

# Thailand



## Survey Findings Report

### Multiple Indicator Cluster Survey 2022



NSO  
National Statistical Office



UNICEF  
United Nations Children's Fund







# Thailand

## Multiple Indicator Cluster Survey 2022

# Survey Findings Report

July 2023



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The Thailand Multiple Indicator Cluster Survey (MICS) was carried out in 2022 by the National Statistical Office of Thailand (NSO) in collaboration with UNICEF, as part of the Global MICS Programme. Technical support was provided by the United Nations Children's Fund (UNICEF), with government funding and financial support of UNICEF.

The Global MICS Programme was developed by UNICEF in the 1990s as an international multi-purpose household survey programme to support countries in collecting internationally comparable data on a wide range of indicators on the situation of children and women. MICS surveys measure key indicators that allow countries to generate data for use in policies, programmes, and national development plans, and to monitor progress towards the Sustainable Development Goals (SDGs) and other internationally agreed upon commitments.

The objective of this report is to facilitate the timely dissemination and use of results from the Thailand MICS 2022. The report contains detailed information on the survey methodology, and all standard MICS tables. The report is accompanied by a series of Statistical Snapshots of the main findings of the survey.

For more information on the Global MICS Programme, please go to [mics.unicef.org](https://mics.unicef.org).

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## PREFACE

The Thailand Multiple Indicator Cluster Survey (MICS) was conducted by the National Statistical Office of Thailand (NSO) with technical support from the United Nations Children’s Fund (UNICEF) to generate and analyse high quality and disaggregate data on the situation of children and women in Thailand. The survey provides one of the most important sources of alternative information to help monitor the progress of achieving the Sustainable Development Goals (SDGs).

NSO conducted its first Multiple Indicator Cluster Survey (2005-06 MICS), which was part of MICS3 programme, between December 2005 and February 2006. The second round, which was part of MICS4 programme, was conducted in 2012. This round of MICS was unique in a way that NSO introduced Computer Assisted Personal Interview (CAPI) method using tablets to collect the data in the field. Data entry software with built-in basic consistency checks was installed on each tablet. Hence, real-time quality control was initiated during the fieldwork and corrective measures were taken immediately. The third round, which was part of MICS5 programme, was conducted in 2015-16. The fourth round, which was part of MICS6 programme, was conducted in 2019. This round of MICS mainly focuses on establishing the baseline for SDGs and to bridge the data gaps.

Based upon the success of the previous rounds of MICS in Thailand, NSO conducted its fifth round of MICS by utilising the previous tools (MICS6 programme). The implementation of the Thailand MICS 2022 is the result of a joint effort by a number of individuals, institutions and organizations. The survey would not have been possible without financial support from the Royal Thai Government and UNICEF.

Our gratitude goes to the Steering and Technical Committees, and UNICEF MICS teams at Country, Regional and Headquarters. We would also like to extend our gratitude to the NSO of Thailand MICS team for their efforts and dedicated work.

Special thanks to the survey field personnel, listers, supervisors and interviewers for their hard work and long hours spent working in the field, sometimes under difficult circumstances.

Most of all, we would like to thank thousands of women and men who generously spared their time and agreed to be interviewed for the survey.



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## SUMMARY OF SURVEY IMPLEMENTATION AND THE SURVEY POPULATION

| THAILAND MICS 2022                 |   |                                      |  |
|------------------------------------|---|--------------------------------------|--|
| Survey sample and implementation   |   |                                      |  |
| <b>Sample frame</b>                | 2022 Household Basic Information Survey (HBIS)                                      | <b>Questionnaires</b>                | Household  |
| ○ Updated                          | October-December 2021   |                                      | Women (age 15-49)<br>Men (age 15-49)<br>Children under five<br>Children age 5-14 |
| <b>Interviewer training</b>        | 1 <sup>st</sup> batch: 9-17 June 2022<br>2 <sup>nd</sup> batch: 30 June-8 July 2022 | <b>Fieldwork</b>                     | June-October 2022  |
| Survey sample                      |   |                                      |  |
| <b>Households</b>                  |   | <b>Children under five</b>           |  |
| ○ Sampled                          | 34,540  | ○ Eligible                           | 10,638   |
| ○ Occupied                         | 31,685  | ○ Mothers/caretakers interviewed     | 10,502   |
| ○ Interviewed                      | 30,008  | ○ Response rate (Per cent)           | 98.7   |
| ○ Response rate (Per cent)         | 94.7  |                                      |  |
| <b>Women (age 15-49)</b>           |   | <b>Children age 5-14<sup>1</sup></b> |  |
| ○ Eligible for interviews          | 21,663  | ○ Number in interviewed households   | 14,588   |
| ○ Interviewed                      | 21,089  | ○ Eligible                           | 10,615   |
| ○ Response rate (Per cent)         | 97.4  | ○ Mothers/caretakers interviewed     | 10,450   |
|                                    |   | ○ Response rate (Per cent)           | 98.4   |
| <b>Men (age 15-49)<sup>2</sup></b> |   |                                      |  |
| ○ Number in interviewed households | 20,069  |                                      |  |
| ○ Eligible for interviews          | 9,844   |                                      |  |
| ○ Interviewed                      | 9,452   |                                      |  |
| ○ Response rate (Per cent)         | 96.0  |                                      |  |

| Survey population  |      |   |      |
|--|------|---|------|
| Average household size   | 2.6  | <b>Percentage of population living in</b> |      |
| <b>Percentage of population under:</b>   |      | ○ Urban areas                             | 54.8 |
| ○ Age 5  | 4.0  | ○ Rural areas                             | 45.2 |
| ○ Age 18   | 18.5 | ○ Bangkok                                 | 16.0 |
| Percentage of women age 15-49 years with at least one live birth in the last 2 years | 5.7  | ○ Central                                 | 31.4 |
|  |      | ○ North                                   | 15.6 |
|  |      | ○ Northeast                               | 24.2 |
|  |      | ○ South                                   | 12.8 |

<sup>1</sup> The Questionnaire for Children Age 5-14 was administered to one randomly selected child in each interviewed household.

<sup>2</sup> The Individual Questionnaire for Men was administered to all men age 15-49 years in every second sampled household.



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## LIST OF ABBREVIATIONS

|                  |  |
|------------------|--|
| <b>AIDS</b>      | Acquired Immune Deficiency Syndrome  |
| <b>ANAR</b>      | Adjusted Net Attendance Rate   |
| <b>ASFR</b>      | Age Specific Fertility Rates   |
| <b>BCG</b>       | Bacillus Calmette-Guérin (Tuberculosis)  |
| <b>C-section</b> | Caesarean Section  |
| <b>CAPI</b>      | Computer-Assisted Personal Interviewing  |
| <b>CBR</b>       | Crude Birth Rate   |
| <b>COVID-19</b>  | Coronavirus Disease  |
| <b>CRC</b>       | Convention on the Rights of the Child  |
| <b>CSPro</b>     | Census and Survey Processing System  |
| <b>DEEP</b>      | Digital Education Excellence Platform  |
| <b>DLTV</b>      | Distance Learning Television   |
| <b>DTP</b>       | Diphtheria, Tetanus and Pertussis  |
| <b>EA</b>        | Enumeration Area   |
| <b>ECD</b>       | Early Child Development  |
| <b>ECDI</b>      | Early Child Development Index  |
| <b>FCT</b>       | Field Check Table  |
| <b>g</b>         | Grams  |
| <b>GAM</b>       | Global AIDS Monitoring   |
| <b>GFR</b>       | General Fertility Rate   |
| <b>GPI</b>       | Gender Parity Index  |
| <b>HBIS</b>      | Household Basic Information Survey   |
| <b>HepB</b>      | Hepatitis B  |
| <b>Hib</b>       | Haemophilus influenzae type B  |
| <b>HIV</b>       | Human Immunodeficiency Virus   |
| <b>HPV</b>       | Human Papillomavirus   |
| <b>ICT</b>       | Information and Communication Technology                                       |
| <b>IPV</b>       | Inactivated Polio Vaccine  |
| <b>IQ</b>        | Intelligence Quotient  |
| <b>ISCED</b>     | International Standard Classification of Education                             |
| <b>IYCF</b>      | Infant and Young Child Feeding   |
| <b>JMP</b>       | WHO/UNICEF Joint Monitoring Programme for Water Supply, Sanitation and Hygiene |
| <b>LAJE</b>      | Live Attenuated Japanese Encephalitis  |
| <b>LBW</b>       | Low Birth Weight   |
| <b>LLECE</b>     | Latin American Laboratory for Assessment of the Quality of Education           |
| <b>LPG</b>       | Liquefied Petroleum Gas  |
| <b>MDG</b>       | Millennium Development Goals   |
| <b>MICS</b>      | Multiple Indicator Cluster Survey  |
| <b>MICS6</b>     | Sixth global round of Multiple Indicator Clusters Surveys programme            |

|                 |   |
|-----------------|---|
| <b>MMR</b>      | Measles, Mumps, and Rubella   |
| <b>MoE</b>      | Ministry of Education   |
| <b>NSO</b>      | National Statistical Office   |
| <b>ORS</b>      | Oral Rehydration Salt Solution  |
| <b>OPV</b>      | Oral Polio Vaccine  |
| <b>PASEC</b>    | Analysis Programme of the CONFEMEN Education Systems                      |
| <b>PISA</b>     | Programme for International Student Assessment                            |
| <b>PNC</b>      | Post-natal Care   |
| <b>PSU</b>      | Primary Sampling Unit   |
| <b>SACMEQ</b>   | Southern and Eastern Africa Consortium for Monitoring Educational Quality |
| <b>SDGs</b>     | Sustainable Development Goals   |
| <b>SEA-PLM</b>  | Southeast Asia Primary Learning Metrics                                   |
| <b>SEP</b>      | Sufficiency Economy Philosophy  |
| <b>SPSS</b>     | Statistical Package for Social Sciences                                   |
| <b>TFR</b>      | Total Fertility Rate  |
| <b>TIMSS</b>    | Trends in International Mathematics and Science Study                     |
| <b>UN</b>       | United Nations  |
| <b>UNESCO</b>   | United Nations Educational, Scientific and Cultural Organization          |
| <b>UNGASS</b>   | United Nations General Assembly Special Session on HIV/AIDS               |
| <b>UNICEF</b>   | United Nations Children’s Fund  |
| <b>WASH</b>     | Water, Sanitation and Hygiene   |
| <b>WHO</b>      | World Health Organization   |
| <b>WHO-MCEE</b> | WHO Maternal Child Epidemiology Estimation                                |

This report is based on the Thailand Multiple Indicator Cluster Survey (MICS), conducted in 2022 by the National Statistical Office (NSO) of Thailand. The survey provides statistically sound and internationally comparable data essential for developing evidence-based policies and programmes, and for monitoring progress toward national goals and global commitments.

### **A Commitment to Action: National and International Reporting Responsibilities**

More than two decades ago, the **Plan of Action for Implementing the World Declaration on the Survival, Protection and Development of Children in the 1990s** called for:

*“Each country should establish appropriate mechanisms for the regular and timely collection, analysis and publication of data required to monitor relevant social indicators relating to the well-being of children ... Indicators of human development should be periodically reviewed by national leaders and decision makers, as is currently done with indicators of economic development...”*

The Multiple Indicator Cluster Surveys programme was developed soon after, in the mid-1990s, to support countries in this endeavour.

Governments that signed the **World Fit for Children Declaration and Plan of Action** also committed themselves to monitoring progress towards the goals and objectives:

*“We will monitor regularly at the national level and, where appropriate, at the regional level and assess progress towards the goals and targets of the present Plan of Action at the national, regional and global levels. Accordingly, we will strengthen our national statistical capacity to collect, analyse and disaggregate data, including by sex, age and other relevant factors that may lead to disparities, and support a wide range of child-focused research” (A World Fit for Children, paragraph 60)*

Similarly, the **Millennium Declaration** (paragraph 31) called for periodic reporting on progress:

*“...We request the General Assembly to review on a regular basis the progress made in implementing the provisions of this Declaration, and ask the Secretary-General to issue periodic reports for consideration by the General Assembly and as a basis for further action.”*

The General Assembly Resolution, adopted on 25 September 2015, **“Transforming Our World: the 2030 Agenda for Sustainable Development”** stipulates that for the success of the universal SDG agenda,

*“quality, accessible, timely and reliable disaggregated data will be needed to help with the measurement of progress and to ensure that no one is left behind” (paragraph 48); recognizes that “...baseline data for several of the targets remains unavailable...” and calls for “...strengthening data collection and capacity building in Member States...”*

Thailand, along with other countries, is committed to contributing to the achievement of the Sustainable Development Goals (SDGs). The country established the National Committee on Sustainable Development, chaired by the Prime Minister, as a main mechanism to oversee, coordinate and follow-up and review the sustainable development policies and their implementation. His Majesty the Late King Bhumibol Adulyadej’s Sufficiency Economy Philosophy (SEP) continues to be a core principle of Thailand’s path toward sustainable development. In 2018, Thailand formally launched the 20-Year National Strategy Framework (2017-2036) as a development framework for the whole of the government to realize the vision of “Thailand as a developed country with security, prosperity and sustainability in accordance with the principle of SEP”. The Strategy covers six areas which include

security, competitiveness enhancement, human capacity development, social equality, eco-friendly growth, as well as rebalancing and improving public sector management.

The Thailand MICS 2022 results are critically important for the purposes of SDG monitoring, as the survey produces information on about 23 global SDG indicators, either in their entirety or partially. Further, the results will be indispensable in monitoring and evaluating the national strategies and plans such as the Early Childhood Development Plan (2021-2027), the National Strategic Plan for Teen Pregnancy Prevention and Solution (2017-2027) and the Five-year National Nutritional Action Plan (2019-2023).

The Thailand MICS 2022 has as its primary objectives:

- To provide high quality data for assessing the situation of children, adolescents, women and households in Thailand;
- To furnish data needed for monitoring progress toward national goals, as a basis for future action;
- To collect disaggregated data for the identification of disparities, to inform policies aimed at social inclusion of the most vulnerable;
- To validate data from other sources and the results of focused interventions;
- To generate data on national and global SDG indicators;
- To generate internationally comparable data for the assessment of the progress made in various areas, and to put additional efforts in those areas that require more attention;
- To generate behavioural and attitudinal data not available in other data sources.

This report presents the results of the Thailand MICS 2022. Following Chapter 2 on survey organization and methodology, including sample design and implementation, all indicators covered by the survey, with their definitions, are presented in Chapter 3 “Indicators and definitions”. Prior to presenting the survey results, organized into thematic chapters, the coverage of the sample and the main characteristics of respondents are covered in Chapter 4, “Sample coverage and characteristics of respondents”. From Chapter 5, all survey results are presented in six thematic chapters. In each chapter, a brief introduction of the topic and a description of all tables, are followed by tabulations.

This is followed by Chapter 5, “Thrive – Reproductive and maternal health”, which presents findings on fertility, early childbearing, contraception, unmet need, antenatal care, neonatal tetanus, delivery care, birthweight, post-natal care, and awareness of HIV.

The following chapter, “Thrive – Child health, nutrition and development” presents findings on immunisation, disease episodes, household energy use, infant and young child feeding, malnutrition, salt iodisation, and early childhood development.

Learning is the topic of the next chapter, where survey findings on early childhood education, educational attendance, paternal involvement in children’s education, and foundational learning skills are covered.

The next chapter, “Protected from violence and exploitation”, includes survey results on birth registration, child discipline, child marriage, victimisation, feelings of safety, and attitudes toward domestic violence.

Chapter 9, “Live In a safe and clean environment”, covers the topics of drinking water, handwashing, and sanitation.

The final thematic chapter is on equity – titled “Equitable chance in life”, the chapter presents findings on a range of equity related topics, including social transfers, and discrimination and harassment.

The report ends with appendices, with detailed information on the sample design, estimates of sampling errors, data quality, and the questionnaires used.

## CHAPTER 2 SURVEY ORGANIZATION AND METHODOLOGY

### 2.1 SAMPLE DESIGN

The sample for the Thailand MICS 2022 was designed to provide estimates for a large number of indicators on the situation of children and women at the national level, for urban and rural areas, and for five regional domains: Bangkok, Central, North, Northeast, and South. In addition, the results are produced for 12 individual priority provinces in a separate report. The urban and rural areas by province were identified as the main sampling strata, and the sample was selected in two stages. Within each stratum, a specified number of 2022 Household Basic Information Survey enumeration areas (EAs) were selected systematically with Probability Proportional to Size (PPS) at the first stage. After a household listing was carried out within the selected enumeration areas, households with and without children under 5 years were identified. A systematic sample of households was selected separately from each group within the sample EA at the second stage. A total of 1,727 sample EAs and 34,540 households were selected at the national level. As the sample is not self-weighting, sample weights are used for reporting survey results. A more detailed description of the sample design can be found in Appendix A: Sample Design.

### 2.2 QUESTIONNAIRES

Five questionnaires were used in the survey:

- 1) a household questionnaire to collect basic demographic information on all *de jure* household members (usual residents), the household, and the dwelling;
- 2) a questionnaire for individual women administered in each household to all women age 15-49 years;
- 3) a questionnaire for individual men administered in every second household to all men age 15-49 years;
- 4) an under-5 questionnaire, administered to mothers (or caretakers) of all children under 5 living in the household; and
- 5) a questionnaire for children age 5-14 years, administered to the mother (or caretaker) of one randomly selected child age 5-14 years living in the household. The questionnaires included the following modules:

| Household Questionnaire  | Questionnaire for Individual Women / Men  | Questionnaire for Children Age 5-14 Years   |
|--|---|---|
| List of Household Members<br>Education<br>Household Characteristics<br>Social Transfers<br>Household Energy Use<br>Water and Sanitation<br>Handwashing | Woman's/Man's Background <sup>[M]</sup><br>Fertility <sup>1,[M]</sup><br>Desire for Last Birth<br>Maternal and Newborn Health<br>Contraception<br>Unmet Need<br>Attitudes Toward Domestic Violence <sup>[M]</sup><br>Victimisation <sup>[M]</sup><br>Marriage/Union <sup>[M]</sup><br>HIV/AIDS <sup>[M]</sup> | Child's Background<br>Child Discipline<br>Parental Involvement<br>Foundational Learning Skills  |
|  |   | Questionnaire for Children Under 5  |
|  |   | Under-Five's Background<br>Birth Registration<br>Early Childhood Development<br>Child Discipline<br>Breastfeeding and Dietary Intake<br>Immunisation<br>Anthropometry |

<sup>[M]</sup> The individual Questionnaire for Men only included those modules indicated.

<sup>1</sup> The birth history module was not included, therefore the childhood mortality estimates are not calculated and included in this report.



In addition to the administration of questionnaires, fieldwork teams observed the place for handwashing, and measured the weights and heights of children age under 5 years. Details and findings of these observations and measurements are provided in the respective sections of the report. Further, the questionnaire for children age 5-14 years included a reading and mathematics assessment administered to children age 7-14 years.

The questionnaires were based on the MICS6 standard questionnaires.<sup>2</sup> From the MICS6 model English version, the questionnaires were customised and translated into Thai and were pre-tested in Pathum Thani province during April 5-7, 2022. Based on the results of the pre-test, modifications were made to the wording and translation of the questionnaires. A copy of the Thailand MICS 2022 questionnaires is provided in Appendix D.

## 2.3 ETHICAL PROTOCOL

Verbal consent was obtained for each respondent participating and, for children age 15-17 years individually interviewed, adult consent was obtained in advance of the child's assent. All respondents were informed of the voluntary nature of participation and the confidentiality and anonymity of information. Additionally, respondents were informed of their right to refuse to answer all or particular questions, as well as to stop the interview at any time.

## 2.4 DATA COLLECTION METHOD

MICS surveys utilise Computer-Assisted Personal Interviewing (CAPI). The data collection application was based on the CSPro (Census and Survey Processing System) software, Version 7.6, including a MICS dedicated data management platform. Procedures and standard programs<sup>3</sup> developed under the global MICS programme were adapted to the Thailand MICS 2022 final questionnaires and used throughout.

## 2.5 TRAINING

A training of trainers on anthropometric measures was conducted in Bangkok on June 6, 2022. This training allowed NSO staff from MICS team to be familiar with the anthropometric measures so they could facilitate the anthropometric session during the two main trainings and also monitor the quality of data collection on anthropometry during fieldwork.

Trainings for the fieldwork were conducted in two batches due to the large number of participants for nine days in Bangkok from June 9-17, 2022 for the first batch and from June 30-July 8, 2022 for the second batch. Twelve priority provinces, Bangkok and other eight provinces were included in the first batch, while staffs from the remaining 56 provinces attended the second. Due to the large number of participants, each batch was split into two groups. Training included lectures on interviewing techniques and the contents of the questionnaires, and mock interviews between trainees to gain practice in asking questions. Participants first completed full training on paper questionnaires, and mock interviews between trainees followed by training on the CAPI application. The training agenda was based on the template MICS6 training agenda while customized to fit the duration and content of Thailand MICS 2022.<sup>4</sup> Moreover, for both batches, experts from the Ministry of Public Health were invited to speak about maternal and newborn health issues such as contraception and antenatal care. The knowledge and information acquired through the training were useful for the interview process and the accuracy of the survey results.

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<sup>2</sup> <http://mics.unicef.org/tools#survey-design>

<sup>3</sup> <http://mics.unicef.org/tools#data-processing>

<sup>4</sup> <http://mics.unicef.org/tools#survey-design>

## 2.6 FIELDWORK

In Bangkok, the fieldwork was carried out under the responsibility of the Field Administration Division, while Provincial Statistical Officers were responsible for the fieldwork undertaken in the other 76 provinces.

The data were collected by 98 teams; each was comprised of two to four interviewers, and a supervisor. In some areas in which non-Thai households are prevalent, the team also had a translator. Fieldwork began in June 2022 and concluded in October 2022.

Data was collected using tablet computers running the Windows 10 operating system, utilising a Bluetooth application for field operations, enabling the transfer of assignments, and completed questionnaires between supervisor and interviewer tablets.

## 2.7 FIELDWORK QUALITY CONTROL MEASURES

Team supervisors were responsible for the daily monitoring of fieldwork. Mandatory re-interviewing was implemented on one household per cluster. Daily observations of interviewer skills and performance was conducted.

During the fieldwork period, field visits were arranged for UNICEF MICS Team members and MICS management team from NSO.

Throughout the fieldwork, field check tables (FCTs) were produced weekly for analysis and action with field teams. The FCTs were customised versions of the standard tables produced by the MICS Programme.<sup>5</sup>

## 2.8 DATA MANAGEMENT, EDITING AND ANALYSIS

Data were received at the National Statistical Office's central office via CSWeb System integrated into the management application on the supervisors' tablets. Whenever logistically possible, synchronisation was done daily. The central office communicated application updates to field teams through this system.

During data collection and following the completion of fieldwork, data were edited according to the editing process described in detail in the Guidelines for Secondary Editing, a customised version of the standard MICS6 documentation.<sup>6</sup>

Data were analysed using the Statistical Package for Social Sciences (SPSS) software, Version 24. Model syntax and tabulation plan developed by UNICEF were customised and used for this purpose.<sup>7</sup>

## 2.9 DATA SHARING

Unique identifiers such as location and names collected during interviews were removed from datasets to ensure privacy. These anonymised data files are made available on National Statistical Office website<sup>8</sup> and on the MICS website<sup>9</sup> and can be downloaded for legitimate research purposes. Users are required to follow stipulations and submit final research to both NSO and UNICEF.

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<sup>5</sup> <http://mics.unicef.org/tools#data-collection>

<sup>6</sup> <http://mics.unicef.org/tools#data-processing>

<sup>7</sup> <http://mics.unicef.org/tools#analysis>

<sup>8</sup> <http://ddi.nso.go.th/index.php/home>

<sup>9</sup> <http://mics.unicef.org/surveys>



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## MICS 2022 Indicators and definitions

| MICS INDICATOR  |  | SDG <sup>1</sup> | Module <sup>2</sup> | Definition <sup>3</sup>   | Value |
|---|--|------------------|---------------------|---|-------|
| <b>SAMPLE COVERAGE AND CHARACTERISTICS OF THE RESPONDENTS</b> |  |                  |                     |   |       |
| SR.1  | Access to electricity                                | 7.1.1            | HC                  | Percentage of household members with access to electricity  | 99.9  |
| SR.2  | Literacy rate<br>(age 15-24 years)                   |                  | WB                  | Percentage of women and men age 15-24 years who are able to read a short simple statement about everyday life or who attended secondary or higher education | 96.8  |
|   |  |                  |                     | Women   | 96.0  |
| SR.5  | Households with a television                         |                  | HC                  | Percentage of households that have a television   | 89.7  |
| SR.S1   | Households with a mobile phone                       |                  | HC                  | Percentage of households that have a mobile phone   | 96.0  |
| SR.7  | Households with a computer                           |                  | HC                  | Percentage of households that have a computer   | 29.0  |
| SR.8  | Households with internet                             |                  | HC                  | Percentage of households that have access to the internet by any device from home   | 82.6  |
| SR.18   | Children's living arrangements                       |                  | HL                  | Percentage of children age 0-17 years living with neither biological parent   | 24.6  |
| SR.19   | Prevalence of children with one or both parents dead |                  | HL                  | Percentage of children age 0-17 years with one or both biological parents dead  | 3.6   |
| SR.20   | Children with at least one parent living abroad      |                  | HL                  | Percentage of children age 0-17 years with at least one biological parent living abroad   | 1.9   |
| SR.S2   | Grandparent as a primary caregiver                   |                  | HL                  | Percentage of children age 0-17 years not living with mother whose primary caregiver is the grandparent   | 70.6  |

<sup>1</sup> Sustainable Development Goal (SDG) Indicators, <http://unstats.un.org/sdgs/indicators/indicators-list/>. The Inter-agency Working Group on SDG Indicators is continuously updating the metadata of many SDG indicators and changes are being made to the list of SDG indicators. MICS covers many SDG indicators with an exact match of their definitions, while some indicators are only partially covered by MICS. The latter cases are included here as long as the current international methodology allows for only the way that the MICS indicator is defined, and/or a significant part of the SDG indicator can be generated by the MICS indicator. For more information on the metadata of the SDG indicators, see <http://unstats.un.org/sdgs/metadata/>.

<sup>2</sup> Some indicators are constructed by using questions in several modules in the MICS questionnaires. In such cases, only the module(s) which contains most of the necessary information is indicated.

<sup>3</sup> All MICS indicators are or can be disaggregated, where relevant, by wealth quintiles, sex, age, language, migratory status and geographic location (as per the reporting domains), or other characteristics, as recommended by the Inter-agency Expert Group on SDG Indicators: <http://unstats.un.org/sdgs/indicators/Official%20List%20of%20Proposed%20SDG%20Indicators.pdf>

| MICS INDICATOR                                   |   | SDG <sup>1</sup> | Module <sup>2</sup> | Definition <sup>3</sup>   | Value                        |
|--|---|------------------|---------------------|---|------------------------------|
| <b>THRIVE - REPRODUCTIVE AND MATERNAL HEALTH</b> |   |                  |                     |   |                              |
| TM.1   | Adolescent birth rate   | 3.7.2            | CM                  | Age-specific fertility rate for women age 15-19 years   | 18                           |
| TM.S1  | Ever gotten pregnant  |                  | CM                  | Percentage of women age 15-49 years who have ever gotten pregnant   | 55.7                         |
| TM.2   | Early childbearing  |                  | CM                  | Percentage of women age 20-24 years who have had a live birth before age 18   | 6.8                          |
| TM.3   | Contraceptive prevalence rate   |                  | CP                  | Percentage of women age 15-49 years currently married or in union who are using (or whose partner is using) a (modern or traditional) contraceptive method  | 73.0                         |
| TM.S2  | Source of modern contraceptive  |                  | CP                  | Percentage of women age 15-49 years who are using (or whose partner is using) a modern contraceptive received from a public medical facility.   | 52.0                         |
| TM.S3  | Unmet need for family planning  |                  | UN                  | Percentage of women age 15-49 years currently married or in union with unmet need for family planning   | 8.9                          |
| TM.4   | Need for family planning satisfied with modern contraception <sup>4</sup> | 3.7.1 & 3.8.1    | UN                  | Percentage of women age 15-49 years currently married or in union who have their need for family planning satisfied with modern contraceptive methods   | 86.5                         |
| TM.S4  | Cause of failure to prevent pregnancy                                     |                  | DB                  | Percentage of women age 15-49 years with a live birth in the last 2 years who did not wish to have last child and reported personal cause of failure to prevent pregnancy   | 97.7                         |
| TM.5a<br>TM.5b<br>TM.S5<br>TM.5c                 | Antenatal care coverage   | 3.8.1            | MN                  | Percentage of women age 15-49 years with a live birth in the last 2 years who during the pregnancy of the most recent live birth were attended<br>(a) at least once by skilled health personnel<br>(b) at least four times by any provider<br>(c) at least five times by any provider<br>(d) at least eight times by any provider | 98.8<br>88.3<br>85.5<br>60.7 |
| TM.6   | Content of antenatal care   |                  | MN                  | Percentage of women age 15-49 years with a live birth in the last 2 years who during the pregnancy of the most recent live birth, at least once, had blood pressure measured and gave urine and blood samples as part of antenatal care   | 97.8                         |
| TM.S6  | Screening test for thalassemia  |                  | MN                  | Percentage of women age 15-49 years with a live birth in the last 2 years who during the pregnancy of the most recent live birth tested for thalassemia   | 93.3                         |
| TM.7   | Neonatal tetanus protection   |                  | MN                  | Percentage of women age 15-49 years with a live birth in the last 2 years who during the pregnancy of the most recent live birth were given at least two doses of tetanus toxoid containing vaccine or had received the appropriate number of doses with appropriate interval prior <sup>5</sup> to the most recent birth         | 76.0                         |

<sup>4</sup> See Table TM.3.4 for a detailed description

<sup>5</sup> See Table TM.5.1 for a detailed description

| MICS INDICATOR |   | SDG <sup>1</sup> | Module <sup>2</sup> | Definition <sup>3</sup>   | Value        |
|----------------|---|------------------|---------------------|---|--------------|
| TM.8           | Institutional deliveries  |                  | MN                  | Percentage of women age 15-49 years with a live birth in the last 2 years whose most recent live birth was delivered in a health facility   | 99.5         |
| TM.9           | Skilled attendant at delivery                                   | 3.1.2            | MN                  | Percentage of women age 15-49 years with a live birth in the last 2 years whose most recent live birth was attended by skilled health personnel   | 99.6         |
| TM.10          | Caesarean section   |                  | MN                  | Percentage of women age 15-49 years with a live birth in the last 2 years whose most recent live birth was delivered by caesarean section   | 40.9         |
| TM.S7          | Repeated caesarean section                                      |                  | MN                  | Percentage of women age 15-49 years with more than one live birth and had a live birth in the last 2 years whose most recent live birth was delivered by caesarean section who also reported caesarean section in the past.   | 70.3         |
| TM.11          | Infants weighed at birth  |                  | MN                  | Percentage of women age 15-49 years with a live birth in the last 2 years whose most recent live-born child was weighed at birth  | 98.8         |
| TM.S8          | Low birthweight   |                  | MN                  | Percentage of women age 15-49 years with a live birth in the last 2 years with a recorded or recalled birthweight estimated to have weighed below 2,500 grams at birth  | 10.3         |
| TM.15          | Skin-to-skin care   |                  | MN                  | Percentage of women age 15-49 years with a live birth in the last 2 years whose most recent live-born child was placed on the mother's bare chest after birth   | 5.6          |
| TM.29          | Comprehensive knowledge about HIV prevention among young people |                  | HA                  | Percentage of women and men age 15-24 years who correctly identify two ways of preventing the sexual transmission of HIV <sup>6</sup> , who know that a healthy-looking person can be HIV-positive and who reject the two most common misconceptions about HIV transmission<br>Women<br>Men | 52.0<br>52.9 |
| TM.30          | Knowledge of mother-to-child transmission of HIV                |                  | HA                  | Percentage of women and men age 15-49 years who correctly identify all three means <sup>7</sup> of mother-to-child transmission of HIV<br>Women<br>Men  | 61.7<br>53.1 |
| TM.S9          | Sexuality education in school                                   |                  | HA                  | Percentage of women and men age 15-24 years who received sexuality education in school<br>Women<br>Men  | 89.7<br>83.1 |
| TM.S10         | Sexuality education in primary level                            |                  | HA                  | Percentage of women and men age 15-24 years who received sexuality education in primary level<br>Women<br>Men   | 25.1<br>27.9 |

<sup>6</sup> Using condoms and limiting sex to one faithful, uninfected partner

<sup>7</sup> Transmission during pregnancy, during delivery, and by breastfeeding

| MICS INDICATOR   |  | SDG <sup>1</sup> | Module <sup>2</sup> | Definition <sup>3</sup>  | Value        |
|------------------|--|------------------|---------------------|--|--------------|
| TM.S11           | Sources of sexuality information other than school             |                  | HA                  | Percentage of women and men age 15-24 years who studied sexuality education in school and received sexuality information from sources other than school<br>Women<br>Men  | 87.9<br>98.0 |
| TM.31            | Discriminatory attitudes towards people living with HIV        |                  | HA                  | Percentage of women and men age 15-49 years reporting having heard of HIV who report discriminatory attitudes <sup>8</sup> toward people living with HIV<br>Women<br>Men   | 28.4<br>26.7 |
| TM.32            | People who know where to be tested for HIV                     |                  | HA                  | Percentage of women and men age 15-49 years who state knowledge of a place to be tested for HIV<br>Women<br>Men  | 78.5<br>71.4 |
| TM.33            | People who have been tested for HIV and know the results       |                  | HA                  | Percentage of women and men age 15-49 years who report having been tested for HIV in the last 12 months and know their results<br>Women<br>Men   | 3.3<br>2.4   |
| TM.34            | Young people who have been tested for HIV and know the results |                  | HA                  | Percentage of women and men age 15-24 years who have been tested for HIV in the last 12 months and know their results<br>Women<br>Men  | 3.2<br>1.5   |
| TM.35a<br>TM.35b | HIV counselling during antenatal care                          |                  | HA                  | Percentage of women age 15-49 years with a live birth in the last 2 years who received antenatal care at least once by skilled health personnel during the pregnancy of the most recent live birth and during an ANC visit received<br>(a) counselling on HIV <sup>9</sup><br>(b) information or counselling on HIV after receiving the HIV test results | 66.3<br>54.6 |
| TM.36            | HIV testing during antenatal care                              |                  | HA                  | Percentage of women age 15-49 years with a live birth in the last 2 years who received antenatal care at least once by skilled health personnel during the pregnancy of the most recent live birth and during an ANC visit were offered and accepted an HIV test and received test results   | 72.7         |
| TM.S12           | HIV testing during antenatal care (Husband)                    |                  | HA                  | Percentage of women age 15-49 years with a live birth in the last 2 years who received antenatal care at least once during the pregnancy of the most recent live birth and during an ANC visit whose husband was tested for HIV  | 66.1         |

<sup>8</sup> Respondents who answered no to either of the following two questions: 1) Would you buy fresh vegetables from a shopkeeper or vendor if you knew that this person had HIV? 2) Do you think children living with HIV should be able to attend school with children who are HIV negative?

<sup>9</sup> Someone talked with the respondent about all three of the following topics: 1) Babies getting the HIV from their mother, 2) preventing HIV and 3) getting tested for HIV



| MICS INDICATOR  |  | SDG <sup>1</sup> | Module <sup>2</sup> | Definition <sup>3</sup>   | Value        |
|---|--|------------------|---------------------|---|--------------|
| <b>THRIVE - CHILD HEALTH, NUTRITION AND DEVELOPMENT</b> |  |                  |                     |   |              |
| TC.1  | Tuberculosis immunization coverage   |                  | IM                  | Percentage of children age 12-23 months who received BCG containing vaccine at any time before the survey   | 98.4         |
| TC.S1   | Polio immunization coverage  |                  | IM                  | Percentage of children age 12-23 months who received the third dose of Oral Polio Vaccine (OPV3) vaccines at any time before the survey   | 89.3         |
| TC.3  | Diphtheria, tetanus and pertussis (DTP) immunization coverage              | 3.b.1 & 3.8.1    | IM                  | Percentage of children age 12-23 months who received the third dose of DTP containing vaccine (DTP3) at any time before the survey  | 88.7         |
| TC.4  | Hepatitis B immunization coverage  |                  | IM                  | Percentage of children age 12-23 months who received the third dose of Hepatitis B containing vaccine (HepB3) at any time before the survey   | 85.7         |
| TC.8  | Rubella immunization coverage  |                  | IM                  | Percentage of children age 12-23 months who received rubella containing vaccine at any time before the survey   | 92.8         |
| TC.10   | Measles immunization coverage  | 3.b.1            | IM                  | Percentage of children age 12-23 months who received the first measles containing vaccine at any time before the survey   | 92.8         |
| TC.S2   | Encephalitis immunization coverage   |                  | IM                  | Percentage of children age 12-23 months who received the first encephalitis containing vaccine at any time before the survey  | 85.1         |
| TC.11a<br>TC.11b  | Full immunization coverage <sup>10</sup>                                   |                  | IM                  | Percentage of children who at age<br>(a) 12-23 months had received all basic vaccinations at any time before the survey<br>(b) 24-35 months had received all vaccinations recommended in the national immunization schedule | 82.6<br>63.9 |
| TC.15   | Primary reliance on clean fuels and technologies for cooking               |                  | EU                  | Percentage of household members with primary reliance on clean fuels and technologies for cooking (living in households that reported cooking)  | 85.8         |
| TC.17   | Primary reliance on clean fuels and technologies for lighting              |                  | EU                  | Percentage of household members with primary reliance on clean fuels and technologies for lighting (living in households that reported the use of lighting)   | 99.8         |
| TC.18   | Primary reliance on clean fuels and technologies for cooking, and lighting | 7.1.2            | EU                  | Percentage of household members with primary reliance on clean fuels and technologies for cooking and lighting <sup>11</sup>  | 86.3         |

<sup>10</sup> Basic vaccinations include: BCG, 3 doses of polio, 3 doses of DTP, 4 doses of HepB (including HepB at birth) and 1 dose of measles vaccination. All vaccinations include BCG, 4 doses of polio, 4 doses of DTP, 4 doses of HepB (including HepB at birth), 1 dose of measles vaccination and 1 dose of Encephalitis as per the vaccination schedule in Thailand.

<sup>11</sup> Household members living in households that report no cooking, or no lighting are not excluded from the numerator

| MICS INDICATOR   |   | SDG <sup>1</sup> | Module <sup>2</sup> | Definition <sup>3</sup>  | Value        |
|------------------|---|------------------|---------------------|--|--------------|
| TC.30            | Children ever breastfed                           |                  | MN                  | Percentage of most recent live-born children to women with a live birth in the last 2 years who were ever breastfed  | 97.3         |
| TC.31            | Early initiation of breastfeeding                 |                  | MN                  | Percentage of most recent live-born children to women with a live birth in the last 2 years who were put to the breast within one hour of birth  | 29.4         |
| TC.32            | Exclusive breastfeeding under 6 months            |                  | BD                  | Percentage of infants under 6 months of age who are exclusively breastfed <sup>12</sup>  | 28.6         |
| TC.33            | Predominant breastfeeding under 6 months          |                  | BD                  | Percentage of infants under 6 months of age who received breast milk as the predominant source of nourishment <sup>13</sup> during the previous day  | 45.3         |
| TC.34            | Continued breastfeeding at 1 year                 |                  | BD                  | Percentage of children age 12-15 months who received breast milk during the previous day   | 31.3         |
| TC.35            | Continued breastfeeding at 2 years                |                  | BD                  | Percentage of children age 20-23 months who received breast milk during the previous day   | 18.7         |
| TC.36            | Duration of breastfeeding                         |                  | BD                  | The age in months when 50 percent of children age 0-35 months did not receive breast milk during the previous day  | 5.7          |
| TC.37            | Age-appropriate breastfeeding                     |                  | BD                  | Percentage of children age 0-23 months appropriately fed <sup>14</sup> during the previous day   | 28.2         |
| TC.38            | Introduction of solid, semi-solid or soft foods   |                  | BD                  | Percentage of infants age 6-8 months who received solid, semi-solid or soft foods during the previous day  | 87.7         |
| TC.39a<br>TC.39b | Minimum acceptable diet                           |                  | BD                  | Percentage of children age 6–23 months who had at least the minimum dietary diversity and the minimum meal frequency during the previous day<br>(a) breastfed children<br>(b) non-breastfed children | 47.8<br>73.9 |
| TC.40            | Milk feeding frequency for non-breastfed children |                  | BD                  | Percentage of non-breastfed children age 6-23 months who received at least 2 milk feedings during the previous day   | 92.9         |
| TC.41            | Minimum dietary diversity                         |                  | BD                  | Percentage of children age 6–23 months who received foods from 5 or more food groups <sup>15</sup> during the previous day   | 76.7         |

<sup>12</sup> Infants receiving breast milk, and not receiving any other fluids or foods, with the exception of oral rehydration solution, vitamins, mineral supplements and medicines

<sup>13</sup> Infants who receive breast milk and certain fluids (water and water-based drinks, fruit juice, ritual fluids, oral rehydration solution, drops, vitamins, minerals, and medicines), but do not receive anything else (in particular, non-human milk and food-based fluids)

<sup>14</sup> Infants age 0-5 months who are exclusively breastfed, and children age 6-23 months who are breastfed and ate solid, semi-solid or soft foods

<sup>15</sup> The indicator is based on consumption of any amount of food from at least 5 out of the 8 following food groups: 1) breastmilk, 2) grains, roots and tubers, 3) legumes and nuts, 4) dairy products (milk, infant formula, yogurt, cheese), 5) flesh foods (meat, fish, poultry and liver/organ meats), 6) eggs, 7) vitamin-A rich fruits and vegetables, and 8) other fruits and vegetables

| MICS INDICATOR             |   | SDG <sup>1</sup> | Module <sup>2</sup> | Definition <sup>3</sup>   | Value                |
|----------------------------|---|------------------|---------------------|---|----------------------|
| TC.42                      | Minimum meal frequency                          |                  | BD                  | Percentage of children age 6-23 months who received solid, semi-solid and soft foods (plus milk feeds for non-breastfed children) the minimum number of times <sup>16</sup> or more during the previous day       | 81.2                 |
| TC.43                      | Bottle feeding                                  |                  | BD                  | Percentage of children age 0-23 months who were fed with a bottle during the previous day   | 78.6                 |
| TC.44a<br>TC.44b           | Underweight prevalence                          |                  | AN                  | Percentage of children under age 5 who fall below<br>(a) minus two standard deviations (moderate and severe)<br>(b) minus three standard deviations (severe) of the median weight for age of the WHO standard     | 6.7<br>1.8           |
| TC.45a<br>TC.45b           | Stunting prevalence                             | 2.2.1            | AN                  | Percentage of children under age 5 who fall below<br>(a) minus two standard deviations (moderate and severe)<br>(b) minus three standard deviations (severe) of the median height for age of the WHO standard     | 12.5<br>4.9          |
| TC.46a<br>TC.46b           | Wasting prevalence                              | 2.2.2            | AN                  | Percentage of children under age 5 who fall below<br>(a) minus two standard deviations (moderate and severe)<br>(b) minus three standard deviations (severe) of the median weight for height of the WHO standard  | 7.2<br>2.5           |
| TC.47a<br>TC.47b           | Overweight prevalence                           | 2.2.2            | AN                  | Percentage of children under age 5 who are above<br>(a) two standard deviations (moderate and severe)<br>(b) three standard deviations (severe) of the median weight for height of the WHO standard               | 10.9<br>5.2          |
| TC.49a<br>TC.49b<br>TC.49c | Early stimulation and responsive care           |                  | EC                  | Percentage of children age 24-59 months engaged in four or more activities to provide early stimulation and responsive care in the last 3 days with<br>(a) Any adult household member<br>(b) Father<br>(c) Mother | 87.9<br>30.7<br>63.9 |
| TC.50                      | Availability of children's books                |                  | EC                  | Percentage of children under age 5 who have three or more children's books  | 35.9                 |
| TC.51                      | Availability of playthings                      |                  | EC                  | Percentage of children under age 5 who play with two or more types of playthings  | 84.6                 |
| TC.S3                      | Availability of electronic device as playthings |                  | EC                  | Percentage of children under age 5 who play with electronic devices   | 61.9                 |
| TC.S4                      | Playtime with electronic devices                |                  | EC                  | Percentage of children under age 5 who play with electronic devices on average for three hours or more per day  | 13.0                 |
| TC.52                      | Inadequate supervision                          |                  | EC                  | Percentage of children under age 5 left alone or under the supervision of another child younger than 10 years of age for more than one hour at least once in the last week  | 4.7                  |

<sup>16</sup> Breastfeeding children: Solid, semi-solid, or soft foods, two times for infants age 6-8 months, and three times for children 9-23 months; Non-breastfeeding children: Solid, semi-solid, or soft foods, or milk feeds, four times for children age 6-23 months.

| MICS INDICATOR |  | SDG <sup>1</sup> | Module <sup>2</sup> | Definition <sup>3</sup>  | Value |
|----------------|--|------------------|---------------------|--|-------|
| TC.53          | Early child development index (ECDI2030) <sup>17</sup> | 4.2.1            | EC                  | Percentage of children age 24-59 months who are developmentally on track in health, learning and psychosocial well-being | 77.8  |

<sup>17</sup> The ECDI2030 is not comparable with the previous MICS ECDI because of the differences in methodological approaches.

| MICS INDICATOR          |  | SDG <sup>1</sup> | Module <sup>2</sup> | Definition <sup>3</sup>   | Value                |
|-------------------------|--|------------------|---------------------|---|----------------------|
| <b>LEARN</b>            |  |                  |                     |   |                      |
| LN.1                    | Attendance to early childhood education  |                  | UB                  | Percentage of children age 36-59 months who are attending an early childhood education programme  | 74.8                 |
| LN.2                    | Participation rate in organised learning (one year before the official primary entry age) (adjusted) | 4.2.2            | ED                  | Percentage of children in the relevant age group (one year before the official primary school entry age) who are attending an early childhood education programme or primary school   | 87.6                 |
| LN.3                    | School readiness   |                  | ED                  | Percentage of children attending the first grade of primary school who attended early childhood education programme during the previous school year   | 93.6                 |
| LN.4                    | Net intake rate in primary education   |                  | ED                  | Percentage of children of school-entry age who enter the first grade of primary school  | 77.4                 |
| LN.5a<br>LN.5b<br>LN.5c | Net attendance rate (adjusted)   |                  | ED                  | Percentage of children of<br>(a) primary school age currently attending primary or secondary school<br>(b) lower secondary school age currently attending lower secondary school or higher<br>(c) upper secondary school age currently attending upper secondary school or higher | 93.5<br>84.9<br>74.0 |
| LN.6a<br>LN.6b<br>LN.6c | Out-of-school rate   |                  | ED                  | Percentage of children of<br>(a) primary school age who are not attending any level of education<br>(b) lower secondary school age who are not attending any level of education<br>(c) upper secondary school age who are not attending any level of education                    | 4.1<br>5.3<br>15.4   |
| LN.7a<br>LN.7b          | Gross intake ratio to the last grade   |                  | ED                  | Ratio of children attending the last grade for the first time to children at appropriate age to the last grade<br>(a) Primary school<br>(b) Lower secondary school  | 99.0<br>90.7         |
| LN.8a<br>LN.8b<br>LN.8c | Completion rate  | 4.1.2            | ED                  | Percentage of children age 3-5 years above the intended age for the last grade who have completed that grade<br>(a) Primary school<br>(b) Lower secondary school<br>(c) Upper secondary school  | 98.6<br>88.7<br>69.6 |
| LN.9                    | Effective transition rate to lower secondary school  |                  | ED                  | Percentage of children attending the last grade of primary school during the previous school year and not repeating in the current school year who are attending the first grade of lower secondary school in the current school year   | 95.2                 |

| MICS INDICATOR             |  | SDG <sup>1</sup> | Module <sup>2</sup> | Definition <sup>3</sup>  | Value      |
|----------------------------|--|------------------|---------------------|--|------------|
| LN.10a<br>LN.10b           | Over-age for grade   |                  | ED                  | Percentage of children attending school who are at least 2 years above the intended age for grade<br>(a) Primary school<br>(b) Lower secondary school  | 1.4<br>2.4 |
| LN.11a<br>LN.11b<br>LN.11c | Education Parity Indices<br>(a) Gender<br>(b) Wealth<br>(c) Area | 4.5.1            | ED, FL              | <p>Net attendance rate (adjusted) for girls divided by net attendance rate (adjusted) for boys<br/>(a) Organised learning (one year younger than the official primary school entry age) 0.98<br/>(b) Primary school 1.00<br/>(c) Lower secondary school 1.03<br/>(d) Upper secondary school 1.21</p> <p>Net attendance rate (adjusted) for children in the poorest wealth quintile divided by net attendance rate (adjusted) for children in for the richest wealth quintile<br/>(a) Organised learning (one year younger than the official primary school entry age) 0.97<br/>(b) Primary school 0.95<br/>(c) Lower secondary school 0.82<br/>(d) Upper secondary school 0.63</p> <p>Net attendance rate (adjusted) for children in rural areas divided by net attendance rate (adjusted) for children in urban areas<br/>(a) Organised learning (one year younger than the official primary school entry age) 0.97<br/>(b) Primary school 0.98<br/>(c) Lower secondary school 0.98<br/>(d) Upper secondary school 0.99</p> <p>Percentage of girls with foundational learning skills divided by percentage of boys with foundational learning skills<br/>(e) Reading, age 7-14 years 1.09<br/>(f) Numeracy, age 7-14 years 1.04<br/>(g) Reading, age for grade 2/3 1.08<br/>(h) Numeracy, age for grade 2/3 0.92<br/>(i) Reading, attending grade 2/3 1.15<br/>(j) Numeracy, attending grade 2/3 1.07</p> <p>Percentage of children with foundational learning skills in the poorest wealth quintile divided by percentage of children with foundational learning skills in the richest wealth quintile<br/>(e) Reading, age 7-14 years 0.76<br/>(f) Numeracy, age 7-14 years 0.73</p> <p>Percentage of children with foundational learning skills in rural areas divided by percentage of children with foundational learning skills in urban areas<br/>(e) Reading, age 7-14 years 0.93<br/>(f) Numeracy, age 7-14 years 0.93</p> |            |

| MICS INDICATOR |  | SDG <sup>1</sup> | Module <sup>2</sup> | Definition <sup>3</sup>   | Value |
|----------------|--|------------------|---------------------|---|-------|
| LN.12          | Availability of information on children's school performance |                  | PR                  | Percentage of children age 7-14 years attending schools for whom an adult household member received a report card for the child in the last year  | 93.2  |
| LN.13          | Opportunity to participate in school management              |                  | PR                  | Percentage of children age 7-14 years attending schools for whom their school's governing body is open to parental participation  | 78.6  |
| LN.14          | Participation in school management                           |                  | PR                  | Percentage of children age 7-14 years attending school for whom an adult household member attended a school governing body meeting in the last year   | 59.4  |
| LN.15          | Effective participation in school management                 |                  | PR                  | Percentage of children age 7-14 years attending school for whom an adult household member attended a school governing body meeting in the last year in which key education/financial issues were discussed                  | 54.4  |
| LN.16          | Discussion with teachers regarding children's progress       |                  | PR                  | Percentage of children age 7-14 years attending school for whom an adult household member discussed child's progress with teachers in the last year   | 79.4  |
| LN.S1          | Discussion with teachers regarding children's behaviour      |                  | PR                  | Percentage of children age 7-14 years attending school for whom an adult household member discussed child's behaviour with teachers in the last year  | 76.2  |
| LN.S2          | Discussion with teachers regarding learning during COVID-19  |                  | PR                  | Percentage of children age 7-14 years attending school for whom an adult household member discussed on how to organize learning during COVID-19 with teachers in the last year  | 80.4  |
| LN.17          | Contact with school concerning teacher absence               |                  | PR                  | Percentage of children age 7-14 years attending school and unable to attend class due to teacher absence at least once in the last year for whom an adult household member contacted school representatives for this reason | 59.7  |
| LN.18          | Availability of books at home                                |                  | PR                  | Percentage of children age 7-14 years who have three or more books to read at home  | 40.0  |
| LN.19          | Reading habit at home  |                  | FL                  | Percentage of children age 7-14 years who read books or are read to at home   | 90.6  |
| LN.20          | School and home languages                                    |                  | FL                  | Percentage of children age 7-14 years attending school who at home speak the language that teachers use at school   | 95.7  |
| LN.21          | Support with homework  |                  | PR                  | Percentage of children age 7-14 years attending school and having homework who receive help with homework   | 75.4  |

| MICS INDICATOR |  | SDG <sup>1</sup> | Module <sup>2</sup> | Definition <sup>3</sup>  | Value |
|----------------|--|------------------|---------------------|--|-------|
| LN.22a         | Children with foundational reading and numeracy skills | 4.1.1            | FL                  | Percentage of children who successfully completed three foundational reading tasks   | 71.3  |
| LN.22b         |  |                  |                     | (a) Age 7-14   | 47.1  |
| LN.22c         |  |                  |                     | (b) Age for grade 2/3  | 51.5  |
| LN.22d         |  |                  |                     | (c) Attending grade 2/3  |       |
| LN.22e         |  |                  |                     | Percentage of children who successfully completed four foundational numeracy tasks   | 65.0  |
| LN.22f         |  |                  |                     | (d) Age 7-14   | 39.8  |
|                |  |                  |                     | (e) Age for grade 2/3  | 41.8  |
|                |  |                  |                     | (f) Attending grade 2/3  |       |
| LN.S3          | Attended classes remotely during COVID-19 pandemic     |                  | CB                  | Percentage of children age 7-14 who attended classes remotely during COVID-19 pandemic in the last school year                                       | 91.4  |
| LN.S4          | Support for remote learning                            |                  | CB                  | Percentage of children age 7-14 who attended classes remotely during COVID-19 pandemic in the last school year and received help for remote learning | 73.2  |



| MICS INDICATOR                                  |  | SDG <sup>1</sup> | Module <sup>2</sup> | Definition <sup>3</sup>   | Value |
|---|--|------------------|---------------------|---|-------|
| <b>PROTECTED FROM VIOLENCE AND EXPLOITATION</b> |  |                  |                     |   |       |
| PR.1  | Birth registration   | 16.9.1           | BR                  | Percentage of children under age 5 whose births are reported registered with a civil authority  | 99.8  |
| PR.2  | Violent discipline   | 16.2.1           | UCD – FCD           | Percentage of children age 1-14 years who experienced any physical punishment and/or psychological aggression by caregivers in the past one month   | 53.8  |
| PR.4a<br>PR.4b                                  | Child marriage   | 5.3.1            | MA                  | Percentage of women and men age 20-24 years who were first married or in union  |       |
|   |  |                  |                     | Women   |       |
|   |  |                  |                     | (a) before age 15   | 5.5   |
|   |  |                  |                     | (b) before age 18   | 17.0  |
|   |  |                  |                     | Men   |       |
|   |  |                  |                     | (a) before age 15   | 0.6   |
|   |  |                  |                     | (b) before age 18   | 5.8   |
| PR.5  | Young people age 15-19 years currently married or in union |                  | MA                  | Percentage of women and men age 15-19 years who are married or in union   |       |
|   |  |                  |                     | Women   | 7.7   |
|   |  |                  |                     | Men   | 2.7   |
| PR.6  | Polygyny   |                  | MA                  | Percentage of women and men age 15-49 years who are in a polygynous union   |       |
|   |  |                  |                     | Women   | 1.4   |
|   |  |                  |                     | Men   | 1.6   |
| PR.7a<br>PR.7b                                  | Spousal age difference                                     |                  | MA                  | Percentage of women who are married or in union and whose spouse is 10 or more years older,   |       |
|   |  |                  |                     | (a) age 15-19 years   | 6.7   |
|   |  |                  |                     | (b) age 20-24 years   | 9.9   |
| PR.12   | Experience of robbery and assault                          |                  | VT                  | Percentage of women and men age 15-49 years who experienced physical violence of robbery or assault within the last 12 months   |       |
|   |  |                  |                     | Women   | 0.2   |
|   |  |                  |                     | Men   | 0.4   |
| PR.14   | Safety   | 16.1.4           | VT                  | Percentage of women and men age 15-49 years feeling safe walking alone in their neighbourhood after dark  |       |
|   |  |                  |                     | Women   | 76.7  |
|   |  |                  |                     | Men   | 91.0  |
| PR.15   | Attitudes toward domestic violence                         |                  | DV                  | Percentage of women and men age 15-49 years who state that a husband is justified in hitting or beating his wife in at least one of the following circumstances: (1) she goes out without telling him, (2) she neglects the children, (3) she argues with him, (4) she refuses sex with him, (5) she burns the food |       |
|   |  |                  |                     | Women   | 3.5   |
|   |  |                  |                     | Men   | 5.7   |

| MICS INDICATOR                              | SDG <sup>1</sup>      | Module <sup>2</sup> | Definition <sup>3</sup>   | Value |
|---|-----------------------|---------------------|---|-------|
| <b>LIVE IN A SAFE AND CLEAN ENVIRONMENT</b> |                       |                     |   |       |
| WS.1  |                       | WS                  | Percentage of household members using improved sources of drinking water  | 99.7  |
| WS.2  | 1.4.1                 | WS                  | Percentage of household members using improved sources of drinking water either in their dwelling/yard/plot or within 30 minutes round trip collection time                       | 99.6  |
| WS.3  |                       | WS                  | Percentage of household members with a water source that is available when needed   | 99.8  |
| WS.7  | 1.4.1 & 6.2.1         | HW                  | Percentage of household members with a handwashing facility where water and soap or detergent are present   | 92.3  |
| WS.8  |                       | WS                  | Percentage of household members using improved sanitation facilities  | 99.8  |
| WS.9  | 1.4.1 & 3.8.1 & 6.2.1 | WS                  | Percentage of household members using improved sanitation facilities which are not shared   | 98.2  |
| WS.10                                       | 6.2.1                 | WS                  | Percentage of household members in households with improved on-site sanitation facilities from which waste has never been emptied or has been emptied and buried in a covered pit | 36.3  |
| WS.11                                       | 6.2.1                 | WS                  | Percentage of household members using an improved on-site sanitation facility from which a service provider has removed waste for treatment off-site                              | 48.4  |

| MICS INDICATOR                  |   | SDG <sup>1</sup> | Module <sup>2</sup> | Definition <sup>3</sup>   | Value                        |
|---------------------------------|---|------------------|---------------------|---|------------------------------|
| <b>EQUITABLE CHANCE IN LIFE</b> |   |                  |                     |   |                              |
| EQ.2a<br>EQ.2b<br>EQ.2c         | Health insurance coverage   |                  | WB<br>CB<br>UB      | Percentage of women, men and children covered by health insurance<br>(a) women age 15-49<br>men age 15-49<br>(b) children age 5-14<br>(c) children under age 5  | 97.5<br>97.8<br>98.5<br>97.4 |
| EQ.3                            | Population covered by social transfers                                | 1.3.1            | ST                  | Percentage of household members living in households that received any type of social transfers and benefits in the last 3 months   | 71.2                         |
| EQ.4                            | External economic support to the poorest households                   |                  | ST                  | Percentage of households in the two lowest wealth quintiles that received any type of social transfers in the last 3 months   | 66.6                         |
| EQ.5                            | Children in the households that received any type of social transfers |                  | ST                  | Percentage of children under age 18 living in the households that received any type of social transfers in the last 3 months  | 74.2                         |
| EQ.7                            | Discrimination  | 10.3.1 & 16.b.1  | VT                  | Percentage of women and men age 15-49 years having personally felt discriminated against or harassed within the previous 12 months on the basis of a ground of discrimination prohibited under international human rights law<br>Women<br>Men | 10.1<br>11.9                 |

### 4.1 RESULTS OF INTERVIEWS

Table SR.1.1 presents results of the sample implementation, including response rates. Of the 34,540 households selected for the sample, 31,685 were found occupied. Of these, 30,008 were successfully interviewed for a household response rate of 94.7 percent.

In the interviewed households, 21,663 women (age 15-49 years) were identified. Of these, 21,089 were successfully interviewed, yielding a response rate of 97.4 percent within the interviewed households.

The survey also sampled men (age 15-49), but required only a subsample. All men (age 15-49) were identified in every second household. 9,844 men (age 15-49 years) were listed in the household questionnaires. Questionnaires were completed for 9,452 eligible men, which corresponds to a response rate of 96.0 percent within eligible interviewed households.

There were 10,638 children under age five listed in the household questionnaires. Questionnaires were completed for 10,502 of these children, which corresponds to a response rate of 98.7 percent within interviewed households.

A sub-sample of children age 5-14 years<sup>1</sup> was used to administer the questionnaire for children age 5-14. Only one child has been selected randomly in each household interviewed, and there were 14,588 children age 5-14 years listed in the household questionnaires. Of these, 10,615 children were selected, and questionnaires were completed for 10,450, which corresponds to a response rate of 98.4 percent within the interviewed households.

Overall response rates of 92.2, 90.9, 93.5 and 93.2 percent were calculated for the individual interviews of women, men, under-5s, and children age 5-14 years, respectively.

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<sup>1</sup> As the Child Labour and Child Functioning modules (designed for children age 5-17) are not included in this survey the age range for this questionnaire has been customised to include 5-14, rather than 5-17 in the standard MICS6 questionnaires.

**Table SR.1.1: Results of household, women's, men's, under-5's and children age 5-14's interviews**

Number of households, women, men, children under 5, and children age 5-14 by interview results, by area of residence and region, Thailand, 2022

|  | Total  | Area   |        | Region  |         |       |           |       |
|--|--------|--------|--------|---------|---------|-------|-----------|-------|
|  |        | Urban  | Rural  | Bangkok | Central | North | Northeast | South |
| <b>Households</b>                            |        |        |        |         |         |       |           |       |
| Sampled                                      | 34,540 | 19,540 | 15,000 | 4,540   | 5,400   | 5,700 | 9,420     | 9,480 |
| Occupied                                     | 31,685 | 17,623 | 14,062 | 4,106   | 4,794   | 5,152 | 8,779     | 8,854 |
| Interviewed                                  | 30,008 | 16,257 | 13,751 | 3,455   | 4,336   | 5,065 | 8,638     | 8,514 |
| Household completion rate                    | 86.9   | 83.2   | 91.7   | 76.1    | 80.3    | 88.9  | 91.7      | 89.8  |
| Household response rate                      | 94.7   | 92.2   | 97.8   | 84.1    | 90.4    | 98.3  | 98.4      | 96.2  |
| <b>Women age 15-49 years</b>                 |        |        |        |         |         |       |           |       |
| Eligible                                     | 21,663 | 11,499 | 10,164 | 2,385   | 3,296   | 3,365 | 5,742     | 6,875 |
| Interviewed                                  | 21,089 | 11,090 | 9,999  | 2,168   | 3,175   | 3,327 | 5,664     | 6,755 |
| Women's response rate                        | 97.4   | 96.4   | 98.4   | 90.9    | 96.3    | 98.9  | 98.6      | 98.3  |
| Women's overall response rate                | 92.2   | 89.0   | 96.2   | 76.5    | 87.1    | 97.2  | 97.1      | 94.5  |
| <b>Men age 15-49 years<sup>A</sup></b>       |        |        |        |         |         |       |           |       |
| Number of men in interviewed households      | 20,069 | 10,602 | 9,467  | 2,215   | 3,081   | 3,162 | 5,167     | 6,444 |
| Eligible                                     | 9,844  | 5,177  | 4,667  | 1,036   | 1,495   | 1,564 | 2,571     | 3,178 |
| Interviewed                                  | 9,452  | 4,901  | 4,551  | 892     | 1,417   | 1,527 | 2,516     | 3,100 |
| Men's response rate                          | 96.0   | 94.7   | 97.5   | 86.1    | 94.8    | 97.6  | 97.9      | 97.5  |
| Men's overall response rate                  | 90.9   | 87.3   | 95.4   | 72.4    | 85.7    | 96.0  | 96.3      | 93.8  |
| <b>Children under 5 years</b>                |        |        |        |         |         |       |           |       |
| Eligible                                     | 10,638 | 4,775  | 5,863  | 608     | 1,256   | 1,868 | 3,300     | 3,606 |
| Mothers/caretakers interviewed               | 10,502 | 4,693  | 5,809  | 566     | 1,231   | 1,857 | 3,286     | 3,562 |
| Under-5's response rate                      | 98.7   | 98.3   | 99.1   | 93.1    | 98.0    | 99.4  | 99.6      | 98.8  |
| Under-5's overall response rate              | 93.5   | 90.7   | 96.9   | 78.3    | 88.6    | 97.7  | 98.0      | 95.0  |
| <b>Children age 5-14 years<sup>B</sup></b>   |        |        |        |         |         |       |           |       |
| Number of children in interviewed households | 14,588 | 6,715  | 7,873  | 889     | 1,693   | 2,386 | 4,610     | 5,010 |
| Eligible                                     | 10,615 | 4,916  | 5,699  | 670     | 1,281   | 1,815 | 3,476     | 3,373 |
| Mothers/caretakers interviewed               | 10,450 | 4,818  | 5,632  | 625     | 1,258   | 1,796 | 3,440     | 3,331 |
| Children age 5-14's response rate            | 98.4   | 98.0   | 98.8   | 93.3    | 98.2    | 99.0  | 99.0      | 98.8  |
| Children age 5-14's overall response rate    | 93.2   | 90.4   | 96.6   | 78.5    | 88.8    | 97.3  | 97.4      | 95.0  |

<sup>A</sup> The Individual Questionnaire for Men was administered to all men age 15-49 years in every second sample household.<sup>B</sup> The Questionnaire for Children Age 5-14 was administered to one randomly selected child in each interviewed household.

## 4.2 HOUSING AND HOUSEHOLD CHARACTERISTICS

Tables SR.2.1, SR.2.2 and SR.2.3 provide further details on household level characteristics obtained in the Household Questionnaire. Most of the information collected on these housing characteristics have been used in the construction of the wealth index.

Table SR.2.1 presents characteristics of housing, disaggregated by area and region, distributed by whether the dwelling has electricity, energy used for cooking, internet access, the main materials of the flooring, roof, and exterior walls, as well as the number of rooms used for sleeping.

In Table SR.2.2 households are distributed according to ownership of assets by households and by individual household members. This also includes ownership of dwelling.

Table SR.2.3 shows how the household populations in areas and regions are distributed according to household wealth quintiles.

**Table SR.2.1: Housing characteristics**

Percent distribution of households by selected housing characteristics, by area of residence and region, Thailand, 2022

|  | Total        | Area         |              | Region       |              |              |              |              |
|--|--------------|--------------|--------------|--------------|--------------|--------------|--------------|--------------|
|  |              | Urban        | Rural        | Bangkok      | Central      | North        | Northeast    | South        |
| <b>Total</b>   | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> | <b>100.0</b> |
| <b>Electricity</b>   |              |              |              |              |              |              |              |              |
| Yes, interconnected grid   | 99.6         | 99.6         | 99.6         | 99.9         | 99.6         | 99.1         | 99.8         | 99.5         |
| Yes, off-grid  | 0.3          | 0.3          | 0.3          | 0.1          | 0.4          | 0.6          | 0.2          | 0.4          |
| No   | 0.1          | 0.1          | 0.1          | 0.0          | 0.0          | 0.3          | 0.0          | 0.1          |
| <b>Energy use for cooking<sup>A</sup></b>  |              |              |              |              |              |              |              |              |
| Clean fuels and technologies   | 79.2         | 81.6         | 76.2         | 78.4         | 89.4         | 75.2         | 62.4         | 91.4         |
| Other fuels  | 12.8         | 6.2          | 20.8         | 0.5          | 2.2          | 21.2         | 35.2         | 1.8          |
| No cooking done in the household   | 8.0          | 12.2         | 3.0          | 21.1         | 8.4          | 3.5          | 2.4          | 6.8          |
| <b>Internet access at home<sup>B</sup></b>   |              |              |              |              |              |              |              |              |
| Yes  | 82.6         | 86.5         | 77.8         | 93.8         | 87.7         | 74.7         | 74.6         | 80.9         |
| No   | 17.2         | 13.3         | 22.0         | 6.1          | 12.2         | 24.8         | 25.3         | 18.9         |
| DK/Missing   | 0.2          | 0.2          | 0.1          | 0.1          | 0.1          | 0.5          | 0.1          | 0.2          |
| <b>Main material of flooring<sup>C</sup></b>   |              |              |              |              |              |              |              |              |
| Natural floor  | 0.4          | 0.2          | 0.7          | 0.1          | 0.4          | 0.2          | 1.0          | 0.1          |
| Rudimentary floor  | 10.5         | 7.0          | 14.7         | 5.7          | 10.2         | 22.5         | 7.7          | 7.6          |
| Finished floor   | 89.1         | 92.8         | 84.6         | 94.2         | 89.3         | 77.3         | 91.2         | 92.3         |
| <b>Main material of roof<sup>C</sup></b>   |              |              |              |              |              |              |              |              |
| Natural roofing  | 0.1          | 0.0          | 0.2          | 0.0          | 0.0          | 0.3          | 0.1          | 0.0          |
| Rudimentary roofing  | 0.4          | 0.4          | 0.4          | 0.5          | 0.4          | 0.2          | 0.4          | 0.3          |
| Finished roofing   | 99.5         | 99.6         | 99.4         | 99.5         | 99.6         | 99.5         | 99.5         | 99.7         |
| <b>Main material of exterior walls<sup>C</sup></b>   |              |              |              |              |              |              |              |              |
| Natural walls  | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          | 0.0          |
| Rudimentary walls  | 1.4          | 1.1          | 1.6          | 1.1          | 1.1          | 2.3          | 1.0          | 1.7          |
| Finished walls   | 98.6         | 98.9         | 98.3         | 98.9         | 98.9         | 97.7         | 98.9         | 98.3         |
| <b>Rooms used for sleeping</b>   |              |              |              |              |              |              |              |              |
| 1  | 47.4         | 52.8         | 40.9         | 62.1         | 51.2         | 42.0         | 36.9         | 46.1         |
| 2  | 35.8         | 31.9         | 40.5         | 25.2         | 33.1         | 39.0         | 42.3         | 39.6         |
| 3 or more  | 16.8         | 15.3         | 18.6         | 12.7         | 15.7         | 19.0         | 20.8         | 14.3         |
| Number of households   | 30,008       | 16,455       | 13,553       | 4,793        | 9,418        | 4,693        | 7,269        | 3,835        |
| <b>Mean number of persons per room used for sleeping</b>                                       | <b>1.59</b>  | <b>1.52</b>  | <b>1.67</b>  | <b>1.52</b>  | <b>1.59</b>  | <b>1.54</b>  | <b>1.59</b>  | <b>1.71</b>  |
| <b>Percentage of household members with access to electricity in the household<sup>1</sup></b> | <b>99.9</b>  | <b>100.0</b> | <b>99.9</b>  | <b>100.0</b> | <b>100.0</b> | <b>99.7</b>  | <b>100.0</b> | <b>99.9</b>  |
| Number of household members  | 79,511       | 40,204       | 39,307       | 10,855       | 24,408       | 12,504       | 20,982       | 10,763       |

<sup>1</sup> MICS indicator SR.1 - Access to electricity; SDG Indicator 7.1.1

<sup>A</sup> Calculated for households. For percentage of household members living in households using clean fuels and technologies for cooking, please refer to Table TC.2.1

<sup>B</sup> See Table SR.8.1 for details and indicators on ICT devices in households

<sup>C</sup> Please refer Household Questionnaire in Appendix E, questions HC4, HC5 and HC6 for definitions of natural, rudimentary, finished and other

**Table SR.2.2: Household and personal assets**

Percentage of households by ownership of selected household and personal assets, and percent distribution by ownership of dwelling, by area of residence and region, Thailand, 2022

|   | Total         | Area          |               | Region       |              |              |              |              |
|---|---------------|---------------|---------------|--------------|--------------|--------------|--------------|--------------|
|   |               | Urban         | Rural         | Bangkok      | Central      | North        | Northeast    | South        |
| <b>Percentage of households that own a</b>                              |               |               |               |              |              |              |              |              |
| Television  | 89.7          | 88.5          | 91.2          | 85.7         | 90.4         | 91.0         | 93.4         | 84.7         |
| Plain monitor   | 26.4          | 19.3          | 34.9          | 10.2         | 20.0         | 37.1         | 40.3         | 22.7         |
| LCD/LED/Plasma monitor  | 69.1          | 74.3          | 62.9          | 78.4         | 76.2         | 62.8         | 59.3         | 66.5         |
| Refrigerator  | 92.5          | 91.3          | 94.0          | 86.8         | 92.8         | 94.5         | 94.9         | 92.0         |
| One-door  | 59.2          | 54.7          | 64.7          | 45.7         | 51.6         | 66.7         | 73.4         | 59.0         |
| Two-door  | 36.3          | 39.4          | 32.7          | 43.2         | 44.4         | 32.1         | 24.4         | 35.9         |
| Multi-door  | 1.4           | 1.6           | 1.2           | 2.0          | 1.8          | 0.9          | 1.1          | 0.9          |
| Washing machine   | 72.6          | 68.7          | 77.3          | 57.8         | 71.6         | 83.0         | 77.0         | 72.4         |
| Top load  | 69.2          | 64.0          | 75.6          | 52.0         | 66.9         | 80.6         | 76.0         | 69.7         |
| Front load  | 4.7           | 6.2           | 3.0           | 7.3          | 6.0          | 3.5          | 2.0          | 4.9          |
| Clothes dryer   | 3.1           | 3.3           | 2.8           | 2.5          | 1.6          | 2.1          | 1.9          | 10.7         |
| Air conditioner   | 40.0          | 49.2          | 28.8          | 55.4         | 50.7         | 35.9         | 26.5         | 25.1         |
| Air purifier  | 5.6           | 7.8           | 3.0           | 9.3          | 6.6          | 7.7          | 1.6          | 3.9          |
| Microwave oven  | 31.7          | 39.3          | 22.4          | 45.7         | 38.5         | 31.2         | 20.1         | 19.9         |
| Water heater  | 30.0          | 34.0          | 25.2          | 28.2         | 28.6         | 48.7         | 31.2         | 10.8         |
| Electric water pump   | 26.8          | 27.5          | 26.0          | 24.3         | 30.0         | 26.1         | 22.9         | 30.6         |
| Air fryer / Convection oven   | 13.3          | 15.9          | 10.2          | 14.4         | 14.3         | 15.0         | 10.7         | 12.5         |
| <b>Percentage of households that own</b>                                |               |               |               |              |              |              |              |              |
| Agricultural land   | 34.0          | 18.5          | 52.6          | 5.7          | 18.3         | 45.1         | 62.5         | 39.9         |
| Farm animals/Livestock  | 14.5          | 6.3           | 24.4          | 0.2          | 5.3          | 21.7         | 31.9         | 13.1         |
| <b>Percentage of households where at least one member owns or has a</b> |               |               |               |              |              |              |              |              |
| Wristwatch  | 63.2          | 69.8          | 55.1          | 74.7         | 72.3         | 54.9         | 50.0         | 61.5         |
| Bicycle   | 45.1          | 39.7          | 51.7          | 23.7         | 40.9         | 56.0         | 62.0         | 36.8         |
| Motorcycle or scooter   | 78.8          | 72.1          | 86.8          | 48.9         | 77.8         | 89.0         | 88.5         | 87.5         |
| Car, truck, or van  | 49.5          | 49.5          | 49.4          | 42.8         | 55.1         | 50.5         | 47.7         | 45.8         |
| Boat with a motor   | 0.8           | 0.7           | 1.0           | 0.6          | 0.8          | 0.6          | 0.8          | 1.6          |
| Two-wheel tractor   | 8.6           | 4.3           | 13.7          | 0.3          | 2.5          | 15.4         | 21.0         | 2.1          |
| Four-wheel tractor  | 3.2           | 1.5           | 5.2           | 0.1          | 1.7          | 5.9          | 6.2          | 1.5          |
| Large Motorcycle (Big bike)   | 1.2           | 1.3           | 1.1           | 0.6          | 1.6          | 0.8          | 1.4          | 1.3          |
| Computer or tablet <sup>A</sup>   | 29.0          | 35.3          | 21.4          | 39.0         | 34.7         | 27.6         | 19.7         | 21.7         |
| Mobile telephone <sup>A</sup>   | 96.0          | 97.1          | 94.5          | 98.8         | 97.0         | 94.3         | 94.5         | 94.6         |
| Smartphone  | 90.7          | 93.6          | 87.2          | 97.0         | 93.0         | 87.2         | 86.7         | 89.4         |
| Keypad  | 13.2          | 9.2           | 18.0          | 4.0          | 12.1         | 17.8         | 18.3         | 12.0         |
| Bank account  | 96.4          | 96.2          | 96.6          | 97.4         | 96.1         | 95.2         | 97.7         | 94.7         |
| Credit card   | 23.5          | 29.5          | 16.2          | 33.9         | 30.3         | 16.6         | 15.6         | 17.3         |
| <b>Ownership of dwelling</b>  |               |               |               |              |              |              |              |              |
| Owned by a household member   | 70.7          | 57.3          | 86.9          | 37.3         | 60.7         | 87.4         | 91.5         | 76.7         |
| Not owned   | 29.3          | 42.7          | 13.1          | 62.7         | 39.3         | 12.6         | 8.5          | 23.3         |
| Rented  | 20.2          | 31.5          | 6.5           | 48.3         | 27.2         | 6.2          | 4.3          | 15.5         |
| Other   | 9.1           | 11.2          | 6.6           | 14.4         | 12.1         | 6.4          | 4.2          | 7.8          |
| <b>Number of households</b>   | <b>30,008</b> | <b>16,455</b> | <b>13,553</b> | <b>4,793</b> | <b>9,418</b> | <b>4,693</b> | <b>7,269</b> | <b>3,835</b> |

<sup>A</sup> See Table SR.8.1 for details and indicators on ICT devices in households

**Table SR.2.3: Wealth quintiles**

Percent distribution of the household population by wealth index quintile, Thailand, 2022

|               | Wealth index quintile |             |             |             |             | Total        | Number of household members |
|---------------|-----------------------|-------------|-------------|-------------|-------------|--------------|-----------------------------|
|               | Poorest               | Second      | Middle      | Fourth      | Richest     |              |                             |
| <b>Total</b>  | <b>20.0</b>           | <b>20.0</b> | <b>20.0</b> | <b>20.0</b> | <b>20.0</b> | <b>100.0</b> | <b>79,511</b>               |
| <b>Area</b>   |                       |             |             |             |             |              |                             |
| Urban         | 13.3                  | 18.0        | 19.4        | 22.3        | 27.0        | 100.0        | 40,204                      |
| Rural         | 26.9                  | 22.1        | 20.6        | 17.7        | 12.8        | 100.0        | 39,307                      |
| <b>Region</b> |                       |             |             |             |             |              |                             |
| Bangkok       | 6.7                   | 17.8        | 20.5        | 24.5        | 30.5        | 100.0        | 10,855                      |
| Central       | 12.6                  | 16.7        | 17.7        | 23.8        | 29.1        | 100.0        | 24,408                      |
| North         | 24.3                  | 19.7        | 21.7        | 17.5        | 16.8        | 100.0        | 12,504                      |
| Northeast     | 35.2                  | 22.6        | 17.8        | 14.8        | 9.7         | 100.0        | 20,982                      |
| South         | 15.5                  | 24.9        | 27.0        | 19.9        | 12.7        | 100.0        | 10,763                      |

### 4.3 HOUSEHOLD COMPOSITION

Table SR.3.1 provides the distribution of households by selected background characteristics, including the sex of the household head, region, area, number of household members, education of household head, and native language of the household head<sup>2</sup>. Both unweighted and weighted numbers are presented. Such information is essential for the interpretation of findings presented later in the report and provide background information on the representativeness of the survey sample. The remaining tables in this report are presented only with weighted numbers.<sup>3</sup>

The presented background characteristics are used in subsequent tables in this report; the figures in the table are also intended to show the numbers of observations by major categories of analysis in the report.

The weighted and unweighted total number of households are equal, since sample weights were normalized.<sup>3</sup> The table also shows the weighted mean household size estimated by the survey.

<sup>2</sup> This was determined by asking “What is the native language of the head of this household?”.

<sup>3</sup> See Appendix A: Sample design, for more details on sample weights.



**Table SR.3.1: Household composition**

Percent and frequency distribution of households, Thailand, 2022

|  | Weighted percent | Number of households |               |
|--|------------------|----------------------|---------------|
|  |                  | Weighted             | Unweighted    |
| <b>Total</b>                             | <b>100.0</b>     | <b>30,008</b>        | <b>30,008</b> |
| <b>Sex of household head</b>             |                  |                      |               |
| Male                                     | 56.8             | 17,044               | 17,189        |
| Female                                   | 43.2             | 12,964               | 12,819        |
| <b>Age of household head</b>             |                  |                      |               |
| <18                                      | 0.1              | 39                   | 60            |
| 18-34                                    | 12.4             | 3,714                | 3,968         |
| 35-64                                    | 61.1             | 18,341               | 18,798        |
| 65-84                                    | 24.3             | 7,299                | 6,696         |
| 85+                                      | 2.1              | 615                  | 486           |
| <b>Area</b>                              |                  |                      |               |
| Urban                                    | 54.8             | 16,455               | 16,257        |
| Rural                                    | 45.2             | 13,553               | 13,751        |
| <b>Region</b>                            |                  |                      |               |
| Bangkok                                  | 16.0             | 4,793                | 3,455         |
| Central                                  | 31.4             | 9,418                | 4,336         |
| North                                    | 15.6             | 4,693                | 5,065         |
| Northeast                                | 24.2             | 7,269                | 8,638         |
| South                                    | 12.8             | 3,835                | 8,514         |
| <b>Education of household head</b>       |                  |                      |               |
| Pre-primary or none                      | 4.3              | 1,293                | 1,797         |
| Primary                                  | 49.0             | 14,703               | 15,004        |
| Lower secondary                          | 11.9             | 3,560                | 3,386         |
| Upper secondary                          | 13.9             | 4,172                | 4,060         |
| Higher                                   | 20.5             | 6,155                | 5,670         |
| DK/Missing                               | 0.4              | 125                  | 91            |
| <b>Number of household members</b>       |                  |                      |               |
| 1  | 25.7             | 7,707                | 5,390         |
| 2  | 29.3             | 8,797                | 6,122         |
| 3  | 20.4             | 6,107                | 5,866         |
| 4  | 12.7             | 3,824                | 5,304         |
| 5  | 6.4              | 1,918                | 3,585         |
| 6  | 3.4              | 1,034                | 2,082         |
| 7+                                       | 2.1              | 622                  | 1,659         |
| <b>Native language of household head</b> |                  |                      |               |
| Thai                                     | 94.6             | 28,373               | 26,693        |
| Non-Thai                                 | 5.4              | 1,635                | 3,315         |
| <b>Households with <sup>A</sup></b>      |                  |                      |               |
| At least one child under age 5 years     | 9.4              | 2,824                | 9,263         |
| At least one child age 5-14 years        | 22.6             | 6,786                | 10,615        |
| At least one child age <18 years         | 32.4             | 9,737                | 16,288        |
| At least one woman age 15-49 years       | 47.7             | 14,310               | 17,573        |
| At least one man age 15-49 years         | 47.6             | 14,298               | 16,443        |
| No member age <50                        | 29.3             | 8,794                | 6,189         |
| No adult (18+) member                    | 0.1              | 37                   | 53            |
| <b>Mean household size</b>               | <b>2.6</b>       | <b>30,008</b>        | <b>30,008</b> |

<sup>A</sup> Each proportion is a separate characteristic based on the total number of households.

#### 4.4 AGE STRUCTURE OF HOUSEHOLD POPULATION

The weighted age and sex distribution of the survey population is provided in Table SR.4.1. In the households successfully interviewed in the survey, a weighted total of 79,511 household members were listed. Of these, 38,133 were males, and 41,378 were females.<sup>4</sup>

| <b>Table SR.4.1: Age distribution of household population by sex</b>  |               |              |                |              |               |              |
|---|---------------|--------------|----------------|--------------|---------------|--------------|
| Percent and frequency distribution of the household population <sup>a</sup> in five-year age groups and child (age 0-17 years) and adult populations (age 18 or more), by sex, Thailand, 2022 |               |              |                |              |               |              |
|   | <b>Males</b>  |              | <b>Females</b> |              | <b>Total</b>  |              |
|   | Number        | Percent      | Number         | Percent      | Number        | Percent      |
| <b>Total</b>  | <b>38,133</b> | <b>100.0</b> | <b>41,378</b>  | <b>100.0</b> | <b>79,511</b> | <b>100.0</b> |
| <b>Age</b>  |               |              |                |              |               |              |
| 0-4   | 1,699         | 4.5          | 1,469          | 3.5          | 3,167         | 4.0          |
| 5-9   | 2,157         | 5.7          | 2,040          | 4.9          | 4,197         | 5.3          |
| 10-14   | 2,351         | 6.2          | 2,246          | 5.4          | 4,596         | 5.8          |
| 15-19   | 2,224         | 5.8          | 2,015          | 4.9          | 4,239         | 5.3          |
| 15-17   | 1,411         | 3.7          | 1,311          | 3.2          | 2,723         | 3.4          |
| 18-19   | 813           | 2.1          | 704            | 1.7          | 1,516         | 1.9          |
| 20-24   | 2,062         | 5.4          | 1,771          | 4.3          | 3,833         | 4.8          |
| 25-29   | 2,295         | 6.0          | 2,506          | 6.1          | 4,801         | 6.0          |
| 30-34   | 2,581         | 6.8          | 2,441          | 5.9          | 5,022         | 6.3          |
| 35-39   | 2,551         | 6.7          | 2,553          | 6.2          | 5,104         | 6.4          |
| 40-44   | 2,567         | 6.7          | 2,816          | 6.8          | 5,383         | 6.8          |
| 45-49   | 2,830         | 7.4          | 3,065          | 7.4          | 5,895         | 7.4          |
| 50-54   | 3,389         | 8.9          | 4,203          | 10.2         | 7,592         | 9.5          |
| 55-59   | 3,280         | 8.6          | 3,836          | 9.3          | 7,116         | 8.9          |
| 60-64   | 2,697         | 7.1          | 3,128          | 7.6          | 5,825         | 7.3          |
| 65-69   | 2,113         | 5.5          | 2,620          | 6.3          | 4,733         | 6.0          |
| 70-74   | 1,532         | 4.0          | 1,906          | 4.6          | 3,439         | 4.3          |
| 75-79   | 874           | 2.3          | 1,228          | 3.0          | 2,102         | 2.6          |
| 80-84   | 549           | 1.4          | 811            | 2.0          | 1,361         | 1.7          |
| 85+   | 383           | 1.0          | 723            | 1.7          | 1,106         | 1.4          |
| <b>Child and adult populations</b>  |               |              |                |              |               |              |
| Children age 0-17 years   | 7,617         | 20.0         | 7,066          | 17.1         | 14,683        | 18.5         |
| Adults age 18+ years  | 30,516        | 80.0         | 34,312         | 82.9         | 64,828        | 81.5         |

<sup>a</sup> As this table includes all household members listed in interviewed households, the numbers and distributions by sex do not match those found for individuals in tables SR.5.1W/M, SR.5.2 and SR.5.3. These tables describe the interviewed individuals and are weighted with individual sample weights.

<sup>4</sup> The single year age distribution is provided in Table DQ.1.1 in Appendix C: Data quality.

## 4.5 RESPONDENTS' BACKGROUND CHARACTERISTICS

Tables SR.5.1W, SR.5.1M, SR.5.2, and SR.5.3 provide information on the background characteristics of female and male respondents 15-49 years of age, children under age 5 and children age 5-14 years. In all these tables, the total numbers of weighted and unweighted observations are equal, since sample weights have been normalized (standardized).<sup>3</sup> Note that in Table SR.5.3, an additional column is presented (Weighted total number of children age 5-14 years) to account for the random selection of one child in households with at least one child age 5-14 years. The final weight of each child is the weight of the household multiplied by the number of children age 5-14 years in the household.

In addition to providing useful information on the background characteristics of women, men, children age 5-14, and children under age five, the tables are also intended to show the number of observations in each background category. These categories are used in the subsequent tabulations of this report.

Tables SR.5.1W and SR.5.1M provide background characteristics of female and male respondents, age 15-49 years. The tables include information on the distribution of women and men according to area, region, age, education<sup>5</sup>, marital/union status, motherhood/fatherhood status, health insurance, language of the household head<sup>6</sup>, and wealth index quintiles.<sup>7,8</sup>

Background characteristics of children under age 5 and age 5-14 are presented in Tables SR.5.2 and SR.5.3. These include the distribution of children by several attributes: sex, area, region, age in months, mother's (or caretaker's) education, respondent type, health insurance, language of the household head and wealth index quintiles.

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<sup>5</sup> Throughout this report when used as a background variable, unless otherwise stated, "education" refers to highest educational level ever attended by the respondent.

<sup>6</sup> This was determined by asking "What is the mother tongue/native language of the head of this household?"

<sup>7</sup> The wealth index is a composite indicator of wealth. To construct the wealth index, principal components analysis is performed by using information on the ownership of consumer goods, dwelling characteristics, water and sanitation, and other characteristics that are related to the household's wealth, to generate weights (factor scores) for each of the items used. First, initial factor scores are calculated for the total sample. Then, separate factor scores are calculated for households in urban and rural areas. Finally, the urban and rural factor scores are regressed on the initial factor scores to obtain the combined, final factor scores for the total sample. This is carried out to minimize the urban bias in the wealth index values. Each household in the total sample is then assigned a wealth score based on the assets owned by that household and on the final factor scores obtained as described above. The survey household population is then ranked according to the wealth score of the household they are living in and is finally divided into 5 equal parts (quintiles) from lowest (poorest) to highest (richest). In Thailand MICS 2022, the following assets were used in these calculations: household characteristics (main material of the dwelling floor, roof and exterior walls), items of furniture and other items that do not run on electricity, access to electricity, household appliances, personal items, ICT devices and access to internet, ownership of agricultural land, ownership of livestock, bank account, credit card account, type of cookstove, place for cooking, source of light, main source of drinking water, location of water source, sufficient water, type of sanitation facility, hand washing, number of persons per sleeping room and number of servants. The wealth index is assumed to capture the underlying long-term wealth through information on the household assets and is intended to produce a ranking of households by wealth, from poorest to richest. The wealth index does not provide information on absolute poverty, current income or expenditure levels. The wealth scores calculated are applicable for only the particular data set they are based on. Further information on the construction of the wealth index can be found in:

Filmer, D., and L. Pritchett. "Estimating Wealth Effects without Expenditure Data — or Tears: An Application to Educational Enrollments in States of India\*." *Demography* 38, no. 1 (2001): 115-32. doi:10.1353/dem.2001.0003.;

Rutstein, S., and K. Johnson. *The DHS Wealth Index*. DHS Comparative Reports No. 6. Calverton: ORC Macro, 2004. <https://dhsprogram.com/pubs/pdf/CR6/CR6.pdf>;

Rutstein, S. *The DHS Wealth Index: Approaches for Rural and Urban Areas*. Calverton: Macro International, 2008. <https://dhsprogram.com/pubs/pdf/WP60/WP60.pdf>.

<sup>8</sup> When describing survey results by wealth quintiles, appropriate terminology is used when referring to individual household members, such as for instance "women in the richest population quintile", which is used interchangeably with "women in the wealthiest survey population", "women living in households in the richest population wealth quintile", and similar.

**Table SR.5.1W: Women's background characteristics**

Percent and frequency distribution of women age 15-49 years, Thailand, 2022

|  | Weighted percent | Number of women |               |
|--|------------------|-----------------|---------------|
|  |                  | Weighted        | Unweighted    |
| <b>Total</b>                             | <b>100.0</b>     | <b>21,089</b>   | <b>21,089</b> |
| <b>Area</b>                              |                  |                 |               |
| Urban                                    | 54.8             | 11,566          | 11,090        |
| Rural                                    | 45.2             | 9,523           | 9,999         |
| <b>Region</b>                            |                  |                 |               |
| Bangkok                                  | 16.4             | 3,464           | 2,168         |
| Central                                  | 34.0             | 7,165           | 3,175         |
| North                                    | 13.5             | 2,837           | 3,327         |
| Northeast                                | 22.7             | 4,778           | 5,664         |
| South                                    | 13.5             | 2,846           | 6,755         |
| <b>Age</b>                               |                  |                 |               |
| 15-19                                    | 11.6             | 2,442           | 2,268         |
| 15-17                                    | 7.5              | 1,583           | 1,461         |
| 18-19                                    | 4.1              | 860             | 807           |
| 20-24                                    | 10.2             | 2,152           | 2,307         |
| 25-29                                    | 14.6             | 3,073           | 3,412         |
| 30-34                                    | 14.2             | 3,004           | 3,561         |
| 35-39                                    | 14.9             | 3,146           | 3,519         |
| 40-44                                    | 16.6             | 3,494           | 3,146         |
| 45-49                                    | 17.9             | 3,778           | 2,876         |
| <b>Education</b>                         |                  |                 |               |
| Pre-primary or none                      | 2.1              | 435             | 635           |
| Primary                                  | 15.4             | 3,238           | 3,555         |
| Lower secondary                          | 18.1             | 3,817           | 3,981         |
| Upper secondary                          | 25.9             | 5,457           | 5,816         |
| Higher                                   | 38.0             | 8,012           | 7,036         |
| DK/Missing                               | 0.6              | 130             | 66            |
| <b>Marital/Union status</b>              |                  |                 |               |
| Currently married/in union               | 56.1             | 11,840          | 14,025        |
| Widowed                                  | 1.1              | 237             | 251           |
| Divorced                                 | 3.2              | 672             | 621           |
| Separated                                | 4.7              | 995             | 984           |
| Never married/in union                   | 34.8             | 7,343           | 5,202         |
| Missing                                  | 0.0              | 2               | 6             |
| <b>Motherhood and recent births</b>      |                  |                 |               |
| Never gave birth                         | 45.5             | 9,602           | 6,483         |
| Ever gave birth                          | 54.3             | 11,451          | 14,577        |
| Gave birth in last two years             | 5.7              | 1,207           | 2,835         |
| No birth in last two years               | 48.6             | 10,243          | 11,742        |
| Missing                                  | 0.2              | 36              | 29            |
| <b>Health insurance</b>                  |                  |                 |               |
| Has coverage                             | 97.5             | 20,569          | 20,355        |
| Has no coverage                          | 2.5              | 519             | 731           |
| DK/Missing                               | 0.0              | 1               | 3             |
| <b>Native language of household head</b> |                  |                 |               |
| Thai                                     | 92.9             | 19,592          | 18,085        |
| Non-Thai                                 | 7.1              | 1,497           | 3,004         |
| <b>Wealth index quintile</b>             |                  |                 |               |
| Poorest                                  | 15.3             | 3,223           | 3,812         |
| Second                                   | 19.8             | 4,185           | 4,448         |
| Middle                                   | 20.7             | 4,358           | 4,756         |
| Fourth                                   | 21.0             | 4,431           | 4,469         |
| Richest                                  | 23.2             | 4,891           | 3,604         |

**Table SR.5.1M: Men's background characteristics**

Percent and frequency distribution of men age 15-49 years, Thailand, 2022

|  | Weighted percent | Number of men |              |
|--|------------------|---------------|--------------|
|  |                  | Weighted      | Unweighted   |
| <b>Total</b>                             | <b>100.0</b>     | <b>9,452</b>  | <b>9,452</b> |
| <b>Area</b>                              |                  |               |              |
| Urban                                    | 54.9             | 5,185         | 4,901        |
| Rural                                    | 45.1             | 4,267         | 4,551        |
| <b>Region</b>                            |                  |               |              |
| Bangkok                                  | 16.4             | 1,546         | 892          |
| Central                                  | 33.9             | 3,201         | 1,417        |
| North                                    | 13.5             | 1,280         | 1,527        |
| Northeast                                | 22.1             | 2,084         | 2,516        |
| South                                    | 14.2             | 1,340         | 3,100        |
| <b>Age</b>                               |                  |               |              |
| 15-19                                    | 12.8             | 1,213         | 1,126        |
| 15-17                                    | 8.2              | 775           | 741          |
| 18-19                                    | 4.6              | 438           | 385          |
| 20-24                                    | 11.8             | 1,114         | 1,028        |
| 25-29                                    | 13.8             | 1,307         | 1,422        |
| 30-34                                    | 15.0             | 1,419         | 1,568        |
| 35-39                                    | 14.3             | 1,355         | 1,538        |
| 40-44                                    | 16.2             | 1,530         | 1,482        |
| 45-49                                    | 16.0             | 1,515         | 1,288        |
| <b>Education</b>                         |                  |               |              |
| Pre-primary or none                      | 2.4              | 231           | 274          |
| Primary                                  | 18.8             | 1,776         | 2,054        |
| Lower secondary                          | 23.0             | 2,174         | 2,192        |
| Upper secondary                          | 27.6             | 2,605         | 2,537        |
| Higher                                   | 27.7             | 2,622         | 2,367        |
| DK/Missing                               | 0.5              | 45            | 28           |
| <b>Marital/Union status</b>              |                  |               |              |
| Currently married/in union               | 46.5             | 4,395         | 5,474        |
| Widowed                                  | 0.4              | 41            | 30           |
| Divorced                                 | 2.1              | 197           | 182          |
| Separated                                | 5.4              | 507           | 383          |
| Never married/in union                   | 45.5             | 4,298         | 3,379        |
| Missing                                  | 0.1              | 13            | 4            |
| <b>Fatherhood status</b>                 |                  |               |              |
| Has at least one living child            | 41.8             | 3,947         | 5,317        |
| Has no living children                   | 58.2             | 5,500         | 4,123        |
| DK/Missing                               | 0.1              | 5             | 12           |
| <b>Health insurance</b>                  |                  |               |              |
| Has coverage                             | 97.8             | 9,245         | 9,177        |
| Has no coverage                          | 2.2              | 206           | 274          |
| DK/Missing                               | 0.0              | 1             | 1            |
| <b>Native language of household head</b> |                  |               |              |
| Thai                                     | 92.0             | 8,698         | 7,942        |
| Non-Thai                                 | 8.0              | 754           | 1,510        |
| <b>Wealth index quintile</b>             |                  |               |              |
| Poorest                                  | 19.6             | 1,855         | 2,074        |
| Second                                   | 21.1             | 1,996         | 2,098        |
| Middle                                   | 20.4             | 1,925         | 2,051        |
| Fourth                                   | 19.3             | 1,824         | 1,808        |
| Richest                                  | 19.6             | 1,852         | 1,421        |

**Table SR.5.2: Children under 5's background characteristics**

Percent and frequency distribution of children under five years, Thailand, 2022

|  | Weighted percent | Number of under-5 children |               |
|--|------------------|----------------------------|---------------|
|  |                  | Weighted                   | Unweighted    |
| <b>Total</b>                                   | <b>100.0</b>     | <b>10,502</b>              | <b>10,502</b> |
| <b>Sex</b>                                     |                  |                            |               |
| Male   | 53.7             | 5,640                      | 5,442         |
| Female   | 46.3             | 4,862                      | 5,060         |
| <b>Area</b>                                    |                  |                            |               |
| Urban  | 40.7             | 4,273                      | 4,693         |
| Rural  | 59.3             | 6,229                      | 5,809         |
| <b>Region</b>                                  |                  |                            |               |
| Bangkok  | 7.9              | 830                        | 566           |
| Central  | 26.5             | 2,783                      | 1,231         |
| North  | 17.4             | 1,832                      | 1,857         |
| Northeast                                      | 31.0             | 3,259                      | 3,286         |
| South  | 17.1             | 1,797                      | 3,562         |
| <b>Age in months</b>                           |                  |                            |               |
| 0-5  | 5.9              | 620                        | 434           |
| 6-11   | 9.8              | 1,028                      | 880           |
| 12-23  | 19.0             | 1,994                      | 1,976         |
| 24-35  | 21.7             | 2,276                      | 2,373         |
| 36-47  | 21.7             | 2,283                      | 2,421         |
| 48-59  | 21.9             | 2,300                      | 2,418         |
| <b>Mother's education<sup>A</sup></b>          |                  |                            |               |
| Pre-primary or none                            | 4.4              | 461                        | 354           |
| Primary  | 26.0             | 2,729                      | 2,610         |
| Lower secondary                                | 19.4             | 2,039                      | 2,053         |
| Upper secondary                                | 22.8             | 2,397                      | 2,506         |
| Higher   | 27.1             | 2,842                      | 2,968         |
| DK/Missing                                     | 0.3              | 34                         | 11            |
| <b>Respondent to the under-5 questionnaire</b> |                  |                            |               |
| Mother   | 76.7             | 8,052                      | 8,230         |
| Other primary caretaker                        | 23.3             | 2,450                      | 2,272         |
| <b>Health insurance</b>                        |                  |                            |               |
| Has coverage                                   | 97.4             | 10,231                     | 10,203        |
| Has no coverage                                | 2.6              | 270                        | 298           |
| DK/Missing                                     | 0.0              | 1                          | 1             |
| <b>Native language of household head</b>       |                  |                            |               |
| Thai   | 88.8             | 9,331                      | 9,012         |
| Non-Thai                                       | 11.2             | 1,171                      | 1,490         |
| <b>Wealth index quintile</b>                   |                  |                            |               |
| Poorest  | 22.5             | 2,362                      | 2,228         |
| Second   | 21.3             | 2,236                      | 2,295         |
| Middle   | 20.4             | 2,140                      | 2,360         |
| Fourth   | 19.4             | 2,036                      | 2,093         |
| Richest  | 16.5             | 1,729                      | 1,526         |

<sup>A</sup> In this table and throughout the report where applicable, mother's education refers to educational attainment of the respondent: Mothers (or caretakers, interviewed only if the mother is deceased or is living elsewhere).

**Table SR.5.3: Children age 5-14 years' background characteristics**

Percent and frequency distribution of children age 5-14 years, Thailand, 2022

|  | Weighted percent | Weighted total number of children age 5-14 years <sup>A</sup> | Number of households with at least one child age 5-14 years |               |
|--|------------------|---|---|---------------|
|  |                  |   | Weighted  | Unweighted    |
| <b>Total</b>   | <b>100.0</b>     | <b>13,559</b>   | <b>10,450</b>   | <b>10,450</b> |
| <b>Sex</b>   |                  |   |   |               |
| Male   | 51.7             | 7,004   | 5,446   | 5,477         |
| Female   | 48.3             | 6,555   | 5,004   | 4,973         |
| <b>Area</b>  |                  |   |   |               |
| Urban  | 43.1             | 5,845   | 4,597   | 4,818         |
| Rural  | 56.9             | 7,714   | 5,853   | 5,632         |
| <b>Region</b>  |                  |   |   |               |
| Bangkok  | 9.1              | 1,231   | 969   | 625           |
| Central  | 26.9             | 3,647   | 2,877   | 1,258         |
| North  | 15.8             | 2,147   | 1,690   | 1,796         |
| Northeast  | 31.6             | 4,279   | 3,322   | 3,440         |
| South  | 16.6             | 2,254   | 1,591   | 3,331         |
| <b>Age</b>   |                  |   |   |               |
| 5-9  | 48.3             | 6,544   | 4,950   | 5,944         |
| 10-14  | 51.7             | 7,015   | 5,500   | 4,506         |
| <b>Mother's education<sup>B</sup></b>                    |                  |   |   |               |
| Pre-primary or none                                      | 3.4              | 456   | 345   | 456           |
| Primary  | 36.3             | 4,920   | 3,855   | 3,574         |
| Lower secondary  | 19.8             | 2,678   | 2,036   | 1,897         |
| Upper secondary  | 18.8             | 2,546   | 1,985   | 2,153         |
| Higher   | 21.8             | 2,956   | 2,226   | 2,360         |
| DK/Missing   | 0.0              | 3   | 3   | 10            |
| <b>Respondent to the children age 5-14 questionnaire</b> |                  |   |   |               |
| Mother   | 67.1             | 9,102   | 6,905   | 7,490         |
| Other primary caretaker                                  | 32.9             | 4,457   | 3,545   | 2,960         |
| <b>Health insurance</b>                                  |                  |   |   |               |
| Has coverage   | 98.5             | 13,354  | 10,288  | 10,179        |
| Has no coverage  | 1.5              | 204   | 162   | 270           |
| DK/Missing   | 0.0              | 1   | 1   | 1             |
| <b>Native language of household head</b>                 |                  |   |   |               |
| Thai   | 91.3             | 12,375  | 9,641   | 8,945         |
| Non-Thai   | 8.7              | 1,184   | 809   | 1,505         |
| <b>Wealth index quintile</b>                             |                  |   |   |               |
| Poorest  | 21.2             | 2,874   | 2,207   | 2,337         |
| Second   | 21.8             | 2,960   | 2,274   | 2,275         |
| Middle   | 20.3             | 2,759   | 2,041   | 2,323         |
| Fourth   | 18.7             | 2,542   | 2,053   | 2,033         |
| Richest  | 17.9             | 2,424   | 1,875   | 1,482         |

<sup>A</sup> As one child is randomly selected in each household with at least one child age 5-14 years, the final weight of each child is the weight of the household multiplied with the number of children age 5-14 years in the household. This column is the basis for the weighted percent distribution, i.e. the distribution of all children age 5-14 years in sampled households.

<sup>B</sup> In this table and throughout the report where applicable, mother's education refers to educational attainment of the respondent: mothers (or caretakers, interviewed only if the mother is deceased or is living elsewhere).

## 4.6 LITERACY

The literacy rate reflects the outcomes of primary education over the previous 30-40 years. As a measure of the effectiveness of the primary education system, it is often seen as a proxy measure of social progress and economic achievement. In MICS, literacy is assessed on the ability of the respondent to read a short simple statement or based on school attendance.

Tables SR.6.1W and SR.6.1M show the survey findings for the total number of interviewed women and men, respectively. The Youth Literacy Rate, MICS Indicator SR.2, is calculated for women and men age 15-24 years and presented in the Age disaggregate in the two tables.

Note that those who have ever attended lower secondary or higher education are immediately classified as literate, due to their education level and are therefore not asked to read the statement. All others who successfully read the statement are also classified as literate. The tables are designed as full distributions of the survey respondents, by level of education ever attended. The total percentage literate presented in the final column is the sum of literate individuals among those with 1) pre-primary or no education, 2) primary education and 3) those with at least some secondary education.

The percent missing includes those for whom no sentence in the required language was available or for whom no response was reported.



| Table SR.6.1W: Literacy (women)   |   |            |             |            |                              |                 |             |            |            |              |  |                 |
|---|---|------------|-------------|------------|------------------------------|-----------------|-------------|------------|------------|--------------|--|-----------------|
| Percent distribution of women age 15-49 years by highest level of school attended and literacy, and the total percentage literate, Thailand, 2022 |   |            |             |            |                              |                 |             |            |            |              |  |                 |
|   | Percent distribution of highest level attended and literacy |            |             |            |                              |                 |             |            |            | Total        | Total percentage literate <sup>1</sup> | Number of women |
|   | Pre-primary or none   |            | Primary     |            | Lower secondary <sup>A</sup> | Upper secondary | Higher      | Missing    |            |              |  |                 |
|   | Literate  | Illiterate | Literate    | Illiterate |                              |                 |             | Literate   | Illiterate |              |  |                 |
| <b>Total</b>  | <b>0.2</b>  | <b>1.8</b> | <b>12.4</b> | <b>3.0</b> | <b>18.1</b>                  | <b>25.9</b>     | <b>38.0</b> | <b>0.0</b> | <b>0.6</b> | <b>100.0</b> | <b>94.6</b>                            | <b>21,089</b>   |
| <b>Area</b>   |   |            |             |            |                              |                 |             |            |            |              |  |                 |
| Urban   | 0.2   | 2.0        | 9.7         | 2.9        | 15.4                         | 23.4            | 45.6        | 0.1        | 0.8        | 100.0        | 94.4                                   | 11,566          |
| Rural   | 0.2   | 1.7        | 15.6        | 3.2        | 21.3                         | 28.9            | 28.8        | 0.0        | 0.3        | 100.0        | 94.8                                   | 9,523           |
| <b>Region</b>   |   |            |             |            |                              |                 |             |            |            |              |  |                 |
| Bangkok   | 0.2   | 1.6        | 8.9         | 2.5        | 12.8                         | 20.5            | 53.5        | 0.0        | 0.0        | 100.0        | 95.9                                   | 3,464           |
| Central   | 0.1   | 1.5        | 8.6         | 2.5        | 19.7                         | 25.2            | 40.6        | 0.1        | 1.7        | 100.0        | 94.3                                   | 7,165           |
| North   | 0.5   | 5.2        | 13.5        | 2.9        | 16.2                         | 26.1            | 35.5        | 0.0        | 0.1        | 100.0        | 91.8                                   | 2,837           |
| Northeast   | 0.3   | 0.4        | 18.5        | 2.9        | 21.4                         | 29.4            | 27.0        | 0.0        | 0.0        | 100.0        | 96.6                                   | 4,778           |
| South   | 0.1   | 1.8        | 14.6        | 5.1        | 17.0                         | 27.8            | 33.6        | 0.0        | 0.0        | 100.0        | 93.1                                   | 2,846           |
| <b>Age</b>  |   |            |             |            |                              |                 |             |            |            |              |  |                 |
| 15-24 <sup>1</sup>  | 0.1   | 1.1        | 2.3         | 1.6        | 16.4                         | 45.1            | 32.9        | 0.0        | 0.4        | 100.0        | 96.8                                   | 4,594           |
| 15-19   | 0.2   | 0.9        | 1.8         | 0.7        | 17.2                         | 65.0            | 14.1        | 0.0        | 0.0        | 100.0        | 98.3                                   | 2,442           |
| 15-17   | 0.0   | 0.4        | 1.6         | 0.5        | 21.1                         | 75.8            | 0.5         | 0.0        | 0.0        | 100.0        | 99.0                                   | 1,583           |
| 18-19   | 0.5   | 1.9        | 2.3         | 1.0        | 10.0                         | 45.1            | 39.2        | 0.0        | 0.0        | 100.0        | 97.1                                   | 860             |
| 20-24   | 0.1   | 1.3        | 2.8         | 2.6        | 15.5                         | 22.5            | 54.3        | 0.0        | 0.9        | 100.0        | 95.1                                   | 2,152           |
| 25-34   | 0.3   | 1.7        | 5.2         | 2.2        | 18.5                         | 21.7            | 48.9        | 0.1        | 1.3        | 100.0        | 94.8                                   | 6,077           |
| 35-49   | 0.2   | 2.2        | 21.0        | 4.1        | 18.6                         | 19.8            | 33.8        | 0.0        | 0.2        | 100.0        | 93.5                                   | 10,418          |
| <b>Native language of household head</b>  |   |            |             |            |                              |                 |             |            |            |              |  |                 |
| Thai  | 0.2   | 1.0        | 12.4        | 1.9        | 18.2                         | 26.2            | 40.0        | 0.0        | 0.0        | 100.0        | 97.0                                   | 19,592          |
| Non-Thai  | 0.2   | 13.1       | 11.6        | 17.0       | 16.7                         | 21.4            | 12.0        | 0.4        | 7.6        | 100.0        | 62.3                                   | 1,497           |
| <b>Wealth index quintile</b>  |   |            |             |            |                              |                 |             |            |            |              |  |                 |
| Poorest   | 0.4   | 6.2        | 23.6        | 9.3        | 26.5                         | 24.2            | 7.2         | 0.0        | 2.6        | 100.0        | 81.8                                   | 3,223           |
| Second  | 0.3   | 2.9        | 17.9        | 4.8        | 23.9                         | 30.3            | 18.9        | 0.2        | 0.8        | 100.0        | 91.4                                   | 4,185           |
| Middle  | 0.3   | 0.9        | 12.9        | 1.7        | 19.8                         | 29.1            | 35.1        | 0.0        | 0.1        | 100.0        | 97.3                                   | 4,358           |
| Fourth  | 0.0   | 0.2        | 8.4         | 0.7        | 16.2                         | 28.6            | 45.8        | 0.0        | 0.0        | 100.0        | 99.0                                   | 4,431           |
| Richest   | 0.2   | 0.3        | 3.4         | 0.4        | 7.8                          | 17.8            | 70.1        | 0.0        | 0.0        | 100.0        | 99.2                                   | 4,891           |

<sup>1</sup> MICS indicator SR.2 - Literacy rate (age 15-24 years)

<sup>A</sup> Respondents who have attended secondary school or higher are considered literate and are not tested.

| Table SR.6.1M: Literacy (men)   |   |            |             |            |                              |                 |             |            |            |              |  |               |
|---|---|------------|-------------|------------|------------------------------|-----------------|-------------|------------|------------|--------------|--|---------------|
| Percent distribution of men age 15-49 years by highest level of school attended and literacy, and the total percentage literate, Thailand, 2022 |   |            |             |            |                              |                 |             |            |            |              |  |               |
|   | Percent distribution of highest level attended and literacy |            |             |            |                              |                 |             |            |            | Total        | Total percentage literate <sup>1</sup> | Number of men |
|   | Pre-primary or none   |            | Primary     |            | Lower secondary <sup>A</sup> | Upper secondary | Higher      | Missing    |            |              |  |               |
|   | Literate  | Illiterate | Literate    | Illiterate |                              |                 |             | Literate   | Illiterate |              |  |               |
| <b>Total</b>  | <b>0.2</b>  | <b>2.2</b> | <b>15.4</b> | <b>3.4</b> | <b>23.0</b>                  | <b>27.6</b>     | <b>27.7</b> | <b>0.0</b> | <b>0.4</b> | <b>100.0</b> | <b>94.0</b>                            | <b>9,452</b>  |
| <b>Area</b>   |   |            |             |            |                              |                 |             |            |            |              |  |               |
| Urban   | 0.2   | 2.4        | 11.7        | 3.0        | 20.8                         | 26.6            | 34.6        | 0.0        | 0.7        | 100.0        | 94.0                                   | 5,185         |
| Rural   | 0.3   | 2.0        | 19.9        | 3.9        | 25.6                         | 28.7            | 19.4        | 0.0        | 0.2        | 100.0        | 93.9                                   | 4,267         |
| <b>Region</b>   |   |            |             |            |                              |                 |             |            |            |              |  |               |
| Bangkok   | 0.3   | 1.6        | 7.1         | 2.7        | 20.0                         | 27.9            | 40.4        | 0.0        | 0.0        | 100.0        | 95.7                                   | 1,546         |
| Central   | 0.3   | 2.0        | 11.7        | 2.5        | 21.9                         | 28.7            | 31.6        | 0.1        | 1.3        | 100.0        | 94.2                                   | 3,201         |
| North   | 0.2   | 4.1        | 18.3        | 2.8        | 24.0                         | 25.5            | 25.0        | 0.0        | 0.1        | 100.0        | 93.0                                   | 1,280         |
| Northeast   | 0.3   | 0.4        | 22.1        | 2.7        | 28.9                         | 29.3            | 16.3        | 0.0        | 0.0        | 100.0        | 96.9                                   | 2,084         |
| South   | 0.0   | 4.4        | 20.7        | 7.8        | 19.1                         | 23.6            | 24.5        | 0.0        | 0.0        | 100.0        | 87.8                                   | 1,340         |
| <b>Age</b>  |   |            |             |            |                              |                 |             |            |            |              |  |               |
| 15-24 <sup>1</sup>  | 0.4   | 1.1        | 8.1         | 2.3        | 22.8                         | 41.1            | 23.7        | 0.0        | 0.6        | 100.0        | 96.0                                   | 2,327         |
| 15-19   | 0.3   | 0.8        | 6.2         | 1.0        | 24.4                         | 55.3            | 11.8        | 0.0        | 0.2        | 100.0        | 98.0                                   | 1,213         |
| 15-17   | 0.1   | 0.1        | 3.8         | 1.1        | 28.8                         | 66.1            | 0.1         | 0.0        | 0.0        | 100.0        | 98.8                                   | 775           |
| 18-19   | 0.7   | 2.1        | 10.5        | 0.7        | 16.6                         | 36.2            | 32.6        | 0.0        | 0.5        | 100.0        | 96.6                                   | 438           |
| 20-24   | 0.4   | 1.3        | 10.2        | 3.8        | 21.0                         | 25.5            | 36.7        | 0.0        | 1.0        | 100.0        | 93.8                                   | 1,114         |
| 25-34   | 0.1   | 2.5        | 10.5        | 3.5        | 26.5                         | 23.9            | 32.2        | 0.0        | 0.8        | 100.0        | 93.2                                   | 2,726         |
| 35-49   | 0.2   | 2.6        | 22.3        | 3.8        | 21.0                         | 22.7            | 27.1        | 0.1        | 0.2        | 100.0        | 93.4                                   | 4,399         |
| <b>Native language of household head</b>  |   |            |             |            |                              |                 |             |            |            |              |  |               |
| Thai  | 0.2   | 0.8        | 15.5        | 2.1        | 23.1                         | 28.6            | 29.5        | 0.0        | 0.0        | 100.0        | 97.0                                   | 8,698         |
| Non-Thai  | 0.7   | 18.1       | 13.8        | 17.8       | 21.6                         | 15.1            | 7.8         | 0.0        | 5.1        | 100.0        | 59.0                                   | 754           |
| <b>Wealth index quintile</b>  |   |            |             |            |                              |                 |             |            |            |              |  |               |
| Poorest   | 0.4   | 7.4        | 27.5        | 9.0        | 28.4                         | 21.0            | 4.5         | 0.0        | 1.7        | 100.0        | 81.9                                   | 1,855         |
| Second  | 0.4   | 2.2        | 21.3        | 4.8        | 31.1                         | 24.7            | 15.2        | 0.0        | 0.4        | 100.0        | 92.7                                   | 1,996         |
| Middle  | 0.0   | 1.0        | 14.7        | 1.8        | 25.0                         | 30.8            | 26.4        | 0.1        | 0.1        | 100.0        | 97.1                                   | 1,925         |
| Fourth  | 0.2   | 0.1        | 9.2         | 0.9        | 19.8                         | 35.5            | 34.3        | 0.0        | 0.0        | 100.0        | 99.0                                   | 1,824         |
| Richest   | 0.2   | 0.3        | 3.7         | 0.3        | 10.0                         | 26.1            | 59.4        | 0.0        | 0.0        | 100.0        | 99.4                                   | 1,852         |

<sup>1</sup> MICS indicator SR.2 - Literacy rate (age 15-24 years)

<sup>A</sup> Respondents who have attended secondary school or higher are considered literate and are not tested.

#### 4.7 MIGRATORY STATUS

The Background module of the Thailand MICS 2022 asked respondents to the Individual Questionnaire for Women and Men how long they have been continuously living in the current residence and, if they were not living there since birth, whether they lived in an urban or rural area and the name of the region they lived in before moving to their current place of residence. Tables SR.7.1W and 7.1.M present the percentage of women and men who have changed residence according to the time since last move and also compares the place of residence of each individual at the time of the survey with that of the last place of residence and the type of residence.

| Table SR.7.1W: Migratory status (women)   |                                   |                    |             |             |                  |              |                 |   |             |                            |              |   |             |             |             |             |                  |              |                                   |  |
|---|-----------------------------------|--------------------|-------------|-------------|------------------|--------------|-----------------|---|-------------|----------------------------|--------------|---|-------------|-------------|-------------|-------------|------------------|--------------|-----------------------------------|--|
| Percent distribution of women age 15-49 years by migratory status and years since last migration, and percent distribution of women who migrated, by type and place of last residence, Thailand, 2022 |                                   |                    |             |             |                  |              |                 |   |             |                            |              |   |             |             |             |             |                  |              |                                   |  |
|   | Years since most recent migration |                    |             |             |                  |              | Number of women | Most recent migration was from <sup>A</sup> : |             |                            |              | Most recent migration was from <sup>A</sup> : |             |             |             |             |                  |              | Number of women who ever migrated |  |
|   | Never migrated                    | Less than one year | 1-4 years   | 5-9 years   | 10 years or more | Total        |                 | Urban area                                    | Rural area  | DK/Don't remember/ Missing | Total        | Bangkok                                       | Central     | North       | Northeast   | South       | Outside Thailand | Total        |                                   |  |
| <b>Total</b>  | <b>53.8</b>                       | <b>2.4</b>         | <b>13.7</b> | <b>10.7</b> | <b>19.4</b>      | <b>100.0</b> | <b>21,089</b>   | <b>52.1</b>                                   | <b>44.7</b> | <b>3.2</b>                 | <b>100.0</b> | <b>8.3</b>                                    | <b>39.7</b> | <b>12.6</b> | <b>20.9</b> | <b>14.4</b> | <b>4.1</b>       | <b>100.0</b> | <b>9,753</b>                      |  |
| <b>Area</b>   |                                   |                    |             |             |                  |              |                 |   |             |                            |              |   |             |             |             |             |                  |              |                                   |  |
| Urban   | 47.1                              | 2.3                | 15.0        | 13.5        | 22.1             | 100.0        | 11,566          | 59.7  | 36.8        | 3.5                        | 100.0        | 7.6   | 38.9        | 12.0        | 23.2        | 12.9        | 5.3              | 100.0        | 6,116                             |  |
| Rural   | 61.8                              | 2.4                | 12.2        | 7.4         | 16.3             | 100.0        | 9,523           | 39.4  | 58.0        | 2.6                        | 100.0        | 9.4   | 41.1        | 13.6        | 17.1        | 16.8        | 2.1              | 100.0        | 3,637                             |  |
| <b>Region</b>   |                                   |                    |             |             |                  |              |                 |   |             |                            |              |   |             |             |             |             |                  |              |                                   |  |
| Bangkok   | 60.1                              | 1.0                | 6.8         | 9.2         | 22.9             | 100.0        | 3,464           | 38.3  | 59.0        | 2.8                        | 100.0        | 0.0   | 22.8        | 13.6        | 43.5        | 9.8         | 10.1             | 100.0        | 1,381                             |  |
| Central   | 34.7                              | 4.0                | 20.9        | 16.0        | 24.5             | 100.0        | 7,165           | 57.3  | 38.7        | 4.0                        | 100.0        | 11.5  | 71.3        | 3.1         | 9.0         | 1.6         | 3.6              | 100.0        | 4,678                             |  |
| North   | 59.1                              | 2.3                | 13.0        | 9.2         | 16.5             | 100.0        | 2,837           | 54.0  | 42.8        | 3.2                        | 100.0        | 8.2   | 6.4         | 74.6        | 6.7         | 1.2         | 3.0              | 100.0        | 1,162                             |  |
| Northeast   | 75.4                              | 1.6                | 8.3         | 5.0         | 9.7              | 100.0        | 4,778           | 50.2  | 48.3        | 1.4                        | 100.0        | 12.1  | 7.5         | 1.7         | 75.7        | 1.2         | 1.7              | 100.0        | 1,175                             |  |
| South   | 52.3                              | 1.4                | 14.0        | 10.5        | 21.9             | 100.0        | 2,846           | 48.4  | 49.4        | 2.2                        | 100.0        | 2.5   | 4.1         | 0.7         | 3.9         | 86.0        | 2.8              | 100.0        | 1,357                             |  |
| <b>Age</b>  |                                   |                    |             |             |                  |              |                 |   |             |                            |              |   |             |             |             |             |                  |              |                                   |  |
| 15-19   | 76.3                              | 2.4                | 11.1        | 4.1         | 6.1              | 100.0        | 2,442           | 55.3  | 42.8        | 1.9                        | 100.0        | 8.6   | 39.9        | 13.3        | 20.3        | 16.4        | 1.6              | 100.0        | 579                               |  |
| 15-17   | 82.3                              | 0.9                | 7.1         | 4.2         | 5.5              | 100.0        | 1,583           | 53.5  | 45.7        | 0.9                        | 100.0        | 9.1   | 44.3        | 8.9         | 16.1        | 21.0        | 0.6              | 100.0        | 280                               |  |
| 18-19   | 65.3                              | 5.0                | 18.6        | 3.7         | 7.4              | 100.0        | 860             | 56.9  | 40.1        | 2.9                        | 100.0        | 8.1   | 35.7        | 17.4        | 24.2        | 12.1        | 2.4              | 100.0        | 299                               |  |
| 20-24   | 54.5                              | 4.9                | 25.4        | 9.0         | 6.2              | 100.0        | 2,152           | 53.4  | 42.0        | 4.6                        | 100.0        | 5.9   | 34.5        | 15.3        | 24.6        | 13.4        | 6.2              | 100.0        | 980                               |  |
| 25-29   | 50.5                              | 2.7                | 22.3        | 14.6        | 10.0             | 100.0        | 3,073           | 53.3  | 43.6        | 3.1                        | 100.0        | 9.4   | 36.7        | 12.2        | 23.3        | 13.2        | 5.0              | 100.0        | 1,522                             |  |
| 30-34   | 48.8                              | 2.5                | 16.1        | 14.8        | 17.8             | 100.0        | 3,004           | 52.7  | 42.3        | 5.0                        | 100.0        | 7.0   | 45.5        | 10.9        | 17.9        | 13.2        | 5.6              | 100.0        | 1,539                             |  |
| 35-39   | 47.6                              | 1.7                | 12.5        | 13.6        | 24.6             | 100.0        | 3,146           | 49.1  | 47.5        | 3.4                        | 100.0        | 9.2   | 35.3        | 15.6        | 18.9        | 15.3        | 5.7              | 100.0        | 1,647                             |  |
| 40-44   | 51.1                              | 1.6                | 8.9         | 10.5        | 27.9             | 100.0        | 3,494           | 50.7  | 47.1        | 2.2                        | 100.0        | 7.2   | 38.7        | 12.4        | 22.6        | 16.0        | 3.2              | 100.0        | 1,710                             |  |
| 45-49   | 53.0                              | 1.8                | 5.4         | 7.4         | 32.4             | 100.0        | 3,778           | 53.0  | 44.9        | 2.0                        | 100.0        | 9.8   | 45.0        | 10.0        | 20.1        | 13.9        | 1.1              | 100.0        | 1,776                             |  |
| <b>Education</b>  |                                   |                    |             |             |                  |              |                 |   |             |                            |              |   |             |             |             |             |                  |              |                                   |  |
| Pre-primary or none   | 29.2                              | 2.4                | 22.3        | 16.8        | 29.4             | 100.0        | 435             | 38.2  | 44.5        | 17.3                       | 100.0        | 1.0   | 30.5        | 26.4        | 5.4         | 9.0         | 27.7             | 100.0        | 308                               |  |
| Primary   | 54.1                              | 3.3                | 9.9         | 7.8         | 24.9             | 100.0        | 3,238           | 39.8  | 53.5        | 6.7                        | 100.0        | 6.0   | 31.4        | 10.9        | 24.9        | 16.4        | 10.4             | 100.0        | 1,487                             |  |
| Lower secondary   | 52.8                              | 2.1                | 14.3        | 12.2        | 18.7             | 100.0        | 3,817           | 49.5  | 49.0        | 1.5                        | 100.0        | 6.1   | 42.8        | 10.3        | 26.0        | 12.5        | 2.3              | 100.0        | 1,803                             |  |
| Upper secondary   | 59.1                              | 2.2                | 13.6        | 9.7         | 15.4             | 100.0        | 5,457           | 51.3  | 47.7        | 1.0                        | 100.0        | 7.8   | 44.8        | 13.0        | 20.5        | 13.2        | 0.8              | 100.0        | 2,234                             |  |
| Higher  | 52.7                              | 2.3                | 14.4        | 11.0        | 19.7             | 100.0        | 8,012           | 60.5  | 38.6        | 1.0                        | 100.0        | 11.3  | 39.6        | 13.4        | 19.2        | 16.1        | 0.4              | 100.0        | 3,792                             |  |
| DK/Missing  | 0.0                               | 2.4                | 28.7        | 45.5        | 23.4             | 100.0        | 130             | 33.9  | 11.9        | 54.2                       | 100.0        | 4.5   | 28.7        | 0.1         | 0.0         | 0.0         | 66.7             | 100.0        | 130                               |  |

**Table SR.7.1W: Migratory status (women) (continued)**

Percent distribution of women age 15-49 years by migratory status and years since last migration, and percent distribution of women who migrated, by type and place of last residence, Thailand, 2022

|  | Years since most recent migration |                    |           |           |                  |       | Number of women | Most recent migration was from <sup>A</sup> : |            |                            |       | Most recent migration was from <sup>A</sup> : |         |       |           |       |                  | Number of women who ever migrated |       |
|--|-----------------------------------|--------------------|-----------|-----------|------------------|-------|-----------------|---|------------|----------------------------|-------|---|---------|-------|-----------|-------|------------------|-----------------------------------|-------|
|  | Never migrated                    | Less than one year | 1-4 years | 5-9 years | 10 years or more | Total |                 | Urban area                                    | Rural area | DK/Don't remember/ Missing | Total | Bangkok                                       | Central | North | Northeast | South | Outside Thailand |                                   | Total |
| <b>Marital status</b>                    |                                   |                    |           |           |                  |       |                 |   |            |                            |       |   |         |       |           |       |                  |                                   |       |
| Ever married/in union                    | 47.7                              | 2.4                | 14.1      | 12.1      | 23.7             | 100.0 | 13,746          | 50.1  | 46.7       | 3.2                        | 100.0 | 7.8   | 38.7    | 13.2  | 20.9      | 15.3  | 4.1              | 100.0                             | 7,194 |
| Never married/in union                   | 65.1                              | 2.2                | 13.0      | 8.1       | 11.5             | 100.0 | 7,343           | 57.8  | 39.0       | 3.3                        | 100.0 | 9.7   | 42.3    | 10.7  | 20.9      | 12.0  | 4.3              | 100.0                             | 2,559 |
| <b>Native language of household head</b> |                                   |                    |           |           |                  |       |                 |   |            |                            |       |   |         |       |           |       |                  |                                   |       |
| Thai                                     | 54.3                              | 2.3                | 13.5      | 10.4      | 19.4             | 100.0 | 19,592          | 53.2  | 45.2       | 1.7                        | 100.0 | 8.6   | 41.8    | 12.8  | 22.2      | 13.0  | 1.6              | 100.0                             | 8,952 |
| Non-Thai                                 | 46.5                              | 3.2                | 16.4      | 14.4      | 19.5             | 100.0 | 1,497           | 40.6  | 39.6       | 19.7                       | 100.0 | 5.0   | 16.7    | 10.1  | 6.5       | 30.1  | 31.6             | 100.0                             | 801   |
| <b>Wealth index quintile</b>             |                                   |                    |           |           |                  |       |                 |   |            |                            |       |   |         |       |           |       |                  |                                   |       |
| Poorest                                  | 59.9                              | 2.7                | 13.3      | 8.5       | 15.6             | 100.0 | 3,223           | 40.1  | 48.2       | 11.7                       | 100.0 | 6.6   | 28.4    | 10.4  | 25.7      | 12.5  | 16.3             | 100.0                             | 1,291 |
| Second                                   | 49.6                              | 4.5                | 18.8      | 12.4      | 14.7             | 100.0 | 4,185           | 43.7  | 53.0       | 3.2                        | 100.0 | 4.4   | 35.9    | 12.9  | 25.3      | 15.8  | 5.6              | 100.0                             | 2,111 |
| Middle                                   | 52.5                              | 2.4                | 15.1      | 10.7      | 19.3             | 100.0 | 4,358           | 48.4  | 50.0       | 1.6                        | 100.0 | 4.3   | 35.9    | 15.6  | 24.6      | 18.1  | 1.5              | 100.0                             | 2,069 |
| Fourth                                   | 57.2                              | 1.7                | 11.6      | 11.7      | 17.8             | 100.0 | 4,431           | 56.8  | 41.8       | 1.4                        | 100.0 | 8.9   | 42.4    | 11.0  | 19.6      | 16.9  | 1.1              | 100.0                             | 1,895 |
| Richest                                  | 51.2                              | 1.0                | 10.4      | 9.8       | 27.6             | 100.0 | 4,891           | 65.5  | 33.2       | 1.3                        | 100.0 | 15.6  | 50.3    | 12.0  | 12.3      | 9.0   | 0.8              | 100.0                             | 2,387 |

<sup>A</sup>Moving within Bangkok or within the same municipality is not considered as migration.

| Table SR.7.1M: Migratory status (men)   |                                   |                    |           |           |                  |       |               |   |            |                            |       |   |         |       |           |       |                  |                                 |       |  |
|---|-----------------------------------|--------------------|-----------|-----------|------------------|-------|---------------|---|------------|----------------------------|-------|---|---------|-------|-----------|-------|------------------|---------------------------------|-------|--|
| Percent distribution of men age 15-49 years by migratory status and years since last migration, and percent distribution of men who migrated, by type and place of last residence, Thailand, 2022 |                                   |                    |           |           |                  |       |               |   |            |                            |       |   |         |       |           |       |                  |                                 |       |  |
|   | Years since most recent migration |                    |           |           |                  |       | Number of men | Most recent migration was from <sup>A</sup> : |            |                            |       | Most recent migration was from <sup>A</sup> : |         |       |           |       |                  | Number of men who ever migrated |       |  |
|   | Never migrated                    | Less than one year | 1-4 years | 5-9 years | 10 years or more | Total |               | Urban area                                    | Rural area | DK/Don't remember/ Missing | Total | Bangkok                                       | Central | North | Northeast | South | Outside Thailand |                                 | Total |  |
| <b>Total</b>  | 56.9                              | 2.3                | 12.6      | 11.2      | 17.0             | 100.0 | 9,452         | 49.6  | 46.8       | 3.6                        | 100.0 | 7.3   | 39.1    | 11.8  | 24.7      | 12.7  | 4.4              | 100.0                           | 4,071 |  |
| <b>Area</b>   |                                   |                    |           |           |                  |       |               |   |            |                            |       |   |         |       |           |       |                  |                                 |       |  |
| Urban   | 49.5                              | 1.7                | 13.5      | 15.0      | 20.2             | 100.0 | 5,185         | 56.9  | 40.0       | 3.2                        | 100.0 | 6.9   | 39.7    | 12.4  | 25.4      | 10.7  | 4.9              | 100.0                           | 2,616 |  |
| Rural   | 65.9                              | 3.0                | 11.4      | 6.6       | 13.1             | 100.0 | 4,267         | 36.7  | 59.0       | 4.4                        | 100.0 | 8.0   | 38.0    | 10.8  | 23.6      | 16.2  | 3.4              | 100.0                           | 1,455 |  |
| <b>Region</b>   |                                   |                    |           |           |                  |       |               |   |            |                            |       |   |         |       |           |       |                  |                                 |       |  |
| Bangkok   | 60.2                              | 0.7                | 9.0       | 9.1       | 21.0             | 100.0 | 1,546         | 33.4  | 64.9       | 1.7                        | 100.0 | 0.0   | 19.9    | 14.1  | 48.8      | 8.4   | 8.7              | 100.0                           | 615   |  |
| Central   | 37.0                              | 4.7                | 19.1      | 16.9      | 22.3             | 100.0 | 3,201         | 54.4  | 41.4       | 4.2                        | 100.0 | 8.0   | 68.8    | 4.4   | 13.8      | 1.7   | 3.3              | 100.0                           | 2,016 |  |
| North   | 68.7                              | 1.6                | 10.3      | 8.4       | 10.9             | 100.0 | 1,280         | 56.1  | 40.2       | 3.8                        | 100.0 | 9.2   | 9.6     | 73.7  | 3.7       | 0.3   | 3.4              | 100.0                           | 401   |  |
| Northeast   | 74.7                              | 1.4                | 7.6       | 5.0       | 11.3             | 100.0 | 2,084         | 49.4  | 50.3       | 0.3                        | 100.0 | 17.2  | 4.6     | 1.2   | 75.4      | 0.3   | 1.3              | 100.0                           | 527   |  |
| South   | 61.7                              | 0.5                | 11.1      | 12.2      | 14.5             | 100.0 | 1,340         | 45.7  | 47.7       | 6.6                        | 100.0 | 1.9   | 3.8     | 0.7   | 3.2       | 83.0  | 7.4              | 100.0                           | 513   |  |
| <b>Age</b>  |                                   |                    |           |           |                  |       |               |   |            |                            |       |   |         |       |           |       |                  |                                 |       |  |
| 15-19   | 84.3                              | 1.8                | 6.0       | 3.6       | 4.2              | 100.0 | 1,213         | 44.1  | 45.3       | 10.6                       | 100.0 | 8.7   | 51.0    | 10.3  | 20.6      | 8.1   | 1.3              | 100.0                           | 190   |  |
| 15-17   | 87.3                              | 1.3                | 3.5       | 4.7       | 3.1              | 100.0 | 775           | 55.8  | 44.2       | 0.0                        | 100.0 | 8.7   | 47.3    | 11.1  | 24.1      | 8.6   | 0.0              | 100.0                           | 98    |  |
| 18-19   | 78.9                              | 2.7                | 10.5      | 1.8       | 6.1              | 100.0 | 438           | 31.6  | 46.5       | 21.8                       | 100.0 | 8.6   | 54.9    | 9.4   | 16.9      | 7.4   | 2.7              | 100.0                           | 92    |  |
| 20-24   | 62.2                              | 4.8                | 20.5      | 6.7       | 5.8              | 100.0 | 1,114         | 47.0  | 47.6       | 5.4                        | 100.0 | 4.9   | 37.0    | 11.5  | 23.5      | 15.6  | 7.5              | 100.0                           | 421   |  |
| 25-29   | 57.6                              | 3.8                | 17.2      | 13.0      | 8.4              | 100.0 | 1,307         | 59.7  | 36.2       | 4.1                        | 100.0 | 5.7   | 44.2    | 8.9   | 19.9      | 14.5  | 6.7              | 100.0                           | 554   |  |
| 30-34   | 48.9                              | 2.2                | 15.1      | 18.4      | 15.3             | 100.0 | 1,419         | 43.6  | 52.0       | 4.3                        | 100.0 | 5.0   | 43.1    | 9.2   | 28.0      | 8.1   | 6.5              | 100.0                           | 725   |  |
| 35-39   | 48.8                              | 1.9                | 15.0      | 12.8      | 21.6             | 100.0 | 1,355         | 52.4  | 43.7       | 3.8                        | 100.0 | 11.9  | 36.6    | 14.1  | 22.8      | 10.0  | 4.7              | 100.0                           | 694   |  |
| 40-44   | 50.1                              | 0.8                | 10.0      | 12.7      | 26.4             | 100.0 | 1,530         | 50.7  | 47.6       | 1.7                        | 100.0 | 4.6   | 38.2    | 11.3  | 26.7      | 17.2  | 2.0              | 100.0                           | 763   |  |
| 45-49   | 52.2                              | 1.6                | 6.0       | 9.2       | 31.0             | 100.0 | 1,515         | 47.3  | 51.4       | 1.3                        | 100.0 | 10.4  | 32.5    | 15.7  | 26.9      | 13.1  | 1.5              | 100.0                           | 724   |  |
| <b>Education</b>  |                                   |                    |           |           |                  |       |               |   |            |                            |       |   |         |       |           |       |                  |                                 |       |  |
| Pre-primary or none   | 25.8                              | 0.4                | 27.7      | 26.5      | 19.5             | 100.0 | 231           | 34.8  | 40.6       | 24.6                       | 100.0 | 2.7   | 24.1    | 13.0  | 1.3       | 17.9  | 41.0             | 100.0                           | 171   |  |
| Primary   | 59.7                              | 2.8                | 10.1      | 8.0       | 19.4             | 100.0 | 1,776         | 41.7  | 52.1       | 6.2                        | 100.0 | 6.2   | 31.5    | 13.9  | 24.5      | 15.5  | 8.4              | 100.0                           | 716   |  |
| Lower secondary   | 63.0                              | 2.1                | 12.7      | 8.9       | 13.2             | 100.0 | 2,174         | 42.8  | 55.2       | 2.0                        | 100.0 | 7.3   | 40.8    | 7.9   | 32.5      | 10.2  | 1.4              | 100.0                           | 804   |  |
| Upper secondary   | 61.4                              | 2.3                | 11.5      | 10.5      | 14.2             | 100.0 | 2,605         | 49.8  | 49.1       | 1.1                        | 100.0 | 6.9   | 40.9    | 11.0  | 30.2      | 10.5  | 0.5              | 100.0                           | 1,005 |  |
| Higher  | 49.3                              | 2.3                | 13.5      | 13.8      | 21.0             | 100.0 | 2,622         | 60.1  | 38.5       | 1.4                        | 100.0 | 8.8   | 42.7    | 13.9  | 19.9      | 14.0  | 0.7              | 100.0                           | 1,330 |  |
| DK/Missing  | (0.1)                             | (0.7)              | (28.5)    | (49.2)    | (21.5)           | 100.0 | 45            | (43.0)  | (27.3)     | (29.7)                     | 100.0 | (7.9)   | (38.0)  | (0.0) | (0.0)     | (3.4) | (50.7)           | 100.0                           | 45    |  |

**Table SR.7.1M: Migratory status (men) (continued)**

Percent distribution of men age 15-49 years by migratory status and years since last migration, and percent distribution of men who migrated, by type and place of last residence, Thailand, 2022

|  | Years since most recent migration |                    |           |           |                  |       | Number of men | Most recent migration was from <sup>A</sup> : |            |                               |       | Most recent migration was from <sup>A</sup> : |         |       |           |       |                  | Number of men who ever migrated |       |
|--|-----------------------------------|--------------------|-----------|-----------|------------------|-------|---------------|---|------------|-------------------------------|-------|---|---------|-------|-----------|-------|------------------|---------------------------------|-------|
|  | Never migrated                    | Less than one year | 1-4 years | 5-9 years | 10 years or more | Total |               | Urban area                                    | Rural area | DK/Don't remember/<br>Missing | Total | Bangkok                                       | Central | North | Northeast | South | Outside Thailand |                                 | Total |
| <b>Marital status</b>                    |                                   |                    |           |           |                  |       |               |   |            |                               |       |   |         |       |           |       |                  |                                 |       |
| Ever married/in union                    | 45.4                              | 2.0                | 13.8      | 14.5      | 24.3             | 100.0 | 5,154         | 48.4  | 48.9       | 2.7                           | 100.0 | 7.5   | 36.2    | 13.2  | 26.2      | 12.8  | 4.0              | 100.0                           | 2,814 |
| Never married/in union                   | 70.8                              | 2.7                | 11.1      | 7.2       | 8.3              | 100.0 | 4,298         | 52.4  | 41.9       | 5.6                           | 100.0 | 7.0   | 45.4    | 8.6   | 21.5      | 12.4  | 5.1              | 100.0                           | 1,257 |
| <b>Native language of household head</b> |                                   |                    |           |           |                  |       |               |   |            |                               |       |   |         |       |           |       |                  |                                 |       |
| Thai                                     | 57.7                              | 2.3                | 11.9      | 10.8      | 17.3             | 100.0 | 8,698         | 50.8  | 47.9       | 1.3                           | 100.0 | 7.1   | 41.7    | 12.3  | 27.1      | 10.9  | 1.0              | 100.0                           | 3,682 |
| Non-Thai                                 | 48.4                              | 2.0                | 20.0      | 15.9      | 13.7             | 100.0 | 754           | 38.9  | 35.9       | 25.2                          | 100.0 | 9.7   | 14.7    | 6.9   | 2.7       | 29.6  | 36.4             | 100.0                           | 389   |
| <b>Wealth index quintile</b>             |                                   |                    |           |           |                  |       |               |   |            |                               |       |   |         |       |           |       |                  |                                 |       |
| Poorest                                  | 59.3                              | 3.1                | 14.5      | 9.1       | 14.1             | 100.0 | 1,855         | 41.7  | 48.8       | 9.5                           | 100.0 | 9.6   | 30.3    | 8.5   | 26.1      | 10.8  | 14.7             | 100.0                           | 755   |
| Second                                   | 53.5                              | 2.5                | 16.0      | 13.3      | 14.6             | 100.0 | 1,996         | 43.4  | 52.6       | 3.9                           | 100.0 | 3.3   | 35.9    | 13.7  | 29.1      | 12.5  | 5.4              | 100.0                           | 928   |
| Middle                                   | 56.4                              | 3.7                | 11.3      | 11.5      | 17.1             | 100.0 | 1,925         | 43.0  | 55.4       | 1.6                           | 100.0 | 4.0   | 35.4    | 14.7  | 27.1      | 17.9  | 0.9              | 100.0                           | 839   |
| Fourth                                   | 62.0                              | 1.1                | 10.7      | 11.3      | 14.9             | 100.0 | 1,824         | 55.0  | 44.6       | 0.5                           | 100.0 | 7.0   | 44.6    | 7.9   | 26.3      | 14.0  | 0.2              | 100.0                           | 693   |
| Richest                                  | 53.7                              | 1.1                | 10.1      | 10.6      | 24.4             | 100.0 | 1,852         | 65.6  | 31.9       | 2.5                           | 100.0 | 13.2  | 49.4    | 13.0  | 15.2      | 8.2   | 0.9              | 100.0                           | 857   |

<sup>A</sup> Moving within Bangkok or within the same municipality is not considered as migration.

( ) Figures that are based on 25-49 unweighted cases.

## 4.8 ICT

In Table SR.8.1 presents information on the household ownership of Information and Communication Technology (ICT) equipment (television, mobile telephone and computer) and access to internet.

| Table SR.8.1: Household ownership of ICT equipment and access to internet   |                                  |                           |            |             |             |                  |  |                      |
|---|----------------------------------|---------------------------|------------|-------------|-------------|------------------|--|----------------------|
| Percentage of households with a television, a mobile phone and a computer, and have access to the internet at home, Thailand, 2022  |                                  |                           |            |             |             |                  |  |                      |
|   | Percentage of households with a: |                           |            |             |             |                  | Percentage of households that have access to the internet at home <sup>4</sup> | Number of households |
|   | Television <sup>1</sup>          | Mobile phone <sup>2</sup> | Computer   |             |             |                  |  |                      |
|   |                                  |                           | Desktop    | Laptop      | Tablet      | Any <sup>3</sup> |  |                      |
| <b>Total</b>  | <b>89.7</b>                      | <b>96.0</b>               | <b>8.9</b> | <b>20.3</b> | <b>10.4</b> | <b>29.0</b>      | <b>82.6</b>  | <b>30,008</b>        |
| <b>Area</b>   |                                  |                           |            |             |             |                  |  |                      |
| Urban   | 88.5                             | 97.1                      | 11.8       | 24.5        | 12.2        | 35.3             | 86.5   | 16,455               |
| Rural   | 91.2                             | 94.5                      | 5.5        | 15.2        | 8.4         | 21.4             | 77.8   | 13,553               |
| <b>Region</b>   |                                  |                           |            |             |             |                  |  |                      |
| Bangkok   | 85.7                             | 98.8                      | 16.2       | 26.9        | 10.3        | 39.0             | 93.8   | 4,793                |
| Central   | 90.4                             | 97.0                      | 11.1       | 23.9        | 14.7        | 34.7             | 87.7   | 9,418                |
| North   | 91.0                             | 94.3                      | 8.7        | 19.8        | 8.9         | 27.6             | 74.7   | 4,693                |
| Northeast   | 93.4                             | 94.5                      | 3.6        | 14.5        | 7.1         | 19.7             | 74.6   | 7,269                |
| South   | 84.7                             | 94.6                      | 4.9        | 14.8        | 8.3         | 21.7             | 80.9   | 3,835                |
| <b>Education of household head</b>  |                                  |                           |            |             |             |                  |  |                      |
| Pre-primary or none   | 76.9                             | 87.0                      | 2.7        | 4.9         | 2.4         | 8.4              | 64.8   | 1,293                |
| Primary   | 91.3                             | 94.0                      | 4.1        | 10.0        | 5.6         | 15.7             | 74.1   | 14,703               |
| Lower secondary   | 88.6                             | 98.1                      | 8.3        | 13.6        | 8.8         | 24.1             | 89.6   | 3,560                |
| Upper secondary   | 90.6                             | 98.9                      | 11.5       | 21.4        | 13.4        | 33.4             | 92.1   | 4,172                |
| Higher  | 89.9                             | 99.3                      | 20.7       | 51.7        | 22.9        | 65.1             | 96.0   | 6,155                |
| DK/Missing  | 36.5                             | 95.6                      | 3.4        | 7.2         | 0.4         | 11.0             | 92.6   | 125                  |
| <b>Native language of household head</b>  |                                  |                           |            |             |             |                  |  |                      |
| Thai  | 91.2                             | 96.1                      | 9.4        | 21.1        | 10.9        | 30.1             | 83.1   | 28,373               |
| Non-Thai  | 64.6                             | 93.4                      | 1.5        | 6.9         | 3.4         | 8.7              | 74.8   | 1,635                |
| <b>Wealth index quintile</b>  |                                  |                           |            |             |             |                  |  |                      |
| Poorest   | 77.0                             | 85.6                      | 0.1        | 0.9         | 0.7         | 1.6              | 57.0   | 6,575                |
| Second  | 85.4                             | 97.2                      | 0.7        | 5.2         | 1.7         | 7.1              | 80.6   | 6,624                |
| Middle  | 93.4                             | 98.8                      | 4.1        | 14.9        | 5.2         | 22.6             | 89.1   | 6,097                |
| Fourth  | 97.6                             | 99.8                      | 10.2       | 26.8        | 11.6        | 41.3             | 93.6   | 5,649                |
| Richest   | 98.9                             | 100.0                     | 35.7       | 64.6        | 39.6        | 87.1             | 98.4   | 5,063                |
| <sup>1</sup> MICS indicator SR.5 - Households with a television<br><sup>2</sup> TH indicator SR.S1 - Households with a mobile phone<br><sup>3</sup> MICS indicator SR.7 - Households with a computer<br><sup>4</sup> MICS indicator SR.8 - Households with internet |                                  |                           |            |             |             |                  |  |                      |



#### 4.9 CHILDREN'S LIVING ARRANGEMENTS

The Convention on the Rights of the Child (CRC) recognizes that “the child, for the full and harmonious development of his or her personality, should grow up in a family environment, in an atmosphere of happiness, love and understanding”. Millions of children around the world grow up without the care of their parents for several reasons, including due to the premature death of the parents or their migration for work. In most cases, these children are cared for by members of their extended families, while in others, children may be living in households other than their own, as live-in domestic workers for instance. Understanding the children’s living arrangements, including the composition of the households in which they live and the relationships with their primary caregivers, is key to design targeted interventions aimed at promoting child’s care and wellbeing.

Table SR.9.1 presents information on the living arrangements and orphanhood status of children under age 18.

The Thailand MICS 2022 included a simple measure of one particular aspect of migration related to what is termed “children left behind”, i.e. for whom one or both parents have moved abroad. While the amount of literature is growing, the long-term effects of the benefits of remittances versus the potential adverse psycho-social effects are not yet conclusive, as there is somewhat conflicting evidence available as to the effects on children. Table SR.9.2 presents information on the living arrangements and co-residence with parents of children under age 18.

Table SR.9.3 presents information on children under age 18 years not living with a biological parent according to relationship to the head of household and those living in households headed by a family member. Table SR.9.4 presents information on children under age 18 years not living with a biological mother according to primary caretaker's relationship to child.

**Table SR.9.1: Children's living arrangements and orphanhood**

Percent distribution of children age 0-17 years according to living arrangements, percentage of children age 0-17 years not living with a biological parent and percentage of children who have one or both parents dead, Thailand, 2022

|  | Living with both parents | Living with neither biological parent |                   |             |            | Living with mother only |             | Living with father only |             | Missing information on father/mother | Total        | Not living with biological mother | Living with neither biological parent <sup>1</sup> | One or both parents dead <sup>2</sup> | Number of children age 0-17 years |
|--|--------------------------|---------------------------------------|-------------------|-------------|------------|-------------------------|-------------|-------------------------|-------------|--------------------------------------|--------------|-----------------------------------|--|---------------------------------------|-----------------------------------|
|  |                          | Only father alive                     | Only mother alive | Both alive  | Both dead  | Father alive            | Father dead | Mother alive            | Mother dead |                                      |              |                                   |  |                                       |                                   |
| <b>Total</b>                             | <b>50.2</b>              | <b>0.6</b>                            | <b>0.5</b>        | <b>23.3</b> | <b>0.1</b> | <b>16.7</b>             | <b>1.9</b>  | <b>4.9</b>              | <b>0.4</b>  | <b>1.3</b>                           | <b>100.0</b> | <b>30.8</b>                       | <b>24.6</b>  | <b>3.6</b>                            | <b>14,683</b>                     |
| <b>Sex</b>                               |                          |                                       |                   |             |            |                         |             |                         |             |                                      |              |                                   |  |                                       |                                   |
| Male                                     | 50.9                     | 0.5                                   | 0.5               | 22.8        | 0.2        | 16.1                    | 2.0         | 5.0                     | 0.5         | 1.5                                  | 100.0        | 30.5                              | 24.0   | 3.8                                   | 7,617                             |
| Female                                   | 49.5                     | 0.6                                   | 0.6               | 23.8        | 0.1        | 17.4                    | 1.7         | 4.7                     | 0.4         | 1.1                                  | 100.0        | 31.2                              | 25.1   | 3.4                                   | 7,066                             |
| <b>Area</b>                              |                          |                                       |                   |             |            |                         |             |                         |             |                                      |              |                                   |  |                                       |                                   |
| Urban                                    | 54.4                     | 0.6                                   | 0.5               | 20.3        | 0.2        | 15.4                    | 2.1         | 5.1                     | 0.4         | 1.0                                  | 100.0        | 27.9                              | 21.7   | 3.9                                   | 6,386                             |
| Rural                                    | 47.1                     | 0.6                                   | 0.6               | 25.6        | 0.1        | 17.7                    | 1.7         | 4.7                     | 0.4         | 1.5                                  | 100.0        | 33.1                              | 26.8   | 3.4                                   | 8,298                             |
| <b>Region</b>                            |                          |                                       |                   |             |            |                         |             |                         |             |                                      |              |                                   |  |                                       |                                   |
| Bangkok                                  | 62.4                     | 0.0                                   | 0.5               | 14.5        | 0.0        | 13.6                    | 2.2         | 5.7                     | 0.4         | 0.8                                  | 100.0        | 21.7                              | 15.0   | 3.2                                   | 1,348                             |
| Central                                  | 54.2                     | 0.5                                   | 0.3               | 20.0        | 0.3        | 14.5                    | 1.6         | 6.2                     | 0.5         | 1.6                                  | 100.0        | 29.1                              | 21.2   | 3.5                                   | 3,973                             |
| North                                    | 47.1                     | 0.6                                   | 1.3               | 22.8        | 0.1        | 18.6                    | 3.0         | 4.3                     | 0.4         | 1.8                                  | 100.0        | 30.9                              | 24.8   | 5.4                                   | 2,361                             |
| Northeast                                | 38.5                     | 0.6                                   | 0.5               | 34.3        | 0.1        | 18.8                    | 1.1         | 4.4                     | 0.3         | 1.3                                  | 100.0        | 41.1                              | 35.5   | 2.7                                   | 4,595                             |
| South                                    | 62.3                     | 0.9                                   | 0.3               | 13.1        | 0.1        | 16.2                    | 2.3         | 3.8                     | 0.7         | 0.5                                  | 100.0        | 19.2                              | 14.4   | 4.2                                   | 2,406                             |
| <b>Age</b>                               |                          |                                       |                   |             |            |                         |             |                         |             |                                      |              |                                   |  |                                       |                                   |
| 0-4                                      | 58.6                     | 0.2                                   | 0.2               | 20.0        | 0.0        | 17.4                    | 0.4         | 2.5                     | 0.1         | 0.6                                  | 100.0        | 23.4                              | 20.4   | 0.9                                   | 3,167                             |
| 5-9                                      | 49.8                     | 0.4                                   | 0.3               | 24.7        | 0.1        | 17.0                    | 1.0         | 5.5                     | 0.3         | 0.9                                  | 100.0        | 31.9                              | 25.5   | 2.1                                   | 4,197                             |
| 10-14                                    | 46.5                     | 0.9                                   | 0.8               | 24.4        | 0.1        | 16.3                    | 2.4         | 6.3                     | 0.6         | 1.9                                  | 100.0        | 34.3                              | 26.1   | 4.8                                   | 4,596                             |
| 15-17                                    | 47.5                     | 0.9                                   | 1.0               | 23.0        | 0.5        | 16.2                    | 4.0         | 4.4                     | 0.7         | 1.9                                  | 100.0        | 32.1                              | 25.4   | 7.3                                   | 2,723                             |
| <b>Native language of household head</b> |                          |                                       |                   |             |            |                         |             |                         |             |                                      |              |                                   |  |                                       |                                   |
| Thai                                     | 48.8                     | 0.6                                   | 0.6               | 24.0        | 0.1        | 16.9                    | 1.8         | 5.1                     | 0.4         | 1.4                                  | 100.0        | 32.0                              | 25.4   | 3.7                                   | 13,382                            |
| Non-Thai                                 | 64.4                     | 0.1                                   | 0.3               | 15.8        | 0.1        | 14.5                    | 1.9         | 2.3                     | 0.3         | 0.2                                  | 100.0        | 19.1                              | 16.3   | 2.8                                   | 1,301                             |
| <b>Wealth index quintile</b>             |                          |                                       |                   |             |            |                         |             |                         |             |                                      |              |                                   |  |                                       |                                   |
| Poorest                                  | 43.3                     | 0.9                                   | 0.5               | 29.8        | 0.2        | 16.8                    | 1.8         | 3.7                     | 0.6         | 2.3                                  | 100.0        | 37.2                              | 31.4   | 4.2                                   | 3,112                             |
| Second                                   | 42.7                     | 0.6                                   | 0.6               | 29.7        | 0.0        | 17.1                    | 2.3         | 5.5                     | 0.3         | 1.3                                  | 100.0        | 37.7                              | 30.9   | 3.7                                   | 3,145                             |
| Middle                                   | 47.4                     | 0.8                                   | 0.9               | 25.1        | 0.0        | 17.1                    | 1.7         | 5.8                     | 0.1         | 1.1                                  | 100.0        | 33.4                              | 26.8   | 3.6                                   | 2,931                             |
| Fourth                                   | 53.5                     | 0.6                                   | 0.6               | 18.0        | 0.4        | 17.8                    | 1.2         | 6.2                     | 0.7         | 1.1                                  | 100.0        | 27.3                              | 19.5   | 3.5                                   | 2,815                             |
| Richest                                  | 66.7                     | 0.1                                   | 0.1               | 11.8        | 0.0        | 14.7                    | 2.2         | 3.3                     | 0.5         | 0.7                                  | 100.0        | 16.4                              | 12.0   | 2.9                                   | 2,681                             |

<sup>1</sup> MICS indicator SR.18 - Children's living arrangements

<sup>2</sup> MICS indicator SR.19 - Prevalence of children with one or both parents dead

**Table SR.9.2: Children's living arrangements and co-residence with parents**

Percentage of children age 0-17 years by coresidence of parents, Thailand, 2022

|  | Percentage of children age 0-17 years with: |   |  |   |                      |                      |                                 |  | Number of children age 0-17 years |
|--|---|---|--|---|----------------------|----------------------|---------------------------------|--|-----------------------------------|
|  | Mother is living elsewhere <sup>A</sup>     | Father is living elsewhere <sup>A</sup> | Both mother and father are living elsewhere <sup>A</sup> | At least one parent living elsewhere <sup>A</sup> | Mother living abroad | Father living abroad | Mother and father living abroad | At least one parent living abroad <sup>1</sup> |                                   |
| <b>Total</b>                             | <b>6.1</b>                                  | <b>17.0</b>                             | <b>22.6</b>  | <b>45.8</b>                                       | <b>0.5</b>           | <b>1.0</b>           | <b>0.4</b>                      | <b>1.9</b>                                     | <b>14,683</b>                     |
| <b>Sex</b>                               |   |   |  |   |                      |                      |                                 |  |                                   |
| Male                                     | 6.1   | 16.5                                    | 22.1   | 44.8  | 0.4                  | 1.1                  | 0.3                             | 1.9  | 7,617                             |
| Female                                   | 6.1   | 17.6                                    | 23.1   | 46.8  | 0.6                  | 0.8                  | 0.5                             | 1.9  | 7,066                             |
| <b>Area</b>                              |   |   |  |   |                      |                      |                                 |  |                                   |
| Urban                                    | 6.2   | 15.4                                    | 19.5   | 41.1  | 0.4                  | 0.6                  | 0.3                             | 1.3  | 6,386                             |
| Rural                                    | 6.1   | 18.3                                    | 25.0   | 49.4  | 0.7                  | 1.2                  | 0.4                             | 2.3  | 8,298                             |
| <b>Region</b>                            |   |   |  |   |                      |                      |                                 |  |                                   |
| Bangkok                                  | 6.0   | 13.2                                    | 14.0   | 33.2  | 0.1                  | 0.4                  | 0.0                             | 0.5  | 1,348                             |
| Central                                  | 7.5   | 14.5                                    | 19.0   | 40.9  | 0.3                  | 0.0                  | 0.1                             | 0.4  | 3,973                             |
| North                                    | 6.6   | 18.9                                    | 22.6   | 48.1  | 0.9                  | 1.2                  | 0.6                             | 2.7  | 2,361                             |
| Northeast                                | 5.7   | 19.3                                    | 33.5   | 58.5  | 0.9                  | 1.8                  | 0.6                             | 3.3  | 4,595                             |
| South                                    | 4.4   | 17.1                                    | 12.8   | 34.3  | 0.1                  | 0.8                  | 0.6                             | 1.6  | 2,406                             |
| <b>Age</b>                               |   |   |  |   |                      |                      |                                 |  |                                   |
| 0-4                                      | 3.0   | 17.3                                    | 19.8   | 40.2  | 0.2                  | 1.3                  | 0.4                             | 1.9  | 3,167                             |
| 5-9                                      | 6.3   | 17.5                                    | 23.9   | 47.6  | 0.6                  | 1.2                  | 0.7                             | 2.5  | 4,197                             |
| 10-14                                    | 7.9   | 16.5                                    | 23.7   | 48.0  | 0.7                  | 0.7                  | 0.3                             | 1.7  | 4,596                             |
| 15-17                                    | 6.6   | 17.0                                    | 22.1   | 45.7  | 0.4                  | 0.7                  | 0.1                             | 1.2  | 2,723                             |
| <b>Orphanhood status</b>                 |   |   |  |   |                      |                      |                                 |  |                                   |
| Both parents alive                       | 5.4   | 17.2                                    | 23.7   | 46.4  | 0.5                  | 1.0                  | 0.4                             | 1.9  | 14,006                            |
| Only mother alive                        | 21.5  | 0.0                                     | 0.0  | 21.5  | 0.8                  | 0.0                  | 0.0                             | 0.8  | 353                               |
| Only father alive                        | 0.0   | 55.3                                    | 0.0  | 55.3  | 0.0                  | 1.0                  | 0.0                             | 1.0  | 150                               |
| Both parents deceased                    | (*)   | (*)                                     | (*)  | (*)   | (*)                  | (*)                  | (*)                             | (*)  | 21                                |
| Unknown                                  | 42.6  | 3.2                                     | 0.0  | 45.8  | 0.6                  | 0.0                  | 0.0                             | 0.6  | 153                               |
| <b>Native language of household head</b> |   |   |  |   |                      |                      |                                 |  |                                   |
| Thai                                     | 6.4   | 17.3                                    | 23.4   | 47.0  | 0.5                  | 0.9                  | 0.3                             | 1.7  | 13,382                            |
| Non-Thai                                 | 3.7   | 14.3                                    | 14.8   | 32.8  | 0.4                  | 2.0                  | 1.2                             | 3.6  | 1,301                             |
| <b>Wealth index quintile</b>             |   |   |  |   |                      |                      |                                 |  |                                   |
| Poorest                                  | 5.1   | 17.5                                    | 28.8   | 51.5  | 1.0                  | 1.5                  | 0.4                             | 3.0  | 3,112                             |
| Second                                   | 7.1   | 17.6                                    | 29.0   | 53.6  | 0.4                  | 0.8                  | 0.6                             | 1.8  | 3,145                             |
| Middle                                   | 7.2   | 17.6                                    | 24.6   | 49.4  | 0.1                  | 1.3                  | 0.4                             | 1.9  | 2,931                             |
| Fourth                                   | 7.4   | 17.7                                    | 17.5   | 42.6  | 0.7                  | 0.6                  | 0.2                             | 1.5  | 2,815                             |
| Richest                                  | 3.7   | 14.5                                    | 11.2   | 29.4  | 0.4                  | 0.5                  | 0.4                             | 1.2  | 2,681                             |

<sup>1</sup> MICS indicator SR.20 - Children with at least one parent living abroad

<sup>A</sup> Includes parent(s) living abroad as well as those living elsewhere in the country

(\*) Figures that are based on less than 25 unweighted cases.



**Table SR.9.3: Children not in parental care (continued)**

Percent distribution of children age 0-17 years not living with a biological parent according to relationship to head of household and percentage living in households headed by a family member, Thailand, 2022

|  | Percentage of children living with neither biological parent <sup>1</sup> | Number of children age 0-17 years | Child's relationship to head of household |                 |             |                 |                |                            |                   |                                   | Total | Percentage of children living in households headed by a family member <sup>A</sup> | Number of children age 0-17 years not living with a biological parent |
|--|---|-----------------------------------|---|-----------------|-------------|-----------------|----------------|----------------------------|-------------------|-----------------------------------|-------|--|---|
|  |   |                                   | Child is head of household                | Spouse/ Partner | Grand-child | Brother/ Sister | Other relative | Adopted/ Foster/ Stepchild | Other not related | Inconsistent/ Don't know/ Missing |       |  |   |
| <b>Native language of household head</b>   |   |                                   |   |                 |             |                 |                |                            |                   |                                   |       |  |   |
| Thai   | 25.4  | 13,382                            | 1.0                                       | 0.2             | 78.3        | 0.9             | 17.2           | 1.3                        | 0.5               | 0.6                               | 100.0 | 97.9   | 3,397   |
| Non-Thai   | 16.3  | 1,301                             | 1.1                                       | 0.5             | 82.4        | 0.7             | 13.6           | 0.6                        | 0.8               | 0.4                               | 100.0 | 97.7   | 212   |
| <b>Wealth index quintile</b>   |   |                                   |   |                 |             |                 |                |                            |                   |                                   |       |  |   |
| Poorest  | 31.4  | 3,112                             | 1.1                                       | 0.1             | 83.6        | 0.3             | 13.0           | 1.4                        | 0.3               | 0.2                               | 100.0 | 98.4   | 979   |
| Second   | 30.9  | 3,145                             | 2.1                                       | 0.5             | 77.4        | 1.2             | 17.0           | 0.5                        | 0.6               | 0.6                               | 100.0 | 96.7   | 973   |
| Middle   | 26.8  | 2,931                             | 0.6                                       | 0.0             | 83.1        | 1.1             | 13.7           | 0.8                        | 0.3               | 0.5                               | 100.0 | 98.6   | 785   |
| Fourth   | 19.5  | 2,815                             | 0.2                                       | 0.0             | 73.4        | 0.7             | 20.9           | 2.3                        | 1.4               | 1.1                               | 100.0 | 97.4   | 550   |
| Richest  | 12.0  | 2,681                             | 0.0                                       | 0.0             | 64.8        | 2.2             | 29.9           | 1.9                        | 0.0               | 1.1                               | 100.0 | 98.8   | 322   |
| <sup>1</sup> MICS indicator SR.18 - Children's living arrangements   |   |                                   |   |                 |             |                 |                |                            |                   |                                   |       |  |   |
| <sup>A</sup> Excludes households headed by the child, servants and other not related<br>na: not applicable<br>(*) Figures that are based on less than 25 unweighted cases. |   |                                   |   |                 |             |                 |                |                            |                   |                                   |       |  |   |

| Table SR.9.4: Primary caretaker's relationship to the child  |   |             |                      |                      |                          |                      |                |                   |              |             |   |   |
|--|---|-------------|----------------------|----------------------|--------------------------|----------------------|----------------|-------------------|--------------|-------------|---|---|
| Percent distribution of children age 0-17 years not living with a biological mother according to primary caretaker's relationship to child, Thailand, 2022 |   |             |                      |                      |                          |                      |                |                   |              |             |   |   |
|  | Primary caretaker's relationship to child |             |                      |                      |                          |                      |                |                   |              | Total       | Percentage of children not living with mother whose primary caretaker is the grandparent <sup>1</sup> | Number of children age 0-17 years not living with a biological mother |
|  | Child is head of household                | Father      | Paternal grandparent | Maternal grandparent | Parents' brother/ sister | Older brother/sister | Other relative | Other not related |              |             |   |   |
| <b>Total</b>   | <b>1.8</b>                                | <b>12.0</b> | <b>28.4</b>          | <b>42.2</b>          | <b>8.2</b>               | <b>0.8</b>           | <b>5.4</b>     | <b>1.1</b>        | <b>100.0</b> | <b>70.6</b> | <b>4,476</b>  |   |
| <b>Sex</b>   |   |             |                      |                      |                          |                      |                |                   |              |             |   |   |
| Male   | 1.5                                       | 12.5        | 30.5                 | 40.1                 | 7.4                      | 1.0                  | 5.9            | 1.2               | 100.0        | 70.6        | 2,296   |   |
| Female   | 2.1                                       | 11.4        | 26.3                 | 44.4                 | 9.1                      | 0.7                  | 5.0            | 1.0               | 100.0        | 70.7        | 2,180   |   |
| <b>Area</b>  |   |             |                      |                      |                          |                      |                |                   |              |             |   |   |
| Urban  | 2.5                                       | 14.2        | 28.2                 | 35.6                 | 9.5                      | 1.1                  | 7.3            | 1.7               | 100.0        | 63.8        | 1,758   |   |
| Rural  | 1.3                                       | 10.5        | 28.6                 | 46.5                 | 7.4                      | 0.7                  | 4.2            | 0.7               | 100.0        | 75.1        | 2,718   |   |
| <b>Region</b>  |   |             |                      |                      |                          |                      |                |                   |              |             |   |   |
| Bangkok  | 3.8                                       | 21.0        | 23.4                 | 27.0                 | 12.9                     | 0.8                  | 8.8            | 2.2               | 100.0        | 50.4        | 290   |   |
| Central  | 2.1                                       | 15.2        | 30.2                 | 34.6                 | 9.1                      | 0.8                  | 6.6            | 1.3               | 100.0        | 64.7        | 1,143   |   |
| North  | 1.1                                       | 12.4        | 32.9                 | 41.3                 | 4.2                      | 1.1                  | 5.1            | 1.9               | 100.0        | 74.2        | 714   |   |
| Northeast  | 1.3                                       | 7.1         | 26.7                 | 51.7                 | 7.7                      | 0.7                  | 4.3            | 0.5               | 100.0        | 78.4        | 1,873   |   |
| South  | 2.8                                       | 17.3        | 27.4                 | 33.4                 | 11.6                     | 1.1                  | 5.5            | 1.0               | 100.0        | 60.8        | 456   |   |
| <b>Age</b>   |   |             |                      |                      |                          |                      |                |                   |              |             |   |   |
| 0-4  | 0.0                                       | 5.7         | 32.5                 | 51.6                 | 5.3                      | 0.1                  | 4.2            | 0.6               | 100.0        | 84.1        | 738   |   |
| 5-9  | 0.0                                       | 11.0        | 30.1                 | 45.2                 | 7.8                      | 0.5                  | 4.8            | 0.7               | 100.0        | 75.3        | 1,324   |   |
| 10-14  | 0.0                                       | 15.5        | 27.3                 | 39.6                 | 9.7                      | 0.9                  | 6.0            | 1.1               | 100.0        | 66.8        | 1,552   |   |
| 15-17  | 9.3                                       | 12.6        | 24.5                 | 34.4                 | 8.8                      | 1.9                  | 6.5            | 2.0               | 100.0        | 58.8        | 862   |   |
| <b>Orphanhood status</b>   |   |             |                      |                      |                          |                      |                |                   |              |             |   |   |
| Both parents alive   | 1.8                                       | 11.4        | 29.3                 | 42.2                 | 8.3                      | 0.9                  | 5.1            | 1.1               | 100.0        | 71.5        | 4,153   |   |
| Only mother alive  | 7.7                                       | 0.1         | 30.1                 | 48.1                 | 8.1                      | 0.8                  | 4.6            | 0.5               | 100.0        | 78.2        | 81  |   |
| Only father alive  | 0.4                                       | 40.5        | 14.7                 | 30.5                 | 6.0                      | 0.7                  | 7.2            | 0.0               | 100.0        | 45.2        | 150   |   |
| Both parents deceased  | (*)                                       | (*)         | (*)                  | (*)                  | (*)                      | (*)                  | (*)            | (*)               | 100.0        | (*)         | 21  |   |
| Unknown  | 0.9                                       | 2.9         | 15.0                 | 59.7                 | 6.6                      | 0.0                  | 12.5           | 2.4               | 100.0        | 74.7        | 71  |   |

| <b>Table SR.9.4: Primary caretaker's relationship to the child (continued)</b>   |  |        |                      |                      |                          |                      |                |                   |       |       |   |   |
|--|--|--------|----------------------|----------------------|--------------------------|----------------------|----------------|-------------------|-------|-------|---|---|
| Percent distribution of children age 0-17 years not living with a biological mother according to primary caretaker's relationship to child, Thailand, 2022 |  |        |                      |                      |                          |                      |                |                   |       |       |   |   |
|  | <b>Primary caretaker's relationship to child</b> |        |                      |                      |                          |                      |                |                   |       | Total | Percentage of children not living with mother whose primary caretaker is the grandparent <sup>1</sup> | Number of children age 0-17 years not living with a biological mother |
|  | Child is head of household                       | Father | Paternal grandparent | Maternal grandparent | Parents' brother/ sister | Older brother/sister | Other relative | Other not related |       |       |   |   |
| <b>Native language of household head</b>   |  |        |                      |                      |                          |                      |                |                   |       |       |   |   |
| Thai   | 1.8  | 12.2   | 28.6                 | 41.7                 | 8.5                      | 0.9                  | 5.3            | 1.1               | 100.0 | 70.2  | 4,229   |   |
| Non-Thai   | 2.3  | 7.7    | 26.2                 | 51.3                 | 3.7                      | 0.6                  | 7.8            | 0.4               | 100.0 | 77.4  | 247   |   |
| <b>Wealth index quintile</b>   |  |        |                      |                      |                          |                      |                |                   |       |       |   |   |
| Poorest  | 1.8  | 8.4    | 26.5                 | 52.6                 | 5.1                      | 0.3                  | 4.7            | 0.7               | 100.0 | 79.0  | 1,139   |   |
| Second   | 3.5  | 9.8    | 28.4                 | 42.6                 | 10.4                     | 1.1                  | 3.7            | 0.4               | 100.0 | 71.0  | 1,175   |   |
| Middle   | 1.4  | 12.7   | 29.7                 | 44.3                 | 5.0                      | 0.9                  | 5.6            | 0.4               | 100.0 | 74.0  | 975   |   |
| Fourth   | 0.2  | 15.7   | 32.5                 | 28.0                 | 11.1                     | 0.8                  | 7.7            | 4.1               | 100.0 | 60.4  | 759   |   |
| Richest  | 0.5  | 19.2   | 23.7                 | 34.0                 | 12.7                     | 1.7                  | 8.0            | 0.2               | 100.0 | 57.7  | 428   |   |
| <b><sup>1</sup> TH indicator SR.S2 - Grandparent as a primary caregiver</b>  |  |        |                      |                      |                          |                      |                |                   |       |       |   |   |
| (*) Figures that are based on less than 25 unweighted cases  |  |        |                      |                      |                          |                      |                |                   |       |       |   |   |

## CHAPTER 5 THRIVE – REPRODUCTIVE AND MATERNAL HEALTH

### 5.1 FERTILITY

Measures of current fertility are presented in Table TM.1.1 for the one-year period preceding the survey. The current fertility measures, presented in the table by urban and rural residence, are as follows:

- Age-specific fertility rates (ASFRs), expressed as the number of births per 1,000 women in a specified age group, show the age pattern of fertility. Numerators for ASFRs are calculated by identifying live births that occurred in the one-year period preceding the survey, classified according to the age of the mother (in five-year age groups) at the time of the child's birth. Denominators of the rates represent the number of woman-years lived by all interviewed women (or in simplified terms, the average number of women) in each of the five-year age groups during the specified period.
- The total fertility rate (TFR) is a synthetic measure that denotes the number of live births a woman would have if she were subject to the current age-specific fertility rates throughout her reproductive years (15-49 years).
- The general fertility rate (GFR) is the number of live births occurring during the specified period per 1,000 women age 15-49.
- The crude birth rate (CBR) is the number of live births per 1,000 household population during the specified period.

**Table TM.1.1: Fertility rates**

Adolescent birth rate, age-specific and total fertility rates, the general fertility rate, and the crude birth rate for the one-year period preceding the survey, by area of residence, Thailand, 2022

|                                | Urban | Rural | Total |
|--------------------------------|-------|-------|-------|
| <b>Age<sup>A</sup></b>         |       |       |       |
| 15-19 <sup>1</sup>             | 19    | 17    | 18    |
| 20-24                          | 51    | 64    | 56    |
| 25-29                          | 32    | 66    | 46    |
| 30-34                          | 37    | 52    | 43    |
| 35-39                          | 34    | 32    | 33    |
| 40-44                          | 3     | 9     | 6     |
| 45-49                          | 0     | 0     | 0     |
| TFR (15-49 years) <sup>B</sup> | 0.9   | 1.2   | 1.0   |
| GFR <sup>C</sup>               | 24.2  | 31.2  | 27.3  |
| CBR <sup>D</sup>               | 5.5   | 6.0   | 5.8   |

<sup>1</sup> MICS indicator TM.1 - Adolescent birth rate (age 15-19 years); SDG indicator 3.7.2

<sup>A</sup> The age-specific fertility rates (ASFR) are the number of live births, divided by the average number of women in that age group during the same period, expressed per 1,000 women. The age-specific fertility rate for women age 15-19 years is also termed as the adolescent birth rate

<sup>B</sup> TFR: The Total Fertility Rate is the sum of age-specific fertility rates of women age 15-49 years. The TFR denotes the average number of children to which a woman will have given birth by the end of her reproductive years (by age 50) if current fertility rates prevailed. The rate is expressed per woman age 15-49 years

<sup>C</sup> GFR: The General Fertility Rate is the number of births divided by the average number of women age 15-49 years during the same period, expressed per 1,000 women age 15-49 years

<sup>D</sup> CBR: The Crude Birth Rate is the number of births, divided by the total population during the same period, expressed per 1,000 population



Table TM.1.2 presents percentage of women age 15-49 years who have ever been pregnant.

| <b>Table TM.1.2: Pregnancy</b>  |   |                    |                    |                                 |
|---|---|--------------------|--------------------|---------------------------------|
| Percentage of women age 15-49 years who have ever been pregnant, Thailand, 2022 |   |                    |                    |                                 |
|   | Percentage of women who have ever been pregnant |                    |                    | Number of women age 15-49 years |
|   | Have had a live birth                           | With no live birth | Total <sup>1</sup> |                                 |
| <b>Total</b>  | <b>54.3</b>                                     | <b>1.4</b>         | <b>55.7</b>        | <b>21,089</b>                   |
| <b>Area</b>   |   |                    |                    |                                 |
| Urban   | 49.3  | 1.5                | 50.8               | 11,566                          |
| Rural   | 60.3  | 1.3                | 61.6               | 9,523                           |
| <b>Region</b>   |   |                    |                    |                                 |
| Bangkok   | 40.8  | 0.9                | 41.7               | 3,464                           |
| Central   | 49.8  | 1.7                | 51.5               | 7,165                           |
| North   | 62.1  | 2.2                | 64.3               | 2,837                           |
| Northeast   | 61.6  | 0.9                | 62.5               | 4,778                           |
| South   | 62.0  | 1.1                | 63.1               | 2,846                           |
| <b>Age</b>  |   |                    |                    |                                 |
| 15-19   | 4.2   | 1.2                | 5.4                | 2,442                           |
| 15-17   | 1.6   | 0.9                | 2.6                | 1,583                           |
| 18-19   | 8.9   | 1.6                | 10.6               | 860                             |
| 20-24   | 25.0  | 1.4                | 26.4               | 2,152                           |
| 25-29   | 37.2  | 2.6                | 39.7               | 3,073                           |
| 30-34   | 59.2  | 2.3                | 61.5               | 3,004                           |
| 35-39   | 69.3  | 0.7                | 70.0               | 3,146                           |
| 40-44   | 76.8  | 0.8                | 77.6               | 3,494                           |
| 45-49   | 80.1  | 0.9                | 80.9               | 3,778                           |
| <b>Education</b>  |   |                    |                    |                                 |
| Pre-primary or none   | 70.0  | 2.3                | 72.3               | 435                             |
| Primary   | 84.2  | 0.9                | 85.0               | 3,238                           |
| Lower secondary   | 69.4  | 1.4                | 70.8               | 3,817                           |
| Upper secondary   | 48.4  | 0.7                | 49.1               | 5,457                           |
| Higher  | 38.5  | 1.9                | 40.5               | 8,012                           |
| DK/Missing  | 32.7  | 1.9                | 34.6               | 130                             |
| <b>Native language of household head</b>  |   |                    |                    |                                 |
| Thai  | 53.5  | 1.4                | 54.8               | 19,592                          |
| Non-Thai  | 64.9  | 1.5                | 66.4               | 1,497                           |
| <b>Wealth index quintile</b>  |   |                    |                    |                                 |
| Poorest   | 67.6  | 1.5                | 69.1               | 3,223                           |
| Second  | 55.5  | 1.1                | 56.6               | 4,185                           |
| Middle  | 52.3  | 1.2                | 53.5               | 4,358                           |
| Fourth  | 53.9  | 1.4                | 55.3               | 4,431                           |
| Richest   | 46.7  | 1.7                | 48.3               | 4,891                           |

<sup>1</sup> TH indicator TM.S1 - Ever been pregnant

## 5.2 EARLY CHILDBEARING

Table TM.2.1 presents the survey findings on adolescent birth rates and further disaggregates of the total fertility rate.

The adolescent birth rate (age-specific fertility rate for women age 15-19) is defined as the number of births to women age 15-19 years during the one-year period preceding the survey, divided by the average number of women age 15-19 (number of women-years lived between ages 15 through 19, inclusive) during the same period, expressed per 1,000 women.

The adolescent birth rate is a Global SDG indicator (3.7.2) for ensuring universal access to sexual and reproductive health-care services (Target 3.7).

Tables TM.2.2W and TM.2.2M present a selection of early childbearing and fatherhood indicators for young women and men age 15-19 and 20-24 years. In Table TM.2.2W, percentages among women age 15-19 who have had a live birth and those who are pregnant with their first child are presented. For the same age group, the table also presents the percentage of women who have had a live birth before age 15.

To estimate the proportion of women who have had a live birth before age 18 – when they were still children themselves – data based on women age 20-24 years at the time of survey are used to avoid truncation.<sup>1</sup>

Table TM.2.2M presents findings on early fatherhood. Percentages among men age 15-19 and age 20-24 years who became fathers before ages 15 and 18, respectively, show the extent to which men are becoming fathers when they are still children.

Tables TM.2.3W and TM.2.3M are designed to look at trends in early childbearing for women and early fatherhood for men, by presenting percentages of women and men who became mothers and fathers before ages 15 and 18, for successive age cohorts. The table is designed to capture trends in urban and rural areas separately.

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<sup>1</sup> Using women age 15-19 to estimate the percentage who had given birth before age 18 would introduce truncation to the estimates, since the majority of women in this age group will not have completed age 18, and therefore will not have completed exposure to childbearing before age 18. The age group 20-24 is used to estimate the percentage of women giving birth before age 18, since all women in this age group have completed exposure to childbearing at very early ages.

**Table TM.2.1: Adolescent birth rate and total fertility rate**

Adolescent birth rates and total fertility rates for the one-year period preceding the survey, Thailand, 2022

|  | Adolescent birth rate <sup>1</sup><br>(Age-specific fertility rate for women age 15-19 years) <sup>A</sup> | Total fertility rate<br>(women age 15-49 years) <sup>A</sup> |
|--|--|--|
| <b>Total</b>                             | <b>18</b>  | <b>1.0</b>   |
| <b>Area</b>                              |  |  |
| Urban                                    | 19   | 0.9  |
| Rural                                    | 17   | 1.2  |
| <b>Region</b>                            |  |  |
| Bangkok                                  | (22)   | 0.6  |
| Central                                  | 17   | 1.0  |
| North                                    | 22   | 0.8  |
| Northeast                                | 15   | 1.2  |
| South                                    | 17   | 1.6  |
| <b>Education</b>                         |  |  |
| Pre-primary or none                      | (*)  | 2.8  |
| Primary                                  | (93)   | 2.0  |
| Lower secondary                          | 70   | 1.4  |
| Upper secondary                          | 11   | 1.1  |
| Higher                                   | 0  | 0.7  |
| <b>Native language of household head</b> |  |  |
| Thai                                     | 17   | 0.9  |
| Non-Thai                                 | 30   | 1.7  |
| <b>Wealth index quintile</b>             |  |  |
| Poorest                                  | 30   | 1.6  |
| Second                                   | 27   | 1.1  |
| Middle                                   | 24   | 1.0  |
| Fourth                                   | 3  | 0.7  |
| Richest                                  | 2  | 0.8  |

<sup>1</sup> MICS indicator TM.1 - Adolescent birth rate (age 15-19 years);SDG indicator 3.7.2<sup>A</sup> Please see Table TM.1.1 for definitions.

( ) Based on 125-249 unweighted women years of exposure.

(\*) Figures based on less than 125 unweighted women years of exposure.

**Table TM.2.2W: Early childbearing (young women)**

Percentage of women age 15-19 years who have had a live birth, are pregnant with the first child, have had a live birth or are pregnant with first child, and who have had a live birth before age 15, and percentage of women age 20-24 years who have had a live birth before age 18, Thailand, 2022

|  | Percentage of women age 15-19 years who: |                               |  |                                     | Number of women age 15-19 years | Percentage of women age 20-24 years who have had a live birth before age 18 <sup>1</sup> |  |
|--|--|-------------------------------|--|-------------------------------------|---------------------------------|--|--|
|  | Have had a live birth                    | Are pregnant with first child | Have had a live birth or are pregnant with first child | Have had a live birth before age 15 |                                 | Number of women age 20-24 years  | Percentage of women age 20-24 years who have had a live birth before age 18 <sup>1</sup> |
| <b>Total</b>                             | <b>4.2</b>                               | <b>1.2</b>                    | <b>5.4</b>   | <b>0.4</b>                          | <b>2,442</b>                    | <b>6.8</b>   | <b>2,152</b>   |
| <b>Area</b>                              |  |                               |  |                                     |                                 |  |  |
| Urban                                    | 3.8                                      | 2.0                           | 5.8  | 0.2                                 | 1,161                           | 4.5  | 1,249  |
| Rural                                    | 4.5                                      | 0.4                           | 5.0  | 0.6                                 | 1,281                           | 10.1   | 903  |
| <b>Region</b>                            |  |                               |  |                                     |                                 |  |  |
| Bangkok                                  | 3.0                                      | 0.0                           | 3.0  | 0.0                                 | 271                             | 4.1  | 432  |
| Central                                  | 3.5                                      | 2.5                           | 6.0  | 0.2                                 | 703                             | 6.4  | 726  |
| North                                    | 5.7                                      | 0.3                           | 5.9  | 0.5                                 | 370                             | 8.5  | 228  |
| Northeast                                | 4.0                                      | 1.0                           | 5.0  | 1.0                                 | 732                             | 8.7  | 473  |
| South                                    | 5.4                                      | 0.8                           | 6.2  | 0.1                                 | 367                             | 7.8  | 294  |
| <b>Education</b>                         |  |                               |  |                                     |                                 |  |  |
| Pre-primary or none                      | (8.7)                                    | (0.0)                         | (8.7)  | (0.5)                               | 27                              | (6.9)  | 31   |
| Primary                                  | 31.8                                     | 2.4                           | 34.2   | 2.4                                 | 62                              | 27.5   | 116  |
| Lower secondary                          | 12.5                                     | 5.6                           | 18.1   | 2.0                                 | 420                             | 21.5   | 334  |
| Upper secondary                          | 1.7                                      | 0.2                           | 2.0  | 0.0                                 | 1,587                           | 5.8  | 484  |
| Higher                                   | 0.0                                      | 0.0                           | 0.0  | 0.0                                 | 345                             | 1.1  | 1,168  |
| <b>Native language of household head</b> |  |                               |  |                                     |                                 |  |  |
| Thai                                     | 4.2                                      | 1.1                           | 5.3  | 0.5                                 | 2,275                           | 6.9  | 1,970  |
| Non-Thai                                 | 4.8                                      | 1.8                           | 6.6  | 0.1                                 | 168                             | 6.5  | 182  |
| <b>Wealth index quintile</b>             |  |                               |  |                                     |                                 |  |  |
| Poorest                                  | 6.8                                      | 1.8                           | 8.6  | 0.2                                 | 473                             | 11.7   | 359  |
| Second                                   | 4.9                                      | 0.9                           | 5.8  | 0.3                                 | 589                             | 9.9  | 476  |
| Middle                                   | 6.1                                      | 0.1                           | 6.2  | 1.6                                 | 469                             | 5.2  | 452  |
| Fourth                                   | 2.5                                      | 3.2                           | 5.7  | 0.1                                 | 423                             | 6.1  | 420  |
| Richest                                  | 0.4                                      | 0.1                           | 0.6  | 0.0                                 | 487                             | 2.0  | 446  |

<sup>1</sup> MICS indicator TM.2 - Early childbearing

( ) Figures that are based on 25-49 unweighted cases.

Note: The category of 'DK/Missing' in the background characteristics of 'Education' has been suppressed from the table due to small number of unweighted cases.

**Table TM.2.2M: Early fatherhood (young men)**

Percentage of men age 15-19 years who have fathered a live birth and who have fathered a live birth before age 15, and percentage of men age 20-24 years who have fathered a live birth before age 18, Thailand, 2022

|  | Percentage of men age 15-19 years<br>who have: |  |                                  | Percentage of men<br>age 20-24 years<br>who have fathered<br>a live birth before<br>age 18 |              |
|--|--|--|----------------------------------|--|--------------|
|  | Fathered<br>a live birth                       | Fathered a live birth<br>before age 15 | Number of men<br>age 15-19 years | Number of men<br>age 20-24 years   |              |
| <b>Total</b>                             | <b>1.3</b>                                     | <b>0.0</b>                             | <b>1,213</b>                     | <b>1.7</b>   | <b>1,114</b> |
| <b>Area</b>                              |  |  |                                  |  |              |
| Urban                                    | 0.4  | 0.0                                    | 559                              | 0.6  | 624          |
| Rural                                    | 2.1  | 0.1                                    | 654                              | 3.0  | 490          |
| <b>Region</b>                            |  |  |                                  |  |              |
| Bangkok                                  | 0.3  | 0.0                                    | 146                              | 0.0  | 209          |
| Central                                  | 2.4  | 0.0                                    | 361                              | 3.0  | 368          |
| North                                    | 0.7  | 0.0                                    | 170                              | 0.4  | 147          |
| Northeast                                | 0.9  | 0.0                                    | 371                              | 2.5  | 195          |
| South                                    | 1.5  | 0.3                                    | 165                              | 1.0  | 195          |
| <b>Education</b>                         |  |  |                                  |  |              |
| Pre-primary or none                      | (*)  | (*)                                    | 14                               | (0.0)  | 20           |
| Primary                                  | 10.5   | 0.0                                    | 87                               | 2.8  | 156          |
| Lower secondary                          | 1.4  | 0.1                                    | 295                              | 4.8  | 234          |
| Upper secondary                          | 0.4  | 0.0                                    | 671                              | 0.6  | 284          |
| Higher                                   | 0.1  | 0.0                                    | 143                              | 0.3  | 409          |
| <b>Native language of household head</b> |  |  |                                  |  |              |
| Thai                                     | 1.3  | 0.0                                    | 1,131                            | 1.7  | 977          |
| Non-Thai                                 | 1.3  | 0.0                                    | 81                               | 1.1  | 138          |
| <b>Wealth index quintile</b>             |  |  |                                  |  |              |
| Poorest                                  | 4.2  | 0.2                                    | 243                              | 1.5  | 210          |
| Second                                   | 1.6  | 0.0                                    | 231                              | 1.7  | 314          |
| Middle                                   | 0.5  | 0.0                                    | 236                              | 1.1  | 236          |
| Fourth                                   | 0.4  | 0.0                                    | 254                              | 3.5  | 179          |
| Richest                                  | 0.0  | 0.0                                    | 249                              | 0.7  | 175          |

( ) Figures that are based on 25-49 unweighted cases.

(\*) Figures that are based on less than 25 unweighted cases.

Note: The category of 'DK/Missing' in the background characteristics of 'Education' has been suppressed from the table due to small number of unweighted cases.

| Table TM.2.3W: Trends in early childbearing (women)   |   |                                 |   |                                 |   |                                 |   |                                 |   |                                 |   |                                 |
|---|---|---------------------------------|---|---------------------------------|---|---------------------------------|---|---------------------------------|---|---------------------------------|---|---------------------------------|
| Percentage of women who have had a live birth, by age 15 and 18, by area of residence, Thailand, 2022 |   |                                 |   |                                 |   |                                 |   |                                 |   |                                 |   |                                 |
|   | Urban   |                                 |   |                                 | Rural   |                                 |   |                                 | All   |                                 |   |                                 |
|   | Percentage of women with a live birth before age 15 | Number of women age 15-49 years | Percentage of women with a live birth before age 18 | Number of women age 20-49 years | Percentage of women with a live birth before age 15 | Number of women age 15-49 years | Percentage of women with a live birth before age 18 | Number of women age 20-49 years | Percentage of women with a live birth before age 15 | Number of women age 15-49 years | Percentage of women with a live birth before age 18 | Number of women age 20-49 years |
| <b>Total</b>  | <b>0.5</b>  | <b>11,566</b>                   | <b>5.6</b>  | <b>10,405</b>                   | <b>0.6</b>  | <b>9,523</b>                    | <b>9.5</b>  | <b>8,242</b>                    | <b>0.5</b>  | <b>21,089</b>                   | <b>7.4</b>  | <b>18,647</b>                   |
| <b>Age</b>  |   |                                 |   |                                 |   |                                 |   |                                 |   |                                 |   |                                 |
| 15-19   | 0.2   | 1,161                           | na  | na                              | 0.6   | 1,281                           | na  | na                              | 0.4   | 2,442                           | na  | na                              |
| 15-17   | 0.2   | 718                             | na  | na                              | 0.9   | 865                             | na  | na                              | 0.6   | 1,583                           | na  | na                              |
| 18-19   | 0.2   | 443                             | na  | na                              | 0.1   | 417                             | na  | na                              | 0.2   | 860                             | na  | na                              |
| 20-24   | 0.5   | 1,249                           | 4.5   | 1,249                           | 1.6   | 903                             | 10.1  | 903                             | 1.0   | 2,152                           | 6.8   | 2,152                           |
| 25-29   | 0.9   | 1,808                           | 7.0   | 1,808                           | 0.4   | 1,265                           | 9.0   | 1,265                           | 0.7   | 3,073                           | 7.8   | 3,073                           |
| 30-34   | 0.3   | 1,702                           | 7.5   | 1,702                           | 0.3   | 1,302                           | 14.0  | 1,302                           | 0.3   | 3,004                           | 10.3  | 3,004                           |
| 35-39   | 0.5   | 1,788                           | 3.6   | 1,788                           | 0.2   | 1,358                           | 7.7   | 1,358                           | 0.4   | 3,146                           | 5.4   | 3,146                           |
| 40-44   | 0.2   | 1,942                           | 4.8   | 1,942                           | 1.0   | 1,552                           | 11.5  | 1,552                           | 0.6   | 3,494                           | 7.8   | 3,494                           |
| 45-49   | 0.9   | 1,915                           | 6.1   | 1,915                           | 0.4   | 1,863                           | 6.2   | 1,863                           | 0.6   | 3,778                           | 6.1   | 3,778                           |
| na: not applicable  |   |                                 |   |                                 |   |                                 |   |                                 |   |                                 |   |                                 |

**Table TM.2.3M: Trends in early fatherhood (men)**

Percentage of men who have fathered a live birth, by age 15 and 18, by area of residence, Thailand, 2022

|                    | Urban  |                               |  |                               | Rural  |                               |  |                               | All  |                               |  |                               |
|--------------------|--|-------------------------------|--|-------------------------------|--|-------------------------------|--|-------------------------------|--|-------------------------------|--|-------------------------------|
|                    | Percentage of men fathering a live birth before age 15 | Number of men age 15-49 years | Percentage of men fathering a live birth before age 18 | Number of men age 20-49 years | Percentage of men fathering a live birth before age 15 | Number of men age 15-49 years | Percentage of men fathering a live birth before age 18 | Number of men age 20-49 years | Percentage of men fathering a live birth before age 15 | Number of men age 15-49 years | Percentage of men fathering a live birth before age 18 | Number of men age 20-49 years |
| <b>Total</b>       | <b>0.2</b>   | <b>5,185</b>                  | <b>1.0</b>   | <b>4,626</b>                  | <b>0.2</b>   | <b>4,267</b>                  | <b>2.9</b>   | <b>3,614</b>                  | <b>0.2</b>   | <b>9,452</b>                  | <b>1.8</b>   | <b>8,239</b>                  |
| <b>Age</b>         |  |                               |  |                               |  |                               |  |                               |  |                               |  |                               |
| 15-19              | 0.0  | 559                           | na   | na                            | 0.1  | 654                           | na   | na                            | 0.0  | 1,213                         | na   | na                            |
| 15-17              | 0.0  | 390                           | na   | na                            | 0.0  | 385                           | na   | na                            | 0.0  | 775                           | na   | na                            |
| 18-19              | 0.0  | 169                           | na   | na                            | 0.2  | 269                           | na   | na                            | 0.1  | 438                           | na   | na                            |
| 20-24              | 0.1  | 624                           | 0.6  | 624                           | 0.1  | 490                           | 3.0  | 490                           | 0.1  | 1,114                         | 1.7  | 1,114                         |
| 25-29              | 0.0  | 786                           | 0.6  | 786                           | 0.1  | 521                           | 5.0  | 521                           | 0.0  | 1,307                         | 2.3  | 1,307                         |
| 30-34              | 0.1  | 800                           | 1.2  | 800                           | 0.1  | 619                           | 4.0  | 619                           | 0.1  | 1,419                         | 2.4  | 1,419                         |
| 35-39              | 1.5  | 682                           | 2.9  | 682                           | 0.2  | 673                           | 2.7  | 673                           | 0.9  | 1,355                         | 2.8  | 1,355                         |
| 40-44              | 0.1  | 896                           | 0.6  | 896                           | 0.6  | 634                           | 2.5  | 634                           | 0.3  | 1,530                         | 1.4  | 1,530                         |
| 45-49              | 0.0  | 837                           | 0.2  | 837                           | 0.5  | 678                           | 0.8  | 678                           | 0.2  | 1,515                         | 0.5  | 1,515                         |
| na: not applicable |  |                               |  |                               |  |                               |  |                               |  |                               |  |                               |

### 5.3 CONTRACEPTION

Appropriate contraceptive use is important to the health of women and children by: 1) preventing pregnancies that are too early or too late; 2) extending the period between births; and 3) limiting the total number of children.<sup>2</sup>

Table TM.3.1 presents the current use of contraception for women who are currently married or in union while Table TM.3.2 presents the same information for women who are not currently married or in union. In Table TM.3.1, use of specific methods of contraception are first presented; specific methods are then grouped into modern and traditional methods and presented as such. For women who are not currently married or in union, in Table TM.3.2, contraceptive use is only presented by modern and traditional method categories. Table TM.3.3 presents the source of contraceptive method for women who are using a modern contraceptive method.

Unmet need for contraception refers to fecund women who are not using any method of contraception, but who wish to postpone the next birth (spacing) or who wish to stop childbearing altogether (limiting). Unmet need is identified in MICS by using a set of questions eliciting current behaviours and preferences pertaining to contraceptive use, fecundity, and fertility preferences.

Table TM.3.4 shows the levels of unmet need and met need for contraception, and the demand for contraception satisfied for women who are currently married or in union. The same table is reproduced in Table TM.3.5 for women who are not currently married or in union.

Unmet need for spacing is defined as the percentage of women who are not using a method of contraception AND

- are i) not pregnant, ii) not post-partum amenorrheic<sup>3</sup> and iii) fecund<sup>4</sup> and say they want to wait two or more years for their next birth OR
- are i) not pregnant, ii) not post-partum amenorrheic, and iii) fecund and unsure whether they want another child OR
- are pregnant, and say that pregnancy was mistimed (would have wanted to wait) OR
- are post-partum amenorrheic and say that the birth was mistimed (would have wanted to wait).

Unmet need for limiting is defined as percentage of women who are married or in union and are not using a method of contraception AND

- are i) not pregnant, ii) not post-partum amenorrheic, and iii) fecund and say they do not want any more children OR
- are pregnant and say they did not want to have a child OR
- are post-partum amenorrheic and say that they did not want the birth.

Total unmet need for contraception is the sum of unmet need for spacing and unmet need for limiting.

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<sup>2</sup> PATH, and United Nations Population Fund. *Meeting the Need: Strengthening Family Planning Programs*. Seattle: PATH/UNFPA, 2006. [https://www.unfpa.org/sites/default/files/resource-pdf/family\\_planning06.pdf](https://www.unfpa.org/sites/default/files/resource-pdf/family_planning06.pdf).

<sup>3</sup> A woman is post-partum amenorrheic if she had a live birth in last two years and is not currently pregnant, and her menstrual period has not returned since the birth of the last child.

<sup>4</sup> A woman is considered infecund if she is neither pregnant nor post-partum amenorrheic, and  
(1a) has not had menstruation for at least six months, or (1b) has never menstruated, or (1c) had last menstruation occurring before her last birth, or (1d) is in menopause/has had hysterectomy OR  
(2) she declares that she i) has had hysterectomy, ii) has never menstruated, iii) is menopausal or iv) has been trying to get pregnant for at least 2 years without result in response to questions on why she thinks she is not physically able to get pregnant at the time of survey OR  
(3) she declares she cannot get pregnant when asked about desire for future birth OR  
(4) she has not had a birth in the preceding 5 years, is currently not using contraception and is currently married and was continuously married during the last 5 years preceding the survey.



Met need for limiting includes women who are using (or whose partner is using) a contraceptive method<sup>5</sup> and who want no more children, are using male or female sterilisation or declare themselves as infecund. Met need for spacing includes women who are using (or whose partner is using) a contraceptive method and who want to have another child or are undecided whether to have another child. Summing the met need for spacing and limiting results in the total met need for contraception.

Using information on contraception and unmet need, the percentage of demand for contraception satisfied is also estimated from the MICS data. The percentage of demand satisfied is defined as the proportion of women who are currently using contraception over the total demand for contraception. The total demand for contraception includes women who currently have an unmet need (for spacing or limiting) plus those who are currently using contraception.

Percentage of demand for family planning satisfied with modern methods is one of the indicators used to track progress toward the Sustainable Development Goal, Target 3.7, on ensuring universal access to sexual and reproductive health-care services, including for family planning, information and education and the integration of reproductive health into national strategies and programmes. While SDG indicator 3.7.1 relates to all women age 15-49 years, it is only reported for women currently married or in union and, therefore, located in Table TM.3.4 alone.

Table TM.3.6 shows main cause of failure to prevent pregnancy for women with a live birth in the last 2 years but did not wish to have last child.

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<sup>5</sup> In this chapter, whenever reference is made to the use of a contraceptive by a woman, this includes her partner using a contraceptive method (such as male condom).

| Table TM.3.1: Use of contraception (currently married/in union)  |  |                      |                    |            |             |            |             |             |                    |                     |            |               |                   |                        |                         |   |
|--|--|----------------------|--------------------|------------|-------------|------------|-------------|-------------|--------------------|---------------------|------------|---------------|-------------------|------------------------|-------------------------|---|
| Percentage of women age 15-49 years currently married or in union who are using (or whose partner is using) a contraceptive method, Thailand, 2022 |  |                      |                    |            |             |            |             |             |                    |                     |            |               |                   |                        |                         |   |
|  | Percentage of women currently married or in union who are using (or whose partner is using): |                      |                    |            |             |            |             |             |                    |                     |            |               |                   |                        |                         | Number of women currently married or in union |
|  | Modern method  |                      |                    |            |             |            |             |             |                    | Traditional method  |            |               |                   |                        |                         |   |
|  | No method  | Female sterilization | Male sterilization | IUD        | Injectables | Implants   | Pill        | Male condom | Other <sup>A</sup> | Periodic abstinence | Withdrawal | Other/Missing | Any modern method | Any traditional method | Any method <sup>1</sup> |   |
| <b>Total</b>   | <b>27.0</b>  | <b>24.3</b>          | <b>0.2</b>         | <b>0.4</b> | <b>9.7</b>  | <b>2.3</b> | <b>31.0</b> | <b>2.7</b>  | <b>0.2</b>         | <b>1.2</b>          | <b>0.9</b> | <b>0.0</b>    | <b>70.8</b>       | <b>2.1</b>             | <b>73.0</b>             | <b>11,840</b>                                 |
| <b>Area</b>  |  |                      |                    |            |             |            |             |             |                    |                     |            |               |                   |                        |                         |   |
| Urban  | 26.0   | 22.3                 | 0.2                | 0.4        | 7.2         | 2.4        | 35.5        | 3.2         | 0.2                | 1.4                 | 1.2        | 0.1           | 71.4              | 2.5                    | 74.0                    | 6,049   |
| Rural  | 28.1   | 26.4                 | 0.2                | 0.3        | 12.3        | 2.2        | 26.4        | 2.1         | 0.2                | 0.9                 | 0.7        | 0.0           | 70.2              | 1.6                    | 71.9                    | 5,790   |
| <b>Region</b>  |  |                      |                    |            |             |            |             |             |                    |                     |            |               |                   |                        |                         |   |
| Bangkok  | 26.7   | 15.5                 | 0.2                | 0.8        | 6.5         | 1.7        | 41.6        | 3.9         | 0.2                | 2.1                 | 0.8        | 0.0           | 70.4              | 2.8                    | 73.3                    | 1,611   |
| Central  | 25.9   | 23.4                 | 0.3                | 0.2        | 8.4         | 2.1        | 33.8        | 3.8         | 0.1                | 0.9                 | 1.0        | 0.1           | 72.0              | 1.9                    | 74.1                    | 3,914   |
| North  | 21.2   | 25.9                 | 0.2                | 0.1        | 17.9        | 2.0        | 29.8        | 1.0         | 0.1                | 1.0                 | 0.7        | 0.0           | 77.1              | 1.7                    | 78.8                    | 1,757   |
| Northeast  | 26.2   | 34.0                 | 0.2                | 0.5        | 8.1         | 2.6        | 26.2        | 1.1         | 0.1                | 0.7                 | 0.3        | 0.0           | 72.9              | 0.9                    | 73.8                    | 2,759   |
| South  | 36.6   | 17.9                 | 0.1                | 0.2        | 10.0        | 3.2        | 24.3        | 3.1         | 0.6                | 1.8                 | 2.3        | 0.0           | 59.4              | 4.1                    | 63.4                    | 1,799   |
| <b>Age</b>   |  |                      |                    |            |             |            |             |             |                    |                     |            |               |                   |                        |                         |   |
| 15-19  | 28.2   | 0.3                  | 0.0                | 3.7        | 10.4        | 18.9       | 30.9        | 4.5         | 0.0                | 0.1                 | 0.2        | 2.8           | 68.7              | 0.3                    | 71.8                    | 187   |
| 15-17  | 32.9   | 0.0                  | 0.0                | 11.1       | 4.3         | 19.1       | 30.2        | 2.1         | 0.0                | 0.3                 | 0.0        | 0.0           | 66.9              | 0.3                    | 67.1                    | 57  |
| 18-19  | 26.2   | 0.5                  | 0.0                | 0.5        | 13.0        | 18.9       | 31.2        | 5.6         | 0.0                | 0.1                 | 0.3        | 3.9           | 69.5              | 0.3                    | 73.8                    | 130   |
| 20-24  | 27.7   | 3.1                  | 0.0                | 0.1        | 14.9        | 6.5        | 43.1        | 3.6         | 0.2                | 0.3                 | 0.5        | 0.0           | 71.5              | 0.8                    | 72.3                    | 724   |
| 25-29  | 27.1   | 10.3                 | 0.0                | 0.0        | 10.4        | 2.2        | 44.1        | 3.2         | 0.4                | 1.3                 | 1.1        | 0.0           | 70.5              | 2.4                    | 72.9                    | 1,532   |
| 30-34  | 25.2   | 20.3                 | 0.2                | 0.2        | 12.0        | 2.0        | 34.5        | 3.2         | 0.2                | 1.4                 | 0.7        | 0.0           | 72.6              | 2.2                    | 74.8                    | 1,947   |
| 35-39  | 25.3   | 27.0                 | 0.1                | 0.5        | 9.4         | 1.8        | 30.7        | 3.4         | 0.2                | 0.9                 | 0.8        | 0.0           | 72.9              | 1.7                    | 74.7                    | 2,175   |
| 40-44  | 26.1   | 31.1                 | 0.3                | 0.5        | 7.8         | 1.6        | 27.3        | 2.7         | 0.2                | 1.5                 | 0.9        | 0.0           | 71.6              | 2.4                    | 73.9                    | 2,537   |
| 45-49  | 30.2   | 33.9                 | 0.5                | 0.2        | 8.4         | 1.5        | 21.8        | 1.0         | 0.0                | 1.1                 | 1.4        | 0.0           | 67.3              | 2.4                    | 69.8                    | 2,739   |
| <b>Education</b>   |  |                      |                    |            |             |            |             |             |                    |                     |            |               |                   |                        |                         |   |
| Pre-primary or none  | 29.4   | 18.9                 | 0.3                | 0.0        | 21.2        | 3.1        | 24.9        | 0.4         | 0.0                | 1.5                 | 0.3        | 0.0           | 68.8              | 1.8                    | 70.6                    | 338   |
| Primary  | 24.0   | 30.0                 | 0.6                | 0.3        | 11.2        | 1.9        | 30.3        | 0.5         | 0.0                | 0.4                 | 0.8        | 0.0           | 74.8              | 1.2                    | 76.0                    | 2,567   |
| Lower secondary  | 25.5   | 24.5                 | 0.1                | 0.7        | 11.1        | 2.5        | 31.2        | 2.8         | 0.1                | 0.4                 | 1.1        | 0.0           | 73.1              | 1.5                    | 74.5                    | 2,590   |
| Upper secondary  | 25.3   | 21.9                 | 0.0                | 0.2        | 11.6        | 3.2        | 33.0        | 2.8         | 0.2                | 1.2                 | 0.5        | 0.0           | 72.9              | 1.7                    | 74.7                    | 2,682   |
| Higher   | 31.4   | 22.8                 | 0.2                | 0.4        | 5.4         | 1.7        | 29.8        | 4.2         | 0.3                | 2.3                 | 1.3        | 0.2           | 64.9              | 3.5                    | 68.6                    | 3,589   |
| DK/Missing   | (22.9)   | (5.1)                | (0.0)              | (0.0)      | (2.5)       | (0.0)      | (68.7)      | (0.0)       | (0.8)              | (0.0)               | (0.0)      | (0.0)         | (77.1)            | (0.0)                  | (77.1)                  | 74  |

| Table TM.3.1: Use of contraception (currently married/in union) (continued)  |  |                      |                    |     |             |          |      |             |                    |                     |            |               |                   |                        |                         |   |
|--|--|----------------------|--------------------|-----|-------------|----------|------|-------------|--------------------|---------------------|------------|---------------|-------------------|------------------------|-------------------------|---|
| Percentage of women age 15-49 years currently married or in union who are using (or whose partner is using) a contraceptive method, Thailand, 2022 |  |                      |                    |     |             |          |      |             |                    |                     |            |               |                   |                        |                         |   |
|  | Percentage of women currently married or in union who are using (or whose partner is using): |                      |                    |     |             |          |      |             |                    |                     |            |               |                   |                        |                         | Number of women currently married or in union |
|  | Modern method  |                      |                    |     |             |          |      |             |                    | Traditional method  |            |               |                   |                        |                         |   |
|  | No method  | Female sterilization | Male sterilization | IUD | Injectables | Implants | Pill | Male condom | Other <sup>A</sup> | Periodic abstinence | Withdrawal | Other/Missing | Any modern method | Any traditional method | Any method <sup>1</sup> |   |
| <b>Number of living children</b>   |  |                      |                    |     |             |          |      |             |                    |                     |            |               |                   |                        |                         |   |
| 0  | 51.9   | 0.0                  | 0.1                | 0.1 | 3.4         | 1.3      | 37.1 | 3.7         | 0.2                | 1.4                 | 0.4        | 0.2           | 46.0              | 1.8                    | 48.1                    | 2,112   |
| 1  | 30.8   | 5.7                  | 0.1                | 0.3 | 11.0        | 3.5      | 41.5 | 4.1         | 0.2                | 1.4                 | 1.4        | 0.0           | 66.4              | 2.8                    | 69.2                    | 3,781   |
| 2  | 15.5   | 44.4                 | 0.4                | 0.3 | 10.6        | 1.9      | 23.6 | 1.4         | 0.2                | 1.0                 | 0.8        | 0.0           | 82.7              | 1.8                    | 84.5                    | 4,444   |
| 3  | 15.3   | 48.9                 | 0.1                | 1.3 | 12.2        | 1.9      | 17.5 | 1.7         | 0.0                | 0.4                 | 0.8        | 0.0           | 83.5              | 1.2                    | 84.7                    | 1,138   |
| 4+   | 20.6   | 36.7                 | 1.2                | 0.0 | 14.8        | 2.3      | 20.3 | 0.6         | 0.0                | 1.7                 | 1.7        | 0.0           | 76.0              | 3.4                    | 79.4                    | 365   |
| <b>Native language of household head</b>   |  |                      |                    |     |             |          |      |             |                    |                     |            |               |                   |                        |                         |   |
| Thai   | 26.6   | 25.4                 | 0.3                | 0.3 | 9.5         | 2.1      | 30.7 | 2.8         | 0.2                | 1.1                 | 0.9        | 0.1           | 71.3              | 2.0                    | 73.4                    | 10,804  |
| Non-Thai   | 31.4   | 12.9                 | 0.0                | 0.6 | 11.9        | 4.4      | 34.9 | 0.9         | 0.0                | 1.3                 | 1.7        | 0.0           | 65.5              | 3.1                    | 68.6                    | 1,036   |
| <b>Wealth index quintile</b>   |  |                      |                    |     |             |          |      |             |                    |                     |            |               |                   |                        |                         |   |
| Poorest  | 24.1   | 24.5                 | 0.0                | 0.3 | 15.1        | 2.7      | 30.7 | 1.3         | 0.0                | 0.6                 | 0.8        | 0.0           | 74.5              | 1.4                    | 75.9                    | 2,111   |
| Second   | 22.6   | 21.5                 | 0.4                | 0.6 | 11.2        | 2.9      | 36.4 | 2.5         | 0.3                | 0.3                 | 1.3        | 0.0           | 75.9              | 1.5                    | 77.4                    | 2,296   |
| Middle   | 31.2   | 22.3                 | 0.3                | 0.3 | 10.6        | 2.0      | 28.8 | 2.4         | 0.2                | 0.9                 | 0.7        | 0.2           | 66.9              | 1.7                    | 68.8                    | 2,455   |
| Fourth   | 27.7   | 25.4                 | 0.2                | 0.2 | 8.3         | 2.0      | 30.7 | 3.1         | 0.2                | 1.6                 | 0.7        | 0.0           | 70.0              | 2.3                    | 72.3                    | 2,458   |
| Richest  | 28.8   | 27.7                 | 0.3                | 0.4 | 4.5         | 2.1      | 28.9 | 3.8         | 0.1                | 2.2                 | 1.2        | 0.0           | 67.7              | 3.4                    | 71.2                    | 2,519   |
| <sup>1</sup> MICS indicator TM.3 - Contraceptive prevalence rate   |  |                      |                    |     |             |          |      |             |                    |                     |            |               |                   |                        |                         |   |
| <sup>A</sup> Female condom, Diaphragm, Foam, Jelly, Patch, Emergency pill<br>( ) Figures that are based on 25-49 unweighted cases.                 |  |                      |                    |     |             |          |      |             |                    |                     |            |               |                   |                        |                         |   |

**Table TM.3.2: Use of contraception (currently unmarried/not in union)**

Percentage of women age 15-49 years currently unmarried or not in union who are using (or whose partner is using) a contraceptive method, Thailand, 2022

|  | Percentage of women currently unmarried or not in union who are using (or whose partner is using): |                        |            | Number of women currently unmarried or not in union |
|--|--|------------------------|------------|---|
|  | Any modern method  | Any traditional method | Any method |   |
| <b>Total</b>                             | <b>4.3</b>   | <b>0.1</b>             | <b>4.4</b> | <b>9,249</b>  |
| <b>Area</b>                              |  |                        |            |   |
| Urban                                    | 3.8  | 0.0                    | 3.9        | 5,517   |
| Rural                                    | 5.1  | 0.2                    | 5.2        | 3,733   |
| <b>Region</b>                            |  |                        |            |   |
| Bangkok                                  | 2.4  | 0.0                    | 2.5        | 1,853   |
| Central                                  | 3.8  | 0.0                    | 3.9        | 3,251   |
| North                                    | 6.1  | 0.0                    | 6.1        | 1,079   |
| Northeast                                | 6.0  | 0.2                    | 6.3        | 2,019   |
| South                                    | 4.2  | 0.1                    | 4.3        | 1,047   |
| <b>Age</b>                               |  |                        |            |   |
| 15-19                                    | 0.4  | 0.0                    | 0.5        | 2,255   |
| 15-17                                    | 0.0  | 0.0                    | 0.0        | 1,526   |
| 18-19                                    | 1.3  | 0.0                    | 1.3        | 729   |
| 20-24                                    | 1.6  | 0.0                    | 1.6        | 1,428   |
| 25-29                                    | 3.1  | 0.1                    | 3.2        | 1,541   |
| 30-34                                    | 4.0  | 0.0                    | 4.0        | 1,057   |
| 35-39                                    | 6.7  | 0.1                    | 6.7        | 971   |
| 40-44                                    | 10.5   | 0.6                    | 11.1       | 958   |
| 45-49                                    | 10.9   | 0.1                    | 10.9       | 1,039   |
| <b>Education</b>                         |  |                        |            |   |
| Pre-primary or none                      | 13.5   | 0.0                    | 13.5       | 98  |
| Primary                                  | 14.0   | 0.0                    | 14.0       | 672   |
| Lower secondary                          | 9.4  | 0.1                    | 9.5        | 1,226   |
| Upper secondary                          | 2.4  | 0.0                    | 2.4        | 2,775   |
| Higher                                   | 2.5  | 0.1                    | 2.6        | 4,423   |
| DK/Missing                               | (0.0)  | (0.0)                  | (0.0)      | 56  |
| <b>Number of living children</b>         |  |                        |            |   |
| 0  | 0.8  | 0.1                    | 0.8        | 7,556   |
| 1  | 9.3  | 0.1                    | 9.4        | 901   |
| 2  | 30.6   | 0.1                    | 30.8       | 587   |
| 3  | 38.5   | 0.2                    | 38.7       | 177   |
| 4+                                       | 39.5   | 0.0                    | 39.5       | 28  |
| <b>Native language of household head</b> |  |                        |            |   |
| Thai                                     | 4.4  | 0.1                    | 4.4        | 8,789   |
| Non-Thai                                 | 3.9  | 0.0                    | 3.9        | 461   |
| <b>Wealth index quintile</b>             |  |                        |            |   |
| Poorest                                  | 6.1  | 0.0                    | 6.1        | 1,112   |
| Second                                   | 5.6  | 0.3                    | 6.0        | 1,889   |
| Middle                                   | 5.0  | 0.0                    | 5.0        | 1,903   |
| Fourth                                   | 3.4  | 0.0                    | 3.4        | 1,973   |
| Richest                                  | 2.7  | 0.0                    | 2.7        | 2,372   |

( ) Figures that are based on 25-49 unweighted cases.

**Table TM.3.3: Source of contraceptive**

Percentage of women age 15-49 years who are using (or whose partner is using) a modern contraceptive method by source, Thailand, 2022

|  | Source of modern contraceptive |            |                      |             |            | Number of women who are using (or whose partner is using) a modern contraceptive method |
|--|--------------------------------|------------|----------------------|-------------|------------|---|
|  | Health facility                |            |                      | Pharmacy    | Other      |   |
|  | Public <sup>1</sup>            | Private    | DK public or private |             |            |   |
| <b>Total</b>                             | <b>52.0</b>                    | <b>7.5</b> | <b>0.0</b>           | <b>39.9</b> | <b>7.6</b> | <b>8,786</b>  |
| <b>Area</b>                              |                                |            |                      |             |            |   |
| Urban                                    | 43.9                           | 7.3        | 0.0                  | 47.4        | 9.3        | 4,530   |
| Rural                                    | 60.7                           | 7.7        | 0.1                  | 32.0        | 5.9        | 4,256   |
| <b>Region</b>                            |                                |            |                      |             |            |   |
| Bangkok                                  | 28.8                           | 11.6       | 0.0                  | 56.8        | 11.9       | 1,179   |
| Central                                  | 45.4                           | 6.3        | 0.0                  | 45.4        | 9.2        | 2,944   |
| North                                    | 56.9                           | 10.0       | 0.3                  | 36.7        | 6.5        | 1,421   |
| Northeast                                | 68.4                           | 5.5        | 0.0                  | 28.7        | 4.8        | 2,131   |
| South                                    | 56.4                           | 6.9        | 0.0                  | 33.2        | 5.9        | 1,111   |
| <b>Education</b>                         |                                |            |                      |             |            |   |
| Pre-primary or none                      | 55.2                           | 9.3        | 0.1                  | 35.7        | 4.7        | 245   |
| Primary                                  | 64.7                           | 4.1        | 0.2                  | 32.1        | 5.0        | 2,014   |
| Lower secondary                          | 55.2                           | 7.6        | 0.0                  | 38.2        | 6.2        | 2,008   |
| Upper secondary                          | 48.6                           | 6.6        | 0.0                  | 42.9        | 8.1        | 2,022   |
| Higher                                   | 42.2                           | 10.3       | 0.0                  | 45.6        | 10.7       | 2,439   |
| DK/Missing                               | (19.9)                         | (25.2)     | (0.0)                | (52.1)      | (18.0)     | 57  |
| <b>Marital status</b>                    |                                |            |                      |             |            |   |
| Ever married/in union                    | 52.1                           | 7.5        | 0.0                  | 39.7        | 7.5        | 8,727   |
| Never married/in union                   | (31.6)                         | (7.2)      | (0.0)                | (69.8)      | (28.7)     | 59  |
| <b>Native language of household head</b> |                                |            |                      |             |            |   |
| Thai                                     | 52.1                           | 7.5        | 0.1                  | 39.7        | 7.8        | 8,090   |
| Non-Thai                                 | 50.6                           | 7.7        | 0.0                  | 42.2        | 5.7        | 697   |
| <b>Wealth index quintile</b>             |                                |            |                      |             |            |   |
| Poorest                                  | 63.2                           | 5.3        | 0.2                  | 32.1        | 6.1        | 1,642   |
| Second                                   | 51.8                           | 5.8        | 0.0                  | 42.8        | 6.0        | 1,849   |
| Middle                                   | 53.0                           | 7.8        | 0.0                  | 39.2        | 7.6        | 1,737   |
| Fourth                                   | 47.5                           | 8.9        | 0.0                  | 42.6        | 7.1        | 1,788   |
| Richest                                  | 45.5                           | 9.6        | 0.0                  | 42.2        | 11.3       | 1,771   |

<sup>1</sup> TH indicator TM.S2 - Source of modern contraceptive

( ) Figures that are based on 25-49 unweighted cases.

**Table TM.3.4: Need and demand for family planning (currently married/in union)**

Percentage of women age 15-49 years who are currently married or in union with unmet and met need for family planning, total demand for family planning, and, among women with need for family planning, percentage of demand satisfied by method of contraception, Thailand, 2022

|               | Unmet need for family planning |                     |                    | Met need for family planning (currently using contraception) |                     |             | Total demand for family planning |                     |             | Number of women currently married or in union | Percentage of demand for family planning satisfied with: |                             | Number of women currently married or in union with need for family planning |
|---------------|--------------------------------|---------------------|--------------------|--|---------------------|-------------|----------------------------------|---------------------|-------------|---|--|-----------------------------|---|
|               | For spacing births             | For limiting births | Total <sup>1</sup> | For spacing births   | For limiting births | Total       | For spacing births               | For limiting births | Total       |   | Any method   | Modern methods <sup>2</sup> |   |
| <b>Total</b>  | <b>4.6</b>                     | <b>4.3</b>          | <b>8.9</b>         | <b>20.6</b>  | <b>52.4</b>         | <b>73.0</b> | <b>25.2</b>                      | <b>56.7</b>         | <b>81.9</b> | <b>11,840</b>                                 | <b>89.1</b>  | <b>86.5</b>                 | <b>9,698</b>  |
| <b>Area</b>   |                                |                     |                    |  |                     |             |                                  |                     |             |   |  |                             |   |
| Urban         | 4.7                            | 3.8                 | 8.5                | 23.5   | 50.5                | 74.0        | 28.2                             | 54.3                | 82.6        | 6,049   | 89.7   | 86.5                        | 4,994   |
| Rural         | 4.5                            | 4.8                 | 9.4                | 17.6   | 54.3                | 71.9        | 22.1                             | 59.1                | 81.2        | 5,790   | 88.5   | 86.4                        | 4,705   |
| <b>Region</b> |                                |                     |                    |  |                     |             |                                  |                     |             |   |  |                             |   |
| Bangkok       | 5.0                            | 2.7                 | 7.7                | 22.0   | 51.3                | 73.3        | 27.0                             | 53.9                | 80.9        | 1,611   | 90.5   | 87.0                        | 1,304   |
| Central       | 4.1                            | 4.4                 | 8.4                | 25.4   | 48.7                | 74.1        | 29.5                             | 53.0                | 82.5        | 3,914   | 89.8   | 87.3                        | 3,229   |
| North         | 3.9                            | 3.2                 | 7.1                | 19.1   | 59.7                | 78.8        | 23.0                             | 62.9                | 85.9        | 1,757   | 91.7   | 89.7                        | 1,510   |
| Northeast     | 4.5                            | 5.7                 | 10.2               | 15.5   | 58.2                | 73.8        | 20.1                             | 63.9                | 83.9        | 2,759   | 87.9   | 86.8                        | 2,316   |
| South         | 6.3                            | 4.7                 | 11.1               | 18.1   | 45.3                | 63.4        | 24.5                             | 50.1                | 74.5        | 1,799   | 85.1   | 79.7                        | 1,340   |
| <b>Age</b>    |                                |                     |                    |  |                     |             |                                  |                     |             |   |  |                             |   |
| 15-19         | 6.9                            | 0.7                 | 7.6                | 56.1   | 15.7                | 71.8        | 63.0                             | 16.4                | 79.4        | 187   | 90.4   | 86.5                        | 149   |
| 15-17         | 2.8                            | 0.9                 | 3.7                | 48.2   | 18.9                | 67.1        | 51.0                             | 19.8                | 70.8        | 57  | 94.8   | 94.4                        | 40  |
| 18-19         | 8.7                            | 0.6                 | 9.4                | 59.5   | 14.3                | 73.8        | 68.2                             | 14.9                | 83.2        | 130   | 88.7   | 83.6                        | 109   |
| 20-24         | 11.0                           | 1.6                 | 12.6               | 51.9   | 20.4                | 72.3        | 62.9                             | 22.0                | 84.9        | 724   | 85.1   | 84.2                        | 615   |
| 25-29         | 8.7                            | 2.8                 | 11.4               | 45.3   | 27.6                | 72.9        | 54.0                             | 30.3                | 84.3        | 1,532   | 86.5   | 83.6                        | 1,292   |
| 30-34         | 6.0                            | 2.0                 | 8.0                | 31.2   | 43.6                | 74.8        | 37.2                             | 45.6                | 82.8        | 1,947   | 90.3   | 87.7                        | 1,612   |
| 35-39         | 5.1                            | 4.9                 | 10.0               | 19.2   | 55.5                | 74.7        | 24.2                             | 60.4                | 84.7        | 2,175   | 88.2   | 86.1                        | 1,841   |
| 40-44         | 2.8                            | 5.4                 | 8.2                | 6.2  | 67.8                | 73.9        | 9.0                              | 73.1                | 82.1        | 2,537   | 90.0   | 87.1                        | 2,084   |
| 45-49         | 0.8                            | 6.3                 | 7.2                | 3.1  | 66.7                | 69.8        | 3.9                              | 73.0                | 76.9        | 2,739   | 90.7   | 87.6                        | 2,106   |

**Table TM.3.4: Need and demand for family planning (currently married/in union) (continued)**

Percentage of women age 15-49 years who are currently married or in union with unmet and met need for family planning, total demand for family planning, and, among women with need for family planning, percentage of demand satisfied by method of contraception, Thailand, 2022

|  | Unmet need for family planning |                     |                    | Met need for family planning (currently using contraception) |                     |        | Total demand for family planning |                     |        | Number of women currently married or in union | Percentage of demand for family planning satisfied with: |                             | Number of women currently married or in union with need for family planning |
|--|--------------------------------|---------------------|--------------------|--|---------------------|--------|----------------------------------|---------------------|--------|---|--|-----------------------------|---|
|  | For spacing births             | For limiting births | Total <sup>1</sup> | For spacing births   | For limiting births | Total  | For spacing births               | For limiting births | Total  |   | Any method   | Modern methods <sup>2</sup> |   |
| <b>Education</b>                         |                                |                     |                    |  |                     |        |                                  |                     |        |   |  |                             |   |
| Pre-primary or none                      | 7.8                            | 4.8                 | 12.6               | 21.5   | 49.1                | 70.6   | 29.3                             | 53.9                | 83.2   | 338   | 84.8   | 82.6                        | 281   |
| Primary                                  | 2.9                            | 4.9                 | 7.8                | 10.1   | 65.9                | 76.0   | 13.0                             | 70.7                | 83.7   | 2,567   | 90.7   | 89.3                        | 2,149   |
| Lower secondary                          | 3.2                            | 5.2                 | 8.4                | 22.0   | 52.5                | 74.5   | 25.1                             | 57.8                | 82.9   | 2,590   | 89.9   | 88.1                        | 2,147   |
| Upper secondary                          | 3.4                            | 4.2                 | 7.6                | 23.0   | 51.6                | 74.7   | 26.4                             | 55.9                | 82.3   | 2,682   | 90.7   | 88.6                        | 2,207   |
| Higher                                   | 7.4                            | 3.4                 | 10.8               | 24.5   | 44.1                | 68.6   | 31.9                             | 47.5                | 79.4   | 3,589   | 86.4   | 81.7                        | 2,849   |
| DK/Missing                               | (8.7)                          | (0.4)               | (9.1)              | (56.6)   | (20.5)              | (77.1) | (65.3)                           | (20.9)              | (86.2) | 74  | (89.4)   | (89.4)                      | 64  |
| <b>Native language of household head</b> |                                |                     |                    |  |                     |        |                                  |                     |        |   |  |                             |   |
| Thai                                     | 4.4                            | 4.3                 | 8.7                | 19.6   | 53.8                | 73.4   | 24.0                             | 58.0                | 82.1   | 10,804  | 89.4   | 86.9                        | 8,868   |
| Non-Thai                                 | 6.9                            | 4.7                 | 11.6               | 30.7   | 37.9                | 68.6   | 37.6                             | 42.6                | 80.2   | 1,036   | 85.6   | 81.7                        | 830   |
| <b>Wealth index quintile</b>             |                                |                     |                    |  |                     |        |                                  |                     |        |   |  |                             |   |
| Poorest                                  | 3.3                            | 4.1                 | 7.4                | 17.6   | 58.3                | 75.9   | 21.0                             | 62.4                | 83.3   | 2,111   | 91.1   | 89.4                        | 1,759   |
| Second                                   | 4.2                            | 5.1                 | 9.3                | 24.4   | 53.1                | 77.4   | 28.6                             | 58.2                | 86.8   | 2,296   | 89.2   | 87.5                        | 1,992   |
| Middle                                   | 5.1                            | 5.8                 | 10.8               | 21.2   | 47.6                | 68.8   | 26.2                             | 53.4                | 79.6   | 2,455   | 86.4   | 84.0                        | 1,954   |
| Fourth                                   | 4.6                            | 3.7                 | 8.3                | 19.8   | 52.5                | 72.3   | 24.5                             | 56.2                | 80.6   | 2,458   | 89.7   | 86.8                        | 1,982   |
| Richest                                  | 5.6                            | 3.0                 | 8.6                | 19.9   | 51.3                | 71.2   | 25.5                             | 54.3                | 79.8   | 2,519   | 89.2   | 84.9                        | 2,010   |

<sup>1</sup> TH indicator TM.S3 - Unmet need for family planning

<sup>2</sup> MICS indicator TM.4 - Need for family planning satisfied with modern contraception; SDG indicator 3.7.1 & 3.8.1

( ) Figures that are based on 25-49 unweighted cases.

**Table TM.3.5: Need and demand for family planning (currently unmarried/not in union)**

Percentage of women age 15-49 years who are currently unmarried or not in union with unmet and met need for family planning, total demand for family planning, and, among women with need for family planning, percentage of demand satisfied by method of contraception, Thailand, 2022

|               | Unmet need for family planning |                     |            | Met need for family planning (currently using contraception) |                     |            | Total demand for family planning |                     |            | Number of women currently unmarried or not in union | Percentage of demand for family planning satisfied with: |                | Number of women currently unmarried or not in union with need for family planning |
|---------------|--------------------------------|---------------------|------------|--|---------------------|------------|----------------------------------|---------------------|------------|---|--|----------------|---|
|               | For spacing births             | For limiting births | Total      | For spacing births   | For limiting births | Total      | For spacing births               | For limiting births | Total      |   | Any method   | Modern methods |   |
| <b>Total</b>  | <b>0.0</b>                     | <b>0.1</b>          | <b>0.1</b> | <b>0.8</b>   | <b>3.6</b>          | <b>4.4</b> | <b>0.8</b>                       | <b>3.6</b>          | <b>4.5</b> | <b>9,249</b>  | <b>98.8</b>  | <b>96.9</b>    | <b>413</b>  |
| <b>Area</b>   |                                |                     |            |  |                     |            |                                  |                     |            |   |  |                |   |
| Urban         | 0.0                            | 0.0                 | 0.0        | 0.7  | 3.1                 | 3.9        | 0.7                              | 3.1                 | 3.9        | 5,517   | 99.7   | 98.8           | 213   |
| Rural         | 0.0                            | 0.1                 | 0.1        | 1.0  | 4.3                 | 5.2        | 1.0                              | 4.4                 | 5.4        | 3,733   | 97.9   | 94.9           | 200   |
| <b>Region</b> |                                |                     |            |  |                     |            |                                  |                     |            |   |  |                |   |
| Bangkok       | 0.0                            | 0.0                 | 0.0        | 0.7  | 1.8                 | 2.5        | 0.7                              | 1.8                 | 2.5        | 1,853   | (100.0)  | (98.3)         | 46  |
| Central       | 0.0                            | 0.0                 | 0.0        | 0.7  | 3.1                 | 3.9        | 0.7                              | 3.1                 | 3.9        | 3,251   | 100.0  | 99.5           | 125   |
| North         | 0.0                            | 0.3                 | 0.3        | 1.1  | 5.1                 | 6.1        | 1.1                              | 5.4                 | 6.5        | 1,079   | 94.6   | 94.3           | 70  |
| Northeast     | 0.0                            | 0.0                 | 0.0        | 0.9  | 5.3                 | 6.3        | 0.9                              | 5.4                 | 6.3        | 2,019   | 99.3   | 95.3           | 127   |
| South         | 0.0                            | 0.0                 | 0.0        | 1.0  | 3.3                 | 4.3        | 1.0                              | 3.3                 | 4.3        | 1,047   | 99.6   | 97.3           | 45  |
| <b>Age</b>    |                                |                     |            |  |                     |            |                                  |                     |            |   |  |                |   |
| 15-19         | 0.0                            | 0.1                 | 0.1        | 0.4  | 0.1                 | 0.5        | 0.4                              | 0.2                 | 0.6        | 2,255   | (*)  | (*)            | 14  |
| 15-17         | 0.0                            | 0.2                 | 0.2        | 0.0  | 0.0                 | 0.0        | 0.0                              | 0.2                 | 0.2        | 1,526   | (*)  | (*)            | 4   |
| 18-19         | 0.0                            | 0.0                 | 0.0        | 1.1  | 0.2                 | 1.3        | 1.1                              | 0.2                 | 1.3        | 729   | (*)  | (*)            | 10  |
| 20-24         | 0.0                            | 0.1                 | 0.1        | 1.3  | 0.3                 | 1.6        | 1.3                              | 0.4                 | 1.6        | 1,428   | (95.9)   | (95.4)         | 23  |
| 25-29         | 0.0                            | 0.0                 | 0.0        | 1.9  | 1.3                 | 3.2        | 1.9                              | 1.3                 | 3.2        | 1,541   | 99.1   | 97.5           | 49  |
| 30-34         | 0.0                            | 0.0                 | 0.0        | 0.6  | 3.4                 | 4.0        | 0.6                              | 3.4                 | 4.0        | 1,057   | 99.5   | 99.5           | 42  |
| 35-39         | 0.0                            | 0.0                 | 0.0        | 0.7  | 6.0                 | 6.7        | 0.7                              | 6.0                 | 6.7        | 971   | 100.0  | 99.2           | 65  |
| 40-44         | 0.0                            | 0.0                 | 0.0        | 0.5  | 10.6                | 11.1       | 0.5                              | 10.6                | 11.1       | 958   | 100.0  | 94.7           | 106   |
| 45-49         | 0.0                            | 0.0                 | 0.0        | 0.3  | 10.7                | 10.9       | 0.3                              | 10.7                | 10.9       | 1,039   | 100.0  | 99.5           | 114   |



Table TM.3.5: Need and demand for family planning (currently unmarried/not in union) (continued)

Percentage of women age 15-49 years who are currently unmarried or not in union with unmet and met need for family planning, total demand for family planning, and, among women with need for family planning, percentage of demand satisfied by method of contraception, Thailand, 2022

|  | Unmet need for family planning |                     |       | Met need for family planning (currently using contraception) |                     |       | Total demand for family planning |                     |       | Number of women currently unmarried or not in union | Percentage of demand for family planning satisfied with: |                | Number of women currently unmarried or not in union with need for family planning |
|--|--------------------------------|---------------------|-------|--|---------------------|-------|----------------------------------|---------------------|-------|---|--|----------------|---|
|  | For spacing births             | For limiting births | Total | For spacing births   | For limiting births | Total | For spacing births               | For limiting births | Total |   | Any method   | Modern methods |   |
| <b>Education</b>                         |                                |                     |       |  |                     |       |                                  |                     |       |   |  |                |   |
| Pre-primary or none                      | 0.0                            | 0.0                 | 0.0   | 2.9  | 10.6                | 13.5  | 2.9                              | 10.6                | 13.5  | 98  | (*)  | (*)            | 13  |
| Primary                                  | 0.0                            | 0.1                 | 0.1   | 0.8  | 13.2                | 14.0  | 0.8                              | 13.3                | 14.1  | 672   | 99.6   | 99.3           | 95  |
| Lower secondary                          | 0.0                            | 0.1                 | 0.1   | 1.0  | 8.6                 | 9.5   | 1.0                              | 8.7                 | 9.6   | 1,226   | 99.0   | 98.0           | 118   |
| Upper secondary                          | 0.0                            | 0.1                 | 0.1   | 0.7  | 1.7                 | 2.4   | 0.7                              | 1.8                 | 2.5   | 2,775   | 95.2   | 95.2           | 70  |
| Higher                                   | 0.0                            | 0.0                 | 0.0   | 0.8  | 1.8                 | 2.6   | 0.8                              | 1.8                 | 2.6   | 4,423   | 100.0  | 94.7           | 117   |
| DK/Missing                               | (0.0)                          | (0.0)               | (0.0) | (0.0)  | (0.0)               | (0.0) | (0.0)                            | (0.0)               | (0.0) | 56  | –  | –              | 0   |
| <b>Native language of household head</b> |                                |                     |       |  |                     |       |                                  |                     |       |   |  |                |   |
| Thai                                     | 0.0                            | 0.1                 | 0.1   | 0.8  | 3.7                 | 4.4   | 0.8                              | 3.7                 | 4.5   | 8,789   | 98.8   | 96.8           | 395   |
| Non-Thai                                 | 0.0                            | 0.0                 | 0.0   | 1.5  | 2.4                 | 3.9   | 1.5                              | 2.4                 | 3.9   | 461   | (*)  | (*)            | 18  |
| <b>Wealth index quintile</b>             |                                |                     |       |  |                     |       |                                  |                     |       |   |  |                |   |
| Poorest                                  | 0.0                            | 0.1                 | 0.1   | 0.7  | 5.5                 | 6.1   | 0.7                              | 5.6                 | 6.2   | 1,112   | 98.0   | 98.0           | 69  |
| Second                                   | 0.0                            | 0.0                 | 0.0   | 0.9  | 5.1                 | 6.0   | 0.9                              | 5.1                 | 6.0   | 1,889   | 99.8   | 94.1           | 113   |
| Middle                                   | 0.0                            | 0.0                 | 0.0   | 1.2  | 3.9                 | 5.0   | 1.2                              | 3.9                 | 5.1   | 1,903   | 99.8   | 98.8           | 96  |
| Fourth                                   | 0.0                            | 0.2                 | 0.2   | 0.6  | 2.8                 | 3.4   | 0.6                              | 2.9                 | 3.5   | 1,973   | 95.6   | 95.1           | 70  |
| Richest                                  | 0.0                            | 0.0                 | 0.0   | 0.8  | 1.9                 | 2.7   | 0.8                              | 1.9                 | 2.7   | 2,372   | 100.0  | 99.9           | 65  |

'–' denotes 0 unweighted case in the denominator.

( ) Figures that are based on 25-49 unweighted cases.

(\*) Figures that are based on less than 25 unweighted cases.

| Table TM.3.6: Cause of failure to prevent pregnancy   |   |                         |             |   |                    |            |              |   |
|---|---|-------------------------|-------------|---|--------------------|------------|--------------|---|
| Percentage of women age 15-49 years with a live birth in the last 2 years who did not wish to have last child by main cause of failure to prevent pregnancy, Thailand, 2022 |   |                         |             |   |                    |            |              |   |
|   | Percentage of women who did not wish to have last child |                         |             |   |                    |            | Total        | Number of women with a live birth in the last 2 years but did not wish to have last child |
|   | But wanted to have later                                | And wanted none/No more | No response | Reported main cause of failure to prevent pregnancy |                    |            |              |   |
|   |   |                         |             | Personal <sup>1A</sup>                              | Other <sup>B</sup> | Missing    |              |   |
| <b>Total</b>  | <b>45.1</b>   | <b>52.3</b>             | <b>2.6</b>  | <b>97.7</b>   | <b>1.7</b>         | <b>0.6</b> | <b>100.0</b> | <b>207</b>  |
| <b>Area</b>   |   |                         |             |   |                    |            |              |   |
| Urban   | 41.2  | 53.9                    | 4.9         | 97.8  | 0.9                | 1.3        | 100.0        | 90  |
| Rural   | 48.1  | 51.0                    | 1.0         | 97.7  | 2.2                | 0.1        | 100.0        | 117   |
| <b>Region</b>   |   |                         |             |   |                    |            |              |   |
| Bangkok   | (50.6)  | (38.6)                  | (10.8)      | (98.6)  | (0.9)              | (0.5)      | 100.0        | 28  |
| Central   | 37.2  | 59.9                    | 2.8         | 98.4  | 1.6                | 0.0        | 100.0        | 64  |
| North   | 37.8  | 62.2                    | 0.0         | 95.3  | 4.1                | 0.6        | 100.0        | 34  |
| Northeast   | 57.0  | 41.9                    | 1.1         | 97.6  | 0.8                | 1.6        | 100.0        | 45  |
| South   | 46.8  | 52.9                    | 0.3         | 98.2  | 1.2                | 0.6        | 100.0        | 36  |
| <b>Age</b>  |   |                         |             |   |                    |            |              |   |
| 15-19   | 57.7  | 39.4                    | 2.9         | 95.8  | 4.2                | 0.0        | 100.0        | 41  |
| 15-17   | (60.3)  | (38.4)                  | (1.4)       | (99.1)  | (0.9)              | (0.0)      | 100.0        | 20  |
| 18-19   | (55.3)  | (40.4)                  | (4.3)       | (92.8)  | (7.2)              | (0.0)      | 100.0        | 21  |
| 20-24   | 54.6  | 43.3                    | 2.1         | 98.6  | 1.2                | 0.2        | 100.0        | 55  |
| 25-29   | 54.9  | 45.1                    | 0.0         | 98.4  | 1.4                | 0.2        | 100.0        | 49  |
| 30-34   | 25.8  | 74.2                    | 0.0         | 98.6  | 0.9                | 0.4        | 100.0        | 33  |
| 35-39   | (9.8)   | (74.1)                  | (16.1)      | (94.7)  | (0.4)              | (4.9)      | 100.0        | 19  |
| 40-44   | (12.8)  | (87.2)                  | (0.0)       | (100.0)   | (0.0)              | (0.0)      | 100.0        | 8   |
| 45-49   | (*)   | (*)                     | (*)         | (*)   | (*)                | (*)        | 100.0        | 2   |
| <b>Education</b>  |   |                         |             |   |                    |            |              |   |
| Pre-primary or none   | (*)   | (*)                     | (*)         | (*)   | (*)                | (*)        | 100.0        | 15  |
| Primary   | 43.9  | 55.3                    | 0.8         | 98.5  | 0.9                | 0.7        | 100.0        | 24  |
| Lower secondary   | 49.6  | 46.9                    | 3.5         | 96.1  | 3.6                | 0.2        | 100.0        | 52  |
| Upper secondary   | 49.7  | 49.9                    | 0.4         | 97.3  | 1.3                | 1.4        | 100.0        | 75  |
| Higher  | 35.9  | 64.1                    | 0.0         | 99.0  | 1.0                | 0.0        | 100.0        | 35  |

**Table TM.3.6: Cause of failure to prevent pregnancy (continued)**

Percentage of women age 15-49 years with a live birth in the last 2 years who did not wish to have last child by main cause of failure to prevent pregnancy, Thailand, 2022

|  | Percentage of women who did not wish to have last child |                         |             |   |                    |         | Total | Number of women with a live birth in the last 2 years but did not wish to have last child |
|--|---|-------------------------|-------------|---|--------------------|---------|-------|---|
|  | But wanted to have later                                | And wanted none/No more | No response | Reported main cause of failure to prevent pregnancy |                    |         |       |   |
|  |   |                         |             | Personal <sup>1A</sup>                              | Other <sup>B</sup> | Missing |       |   |
| <b>Marital status</b>                    |   |                         |             |   |                    |         |       |   |
| Ever married/in union                    | 45.7  | 51.6                    | 2.7         | 97.7  | 1.7                | 0.6     | 100.0 | 203   |
| Never married/in union                   | (*)   | (*)                     | (*)         | (*)   | (*)                | (*)     | 100.0 | 4   |
| <b>Native language of household head</b> |   |                         |             |   |                    |         |       |   |
| Thai                                     | 43.0  | 54.1                    | 2.9         | 97.6  | 1.7                | 0.7     | 100.0 | 180   |
| Non-Thai                                 | (59.3)  | (40.1)                  | (0.6)       | (98.3)  | (1.4)              | (0.3)   | 100.0 | 27  |
| <b>Wealth index quintile</b>             |   |                         |             |   |                    |         |       |   |
| Poorest                                  | 50.1  | 44.6                    | 5.3         | 96.7  | 3.2                | 0.1     | 100.0 | 62  |
| Second                                   | 40.4  | 55.0                    | 4.5         | 99.0  | 1.0                | 0.0     | 100.0 | 44  |
| Middle                                   | 42.6  | 57.4                    | 0.0         | 98.1  | 0.6                | 1.4     | 100.0 | 62  |
| Fourth                                   | 52.9  | 46.6                    | 0.5         | 97.6  | 2.0                | 0.5     | 100.0 | 30  |
| Richest                                  | (20.9)  | (79.1)                  | (0.0)       | (96.0)  | (1.0)              | (2.9)   | 100.0 | 8   |

<sup>1</sup> TH indicator TM.S4 - Cause of failure to prevent pregnancy

<sup>A</sup> Safe period calculation birth control but pregnant, other birth control method but pregnant, recently gave birth / post miscarriage, not expected to have sex, forgot to take birth control pills, no time to seek birth control services, thought she was too old / menopause, not knew how to prevent pregnancy

<sup>B</sup> Forced to have sex, not afforded to buy birth control pills / contraceptive device, far service centre, unfriendly service centres / workers

( ) Figures that are based on 25-49 unweighted cases.

(\*) Figures that are based on less than 25 unweighted cases.

Note: The category of 'DK/Missing' in the background characteristics of 'Education' has been suppressed from the table due to small number of unweighted cases.

## 5.4 ANTENATAL CARE

The antenatal period presents important opportunities for reaching pregnant women with a number of interventions that may be vital to their health and well-being and that of their infants. For example, antenatal care can be used to inform women and families about risks and symptoms in pregnancy and about the risks of labour and delivery, and therefore it may provide the route for ensuring that pregnant women do, in practice, deliver with the assistance of a skilled health care provider. Antenatal visits also provide an opportunity to supply information on birth spacing, which is recognised as an important factor in improving infant survival.

WHO recommends a minimum of eight antenatal visits based on a review of the effectiveness of different models of antenatal care.<sup>6</sup> WHO guidelines are specific on the content on antenatal care visits, which include:

- Blood pressure measurement
- Urine testing for bacteriuria and proteinuria
- Blood testing to detect syphilis and severe anaemia
- Weight/height measurement (optional).

It is of crucial importance for pregnant women to start attending antenatal care visits as early in pregnancy as possible and ideally have the first visit during the first trimester to prevent and detect pregnancy conditions that could affect both the woman and her baby. Antenatal care should continue throughout the entire pregnancy.<sup>6</sup>

Antenatal care is a tracer indicator of the Reproductive and Maternal Health Dimension of SDG 3.8 Universal Health Coverage. The type of personnel providing antenatal care to women age 15-49 years who gave birth in the two years preceding is presented in Table TM.4.1.

Table TM.4.2 shows the number of antenatal care visits during the pregnancy of their most recent birth within the two years preceding the survey, regardless of provider, by selected characteristics. Table TM.4.2 also provides information about the timing of the first antenatal care visit.

The coverage of key services that pregnant women are expected to receive during antenatal care are shown in Table TM.4.3.

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<sup>6</sup> WHO. *WHO recommendations on antenatal care for a positive pregnancy experience*. Geneva: WHO Press, 2016. <http://apps.who.int/iris/bitstream/handle/10665/250796/9789241549912-eng.pdf?sequence=1>.

**Table TM.4.1: Antenatal care coverage**

Percent distribution of women age 15-49 years with a live birth in the last 2 years by antenatal care provider during the pregnancy of the most recent live birth, Thailand, 2022

|  | Provider of antenatal care <sup>A</sup> |               |              |               |            | No antenatal care | Total       | Percentage of women who were attended at least once by skilled health personnel <sup>1,B</sup> | Number of women with a live birth in the last 2 years |
|--|---|---------------|--------------|---------------|------------|-------------------|-------------|--|---|
|  | Medical doctor                          | Nurse/Midwife | Nurse's aide | Other/Missing |            |                   |             |  |   |
| <b>Total</b>                             | <b>84.6</b>                             | <b>14.1</b>   | <b>0.1</b>   | <b>0.1</b>    | <b>1.1</b> | <b>100.0</b>      | <b>98.8</b> | <b>1,207</b>   |   |
| <b>Area</b>                              |   |               |              |               |            |                   |             |  |   |
| Urban                                    | 85.6                                    | 12.6          | 0.0          | 0.1           | 1.7        | 100.0             | 98.2        | 559  |   |
| Rural                                    | 83.8                                    | 15.4          | 0.1          | 0.1           | 0.6        | 100.0             | 99.3        | 648  |   |
| <b>Region</b>                            |   |               |              |               |            |                   |             |  |   |
| Bangkok                                  | 94.8                                    | 5.1           | 0.0          | 0.0           | 0.1        | 100.0             | 99.9        | 126  |   |
| Central                                  | 90.7                                    | 7.2           | 0.0          | 0.1           | 2.0        | 100.0             | 97.9        | 375  |   |
| North                                    | 73.2                                    | 24.2          | 0.3          | 0.3           | 1.9        | 100.0             | 97.8        | 186  |   |
| Northeast                                | 87.8                                    | 11.9          | 0.0          | 0.0           | 0.3        | 100.0             | 99.7        | 288  |   |
| South                                    | 74.6                                    | 24.8          | 0.1          | 0.0           | 0.5        | 100.0             | 99.5        | 232  |   |
| <b>Education</b>                         |   |               |              |               |            |                   |             |  |   |
| Pre-primary or none                      | 83.4                                    | 4.4           | 0.0          | 0.9           | 11.2       | 100.0             | 87.8        | 43   |   |
| Primary                                  | 68.5                                    | 30.4          | 0.2          | 0.2           | 0.7        | 100.0             | 99.1        | 140  |   |
| Lower secondary                          | 78.7                                    | 20.0          | 0.2          | 0.0           | 1.2        | 100.0             | 98.8        | 282  |   |
| Upper secondary                          | 84.0                                    | 15.6          | 0.0          | 0.1           | 0.2        | 100.0             | 99.7        | 316  |   |
| Higher                                   | 94.3                                    | 4.8           | 0.0          | 0.0           | 0.9        | 100.0             | 99.1        | 413  |   |
| <b>Age at most recent live birth</b>     |   |               |              |               |            |                   |             |  |   |
| Less than 20                             | 79.7                                    | 18.4          | 0.3          | 0.3           | 1.3        | 100.0             | 98.4        | 105  |   |
| 20-34                                    | 84.3                                    | 14.5          | 0.0          | 0.0           | 1.2        | 100.0             | 98.8        | 866  |   |
| 35-49                                    | 88.2                                    | 10.7          | 0.1          | 0.1           | 0.9        | 100.0             | 99.0        | 236  |   |
| <b>Native language of household head</b> |   |               |              |               |            |                   |             |  |   |
| Thai                                     | 88.0                                    | 11.0          | 0.1          | 0.1           | 0.8        | 100.0             | 99.1        | 1,036  |   |
| Non-Thai                                 | 64.3                                    | 32.7          | 0.1          | 0.0           | 3.0        | 100.0             | 97.0        | 172  |   |
| <b>Wealth index quintile</b>             |   |               |              |               |            |                   |             |  |   |
| Poorest                                  | 74.8                                    | 23.0          | 0.1          | 0.0           | 2.0        | 100.0             | 98.0        | 257  |   |
| Second                                   | 79.8                                    | 18.4          | 0.1          | 0.3           | 1.4        | 100.0             | 98.3        | 249  |   |
| Middle                                   | 86.3                                    | 12.9          | 0.0          | 0.2           | 0.6        | 100.0             | 99.3        | 259  |   |
| Fourth                                   | 88.7                                    | 11.3          | 0.0          | 0.0           | 0.0        | 100.0             | 100.0       | 218  |   |
| Richest                                  | 95.3                                    | 3.2           | 0.1          | 0.0           | 1.4        | 100.0             | 98.6        | 226  |   |

<sup>1</sup> MICS indicator TM.5a - Antenatal care coverage (at least once by skilled health personnel)

<sup>A</sup> Only the most qualified provider is considered in cases where more than one provider was reported.

<sup>B</sup> Skilled providers include medical doctor, nurse/midwife and nurse's aide.

Note: The category of 'DK/Missing' in the background characteristics of 'Education' has been suppressed from the table due to small number of unweighted cases.

**Table TM.4.2: Number of antenatal care visits and timing of first visit**

Percentage of women age 15-49 years with a live birth in the last 2 years by number of antenatal care visits by any provider and percent distribution of timing of first antenatal care visit during the pregnancy of the most recent live birth, and median months pregnant at first ANC visit among women with at least one ANC visit, Thailand, 2022

|                     | Percentage of women by number of antenatal care visits: |                            |   |   |   |             | Percent distribution of women by number of months pregnant at the time of first antenatal care visit |                    |            |            |           |             |       | Number of women with a live birth in the last 2 years | Median months pregnant at first ANC visit | Number of women with a live birth in the last 2 years who had at least one ANC visit |
|---------------------|---|----------------------------|---|---|---|-------------|--|--------------------|------------|------------|-----------|-------------|-------|---|---|--|
|                     | No visits   | 1-3 visits to any provider | 4 or more visits to any provider <sup>1</sup> | 5 or more visits to any provider <sup>2</sup> | 8 or more visits to any provider <sup>3</sup> | DK/ Missing | No antenatal care visits   | Less than 4 months | 4-5 months | 6-7 months | 8+ months | DK/ Missing | Total |   |   |  |
| <b>Total</b>        | 1.1   | 5.6                        | 88.3  | 85.5  | 60.7  | 5.0         | 1.1  | 83.9               | 12.0       | 2.4        | 0.5       | 0.0         | 100.0 | 1,207   | 2   | 1,194  |
| <b>Area</b>         |   |                            |   |   |   |             |  |                    |            |            |           |             |       |   |   |  |
| Urban               | 1.7   | 5.8                        | 85.6  | 83.7  | 55.9  | 6.9         | 1.7  | 85.6               | 10.5       | 2.1        | 0.1       | 0.1         | 100.0 | 559   | 2   | 549  |
| Rural               | 0.6   | 5.3                        | 90.6  | 87.1  | 64.7  | 3.4         | 0.6  | 82.5               | 13.3       | 2.7        | 0.9       | 0.0         | 100.0 | 648   | 2   | 644  |
| <b>Region</b>       |   |                            |   |   |   |             |  |                    |            |            |           |             |       |   |   |  |
| Bangkok             | 0.1   | 3.0                        | 91.5  | 90.9  | 59.8  | 5.4         | 0.1  | 92.0               | 7.5        | 0.0        | 0.1       | 0.2         | 100.0 | 126   | 2   | 126  |
| Central             | 2.0   | 4.5                        | 90.2  | 87.9  | 62.6  | 3.3         | 2.0  | 86.8               | 9.2        | 1.9        | 0.1       | 0.0         | 100.0 | 375   | 2   | 368  |
| North               | 1.9   | 16.9                       | 74.7  | 72.1  | 48.6  | 6.6         | 1.9  | 76.7               | 18.4       | 3.0        | 0.0       | 0.0         | 100.0 | 186   | 2   | 183  |
| Northeast           | 0.3   | 3.3                        | 91.3  | 85.1  | 61.8  | 5.1         | 0.3  | 82.0               | 15.2       | 2.0        | 0.5       | 0.0         | 100.0 | 288   | 2   | 287  |
| South               | 0.5   | 2.3                        | 90.8  | 90.1  | 66.3  | 6.4         | 0.5  | 83.1               | 9.9        | 4.6        | 1.9       | 0.0         | 100.0 | 232   | 2   | 231  |
| <b>Education</b>    |   |                            |   |   |   |             |  |                    |            |            |           |             |       |   |   |  |
| Pre-primary or none | 11.2  | 4.4                        | 83.3  | 81.3  | 30.6  | 1.1         | 11.2   | 76.9               | 9.8        | 2.1        | 0.0       | 0.0         | 100.0 | 43  | 2   | 38   |
| Primary             | 0.7   | 12.8                       | 78.2  | 68.9  | 45.9  | 8.2         | 0.7  | 64.3               | 26.2       | 8.4        | 0.4       | 0.0         | 100.0 | 140   | 3   | 139  |
| Lower secondary     | 1.2   | 7.2                        | 85.7  | 83.6  | 57.7  | 5.9         | 1.2  | 83.3               | 12.2       | 3.3        | 0.1       | 0.0         | 100.0 | 282   | 2   | 278  |
| Upper secondary     | 0.2   | 3.6                        | 92.6  | 91.4  | 60.6  | 3.6         | 0.2  | 82.9               | 15.4       | 1.4        | 0.0       | 0.0         | 100.0 | 316   | 2   | 315  |
| Higher              | 0.9   | 3.1                        | 91.4  | 89.6  | 71.2  | 4.7         | 0.9  | 93.7               | 3.4        | 0.7        | 1.3       | 0.1         | 100.0 | 413   | 2   | 409  |

**Table TM.4.2: Number of antenatal care visits and timing of first visit (continued)**

Percentage of women age 15-49 years with a live birth in the last 2 years by number of antenatal care visits by any provider and percent distribution of timing of first antenatal care visit during the pregnancy of the most recent live birth, and median months pregnant at first ANC visit among women with at least one ANC visit, Thailand, 2022

|  | Percentage of women by number of antenatal care visits: |                            |   |   |   |             | Percent distribution of women by number of months pregnant at the time of first antenatal care visit |                    |            |            |           |             |       | Number of women with a live birth in the last 2 years | Median months pregnant at first ANC visit | Number of women with a live birth in the last 2 years who had at least one ANC visit |
|--|---|----------------------------|---|---|---|-------------|--|--------------------|------------|------------|-----------|-------------|-------|---|---|--|
|  | No visits   | 1-3 visits to any provider | 4 or more visits to any provider <sup>1</sup> | 5 or more visits to any provider <sup>2</sup> | 8 or more visits to any provider <sup>3</sup> | DK/ Missing | No antenatal care visits   | Less than 4 months | 4-5 months | 6-7 months | 8+ months | DK/ Missing | Total |   |   |  |
| <b>Age at most recent live birth</b>     |   |                            |   |   |   |             |  |                    |            |            |           |             |       |   |   |  |
| Less than 20                             | 1.3   | 7.1                        | 80.6  | 78.0  | 32.5  | 11.1        | 1.3  | 75.0               | 21.4       | 2.3        | 0.0       | 0.0         | 100.0 | 105   | 2   | 104  |
| 20-34                                    | 1.2   | 5.7                        | 89.1  | 86.7  | 62.7  | 4.0         | 1.2  | 85.2               | 11.7       | 1.9        | 0.1       | 0.0         | 100.0 | 866   | 2   | 856  |
| 35-49                                    | 0.9   | 4.3                        | 88.6  | 84.5  | 65.8  | 6.3         | 0.9  | 83.4               | 9.0        | 4.5        | 2.2       | 0.1         | 100.0 | 236   | 2   | 234  |
| <b>Native language of household head</b> |   |                            |   |   |   |             |  |                    |            |            |           |             |       |   |   |  |
| Thai                                     | 0.8   | 4.7                        | 89.5  | 86.8  | 61.4  | 5.0         | 0.8  | 85.5               | 10.4       | 2.7        | 0.5       | 0.0         | 100.0 | 1,036   | 2   | 1,027  |
| Non-Thai                                 | 3.0   | 10.9                       | 81.1  | 77.8  | 56.2  | 5.0         | 3.0  | 74.5               | 21.6       | 0.6        | 0.3       | 0.0         | 100.0 | 172   | 2   | 167  |
| <b>Wealth index quintile</b>             |   |                            |   |   |   |             |  |                    |            |            |           |             |       |   |   |  |
| Poorest                                  | 2.0   | 10.5                       | 83.3  | 76.5  | 56.7  | 4.1         | 2.0  | 75.6               | 20.2       | 2.0        | 0.1       | 0.0         | 100.0 | 257   | 2   | 251  |
| Second                                   | 1.4   | 7.0                        | 87.4  | 84.3  | 52.1  | 4.2         | 1.4  | 82.4               | 11.5       | 4.4        | 0.2       | 0.0         | 100.0 | 249   | 2   | 245  |
| Middle                                   | 0.6   | 3.3                        | 88.5  | 87.9  | 52.8  | 7.6         | 0.6  | 80.3               | 15.2       | 4.0        | 0.0       | 0.0         | 100.0 | 259   | 2   | 257  |
| Fourth                                   | 0.0   | 3.9                        | 90.0  | 89.7  | 70.5  | 6.1         | 0.0  | 91.4               | 7.6        | 0.3        | 0.7       | 0.0         | 100.0 | 218   | 2   | 218  |
| Richest                                  | 1.4   | 2.5                        | 93.0  | 90.3  | 74.0  | 3.1         | 1.4  | 92.1               | 3.9        | 0.7        | 1.8       | 0.1         | 100.0 | 226   | 2   | 222  |

<sup>1</sup> MICS indicator TM.5b - Antenatal care coverage (at least four times by any provider); SDG indicator 3.8.1

<sup>2</sup> TH indicator TM.S5 - Antenatal care coverage (at least five times by any provider)

<sup>3</sup> MICS indicator TM.5c - Antenatal care coverage (at least eight times by any provider)

Note: The category of 'DK/Missing' in the background characteristics of 'Education' has been suppressed from the table due to small number of unweighted cases.

**Table TM.4.3: Content of antenatal care**

Percentage of women age 15-49 years with a live birth in the last 2 years who, at least once, had their blood pressure measured, urine sample taken, blood sample taken, and screening test for thalassemia as part of antenatal care, during the pregnancy of the most recent live birth, Thailand, 2022

|  | Percentage of women who, during the pregnancy of the most recent live birth, had: |                    |                    |  |   | Number of women with a live birth in the last 2 years |
|--|---|--------------------|--------------------|--|---|---|
|  | Blood pressure measured   | Urine sample taken | Blood sample taken | Blood pressure measured, urine and blood sample taken <sup>1</sup> | Screening test for thalassemia <sup>2</sup> |   |
| <b>Total</b>                             | <b>98.8</b>   | <b>98.1</b>        | <b>98.5</b>        | <b>97.8</b>  | <b>93.3</b>                                 | <b>1,207</b>  |
| <b>Area</b>                              |   |                    |                    |  |   |   |
| Urban                                    | 98.3  | 98.1               | 98.3               | 98.1   | 91.9  | 559   |
| Rural                                    | 99.2  | 98.1               | 98.8               | 97.6   | 94.5  | 648   |
| <b>Region</b>                            |   |                    |                    |  |   |   |
| Bangkok                                  | 99.9  | 99.9               | 99.9               | 99.9   | 89.6  | 126   |
| Central                                  | 97.9  | 97.7               | 97.8               | 97.4   | 91.8  | 375   |
| North                                    | 98.1  | 97.4               | 98.1               | 97.4   | 93.7  | 186   |
| Northeast                                | 99.7  | 98.4               | 99.6               | 98.4   | 96.2  | 288   |
| South                                    | 99.0  | 98.1               | 98.1               | 97.2   | 93.7  | 232   |
| <b>Education</b>                         |   |                    |                    |  |   |   |
| Pre-primary or none                      | 88.8  | 88.8               | 88.8               | 88.8   | 67.4  | 43  |
| Primary                                  | 99.3  | 96.6               | 99.3               | 96.6   | 92.8  | 140   |
| Lower secondary                          | 98.7  | 98.5               | 98.0               | 97.6   | 93.6  | 282   |
| Upper secondary                          | 99.5  | 99.1               | 99.5               | 99.0   | 94.3  | 316   |
| Higher                                   | 99.1  | 98.6               | 98.9               | 98.4   | 96.3  | 413   |
| <b>Age at most recent live birth</b>     |   |                    |                    |  |   |   |
| Less than 20                             | 98.7  | 97.9               | 98.7               | 97.9   | 92.9  | 105   |
| 20-34                                    | 98.7  | 98.0               | 98.4               | 97.6   | 93.1  | 866   |
| 35-49                                    | 99.1  | 98.8               | 99.1               | 98.8   | 94.1  | 236   |
| <b>Native language of household head</b> |   |                    |                    |  |   |   |
| Thai                                     | 99.1  | 98.5               | 98.8               | 98.1   | 94.4  | 1,036   |
| Non-Thai                                 | 97.0  | 96.0               | 97.0               | 96.0   | 86.7  | 172   |
| <b>Wealth index quintile</b>             |   |                    |                    |  |   |   |
| Poorest                                  | 98.0  | 96.5               | 97.5               | 96.0   | 91.0  | 257   |
| Second                                   | 98.2  | 97.8               | 97.8               | 97.2   | 90.2  | 249   |
| Middle                                   | 99.3  | 99.1               | 99.3               | 99.1   | 93.8  | 259   |
| Fourth                                   | 100.0   | 98.9               | 99.6               | 98.6   | 97.0  | 218   |
| Richest                                  | 98.6  | 98.4               | 98.6               | 98.4   | 95.2  | 226   |

<sup>1</sup> MICS indicator TM.6 - Content of antenatal care<sup>A</sup>

<sup>2</sup> TH indicator TM.S6 - Screening test for thalassemia

<sup>A</sup> For HIV testing and counselling during antenatal care, please refer to table TM.9.7

Note: The category of 'DK/Missing' in the background characteristics of 'Education' has been suppressed from the table due to small number of unweighted cases.



## 5.5 NEONATAL TETANUS

Tetanus immunisation during pregnancy can be life-saving for both the mother and the infant.<sup>7</sup> WHO estimated that neonatal tetanus killed more than 31,000 newborn children in 2016 within their first month of life.<sup>8</sup>

SDG 3.1 aims at reducing by 2030 the global maternal mortality ratio to less than 70 per 100,000 live births. Eliminating maternal tetanus is one of the strategies used to achieve SDG target 3.1.

The strategy for preventing maternal and neonatal tetanus is to ensure that all pregnant women receive at least two doses of tetanus toxoid vaccine. If a woman has not received at least two doses of tetanus toxoid during a particular pregnancy, she (and her newborn) are also considered to be protected against tetanus if the woman:

- Received at least two doses of tetanus toxoid vaccine, the last within the previous 3 years;
- Received at least 3 doses, the last within the previous 5 years;
- Received at least 4 doses, the last within the previous 10 years;
- Received 5 or more doses anytime during her life.<sup>9</sup>

To assess the status of tetanus vaccination coverage, women who had a live birth during the two years before the survey were asked if they had received tetanus toxoid injections during the pregnancy for their most recent birth, and if so, how many. Women who did not receive two or more tetanus toxoid vaccinations during this recent pregnancy were then asked about tetanus toxoid vaccinations they may have previously received. Interviewers also asked women to present their vaccination card on which dates of tetanus toxoid are recorded and referred to information from the cards when available.

Table TM.5.1 shows the protection status from tetanus of women who have had a live birth within the last 2 years.

| Table TM.5.1: Neonatal tetanus protection   |  |  |  |   |  |   |
|---|--|--|--|---|--|---|
| Percentage of women age 15-49 years with a live birth in the last 2 years whose most recent live birth was protected against neonatal tetanus, Thailand, 2022 |  |  |  |   |  |   |
|   | Percentage of women who received at least 2 tetanus toxoid containing vaccine doses during the pregnancy of the most recent live birth | Percentage of women who did not receive two or more doses during pregnancy but received: |  |   | Protected against tetanus <sup>1</sup> | Number of women with a live birth in the last 2 years |
|   |  | 2 doses, the last within prior 3 years   | 3 doses, the last within prior 5 years | 4 doses, the last within prior 10 years |  |   |
| <b>Total</b>  | <b>49.1</b>  | <b>26.2</b>  | <b>0.7</b>                             | <b>0.0</b>                              | <b>76.0</b>                            | <b>1,207</b>  |
| <b>Area</b>   |  |  |  |   |  |   |
| Urban   | 51.4   | 24.2   | 0.3                                    | 0.0                                     | 75.9                                   | 559   |
| Rural   | 47.1   | 28.0   | 1.0                                    | 0.1                                     | 76.1                                   | 648   |
| <b>Region</b>   |  |  |  |   |  |   |
| Bangkok   | 61.6   | 13.4   | 0.0                                    | 0.0                                     | 75.0                                   | 126   |
| Central   | 52.0   | 22.1   | 0.6                                    | 0.0                                     | 74.7                                   | 375   |
| North   | 36.6   | 36.0   | 1.3                                    | 0.0                                     | 73.8                                   | 186   |
| Northeast   | 46.7   | 29.2   | 0.2                                    | 0.0                                     | 76.2                                   | 288   |
| South   | 50.7   | 28.4   | 1.1                                    | 0.2                                     | 80.4                                   | 232   |

<sup>7</sup> Roper, M., J. Vandelaer, and F. Gasse. "Maternal and Neonatal Tetanus." *The Lancet* 370, no. 9603 (2007): 1947-959. doi:10.1016/s0140-6736(07)61261-6.

<sup>8</sup> "Global Health Estimates." World Health Organization. Accessed August 28, 2018. [http://www.who.int/healthinfo/global\\_burden\\_disease/en/](http://www.who.int/healthinfo/global_burden_disease/en/).

<sup>9</sup> Deming M. et al. "Tetanus Toxoid Coverage as an Indicator of Serological Protection against Neonatal Tetanus." *Bulletin of the World Health Organization* 80, no. 9 (2002): 696-703. doi: PMC2567620.

**Table TM.5.1: Neonatal tetanus protection (continued)**

Percentage of women age 15-49 years with a live birth in the last 2 years whose most recent live birth was protected against neonatal tetanus, Thailand, 2022

|  | Percentage of women who received at least 2 tetanus toxoid containing vaccine doses during the pregnancy of the most recent live birth | Percentage of women who did not receive two or more doses during pregnancy but received: |  |   | Protected against tetanus <sup>1</sup> | Number of women with a live birth in the last 2 years |
|--|--|--|--|---|--|---|
|  |  | 2 doses, the last within prior 3 years   | 3 doses, the last within prior 5 years | 4 doses, the last within prior 10 years |  |   |
| <b>Mother's education</b>                |  |  |  |   |  |   |
| Pre-primary or none                      | 19.6   | 36.4   | 0.0                                    | 0.0                                     | 56.0                                   | 43  |
| Primary                                  | 43.0   | 27.8   | 0.7                                    | 0.0                                     | 71.5                                   | 140   |
| Lower secondary                          | 50.2   | 27.3   | 1.2                                    | 0.0                                     | 78.7                                   | 282   |
| Upper secondary                          | 47.8   | 24.7   | 0.7                                    | 0.0                                     | 73.2                                   | 316   |
| Higher                                   | 53.5   | 25.9   | 0.4                                    | 0.1                                     | 79.9                                   | 413   |
| <b>Native language of household head</b> |  |  |  |   |  |   |
| Thai                                     | 50.2   | 26.6   | 0.6                                    | 0.0                                     | 77.4                                   | 1,036   |
| Non-Thai                                 | 42.3   | 24.2   | 1.2                                    | 0.0                                     | 67.7                                   | 172   |
| <b>Wealth index quintile</b>             |  |  |  |   |  |   |
| Poorest                                  | 39.5   | 30.4   | 1.1                                    | 0.0                                     | 71.0                                   | 257   |
| Second                                   | 42.7   | 27.8   | 1.0                                    | 0.0                                     | 71.6                                   | 249   |
| Middle                                   | 53.7   | 21.1   | 0.4                                    | 0.0                                     | 75.2                                   | 259   |
| Fourth                                   | 54.7   | 28.3   | 0.6                                    | 0.0                                     | 83.6                                   | 218   |
| Richest                                  | 56.4   | 23.7   | 0.2                                    | 0.2                                     | 80.5                                   | 226   |

<sup>1</sup> MICS indicator TM.7 - Neonatal tetanus protection

Note: The category of 'DK/Missing' in the background characteristics of 'Education' has been suppressed from the table due to small number of unweighted cases.

## 5.6 DELIVERY CARE

Increasing the proportion of births that are delivered in health facilities is an important factor in reducing the health risks to both the mother and the baby. Proper medical attention and hygienic conditions during delivery can reduce the risks of complications and infection that can cause morbidity and mortality to either the mother or the baby.<sup>10</sup>

Table TM.6.1 presents the percent distribution of women age 15-49 who had a live birth in the two years preceding the survey by place of delivery of the most recent birth, and the percentage of their most recent births delivered in a health facility, according to background characteristics.

About three quarters of all maternal deaths occur due to direct obstetric causes.<sup>11</sup> The single most critical intervention for safe motherhood is to ensure that a competent health worker with midwifery skills is present at every birth, and, in case of emergency, that there is a referral system in place to provide obstetric care in the right level of facility.<sup>10</sup> The skilled attendant at delivery indicator is used to track progress toward the Sustainable Development Goal 3.1 of reducing maternal mortality and it is SDG indicator 3.1.2.

<sup>10</sup> WHO. *Defining competent maternal and newborn health professionals: background document to the 2018 joint statement by WHO, UNFPA, UNICEF, ICM, ICN, FIGO and IPA: definition of skilled health personnel providing care during childbirth*. Geneva: WHO Press, 2018. <http://apps.who.int/iris/bitstream/handle/10665/272817/9789241514200-eng.pdf?sequence=1&isAllowed=y>.

<sup>11</sup> Say, L. et al. "Global Causes of Maternal Death: A WHO Systematic Analysis." *The Lancet Global Health* 2, no. 6 (2014): 323-33. doi:10.1016/s2214-109x(14)70227-x.

The MICS included questions to assess the proportion of births attended by a skilled attendant. According to the revised definition<sup>10</sup>, skilled health personnel, as referenced by SDG indicator 3.1.2, are competent maternal and newborn health professionals educated, trained and regulated to national and international standards. They are competent to: facilitate physiological processes during labour to ensure clean and safe birth; and identify and manage or refer women and/or newborns with complications. In Thailand, these competencies include medical doctor, nurse/midwife and nurse's aide.

Table TM.6.2 presents information on assistance during delivery of the most recent birth in the two years preceding the survey. Table TM.6.2 also shows information on women who delivered by caesarean section (C-section) and provides additional information on the timing of the decision to conduct a C-section (before labour pains began or after) to better assess if such decisions are mostly driven by medical or non-medical reasons.

| <b>Table TM.6.1: Place of delivery</b>  |                   |                |            |                   |              |   |   |
|---|-------------------|----------------|------------|-------------------|--------------|---|---|
| Percent distribution of women age 15-49 years with a live birth in the last 2 years by place of delivery of the most recent live birth, Thailand, 2022          |                   |                |            |                   |              |   |   |
|   | Place of delivery |                |            |                   | Total        | Delivered in health facility <sup>1</sup> | Number of women with a live birth in the last 2 years |
|   | Health facility   |                | Home       | Other/DK/ Missing |              |   |   |
|   | Public sector     | Private sector |            |                   |              |   |   |
| <b>Total</b>  | <b>92.0</b>       | <b>7.5</b>     | <b>0.3</b> | <b>0.2</b>        | <b>100.0</b> | <b>99.5</b>                               | <b>1,207</b>  |
| <b>Area</b>   |                   |                |            |                   |              |   |   |
| Urban   | 87.3              | 12.2           | 0.2        | 0.3               | 100.0        | 99.5                                      | 559   |
| Rural   | 96.0              | 3.5            | 0.4        | 0.1               | 100.0        | 99.5                                      | 648   |
| <b>Region</b>   |                   |                |            |                   |              |   |   |
| Bangkok   | 78.8              | 21.2           | 0.0        | 0.0               | 100.0        | 100.0                                     | 126   |
| Central   | 89.3              | 10.2           | 0.0        | 0.5               | 100.0        | 99.5                                      | 375   |
| North   | 91.5              | 8.2            | 0.3        | 0.0               | 100.0        | 99.7                                      | 186   |
| Northeast   | 97.8              | 1.9            | 0.2        | 0.0               | 100.0        | 99.8                                      | 288   |
| South   | 96.6              | 2.0            | 0.9        | 0.4               | 100.0        | 98.6                                      | 232   |
| <b>Education</b>  |                   |                |            |                   |              |   |   |
| Pre-primary or none   | 93.8              | 3.7            | 0.4        | 2.0               | 100.0        | 97.5                                      | 43  |
| Primary   | 95.5              | 3.4            | 1.1        | 0.0               | 100.0        | 98.9                                      | 140   |
| Lower secondary   | 97.2              | 1.8            | 0.4        | 0.5               | 100.0        | 99.1                                      | 282   |
| Upper secondary   | 96.3              | 3.5            | 0.1        | 0.1               | 100.0        | 99.7                                      | 316   |
| Higher  | 83.9              | 16.1           | 0.1        | 0.0               | 100.0        | 99.9                                      | 413   |
| <b>Age at most recent live birth</b>  |                   |                |            |                   |              |   |   |
| Less than 20  | 98.7              | 0.6            | 0.7        | 0.0               | 100.0        | 99.3                                      | 105   |
| 20-34   | 91.2              | 8.4            | 0.2        | 0.2               | 100.0        | 99.6                                      | 866   |
| 35-49   | 91.8              | 7.3            | 0.4        | 0.5               | 100.0        | 99.1                                      | 236   |
| <b>Number of antenatal care visits</b>  |                   |                |            |                   |              |   |   |
| None  | (*)               | (*)            | (*)        | (*)               | 100.0        | (*)                                       | 13  |
| 1-3 visits  | 95.8              | 4.2            | 0.0        | 0.0               | 100.0        | 100.0                                     | 67  |
| 4+ visits   | 92.1              | 7.5            | 0.3        | 0.1               | 100.0        | 99.6                                      | 1,066   |
| 5+ visits   | 91.8              | 7.7            | 0.3        | 0.1               | 100.0        | 99.6                                      | 1,033   |
| 8+ visits   | 90.5              | 9.2            | 0.2        | 0.1               | 100.0        | 99.7                                      | 732   |
| DK/Missing  | 91.8              | 7.9            | 0.3        | 0.0               | 100.0        | 99.7                                      | 61  |
| <b>Native language of household head</b>  |                   |                |            |                   |              |   |   |
| Thai  | 91.6              | 8.2            | 0.1        | 0.2               | 100.0        | 99.8                                      | 1,036   |
| Non-Thai  | 94.5              | 3.4            | 1.5        | 0.7               | 100.0        | 97.9                                      | 172   |
| <b>Wealth index quintile</b>  |                   |                |            |                   |              |   |   |
| Poorest   | 97.5              | 1.6            | 0.8        | 0.1               | 100.0        | 99.1                                      | 257   |
| Second  | 96.5              | 2.4            | 0.5        | 0.6               | 100.0        | 99.0                                      | 249   |
| Middle  | 96.9              | 2.8            | 0.1        | 0.2               | 100.0        | 99.7                                      | 259   |
| Fourth  | 90.9              | 9.1            | 0.0        | 0.0               | 100.0        | 100.0                                     | 218   |
| Richest   | 76.1              | 23.6           | 0.0        | 0.2               | 100.0        | 99.7                                      | 226   |
| <sup>1</sup> MICS indicator TM.8 - Institutional deliveries   |                   |                |            |                   |              |   |   |
| (*) Figures that are based on less than 25 unweighted cases.  |                   |                |            |                   |              |   |   |
| Note: The category of 'DK/Missing' in the background characteristics of 'Education' has been suppressed from the table due to small number of unweighted cases. |                   |                |            |                   |              |   |   |

Table TM.6.2: Assistance during delivery and caesarean section

Percent distribution of women age 15-49 years with a live birth in the last 2 years by person providing assistance at delivery of the most recent live birth, and percentage of most recent live births delivered by C-section, Thailand, 2022

|                                      | Person assisting at delivery |               |              |                         |                               |              |              | Percent delivered by C-section                          |                                      |                                     |                    |   | Number of women with more than one live birth and had a live birth in the last 2 years |   |
|--------------------------------------|------------------------------|---------------|--------------|-------------------------|-------------------------------|--------------|--------------|---|--------------------------------------|-------------------------------------|--------------------|---|--|---|
|                                      | Skilled attendant            |               |              | Other                   |                               |              |              | Delivery assisted by any skilled attendant <sup>1</sup> | Decided before onset of labour pains | Decided after onset of labour pains | Total <sup>2</sup> | Number of women with a live birth in the last 2 years |  | Person with repeat C-section <sup>3</sup> |
|                                      | Medical doctor               | Nurse/Midwife | Nurse's aide | Community health worker | Relative/Friend/Other/Missing | No attendant | Total        |   |                                      |                                     |                    |   |  |   |
| <b>Total</b>                         | <b>87.2</b>                  | <b>12.3</b>   | <b>0.1</b>   | <b>0.1</b>              | <b>0.2</b>                    | <b>0.1</b>   | <b>100.0</b> | <b>99.6</b>   | <b>27.8</b>                          | <b>13.1</b>                         | <b>40.9</b>        | <b>1,207</b>  | <b>70.3</b>  | <b>662</b>                                |
| <b>Area</b>                          |                              |               |              |                         |                               |              |              |   |                                      |                                     |                    |   |  |   |
| Urban                                | 91.1                         | 8.4           | 0.1          | 0.0                     | 0.4                           | 0.1          | 100.0        | 99.5  | 29.4                                 | 12.9                                | 42.3               | 559   | 71.6   | 258                                       |
| Rural                                | 84.0                         | 15.6          | 0.1          | 0.1                     | 0.1                           | 0.1          | 100.0        | 99.7  | 26.5                                 | 13.2                                | 39.7               | 648   | 69.4   | 404                                       |
| <b>Region</b>                        |                              |               |              |                         |                               |              |              |   |                                      |                                     |                    |   |  |   |
| Bangkok                              | 91.9                         | 7.9           | 0.3          | 0.0                     | 0.0                           | 0.0          | 100.0        | 100.0   | 19.5                                 | 15.8                                | 35.2               | 126   | 58.7   | 62  |
| Central                              | 92.0                         | 7.5           | 0.2          | 0.0                     | 0.4                           | 0.0          | 100.0        | 99.6  | 30.6                                 | 12.5                                | 43.1               | 375   | 80.9   | 205                                       |
| North                                | 82.3                         | 17.4          | 0.0          | 0.0                     | 0.3                           | 0.0          | 100.0        | 99.7  | 32.0                                 | 7.5                                 | 39.5               | 186   | 55.0   | 101                                       |
| Northeast                            | 88.1                         | 11.9          | 0.0          | 0.0                     | 0.0                           | 0.0          | 100.0        | 100.0   | 25.0                                 | 15.0                                | 40.0               | 288   | 66.8   | 156                                       |
| South                                | 80.0                         | 18.9          | 0.0          | 0.4                     | 0.4                           | 0.3          | 100.0        | 98.9  | 28.1                                 | 14.7                                | 42.7               | 232   | 71.9   | 139                                       |
| <b>Education</b>                     |                              |               |              |                         |                               |              |              |   |                                      |                                     |                    |   |  |   |
| Pre-primary or none                  | 91.2                         | 6.3           | 0.0          | 0.0                     | 2.5                           | 0.0          | 100.0        | 97.5  | 34.1                                 | 2.2                                 | 36.3               | 43  | 28.7   | 22  |
| Primary                              | 73.8                         | 25.8          | 0.0          | 0.2                     | 0.3                           | 0.0          | 100.0        | 99.5  | 19.3                                 | 11.3                                | 30.6               | 140   | 60.0   | 89  |
| Lower secondary                      | 85.6                         | 13.8          | 0.0          | 0.2                     | 0.4                           | 0.1          | 100.0        | 99.4  | 14.7                                 | 17.3                                | 32.0               | 282   | 49.9   | 177                                       |
| Upper secondary                      | 85.8                         | 13.9          | 0.0          | 0.0                     | 0.1                           | 0.1          | 100.0        | 99.8  | 23.1                                 | 8.7                                 | 31.8               | 316   | 72.1   | 173                                       |
| Higher                               | 93.2                         | 6.5           | 0.2          | 0.0                     | 0.0                           | 0.1          | 100.0        | 99.9  | 43.6                                 | 15.3                                | 58.9               | 413   | 83.8   | 200                                       |
| <b>Age at most recent live birth</b> |                              |               |              |                         |                               |              |              |   |                                      |                                     |                    |   |  |   |
| Less than 20                         | 79.5                         | 20.5          | 0.0          | 0.0                     | 0.0                           | 0.0          | 100.0        | 100.0   | 10.2                                 | 17.4                                | 27.6               | 105   | (63.5)   | 10  |
| 20-34                                | 86.7                         | 12.9          | 0.1          | 0.0                     | 0.2                           | 0.1          | 100.0        | 99.8  | 27.6                                 | 11.9                                | 39.5               | 866   | 69.4   | 477                                       |
| 35-49                                | 92.6                         | 6.4           | 0.0          | 0.3                     | 0.5                           | 0.1          | 100.0        | 99.0  | 36.7                                 | 15.3                                | 52.0               | 236   | 72.6   | 175                                       |

Table TM.6.2: Assistance during delivery and caesarean section (continued)

Percent distribution of women age 15-49 years with a live birth in the last 2 years by person providing assistance at delivery of the most recent live birth, and percentage of most recent live births delivered by C-section, Thailand, 2022

|  | Person assisting at delivery |               |              |                         |                               |              | Total | Percent delivered by C-section                          |                                      |                                     |                    |       | Number of women with a live birth in the last 2 years | Person with repeat C-section <sup>3</sup> | Number of women with more than one live birth and had a live birth in the last 2 years |
|--|------------------------------|---------------|--------------|-------------------------|-------------------------------|--------------|-------|---|--------------------------------------|-------------------------------------|--------------------|-------|---|---|--|
|  | Skilled attendant            |               |              | Other                   |                               |              |       | Delivery assisted by any skilled attendant <sup>1</sup> | Decided before onset of labour pains | Decided after onset of labour pains | Total <sup>2</sup> |       |   |   |  |
|  | Medical doctor               | Nurse/Midwife | Nurse's aide | Community health worker | Relative/Friend/Other/Missing | No attendant |       |   |                                      |                                     |                    |       |   |   |  |
| <b>Number of antenatal care visits</b>   |                              |               |              |                         |                               |              |       |   |                                      |                                     |                    |       |   |   |  |
| None                                     | (*)                          | (*)           | (*)          | (*)                     | (*)                           | (*)          | 100.0 | (*)   | (*)                                  | (*)                                 | (*)                | 13    | (*)   | 8   |  |
| 1-3 visits                               | 74.9                         | 25.1          | 0.0          | 0.0                     | 0.0                           | 0.0          | 100.0 | 100.0   | 15.8                                 | 5.1                                 | 20.9               | 67    | 65.6  | 32  |  |
| 4+ visits                                | 87.9                         | 11.8          | 0.1          | 0.1                     | 0.1                           | 0.1          | 100.0 | 99.7  | 29.2                                 | 13.6                                | 42.7               | 1,066 | 70.1  | 595                                       |  |
| 5+ visits                                | 88.2                         | 11.5          | 0.1          | 0.1                     | 0.1                           | 0.1          | 100.0 | 99.7  | 29.8                                 | 12.9                                | 42.7               | 1,033 | 69.8  | 580                                       |  |
| DK/Missing                               | 94.9                         | 4.8           | 0.0          | 0.0                     | 0.0                           | 0.3          | 100.0 | 99.7  | 23.7                                 | 13.9                                | 37.7               | 61    | 79.3  | 27  |  |
| <b>Place of delivery</b>                 |                              |               |              |                         |                               |              |       |   |                                      |                                     |                    |       |   |   |  |
| Home                                     | (*)                          | (*)           | (*)          | (*)                     | (*)                           | (*)          | 100.0 | (*)   | (*)                                  | (*)                                 | (*)                | 3     | (*)   | 2   |  |
| Health facility                          | 87.5                         | 12.4          | 0.1          | 0.0                     | 0.0                           | 0.0          | 100.0 | 100.0   | 28.0                                 | 13.1                                | 41.1               | 1,201 | 70.3  | 659                                       |  |
| Public                                   | 87.0                         | 12.9          | 0.1          | 0.0                     | 0.0                           | 0.0          | 100.0 | 100.0   | 25.6                                 | 13.3                                | 38.9               | 1,111 | 67.0  | 604                                       |  |
| Private                                  | 94.0                         | 5.6           | 0.4          | 0.0                     | 0.0                           | 0.0          | 100.0 | 100.0   | 56.8                                 | 11.1                                | 67.9               | 91    | 90.7  | 54  |  |
| <b>Native language of household head</b> |                              |               |              |                         |                               |              |       |   |                                      |                                     |                    |       |   |   |  |
| Thai                                     | 90.1                         | 9.7           | 0.1          | 0.1                     | 0.1                           | 0.0          | 100.0 | 99.9  | 29.7                                 | 13.7                                | 43.4               | 1,036 | 70.3  | 569                                       |  |
| Non-Thai                                 | 70.1                         | 28.1          | 0.0          | 0.1                     | 1.4                           | 0.3          | 100.0 | 98.2  | 16.8                                 | 9.1                                 | 25.9               | 172   | 71.2  | 93  |  |
| <b>Wealth index quintile</b>             |                              |               |              |                         |                               |              |       |   |                                      |                                     |                    |       |   |   |  |
| Poorest                                  | 79.4                         | 20.0          | 0.0          | 0.1                     | 0.4                           | 0.2          | 100.0 | 99.4  | 15.4                                 | 14.1                                | 29.5               | 257   | 61.0  | 142                                       |  |
| Second                                   | 82.3                         | 17.0          | 0.1          | 0.0                     | 0.6                           | 0.0          | 100.0 | 99.4  | 20.2                                 | 14.6                                | 34.7               | 249   | 60.6  | 127                                       |  |
| Middle                                   | 87.0                         | 12.4          | 0.2          | 0.2                     | 0.1                           | 0.0          | 100.0 | 99.7  | 27.3                                 | 11.0                                | 38.3               | 259   | 74.0  | 146                                       |  |
| Fourth                                   | 95.3                         | 4.7           | 0.0          | 0.0                     | 0.0                           | 0.0          | 100.0 | 100.0   | 30.4                                 | 17.8                                | 48.2               | 218   | 68.7  | 127                                       |  |
| Richest                                  | 94.1                         | 5.5           | 0.0          | 0.0                     | 0.2                           | 0.1          | 100.0 | 99.6  | 48.6                                 | 8.1                                 | 56.7               | 226   | 78.9  | 121                                       |  |

<sup>1</sup> MICS indicator TM.9 - Skilled attendant at delivery; SDG indicator 3.1.2<sup>2</sup> MICS indicator TM.10 - Caesarean section<sup>3</sup> TH indicator TM.S7 - Repeated Caesarean section

( ) Figures that are based on 25-49 unweighted cases.

(\*) Figures that are based on less than 25 unweighted cases.

Note: The category of 'DK/Missing' and 'Other/DK/Missing' in the background characteristics of 'Education' and 'Place of delivery' has been suppressed from the table due to small number of unweighted cases.

## 5.7 BIRTH WEIGHT

Weight at birth is a good indicator not only of a mother's health and nutritional status but also the newborn's chances for survival, growth, long-term health and psychosocial development. Low birth weight (LBW), defined as a birthweight less than 2,500 grams (g) regardless of gestational age, carries a range of grave health and developmental risks for children. LBW babies face a greatly increased risk of dying during their early days with more than 80% of neonatal deaths occurring in LBW newborns; recent evidence also links increased mortality risk through adolescence to LBW. For those who do survive, LBW contributes to a wide range of poor health outcomes including higher risk of stunted linear growth in childhood, and long-term effects into adulthood such as lower IQ and an increased risk of chronic conditions including obesity, diabetes and cardiovascular problems.<sup>12,13</sup>

Premature birth, being born before 37 weeks gestation, is the primary cause of LBW given that a baby born early has less time to grow and gain weight in utero, especially as much of the foetal weight is gained during the latter part of pregnancy. The other cause of LBW is intrauterine growth restriction which occurs when the foetus does not grow well because of problems with the mother's health and/or nutrition, placental problems, or birth defects. While poor dietary intake and disease during pregnancy can affect birthweight outcome, an intergenerational effect has also been noted with mothers who were themselves LBW having an increased risk of having an LBW offspring.<sup>14,15,16</sup> Short maternal stature and maternal thinness before pregnancy can increase risk of having an LBW child which can be offset by dietary interventions including micronutrient supplementation.<sup>17,18</sup> Other factors such as cigarette smoking during pregnancy can increase the risk of LBW, especially among certain age groups.<sup>19,20</sup>

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<sup>12</sup> Katz, J. et al. "Mortality Risk in Preterm and Small-for-gestational-age Infants in Low-income and Middle-income Countries: A Pooled Country Analysis." *The Lancet* 382, no. 9890 (2013): 417-25. doi:10.1016/s0140-6736(13)60993-9.

<sup>13</sup> Watkins, J., S. Kotecha, and S. Kotecha. "Correction: All-Cause Mortality of Low Birthweight Infants in Infancy, Childhood, and Adolescence: Population Study of England and Wales." *PLOS Medicine* 13, no. 5 (2016). doi:10.1371/journal.pmed.1002069.

<sup>14</sup> Abu-Saad, K., and D. Fraser. "Maternal Nutrition and Birth Outcomes." *Epidemiologic Reviews* 32, no. 1 (2010): 5-25. doi:10.1093/epirev/mxq001.

<sup>15</sup> Qian, M. et al. "The Intergenerational Transmission of Low Birth Weight and Intrauterine Growth Restriction: A Large Cross-generational Cohort Study in Taiwan." *Maternal and Child Health Journal* 21, no. 7 (2017): 1512-521. doi:10.1007/s10995-017-2276-1.

<sup>16</sup> Drake, A., and B. Walker. "The Intergenerational Effects of Fetal Programming: Non-genomic Mechanisms for the Inheritance of Low Birth Weight and Cardiovascular Risk." *Journal of Endocrinology* 180, no. 1 (2004): 1-16. doi:10.1677/joe.0.1800001.

<sup>17</sup> Han, Z. et al. 2012. "Maternal Height and the Risk of Preterm Birth and Low Birth Weight: A Systematic Review and Meta-Analyses." *Journal of Obstetrics and Gynaecology Canada* 34, no. 8 (2012): 721-46. doi:10.1016/s1701-2163(16)35337-3.

<sup>18</sup> Han, Z. et al. "Maternal Underweight and the Risk of Preterm Birth and Low Birth Weight: A Systematic Review and Meta-analyses." *International Journal of Epidemiology* 40, no. 1 (2011): 65-101. doi:10.1093/ije/dyq195.

<sup>19</sup> Periera, P. et al. 2017. "Maternal Active Smoking During Pregnancy and Low Birth Weight in the Americas: A Systematic Review and Meta-analysis." *Nicotine & Tobacco Research* 19, no. 5 (2017): 497-505. doi:10.1093/ntr/ntw228.

<sup>20</sup> Zheng, W. et al. "Association between Maternal Smoking during Pregnancy and Low Birthweight: Effects by Maternal Age." *Plos One* 11, no. 1 (2016). doi:10.1371/journal.pone.0146241.

A major limitation of monitoring LBW globally is the lack of birthweight data for many children, especially in some countries. There is a notable bias among the unweighed, with those born to poorer, less educated, rural mothers being less likely to have a birthweight when compared to their richer, urban counterparts with more highly educated mothers. As the characteristics of the unweighed are related to being LBW, LBW estimates that do not represent these children may be lower than the true value. Furthermore, poor quality of available data with regard to excessive heaping on multiples of 500 g or 100 g exists in the majority of available data from low and middle-income countries and can further bias LBW estimates.<sup>21</sup> To help overcome some of these limitations, a method was developed to adjust LBW estimates for missing birth weights and heaping on 2,500 g.<sup>22</sup> This method comprises a single imputation allowing births with missing birthweights to be included in the LBW estimate using data on maternal perception of size at birth, and also moved 25 per cent of data heaped on 2500 g to the LBW category. This was applied to available household survey data and the results were reflected in the UNICEF global LBW database between 2004 and 2017. This computation has been used in earlier rounds of MICS reports.

However, the method of estimating LBW has now been replaced with superior modelling. Currently, this new method is not ready for inclusion in the standard tabulations of MICS. Table TM.7.1 therefore presents only the percentage of children weighed at birth and the crude percentage of LBW among children weighed at birth as reported on available cards or from mother's recall. It should be noted that this crude estimate is likely not representative of the full population (typically an underestimate of true LBW prevalence) and therefore must be interpreted with some caution.

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<sup>21</sup> Blanc, A., and T. Wardlaw. "Monitoring Low Birth Weight: An Evaluation of International Estimates and an Updated Estimation Procedure." *Bulletin of the World Health Organization* 83, no. 3 (2005): 178-85. doi:PMC2624216.

<sup>22</sup> UNICEF, and WHO. *Low Birthweight: Country, regional and global estimates*. New York: UNICEF, 2004. [https://www.unicef.org/publications/files/low\\_birthweight\\_from\\_EY.pdf](https://www.unicef.org/publications/files/low_birthweight_from_EY.pdf).

**Table TM.7.1: Infants weighed at birth**

Percentage of women age 15-49 years with a live birth in the last 2 years whose most recent live-born child was weighed at birth, by source of information, and percentage of those with a recorded or recalled birthweight estimated to have weighed below 2,500 grams at birth, by source of information, Thailand, 2022

|  | Percentage of live births weighed at birth: |             |                      | Number of women with a live birth in the last 2 years | Percentage of weighed live births recorded below 2,500 grams (crude low birth-weight) <sup>2,B:</sup> |             |                    | Number of women with a live birth in the last 2 years whose most recent live-born child have a recorded or recalled birthweight |
|--|---|-------------|----------------------|---|---|-------------|--------------------|---|
|  | From card                                   | From recall | Total <sup>1,A</sup> |   | From card   | From recall | Total <sup>2</sup> |   |
| <b>Total</b>                                 | <b>78.9</b>                                 | <b>18.7</b> | <b>98.8</b>          | <b>1,207</b>  | <b>9.0</b>  | <b>1.3</b>  | <b>10.3</b>        | <b>1,179</b>  |
| <b>Area</b>                                  |   |             |                      |   |   |             |                    |   |
| Urban  | 67.1  | 29.8        | 98.0                 | 559   | 8.8   | 2.1         | 10.9               | 542   |
| Rural  | 89.1  | 9.2         | 99.4                 | 648   | 9.2   | 0.6         | 9.8                | 637   |
| <b>Region</b>                                |   |             |                      |   |   |             |                    |   |
| Bangkok                                      | 54.8  | 43.6        | 99.7                 | 126   | 10.1  | 1.1         | 11.2               | 124   |
| Central                                      | 80.0  | 18.8        | 99.5                 | 375   | 7.8   | 1.9         | 9.7                | 371   |
| North  | 86.7  | 9.1         | 97.5                 | 186   | 16.5  | 0.2         | 16.7               | 179   |
| Northeast                                    | 86.5  | 10.6        | 98.7                 | 288   | 9.1   | 1.1         | 10.3               | 279   |
| South  | 74.8  | 23.0        | 98.2                 | 232   | 4.4   | 1.3         | 5.7                | 227   |
| <b>Education</b>                             |   |             |                      |   |   |             |                    |   |
| Pre-primary or none                          | 61.2  | 30.9        | 98.0                 | 43  | 9.3   | 10.9        | 20.2               | 40  |
| Primary                                      | 83.9  | 13.7        | 99.3                 | 140   | 21.2  | 1.3         | 22.6               | 137   |
| Lower secondary                              | 81.1  | 16.4        | 97.8                 | 282   | 4.5   | 0.4         | 4.8                | 275   |
| Upper secondary                              | 83.8  | 14.4        | 99.3                 | 316   | 8.9   | 0.6         | 9.5                | 311   |
| Higher                                       | 74.9  | 22.9        | 98.9                 | 413   | 8.3   | 1.0         | 9.4                | 404   |
| <b>Mother's age at delivery</b>              |   |             |                      |   |   |             |                    |   |
| Less than 20 years                           | 86.9  | 12.6        | 99.6                 | 105   | 3.1   | 1.2         | 4.3                | 105   |
| 20-34 years                                  | 80.1  | 18.1        | 99.0                 | 866   | 9.8   | 1.6         | 11.3               | 850   |
| 35-49 years                                  | 70.9  | 23.9        | 97.4                 | 236   | 9.0   | 0.2         | 9.1                | 224   |
| <b>Place of delivery</b>                     |   |             |                      |   |   |             |                    |   |
| Home   | (*)   | (*)         | (*)                  | 3   | (*)   | (*)         | (*)                | 3   |
| Health facility                              | 79.1  | 18.7        | 98.9                 | 1,201   | 9.0   | 1.3         | 10.3               | 1,175   |
| Public                                       | 80.1  | 17.9        | 99.1                 | 1,111   | 9.0   | 1.1         | 10.1               | 1,089   |
| Private                                      | 66.6  | 28.5        | 96.8                 | 91  | 9.5   | 3.3         | 12.8               | 86  |
| <b>Birth order of most recent live birth</b> |   |             |                      |   |   |             |                    |   |
| 1  | 78.6  | 18.9        | 98.7                 | 545   | 13.4  | 1.2         | 14.6               | 531   |
| 2-3  | 78.3  | 19.6        | 98.9                 | 586   | 4.8   | 1.4         | 6.2                | 574   |
| 4-5  | 85.7  | 10.9        | 97.9                 | 64  | 11.7  | 0.0         | 11.7               | 61  |
| 6+   | (90.3)                                      | (9.6)       | (99.9)               | 12  | (4.5)   | (0.6)       | (5.1)              | 12  |
| <b>Native language of household head</b>     |   |             |                      |   |   |             |                    |   |
| Thai   | 78.9  | 19.0        | 98.9                 | 1,036   | 8.7   | 0.7         | 9.4                | 1,014   |
| Non-Thai                                     | 78.9  | 17.0        | 98.1                 | 172   | 11.2  | 4.7         | 15.8               | 165   |
| <b>Wealth index quintile</b>                 |   |             |                      |   |   |             |                    |   |
| Poorest                                      | 85.1  | 13.6        | 99.1                 | 257   | 15.8  | 2.3         | 18.1               | 253   |
| Second                                       | 83.6  | 13.5        | 99.1                 | 249   | 10.0  | 1.5         | 11.5               | 241   |
| Middle                                       | 81.1  | 17.3        | 99.3                 | 259   | 3.5   | 0.5         | 4.0                | 254   |
| Fourth                                       | 80.0  | 18.8        | 99.9                 | 218   | 8.8   | 0.6         | 9.4                | 215   |
| Richest                                      | 63.3  | 31.9        | 96.4                 | 226   | 6.7   | 1.4         | 8.1                | 215   |

<sup>1</sup> MICS indicator TM.11 - Infants weighed at birth

<sup>2</sup> TH indicator TM.S8 - Low birthweight

<sup>A</sup> The indicator includes children that were reported weighed at birth, but with no actual birthweight recorded or recalled

<sup>B</sup> The values here are as recorded on card or as reported by respondent. The total crude low birthweight typically requires adjustment for missing birthweights, as well as heaping, particularly at exactly 2,500 gram. The results presented here cannot be considered to represent the precise rate of low birthweight (very likely an underestimate) and therefore not reported as a MICS indicator.

( ) Figures that are based on 25-49 unweighted cases.

(\*) Figures that are based on less than 25 unweighted cases.

Note: The category of 'DK/Missing' and 'Other/DK/Missing' in the background characteristics of 'Education' and 'Place of delivery' has been suppressed from the table due to small number of unweighted cases.



## 5.8 POST-NATAL CARE

Essential components of the content of post-natal care include, but are not limited to, thermal and cord care, breastfeeding counselling, assessing the baby's temperature, weighing the baby and counselling the mother on danger signs for newborns. Thermal care is essential element of newborn care which contributes to keeping the baby stable and preventing hypothermia. Table TM.8.1 presents the percentage of last-born children in the last 2 years who were given skin to skin contact.

| <b>Table TM.8.1: Thermal care for newborns</b>   |   |   |
|--|---|---|
| Percentage of women age 15-49 years with a live birth in the last 2 years whose most recent live-born child was given skin to skin contact, Thailand, 2022   |   |   |
|  | Percentage of children who were given skin-to-skin contact with mother <sup>1</sup> | Number of women with a live birth in the last 2 years |
| <b>Total</b>   | <b>5.6</b>  | <b>1,207</b>  |
| <b>Area</b>  |   |   |
| Urban  | 5.9   | 559   |
| Rural  | 5.5   | 648   |
| <b>Region</b>  |   |   |
| Bangkok  | 3.9   | 126   |
| Central  | 5.4   | 375   |
| North  | 7.1   | 186   |
| Northeast  | 5.9   | 288   |
| South  | 5.4   | 232   |
| <b>Education</b>   |   |   |
| Pre-primary or none  | 4.2   | 43  |
| Primary  | 2.9   | 140   |
| Lower secondary  | 6.0   | 282   |
| Upper secondary  | 7.5   | 316   |
| Higher   | 5.3   | 413   |
| <b>Age at most recent live birth</b>   |   |   |
| Less than 20   | 7.4   | 105   |
| 20-34  | 5.4   | 866   |
| 35-49  | 5.9   | 236   |
| <b>Place of delivery</b>   |   |   |
| Home   | (*)   | 3   |
| Health facility  | 5.7   | 1,201   |
| Public   | 5.4   | 1,111   |
| Private  | 8.6   | 91  |
| <b>Native language of household head</b>   |   |   |
| Thai   | 5.8   | 1,036   |
| Non-Thai   | 4.7   | 172   |
| <b>Wealth index quintile</b>   |   |   |
| Poorest  | 6.0   | 257   |
| Second   | 3.5   | 249   |
| Middle   | 3.9   | 259   |
| Fourth   | 5.6   | 218   |
| Richest  | 9.6   | 226   |
| <sup>1</sup> MICS indicator TM.15 - Skin-to-skin care  |   |   |
| (*) Figures that are based on less than 25 unweighted cases.   |   |   |
| Note: The category of 'DK/Missing' and 'Other/DK/Missing' in the background characteristics of 'Education' and 'Place of delivery' has been suppressed from the table due to small number of unweighted cases. |   |   |

## 5.9 HIV

Some of the most important prerequisites for reducing the rate of HIV infection is accurate knowledge of how HIV is transmitted and strategies for preventing transmission.<sup>23</sup> Correct information is the first step towards raising awareness and giving adolescents and young people the tools to protect themselves from infection. Misconceptions about HIV are common and can confuse adolescents and young people and hinder prevention efforts.<sup>23, 24</sup> The UN General Assembly Special Session on HIV/AIDS (UNGASS) called on governments to improve the knowledge and skills of young people to protect themselves from HIV.<sup>23,24</sup> The HIV module administered to women and men 15-49 years of age addresses part of this call.

The Global AIDS Monitoring (GAM) Reporting indicator: the percentage of young people who have comprehensive and correct knowledge of HIV prevention and transmission, is defined as 1) knowing that consistent use of a condom during sexual intercourse and having just one uninfected faithful partner can reduce the chance of getting HIV, 2) knowing that a healthy-looking person can have HIV, and 3) rejecting the two most common local misconceptions about transmission/prevention of HIV. In the Thailand MICS 2022 all women and men who have heard of AIDS were asked questions on all three components and the results are detailed in Tables TM.9.1W and TM.9.1M.

Tables TM.9.1W and TM.9.1M also present the percentage of women and men who can correctly identify misconceptions concerning HIV. The indicator is based on the two most common and relevant misconceptions in Thailand, that HIV can be transmitted by sharing food with someone with HIV and mosquito bites. The tables also provide information on whether women and men know that HIV cannot be transmitted by supernatural means.

Knowledge of mother-to-child transmission of HIV is also an important first step for women to seek HIV testing when they are pregnant to avoid infection in the baby. Women and men should know that HIV can be transmitted during pregnancy, during delivery, and through breastfeeding. The level of knowledge among women and men age 15-49 years concerning mother-to-child transmission is presented in Tables TM.9.2W and TM.9.2M.

Tables TM.9.3W and TM.9.3M present the percentage of young women and men who studied sexuality education<sup>25</sup> in school. The percentage with other source of sexuality information among those who studied sexuality education is presented in Tables TM.9.4W and TM.9.4M

Discrimination is a human rights violation prohibited by international human rights law and most national constitutions. Discrimination in the context of HIV refers to unfair or unjust treatment (an act or an omission) of an individual based on his or her real or perceived HIV status. Discrimination exacerbates risks and deprives people of their rights and entitlements, fuelling the HIV epidemic.<sup>23</sup>

The following questions were asked in Thailand MICS 2022 to measure stigma and discriminatory attitudes that may result in discriminatory acts (or omissions): whether the respondent 1) would buy fresh vegetables from a shopkeeper or vendor who has HIV; 2) thinks that children living with HIV should be allowed to attend school with children who do not have HIV; 3) thinks people hesitate to take an HIV test because they are afraid of how other people will react if the test result is positive for HIV; 4) thinks people talk badly about those living with HIV, or who are thought to be living with HIV; 5) thinks people living with HIV, or thought to be living with HIV, lose the respect of other people; 6) agrees or disagrees with the statement 'I would be ashamed if someone in my family had HIV';

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<sup>23</sup> UNAIDS. *Global AIDS Monitoring 2018 - Indicators for monitoring the 2016 United Nations Political Declaration on Ending AIDS*. Geneva: UNAIDS, 2017. [http://www.unaids.org/sites/default/files/media\\_asset/2017-Global-AIDS-Monitoring\\_en.pdf](http://www.unaids.org/sites/default/files/media_asset/2017-Global-AIDS-Monitoring_en.pdf).

<sup>24</sup> UNAIDS et al. *Fast-Tracking Combination Prevention - Towards reducing new HIV infections to fewer than 500 000 by 2020*. Geneva: UNAIDS, 2015. [http://www.unaids.org/sites/default/files/media\\_asset/20151019\\_JC2766\\_Fast-tracking\\_combination\\_prevention.pdf](http://www.unaids.org/sites/default/files/media_asset/20151019_JC2766_Fast-tracking_combination_prevention.pdf).

<sup>25</sup> Sexuality education includes birth control, safe sex, teen pregnancy, reproductive tract infections and wellbeing, etc.

and 7) fears that she/he could get HIV if she/he comes into contact with the saliva of a person living with HIV. Tables TM.9.5W and TM.9.5M present the attitudes of women and men towards people living with HIV.

Another important indicator is the knowledge of where to be tested for HIV and use of such services. In order to protect themselves and to prevent infecting others, it is important for individuals to know their HIV status. Knowledge of own status is also a critical factor in the decision to seek treatment.<sup>23,24</sup> Questions related to knowledge of a facility for HIV testing and whether a person has ever been tested are presented in Tables TM.9.6W and TM.9.6M.

Among women who had given birth within the two years preceding the survey, the percentage who received counselling and HIV testing during antenatal care is presented in Table TM.9.7. This indicator is used to track progress towards global and national goals to eliminate mother-to-child transmission of HIV. High coverage enables early initiation of care and treatment for HIV positive mothers required to live healthy and productive lives.

In many countries, over half of new adult HIV infections are among young people age 15-24 years thus a change in behaviour among members of this age group is especially important to reduce new infections.<sup>23,24</sup> The next tables present specific information on this age group. Tables TM.9.8W and TM.9.8M summarise information on key HIV indicators for young women and young men.

**Table TM.9.1W: Knowledge about HIV transmission, misconceptions about HIV, and comprehensive knowledge about HIV transmission (women)**

Percentage of women age 15-49 years who know the main ways of preventing HIV transmission, percentage who know that a healthy-looking person can be HIV-positive, percentage who reject common misconceptions, and percentage who have comprehensive knowledge about HIV transmission, Thailand, 2022

|                    | Percentage who have heard of AIDS | Percentage who know transmission can be prevented by: |                           |             | Percentage who know that a healthy-looking person can be HIV-positive | Percentage who know that HIV cannot be transmitted by: |                    |                                    | Percentage who reject the two most common misconceptions and know that a healthy-looking person can be HIV-positive | Percentage with comprehensive knowledge <sup>1,A</sup> | Number of women |
|--------------------|-----------------------------------|---|---------------------------|-------------|---|--|--------------------|------------------------------------|---|--|-----------------|
|                    |                                   | Having only one faithful uninfected sex partner       | Using a condom every time | Both        |   | Mosquito bites   | Supernatural means | Sharing food with someone with HIV |   |  |                 |
| <b>Total</b>       | <b>97.1</b>                       | <b>93.7</b>   | <b>91.9</b>               | <b>89.6</b> | <b>85.1</b>   | <b>79.4</b>  | <b>94.1</b>        | <b>73.3</b>                        | <b>57.0</b>   | <b>53.7</b>  | <b>21,089</b>   |
| <b>Area</b>        |                                   |   |                           |             |   |  |                    |                                    |   |  |                 |
| Urban              | 97.5                              | 94.0  | 92.6                      | 90.3        | 84.9  | 82.5   | 94.9               | 74.2                               | 58.7  | 55.3   | 11,566          |
| Rural              | 96.6                              | 93.3  | 91.1                      | 88.7        | 85.3  | 75.6   | 93.3               | 72.1                               | 54.9  | 51.7   | 9,523           |
| <b>Region</b>      |                                   |   |                           |             |   |  |                    |                                    |   |  |                 |
| Bangkok            | 99.2                              | 94.8  | 94.7                      | 91.5        | 87.4  | 84.8   | 96.2               | 72.5                               | 58.6  | 55.4   | 3,464           |
| Central            | 96.8                              | 94.0  | 92.3                      | 90.3        | 84.8  | 78.9   | 92.7               | 72.8                               | 56.4  | 53.9   | 7,165           |
| North              | 97.1                              | 93.0  | 91.9                      | 89.2        | 86.4  | 80.9   | 94.9               | 78.0                               | 61.2  | 56.9   | 2,837           |
| Northeast          | 97.6                              | 94.6  | 91.5                      | 89.6        | 84.3  | 77.9   | 95.6               | 71.9                               | 54.7  | 51.1   | 4,778           |
| South              | 94.4                              | 90.7  | 88.4                      | 85.8        | 83.2  | 75.1   | 92.0               | 73.2                               | 56.3  | 52.4   | 2,846           |
| <b>Age</b>         |                                   |   |                           |             |   |  |                    |                                    |   |  |                 |
| 15-24 <sup>1</sup> | 96.6                              | 92.7  | 91.0                      | 88.1        | 86.4  | 77.5   | 94.2               | 69.3                               | 55.9  | 52.0   | 4,594           |
| 15-19              | 97.2                              | 93.2  | 92.7                      | 89.4        | 85.4  | 77.8   | 94.9               | 68.6                               | 55.6  | 52.4   | 2,442           |
| 15-17              | 97.6                              | 94.0  | 93.0                      | 90.1        | 86.9  | 77.0   | 94.9               | 68.2                               | 55.4  | 52.5   | 1,583           |
| 18-19              | 96.5                              | 91.8  | 92.3                      | 88.2        | 82.5  | 79.2   | 95.0               | 69.3                               | 56.1  | 52.4   | 860             |
| 20-24              | 96.0                              | 92.2  | 88.9                      | 86.6        | 87.5  | 77.3   | 93.4               | 70.2                               | 56.2  | 51.5   | 2,152           |
| 25-29              | 97.5                              | 94.2  | 93.1                      | 91.2        | 87.1  | 79.1   | 93.3               | 71.3                               | 56.8  | 54.1   | 3,073           |
| 30-39              | 97.3                              | 94.1  | 92.1                      | 90.0        | 84.2  | 81.0   | 94.7               | 74.3                               | 57.6  | 54.7   | 6,150           |
| 40-49              | 97.1                              | 93.7  | 91.9                      | 89.5        | 84.2  | 79.3   | 94.0               | 75.8                               | 57.3  | 53.7   | 7,272           |

**Table TM.9.1W: Knowledge about HIV transmission, misconceptions about HIV, and comprehensive knowledge about HIV transmission (women) (continued)**

Percentage of women age 15-49 years who know the main ways of preventing HIV transmission, percentage who know that a healthy-looking person can be HIV-positive, percentage who reject common misconceptions, and percentage who have comprehensive knowledge about HIV transmission, Thailand, 2022

|  | Percentage who have heard of AIDS | Percentage who know transmission can be prevented by: |                           |      | Percentage who know that a healthy-looking person can be HIV-positive | Percentage who know that HIV cannot be transmitted by: |                    |                                    | Percentage who reject the two most common misconceptions and know that a healthy-looking person can be HIV-positive | Percentage with comprehensive knowledge <sup>1,A</sup> | Number of women |
|--|-----------------------------------|---|---------------------------|------|---|--|--------------------|------------------------------------|---|--|-----------------|
|  |                                   | Having only one faithful uninfected sex partner       | Using a condom every time | Both |   | Mosquito bites   | Supernatural means | Sharing food with someone with HIV |   |  |                 |
| <b>Education</b>                         |                                   |   |                           |      |   |  |                    |                                    |   |  |                 |
| Pre-primary or none                      | 82.1                              | 74.1  | 70.9                      | 68.1 | 61.2  | 49.0   | 73.4               | 48.2                               | 29.2  | 24.6   | 435             |
| Primary                                  | 94.7                              | 90.0  | 89.2                      | 85.5 | 78.4  | 71.2   | 91.4               | 68.2                               | 47.6  | 44.4   | 3,238           |
| Lower secondary                          | 97.4                              | 94.0  | 91.9                      | 89.5 | 82.9  | 73.9   | 94.0               | 69.2                               | 48.4  | 45.2   | 3,817           |
| Upper secondary                          | 98.4                              | 95.3  | 93.0                      | 91.0 | 87.7  | 79.5   | 95.4               | 74.6                               | 57.6  | 54.4   | 5,457           |
| Higher                                   | 98.4                              | 95.7  | 94.1                      | 92.2 | 89.2  | 87.6   | 96.2               | 78.4                               | 66.7  | 63.3   | 8,012           |
| DK/Missing                               | 62.4                              | 53.8  | 50.1                      | 46.9 | 30.1  | 39.6   | 59.0               | 31.1                               | 10.6  | 10.6   | 130             |
| <b>Marital status</b>                    |                                   |   |                           |      |   |  |                    |                                    |   |  |                 |
| Ever married/in union                    | 97.3                              | 93.8  | 91.7                      | 89.4 | 84.4  | 78.1   | 94.4               | 74.0                               | 55.8  | 52.5   | 13,746          |
| Never married/in union                   | 96.8                              | 93.5  | 92.3                      | 89.9 | 86.4  | 81.9   | 93.6               | 71.9                               | 59.3  | 56.0   | 7,343           |
| <b>Native language of household head</b> |                                   |   |                           |      |   |  |                    |                                    |   |  |                 |
| Thai                                     | 98.1                              | 94.9  | 93.1                      | 90.9 | 86.7  | 81.0   | 95.1               | 74.4                               | 58.4  | 55.1   | 19,592          |
| Non-Thai                                 | 84.3                              | 78.2  | 76.0                      | 72.3 | 64.6  | 59.1   | 81.8               | 59.4                               | 38.1  | 34.7   | 1,497           |
| <b>Wealth index quintile</b>             |                                   |   |                           |      |   |  |                    |                                    |   |  |                 |
| Poorest                                  | 93.5                              | 88.4  | 87.6                      | 84.1 | 76.5  | 67.6   | 90.4               | 66.3                               | 45.1  | 41.5   | 3,223           |
| Second                                   | 95.7                              | 92.1  | 89.5                      | 86.9 | 83.6  | 72.8   | 92.2               | 67.9                               | 50.2  | 46.3   | 4,185           |
| Middle                                   | 97.8                              | 94.3  | 92.8                      | 90.7 | 87.9  | 81.3   | 94.3               | 73.7                               | 58.7  | 55.9   | 4,358           |
| Fourth                                   | 98.5                              | 95.8  | 94.3                      | 92.2 | 85.7  | 83.3   | 96.0               | 76.3                               | 59.6  | 56.6   | 4,431           |
| Richest                                  | 98.8                              | 96.1  | 94.0                      | 92.2 | 88.9  | 87.7   | 96.5               | 79.4                               | 66.8  | 63.4   | 4,891           |

<sup>1</sup>MICS indicator TM.29 - Comprehensive knowledge about HIV prevention among young people

<sup>A</sup>Comprehensive knowledge about HIV prevention includes those who know of the two ways of HIV prevention (having only one faithful uninfected partner and using a condom every time), who know that a healthy-looking person can be HIV-positive and who reject the two most common misconceptions about HIV transmission

**Table TM.9.1M: Knowledge about HIV transmission, misconceptions about HIV, and comprehensive knowledge about HIV transmission (men)**

Percentage of men age 15-49 years who know the main ways of preventing HIV transmission, percentage who know that a healthy-looking person can be HIV-positive, percentage who reject common misconceptions, and percentage who have comprehensive knowledge about HIV transmission, Thailand, 2022

|                    | Percentage who have heard of AIDS | Percentage who know transmission can be prevented by: |                           |             | Percentage who know that a healthy-looking person can be HIV-positive | Percentage who know that HIV cannot be transmitted by: |                    |                                    | Percentage who reject the two most common misconceptions and know that a healthy-looking person can be HIV-positive | Percentage with comprehensive knowledge <sup>1,A</sup> | Number of men |
|--------------------|-----------------------------------|---|---------------------------|-------------|---|--|--------------------|------------------------------------|---|--|---------------|
|                    |                                   | Having only one faithful sex partner                  | Using a condom every time | Both        |   | Mosquito bites   | Supernatural means | Sharing food with someone with HIV |   |  |               |
| <b>Total</b>       | <b>95.6</b>                       | <b>92.4</b>   | <b>91.8</b>               | <b>89.4</b> | <b>83.7</b>   | <b>80.4</b>  | <b>93.1</b>        | <b>71.1</b>                        | <b>56.4</b>   | <b>53.6</b>  | <b>9,452</b>  |
| <b>Area</b>        |                                   |   |                           |             |   |  |                    |                                    |   |  |               |
| Urban              | 96.5                              | 93.5  | 93.5                      | 91.2        | 83.4  | 83.4   | 93.9               | 72.4                               | 57.7  | 55.3   | 5,185         |
| Rural              | 94.5                              | 91.0  | 89.7                      | 87.3        | 83.9  | 76.8   | 92.1               | 69.5                               | 54.9  | 51.6   | 4,267         |
| <b>Region</b>      |                                   |   |                           |             |   |  |                    |                                    |   |  |               |
| Bangkok            | 98.7                              | 96.2  | 96.4                      | 94.7        | 85.7  | 87.3   | 95.7               | 69.9                               | 57.3  | 55.7   | 1,546         |
| Central            | 96.2                              | 93.6  | 93.7                      | 91.6        | 84.5  | 78.4   | 93.7               | 70.8                               | 55.7  | 53.6   | 3,201         |
| North              | 96.7                              | 93.7  | 91.1                      | 89.2        | 87.1  | 80.8   | 94.7               | 74.2                               | 58.3  | 54.7   | 1,280         |
| Northeast          | 94.0                              | 90.2  | 89.2                      | 86.6        | 81.3  | 79.9   | 92.3               | 70.9                               | 56.3  | 52.0   | 2,084         |
| South              | 92.1                              | 87.1  | 86.4                      | 83.0        | 79.8  | 77.9   | 88.2               | 70.4                               | 55.6  | 52.9   | 1,340         |
| <b>Age</b>         |                                   |   |                           |             |   |  |                    |                                    |   |  |               |
| 15-24 <sup>1</sup> | 93.9                              | 90.3  | 91.1                      | 88.3        | 82.7  | 77.6   | 91.5               | 67.1                               | 54.7  | 52.9   | 2,327         |
| 15-19              | 93.1                              | 90.9  | 90.7                      | 88.9        | 83.4  | 78.5   | 91.3               | 67.1                               | 55.9  | 54.1   | 1,213         |
| 15-17              | 93.7                              | 91.6  | 91.2                      | 89.6        | 83.9  | 79.7   | 91.7               | 67.4                               | 54.6  | 53.0   | 775           |
| 18-19              | 92.0                              | 89.6  | 89.9                      | 87.8        | 82.7  | 76.4   | 90.6               | 66.6                               | 58.2  | 56.1   | 438           |
| 20-24              | 94.7                              | 89.7  | 91.4                      | 87.5        | 82.0  | 76.6   | 91.6               | 67.0                               | 53.5  | 51.6   | 1,114         |
| 25-29              | 97.1                              | 94.6  | 93.6                      | 91.9        | 83.1  | 82.5   | 95.3               | 72.0                               | 55.0  | 52.3   | 1,307         |
| 30-39              | 95.7                              | 92.5  | 91.7                      | 89.7        | 84.1  | 80.3   | 92.8               | 69.0                               | 55.5  | 52.7   | 2,773         |
| 40-49              | 96.2                              | 92.8  | 91.6                      | 89.0        | 84.2  | 81.8   | 93.7               | 75.6                               | 59.2  | 55.6   | 3,045         |

**Table TM.9.1M: Knowledge about HIV transmission, misconceptions about HIV, and comprehensive knowledge about HIV transmission (men) (continued)**

Percentage of men age 15-49 years who know the main ways of preventing HIV transmission, percentage who know that a healthy-looking person can be HIV-positive, percentage who reject common misconceptions, and percentage who have comprehensive knowledge about HIV transmission, Thailand, 2022

|  | Percentage who have heard of AIDS | Percentage who know transmission can be prevented by: |                           |        | Percentage who know that a healthy-looking person can be HIV-positive | Percentage who know that HIV cannot be transmitted by: |                    |                                    | Percentage who reject the two most common misconceptions and know that a healthy-looking person can be HIV-positive | Percentage with comprehensive knowledge <sup>1,A</sup> | Number of men |
|--|-----------------------------------|---|---------------------------|--------|---|--|--------------------|------------------------------------|---|--|---------------|
|  |                                   | Having only one faithful uninfected sex partner       | Using a condom every time | Both   |   | Mosquito bites   | Supernatural means | Sharing food with someone with HIV |   |  |               |
| <b>Education</b>                         |                                   |   |                           |        |   |  |                    |                                    |   |  |               |
| Pre-primary or none                      | 79.8                              | 75.4  | 72.4                      | 70.5   | 57.6  | 63.9   | 76.4               | 50.6                               | 34.8  | 32.4   | 231           |
| Primary                                  | 93.0                              | 88.8  | 87.4                      | 84.6   | 78.8  | 71.6   | 89.3               | 61.9                               | 43.4  | 40.6   | 1,776         |
| Lower secondary                          | 95.6                              | 92.4  | 92.4                      | 90.0   | 81.8  | 76.7   | 93.3               | 67.3                               | 51.4  | 48.7   | 2,174         |
| Upper secondary                          | 96.8                              | 93.8  | 93.9                      | 91.7   | 86.8  | 81.9   | 94.7               | 72.9                               | 58.2  | 56.0   | 2,605         |
| Higher                                   | 97.9                              | 95.4  | 94.1                      | 92.4   | 88.6  | 90.4   | 95.7               | 81.1                               | 70.4  | 66.8   | 2,622         |
| DK/Missing                               | (77.6)                            | (57.7)  | (74.2)                    | (54.3) | (27.4)  | (28.5)   | (77.6)             | (27.6)                             | (8.8)   | (8.8)  | 45            |
| <b>Marital status</b>                    |                                   |   |                           |        |   |  |                    |                                    |   |  |               |
| Ever married/in union                    | 96.7                              | 93.4  | 92.6                      | 90.1   | 85.0  | 80.3   | 93.8               | 72.9                               | 57.0  | 54.0   | 5,154         |
| Never married/in union                   | 94.3                              | 91.1  | 90.7                      | 88.7   | 82.0  | 80.6   | 92.2               | 68.8                               | 55.7  | 53.2   | 4,298         |
| <b>Native language of household head</b> |                                   |   |                           |        |   |  |                    |                                    |   |  |               |
| Thai                                     | 96.5                              | 93.4  | 92.7                      | 90.5   | 85.3  | 81.6   | 93.9               | 72.1                               | 57.8  | 55.0   | 8,698         |
| Non-Thai                                 | 85.7                              | 80.4  | 81.4                      | 77.2   | 64.3  | 66.4   | 83.4               | 58.5                               | 40.1  | 38.0   | 754           |
| <b>Wealth index quintile</b>             |                                   |   |                           |        |   |  |                    |                                    |   |  |               |
| Poorest                                  | 92.5                              | 86.1  | 87.0                      | 82.6   | 76.5  | 69.7   | 88.8               | 64.0                               | 44.6  | 40.5   | 1,855         |
| Second                                   | 94.2                              | 91.5  | 89.6                      | 87.7   | 82.5  | 77.5   | 92.3               | 67.1                               | 52.3  | 49.3   | 1,996         |
| Middle                                   | 96.9                              | 93.7  | 93.2                      | 91.0   | 88.4  | 81.0   | 94.3               | 69.9                               | 57.4  | 54.8   | 1,925         |
| Fourth                                   | 95.6                              | 93.5  | 92.8                      | 91.4   | 83.3  | 82.6   | 92.9               | 72.1                               | 58.8  | 56.8   | 1,824         |
| Richest                                  | 98.8                              | 97.0  | 96.3                      | 94.7   | 87.5  | 91.6   | 97.2               | 82.5                               | 69.4  | 67.2   | 1,852         |

<sup>1</sup>MICS indicator TM.29 - Comprehensive knowledge about HIV prevention among young people

<sup>A</sup>Comprehensive knowledge about HIV prevention includes those who know of the two ways of HIV prevention (having only one faithful uninfected partner and using a condom every time), who know that a healthy-looking person can be HIV-positive and who reject the two most common misconceptions about HIV transmission

( ) Figures that are based on 25-49 unweighted cases.

**Table TM.9.2W: Knowledge of mother-to-child HIV transmission (women)**

Percentage of women age 15-49 years who correctly identify means of HIV transmission from mother to child, Thailand, 2022

|                  | Percentage of women who:                          |                 |                  |                                    |                                 |   |   |  |                 |
|------------------|---|-----------------|------------------|------------------------------------|---------------------------------|---|---|--|-----------------|
|                  | Know HIV can be transmitted from mother to child: |                 |                  |                                    |                                 | Know HIV can be transmitted from mother to child:   |   | Do not know any of the specific means of HIV transmission from mother to child | Number of women |
|                  | During pregnancy                                  | During delivery | By breastfeeding | By at least one of the three means | By all three means <sup>1</sup> | By at least one of the three means and that risk can be reduced by mother taking special drugs during pregnancy | By breastfeeding and that risk can be reduced by mother taking special drugs during pregnancy |  |                 |
| <b>Total</b>     | <b>80.0</b>                                       | <b>72.0</b>     | <b>74.4</b>      | <b>86.4</b>                        | <b>61.7</b>                     | <b>44.1</b>   | <b>37.9</b>   | <b>13.4</b>  | <b>21,089</b>   |
| <b>Area</b>      |   |                 |                  |                                    |                                 |   |   |  |                 |
| Urban            | 82.4  | 74.0            | 76.5             | 87.7                               | 64.6                            | 44.3  | 38.7  | 12.1   | 11,566          |
| Rural            | 77.2  | 69.5            | 71.9             | 84.9                               | 58.1                            | 43.8  | 37.0  | 15.0   | 9,523           |
| <b>Region</b>    |   |                 |                  |                                    |                                 |   |   |  |                 |
| Bangkok          | 88.7  | 77.5            | 80.9             | 91.5                               | 71.0                            | 51.6  | 45.2  | 8.3  | 3,464           |
| Central          | 76.7  | 71.6            | 68.6             | 83.6                               | 57.1                            | 39.5  | 32.2  | 16.1   | 7,165           |
| North            | 77.6  | 68.6            | 73.6             | 86.3                               | 56.7                            | 43.5  | 36.8  | 13.7   | 2,837           |
| Northeast        | 82.0  | 71.9            | 81.2             | 89.5                               | 65.7                            | 44.2  | 39.9  | 10.4   | 4,778           |
| South            | 77.1  | 69.5            | 70.7             | 82.3                               | 60.3                            | 46.6  | 41.2  | 17.6   | 2,846           |
| <b>Age group</b> |   |                 |                  |                                    |                                 |   |   |  |                 |
| 15-24            | 77.5  | 70.2            | 72.8             | 84.3                               | 59.5                            | 41.4  | 35.7  | 15.6   | 4,594           |
| 15-19            | 73.2  | 65.2            | 69.6             | 80.4                               | 55.2                            | 34.0  | 29.7  | 19.5   | 2,442           |
| 15-17            | 72.3  | 64.0            | 68.6             | 79.8                               | 54.6                            | 34.5  | 29.4  | 20.2   | 1,583           |
| 18-19            | 75.1  | 67.4            | 71.4             | 81.3                               | 56.3                            | 33.1  | 30.2  | 18.2   | 860             |
| 20-24            | 82.3  | 75.8            | 76.6             | 88.7                               | 64.5                            | 49.7  | 42.6  | 11.1   | 2,152           |
| 25-29            | 79.4  | 72.1            | 72.9             | 86.0                               | 59.8                            | 47.3  | 40.9  | 13.7   | 3,073           |
| 30-39            | 81.9  | 73.9            | 75.4             | 87.7                               | 63.6                            | 46.4  | 39.4  | 12.2   | 6,150           |
| 40-49            | 80.4  | 71.4            | 75.3             | 87.0                               | 62.3                            | 42.4  | 36.9  | 13.0   | 7,272           |



**Table TM.9.2W: Knowledge of mother-to-child HIV transmission (women) (continued)**

Percentage of women age 15-49 years who correctly identify means of HIV transmission from mother to child, Thailand, 2022

|  | Percentage of women who:                          |                 |                  |                                    |                                 |   |   |  | Number of women |
|--|---|-----------------|------------------|------------------------------------|---------------------------------|---|---|--|-----------------|
|  | Know HIV can be transmitted from mother to child: |                 |                  |                                    |                                 | Know HIV can be transmitted from mother to child:   |   | Do not know any of the specific means of HIV transmission from mother to child |                 |
|  | During pregnancy                                  | During delivery | By breastfeeding | By at least one of the three means | By all three means <sup>1</sup> | By at least one of the three means and that risk can be reduced by mother taking special drugs during pregnancy | By breastfeeding and that risk can be reduced by mother taking special drugs during pregnancy |  |                 |
| <b>Education</b>                         |   |                 |                  |                                    |                                 |   |   |  |                 |
| Pre-primary or none                      | 60.7  | 53.8            | 56.6             | 63.5                               | 49.3                            | 25.3  | 24.5  | 35.4   | 435             |
| Primary                                  | 74.5  | 65.1            | 71.9             | 80.8                               | 59.1                            | 36.4  | 32.7  | 18.9   | 3,238           |
| Lower secondary                          | 80.8  | 73.8            | 76.7             | 86.7                               | 65.1                            | 39.5  | 35.7  | 13.2   | 3,817           |
| Upper secondary                          | 80.6  | 72.2            | 76.7             | 88.4                               | 62.0                            | 42.8  | 37.3  | 11.6   | 5,457           |
| Higher                                   | 83.2  | 75.3            | 74.2             | 89.1                               | 62.1                            | 51.8  | 42.7  | 10.8   | 8,012           |
| DK/Missing                               | 47.1  | 34.5            | 48.8             | 52.0                               | 33.2                            | 5.8   | 5.8   | 48.0   | 130             |
| <b>Marital status</b>                    |   |                 |                  |                                    |                                 |   |   |  |                 |
| Ever married/in union                    | 81.2  | 72.8            | 75.9             | 87.6                               | 63.3                            | 45.0  | 39.1  | 12.3   | 13,746          |
| Never married/in union                   | 77.8  | 70.4            | 71.8             | 84.2                               | 58.8                            | 42.4  | 35.8  | 15.5   | 7,343           |
| <b>Native language of household head</b> |   |                 |                  |                                    |                                 |   |   |  |                 |
| Thai                                     | 81.2  | 73.3            | 75.2             | 87.5                               | 62.6                            | 45.4  | 38.9  | 12.4   | 19,592          |
| Non-Thai                                 | 64.6  | 55.1            | 64.7             | 72.1                               | 50.3                            | 26.9  | 25.1  | 27.2   | 1,497           |
| <b>Wealth index quintiles</b>            |   |                 |                  |                                    |                                 |   |   |  |                 |
| Poorest                                  | 76.2  | 68.3            | 73.1             | 83.2                               | 59.5                            | 35.3  | 31.2  | 16.5   | 3,223           |
| Second                                   | 77.1  | 69.0            | 75.0             | 83.7                               | 61.5                            | 39.3  | 35.1  | 16.2   | 4,185           |
| Middle                                   | 82.6  | 72.0            | 75.8             | 88.5                               | 62.8                            | 44.0  | 38.5  | 11.4   | 4,358           |
| Fourth                                   | 81.5  | 73.8            | 74.8             | 87.7                               | 62.6                            | 49.4  | 42.0  | 12.2   | 4,431           |
| Richest                                  | 81.5  | 75.3            | 73.3             | 88.0                               | 61.5                            | 49.1  | 40.7  | 11.9   | 4,891           |

<sup>1</sup> MICS indicator TM.30 - Knowledge of mother-to-child transmission of HIV

**Table TM.9.2M: Knowledge of mother-to-child HIV transmission (men)**

Percentage of men age 15-49 years who correctly identify means of HIV transmission from mother to child, Thailand, 2022

|                  | Percentage of men who:                            |                 |                  |                                    |                                 |   |   |  |              | Number of men |
|------------------|---|-----------------|------------------|------------------------------------|---------------------------------|---|---|--|--------------|---------------|
|                  | Know HIV can be transmitted from mother to child: |                 |                  |                                    |                                 | Know HIV can be transmitted from mother to child:   |   | Do not know any of the specific means of HIV transmission from mother to child |              |               |
|                  | During pregnancy                                  | During delivery | By breastfeeding | By at least one of the three means | By all three means <sup>1</sup> | By at least one of the three means and that risk can be reduced by mother taking special drugs during pregnancy | By breastfeeding and that risk can be reduced by mother taking special drugs during pregnancy |  |              |               |
| <b>Total</b>     | <b>70.9</b>                                       | <b>62.6</b>     | <b>64.9</b>      | <b>77.4</b>                        | <b>53.1</b>                     | <b>31.8</b>   | <b>27.8</b>   | <b>22.4</b>  | <b>9,452</b> |               |
| <b>Area</b>      |   |                 |                  |                                    |                                 |   |   |  |              |               |
| Urban            | 75.5  | 64.4            | 68.0             | 80.4                               | 56.1                            | 33.3  | 29.1  | 19.5   | 5,185        |               |
| Rural            | 65.4  | 60.5            | 61.0             | 73.7                               | 49.4                            | 30.1  | 26.3  | 26.0   | 4,267        |               |
| <b>Region</b>    |   |                 |                  |                                    |                                 |   |   |  |              |               |
| Bangkok          | 86.3  | 71.5            | 73.5             | 88.9                               | 63.3                            | 44.4  | 37.9  | 11.1   | 1,546        |               |
| Central          | 61.8  | 57.1            | 54.7             | 68.7                               | 44.7                            | 23.7  | 20.2  | 31.0   | 3,201        |               |
| North            | 71.7  | 62.3            | 69.5             | 81.4                               | 51.6                            | 31.9  | 27.6  | 18.5   | 1,280        |               |
| Northeast        | 75.3  | 65.3            | 72.4             | 82.5                               | 58.8                            | 34.6  | 31.5  | 17.5   | 2,084        |               |
| South            | 67.6  | 61.8            | 63.0             | 73.0                               | 53.9                            | 32.4  | 28.9  | 26.5   | 1,340        |               |
| <b>Age group</b> |   |                 |                  |                                    |                                 |   |   |  |              |               |
| 15-24            | 65.8  | 57.3            | 61.3             | 73.0                               | 49.1                            | 29.1  | 25.7  | 26.7   | 2,327        |               |
| 15-19            | 65.8  | 55.4            | 60.9             | 73.0                               | 47.9                            | 27.2  | 23.7  | 26.5   | 1,213        |               |
| 15-17            | 64.8  | 52.5            | 60.2             | 71.6                               | 46.8                            | 25.8  | 23.1  | 27.6   | 775          |               |
| 18-19            | 67.6  | 60.6            | 62.1             | 75.5                               | 49.8                            | 29.6  | 24.8  | 24.5   | 438          |               |
| 20-24            | 65.8  | 59.5            | 61.7             | 73.0                               | 50.4                            | 31.1  | 27.9  | 26.9   | 1,114        |               |
| 25-29            | 70.5  | 65.1            | 65.2             | 78.7                               | 52.5                            | 32.9  | 28.4  | 21.1   | 1,307        |               |
| 30-39            | 72.8  | 64.9            | 64.8             | 77.8                               | 55.2                            | 30.2  | 26.3  | 21.9   | 2,773        |               |
| 40-49            | 73.3  | 63.5            | 67.6             | 79.8                               | 54.4                            | 35.0  | 30.6  | 20.2   | 3,045        |               |

**Table TM.9.2M: Knowledge of mother-to-child HIV transmission (men) (continued)**

Percentage of men age 15-49 years who correctly identify means of HIV transmission from mother to child, Thailand, 2022

|  | Percentage of men who:                            |                 |                  |                                    |                                 |   |   |  | Number of men |
|--|---|-----------------|------------------|------------------------------------|---------------------------------|---|---|--|---------------|
|  | Know HIV can be transmitted from mother to child: |                 |                  |                                    |                                 | Know HIV can be transmitted from mother to child:   |   | Do not know any of the specific means of HIV transmission from mother to child |               |
|  | During pregnancy                                  | During delivery | By breastfeeding | By at least one of the three means | By all three means <sup>1</sup> | By at least one of the three means and that risk can be reduced by mother taking special drugs during pregnancy | By breastfeeding and that risk can be reduced by mother taking special drugs during pregnancy |  |               |
| <b>Education</b>                         |   |                 |                  |                                    |                                 |   |   |  |               |
| Pre-primary or none                      | 47.2  | 45.7            | 48.0             | 52.7                               | 39.9                            | 8.0   | 8.0   | 44.5   | 231           |
| Primary                                  | 64.0  | 55.9            | 61.7             | 71.0                               | 49.1                            | 25.6  | 23.3  | 28.7   | 1,776         |
| Lower secondary                          | 71.1  | 62.6            | 66.6             | 79.1                               | 53.3                            | 27.3  | 24.4  | 20.9   | 2,174         |
| Upper secondary                          | 72.4  | 60.8            | 64.7             | 77.6                               | 52.7                            | 31.7  | 27.2  | 22.1   | 2,605         |
| Higher                                   | 77.1  | 71.3            | 67.9             | 83.1                               | 57.8                            | 42.4  | 36.5  | 16.9   | 2,622         |
| DK/Missing                               | (16.8)  | (11.8)          | (27.0)           | (27.0)                             | (8.4)                           | (5.5)   | (5.5)   | (73.0)   | 45            |
| <b>Marital status</b>                    |   |                 |                  |                                    |                                 |   |   |  |               |
| Ever married/in union                    | 74.0  | 65.1            | 68.3             | 80.3                               | 56.0                            | 33.9  | 29.8  | 19.5   | 5,154         |
| Never married/in union                   | 67.2  | 59.6            | 60.8             | 73.8                               | 49.5                            | 29.4  | 25.4  | 26.0   | 4,298         |
| <b>Native language of household head</b> |   |                 |                  |                                    |                                 |   |   |  |               |
| Thai                                     | 72.6  | 64.2            | 66.1             | 79.1                               | 54.2                            | 33.2  | 28.9  | 20.8   | 8,698         |
| Non-Thai                                 | 51.2  | 44.3            | 50.9             | 57.5                               | 40.1                            | 16.3  | 15.7  | 40.9   | 754           |
| <b>Wealth index quintiles</b>            |   |                 |                  |                                    |                                 |   |   |  |               |
| Poorest                                  | 64.2  | 57.6            | 62.5             | 72.5                               | 49.6                            | 19.8  | 18.0  | 26.5   | 1,855         |
| Second                                   | 69.2  | 60.2            | 65.7             | 76.0                               | 53.2                            | 29.7  | 26.5  | 24.0   | 1,996         |
| Middle                                   | 73.3  | 66.5            | 66.5             | 79.6                               | 55.3                            | 35.0  | 31.1  | 20.4   | 1,925         |
| Fourth                                   | 72.7  | 58.7            | 63.4             | 77.7                               | 50.6                            | 37.2  | 32.9  | 22.3   | 1,824         |
| Richest                                  | 75.4  | 70.1            | 66.1             | 81.1                               | 56.6                            | 37.6  | 30.7  | 18.9   | 1,852         |

<sup>1</sup> MICS indicator TM.30 - Knowledge of mother-to-child transmission of HIV

( ) Figures that are based on 25-49 unweighted cases.

**Table TM.9.3W: Sexuality education in school (women)**

Percentage of women age 15-24 years who studied sexuality education in school by level of first study, Thailand, 2022

|  | Percentage who studied sexuality education in school <sup>1</sup> | Number of women age 15- 24 years | Level of first studied |                 |                 |                    |            | DK/ Not sure/ Missing | Total        | Number of women who studied sexuality education |
|--|---|----------------------------------|------------------------|-----------------|-----------------|--------------------|------------|-----------------------|--------------|---|
|  |   |                                  | Primary <sup>2</sup>   | Lower secondary | Upper secondary | Diploma/ associate |            |                       |              |   |
| <b>Total</b>                             | <b>89.7</b>   | <b>4,594</b>                     | <b>25.1</b>            | <b>67.7</b>     | <b>6.6</b>      | <b>0.1</b>         | <b>0.5</b> | <b>100.0</b>          | <b>4,119</b> |   |
| <b>Area</b>                              |   |                                  |                        |                 |                 |                    |            |                       |              |   |
| Urban                                    | 89.7  | 2,410                            | 22.6                   | 70.8            | 6.3             | 0.1                | 0.1        | 100.0                 | 2,163        |   |
| Rural                                    | 89.6  | 2,184                            | 28.0                   | 64.2            | 6.9             | 0.1                | 0.8        | 100.0                 | 1,956        |   |
| <b>Region</b>                            |   |                                  |                        |                 |                 |                    |            |                       |              |   |
| Bangkok                                  | 96.1  | 703                              | 30.7                   | 67.5            | 1.8             | 0.0                | 0.1        | 100.0                 | 676          |   |
| Central                                  | 89.7  | 1,429                            | 19.9                   | 74.3            | 5.7             | 0.1                | 0.0        | 100.0                 | 1,282        |   |
| North                                    | 91.2  | 597                              | 31.3                   | 59.3            | 9.2             | 0.0                | 0.2        | 100.0                 | 544          |   |
| Northeast                                | 88.6  | 1,205                            | 20.7                   | 71.8            | 7.2             | 0.3                | 0.0        | 100.0                 | 1,068        |   |
| South                                    | 83.1  | 660                              | 33.2                   | 52.5            | 10.8            | 0.3                | 3.2        | 100.0                 | 548          |   |
| <b>Age group</b>                         |   |                                  |                        |                 |                 |                    |            |                       |              |   |
| 15-19                                    | 91.7  | 2,442                            | 28.1                   | 66.8            | 4.8             | 0.0                | 0.2        | 100.0                 | 2,239        |   |
| 15-17                                    | 93.0  | 1,583                            | 29.9                   | 66.8            | 3.1             | 0.0                | 0.1        | 100.0                 | 1,472        |   |
| 18-19                                    | 89.3  | 860                              | 24.6                   | 66.8            | 8.2             | 0.0                | 0.3        | 100.0                 | 768          |   |
| 20-24                                    | 87.3  | 2,152                            | 21.6                   | 68.6            | 8.7             | 0.3                | 0.8        | 100.0                 | 1,880        |   |
| 20-22                                    | 86.0  | 1,137                            | 23.0                   | 67.5            | 8.4             | 0.2                | 0.9        | 100.0                 | 978          |   |
| 23-24                                    | 88.8  | 1,015                            | 20.0                   | 69.8            | 8.9             | 0.5                | 0.7        | 100.0                 | 901          |   |
| <b>Education</b>                         |   |                                  |                        |                 |                 |                    |            |                       |              |   |
| Pre-primary or none                      | 0.0   | 57                               | –                      | –               | –               | –                  | –          | –                     | 0            |   |
| Primary                                  | 49.0  | 178                              | 92.1                   | 0.0             | 0.0             | 0.0                | 7.9        | 100.0                 | 87           |   |
| Lower secondary                          | 89.1  | 754                              | 30.6                   | 69.0            | 0.0             | 0.0                | 0.4        | 100.0                 | 673          |   |
| Upper secondary                          | 93.2  | 2,071                            | 24.6                   | 70.0            | 5.3             | 0.0                | 0.2        | 100.0                 | 1,931        |   |
| Higher                                   | 94.4  | 1,513                            | 19.3                   | 68.0            | 11.9            | 0.4                | 0.4        | 100.0                 | 1,428        |   |
| <b>Marital status</b>                    |   |                                  |                        |                 |                 |                    |            |                       |              |   |
| Ever married/in union                    | 79.9  | 999                              | 33.1                   | 61.8            | 3.9             | 0.2                | 1.0        | 100.0                 | 799          |   |
| Never married/in union                   | 92.4  | 3,595                            | 23.2                   | 69.1            | 7.2             | 0.1                | 0.3        | 100.0                 | 3,321        |   |
| <b>Native language of household head</b> |   |                                  |                        |                 |                 |                    |            |                       |              |   |
| Thai                                     | 91.4  | 4,245                            | 24.3                   | 68.6            | 6.7             | 0.2                | 0.3        | 100.0                 | 3,880        |   |
| Non-Thai                                 | 68.4  | 350                              | 39.1                   | 52.7            | 4.8             | 0.0                | 3.5        | 100.0                 | 239          |   |
| <b>Wealth index quintiles</b>            |   |                                  |                        |                 |                 |                    |            |                       |              |   |
| Poorest                                  | 85.4  | 832                              | 28.7                   | 65.5            | 5.2             | 0.0                | 0.7        | 100.0                 | 711          |   |
| Second                                   | 81.7  | 1,066                            | 25.0                   | 64.6            | 9.4             | 0.0                | 0.9        | 100.0                 | 870          |   |
| Middle                                   | 92.2  | 921                              | 26.7                   | 66.1            | 5.9             | 0.6                | 0.6        | 100.0                 | 849          |   |
| Fourth                                   | 92.8  | 843                              | 26.0                   | 68.9            | 4.9             | 0.1                | 0.1        | 100.0                 | 783          |   |
| Richest                                  | 97.2  | 933                              | 20.3                   | 72.6            | 7.0             | 0.0                | 0.0        | 100.0                 | 906          |   |

<sup>1</sup> TH indicator TM.S9 - Sexuality education in school

<sup>2</sup> TH indicator TM.S10 - Sexuality education in primary level

'–' denotes 0 unweighted case in the denominator.

Note: The category of 'DK/Missing' in the background characteristic of 'Education' has been suppressed from the table due to small number of unweighted cases.

**Table TM.9.3M: Sexuality education in school (men)**

Percentage of men age 15-24 years who studied sexuality education in school by level of first study, Thailand, 2022

|  | Percentage who studied sexuality education in school <sup>1</sup> | Number of men age 15- 24 years | Level of first studied |                 |                 |                    |            | DK/ Not sure/ Missing | Total        | Number of men who studied sexuality education |
|--|---|--------------------------------|------------------------|-----------------|-----------------|--------------------|------------|-----------------------|--------------|---|
|  |   |                                | Primary <sup>2</sup>   | Lower secondary | Upper secondary | Diploma/ associate |            |                       |              |   |
| <b>Total</b>                             | <b>83.1</b>   | <b>2,327</b>                   | <b>27.9</b>            | <b>65.4</b>     | <b>6.3</b>      | <b>0.1</b>         | <b>0.3</b> | <b>100.0</b>          | <b>1,934</b> |   |
| <b>Area</b>                              |   |                                |                        |                 |                 |                    |            |                       |              |   |
| Urban                                    | 86.0  | 1,183                          | 27.8                   | 66.2            | 5.9             | 0.1                | 0.1        | 100.0                 | 1,018        |   |
| Rural                                    | 80.2  | 1,143                          | 28.0                   | 64.6            | 6.7             | 0.1                | 0.6        | 100.0                 | 917          |   |
| <b>Region</b>                            |   |                                |                        |                 |                 |                    |            |                       |              |   |
| Bangkok                                  | 96.2  | 354                            | 34.5                   | 61.9            | 3.6             | 0.0                | 0.1        | 100.0                 | 341          |   |
| Central                                  | 81.0  | 729                            | 22.0                   | 71.3            | 6.6             | 0.0                | 0.1        | 100.0                 | 591          |   |
| North                                    | 85.7  | 317                            | 30.4                   | 60.1            | 8.3             | 0.3                | 1.0        | 100.0                 | 272          |   |
| Northeast                                | 81.6  | 566                            | 23.6                   | 70.3            | 6.1             | 0.0                | 0.0        | 100.0                 | 462          |   |
| South                                    | 74.5  | 360                            | 37.3                   | 54.1            | 7.3             | 0.1                | 1.3        | 100.0                 | 268          |   |
| <b>Age group</b>                         |   |                                |                        |                 |                 |                    |            |                       |              |   |
| 15-19                                    | 85.8  | 1,213                          | 25.1                   | 71.4            | 3.1             | 0.0                | 0.4        | 100.0                 | 1,040        |   |
| 15-17                                    | 87.8  | 775                            | 23.1                   | 74.8            | 1.7             | 0.0                | 0.4        | 100.0                 | 680          |   |
| 18-19                                    | 82.3  | 438                            | 28.9                   | 65.0            | 5.7             | 0.0                | 0.4        | 100.0                 | 360          |   |
| 20-24                                    | 80.2  | 1,114                          | 31.2                   | 58.5            | 10.0            | 0.1                | 0.3        | 100.0                 | 894          |   |
| 20-22                                    | 85.8  | 637                            | 31.6                   | 58.7            | 9.5             | 0.0                | 0.1        | 100.0                 | 547          |   |
| 23-24                                    | 72.8  | 477                            | 30.4                   | 58.0            | 10.8            | 0.3                | 0.5        | 100.0                 | 347          |   |
| <b>Education</b>                         |   |                                |                        |                 |                 |                    |            |                       |              |   |
| Pre-primary or none                      | (0.0)   | 34                             | –                      | –               | –               | –                  | –          | –                     | 0            |   |
| Primary                                  | 45.6  | 243                            | 95.7                   | 0.0             | 0.0             | 0.0                | 4.3        | 100.0                 | 111          |   |
| Lower secondary                          | 83.3  | 530                            | 26.9                   | 73.1            | 0.0             | 0.0                | 0.0        | 100.0                 | 441          |   |
| Upper secondary                          | 90.1  | 955                            | 22.5                   | 72.2            | 5.2             | 0.0                | 0.2        | 100.0                 | 861          |   |
| Higher                                   | 94.4  | 552                            | 23.3                   | 61.8            | 14.8            | 0.2                | 0.0        | 100.0                 | 521          |   |
| <b>Marital status</b>                    |   |                                |                        |                 |                 |                    |            |                       |              |   |
| Ever married/in union                    | 67.4  | 277                            | 36.4                   | 57.1            | 5.6             | 0.2                | 0.7        | 100.0                 | 187          |   |
| Never married/in union                   | 85.3  | 2,049                          | 27.0                   | 66.3            | 6.3             | 0.0                | 0.3        | 100.0                 | 1,747        |   |
| <b>Native language of household head</b> |   |                                |                        |                 |                 |                    |            |                       |              |   |
| Thai                                     | 86.1  | 2,108                          | 27.7                   | 65.8            | 6.3             | 0.0                | 0.2        | 100.0                 | 1,816        |   |
| Non-Thai                                 | 54.2  | 219                            | 30.7                   | 60.5            | 6.5             | 0.2                | 2.1        | 100.0                 | 119          |   |
| <b>Wealth index quintiles</b>            |   |                                |                        |                 |                 |                    |            |                       |              |   |
| Poorest                                  | 73.2  | 453                            | 34.8                   | 59.8            | 4.4             | 0.0                | 0.9        | 100.0                 | 332          |   |
| Second                                   | 76.9  | 545                            | 30.7                   | 61.2            | 7.5             | 0.0                | 0.6        | 100.0                 | 419          |   |
| Middle                                   | 85.2  | 472                            | 28.0                   | 65.3            | 6.5             | 0.0                | 0.1        | 100.0                 | 402          |   |
| Fourth                                   | 88.6  | 433                            | 25.8                   | 67.7            | 6.2             | 0.1                | 0.2        | 100.0                 | 383          |   |
| Richest                                  | 93.9  | 424                            | 21.0                   | 72.4            | 6.4             | 0.1                | 0.0        | 100.0                 | 398          |   |

<sup>1</sup> TH indicator TM.S9 - Sexuality education in school

<sup>2</sup> TH indicator TM.S10 - Sexuality education in primary level

'–' denotes 0 unweighted case in the denominator.

( ) Figures that are based on 25-49 unweighted cases.

Note: The category of 'DK/Missing' in the background characteristic of 'Education' has been suppressed from the table due to small number of unweighted cases..

Table TM.9.4W: Sources of sexuality information other than school (women)

Percentage of women age 15-24 years who studied sexuality education in school and had other sources of sexuality information, Thailand, 2022

|  | Source of sexuality information |             |             |            |             |            |            |             |                |                 |            | No source   | Percentage with other source of sexuality information <sup>1</sup> | Number of women who studied sexuality education |
|--|---------------------------------|-------------|-------------|------------|-------------|------------|------------|-------------|----------------|-----------------|------------|-------------|--|---|
|  | Internet                        | Movies      | Television  | Radio      | Book        | Comics     | Fiction    | Friends     | Brother/sister | Parent/guardian | Other      |             |  |   |
| <b>Total</b>                             | <b>78.9</b>                     | <b>10.1</b> | <b>25.0</b> | <b>0.6</b> | <b>29.7</b> | <b>1.6</b> | <b>2.0</b> | <b>32.5</b> | <b>4.9</b>     | <b>16.6</b>     | <b>0.5</b> | <b>11.7</b> | <b>87.9</b>  | <b>4,119</b>                                    |
| <b>Area</b>                              |                                 |             |             |            |             |            |            |             |                |                 |            |             |  |   |
| Urban                                    | 81.3                            | 11.4        | 28.6        | 0.8        | 34.0        | 2.3        | 2.3        | 34.0        | 5.6            | 16.6            | 0.5        | 10.0        | 89.9   | 2,163   |
| Rural                                    | 76.2                            | 8.8         | 21.0        | 0.4        | 25.0        | 0.9        | 1.7        | 30.8        | 4.1            | 16.6            | 0.5        | 13.6        | 85.6   | 1,956   |
| <b>Region</b>                            |                                 |             |             |            |             |            |            |             |                |                 |            |             |  |   |
| Bangkok                                  | 86.4                            | 19.1        | 39.3        | 2.0        | 38.0        | 5.0        | 4.7        | 46.0        | 6.0            | 18.7            | 1.0        | 5.2         | 94.8   | 676   |
| Central                                  | 77.5                            | 6.9         | 20.1        | 0.1        | 25.3        | 0.4        | 0.6        | 31.7        | 2.0            | 12.8            | 0.4        | 15.9        | 84.0   | 1,282   |
| North                                    | 78.9                            | 14.9        | 22.8        | 0.6        | 19.8        | 2.2        | 5.1        | 28.6        | 8.5            | 18.2            | 0.7        | 12.4        | 87.5   | 544   |
| Northeast                                | 78.5                            | 6.8         | 21.0        | 0.1        | 37.4        | 0.6        | 0.3        | 32.9        | 6.1            | 21.7            | 0.1        | 9.4         | 90.0   | 1,068   |
| South                                    | 73.3                            | 8.5         | 28.6        | 1.2        | 24.8        | 1.8        | 2.3        | 20.9        | 4.2            | 11.2            | 0.6        | 13.8        | 84.4   | 548   |
| <b>Age group</b>                         |                                 |             |             |            |             |            |            |             |                |                 |            |             |  |   |
| 15-19                                    | 80.7                            | 10.7        | 24.3        | 0.4        | 29.9        | 1.3        | 2.1        | 33.5        | 5.6            | 21.6            | 0.3        | 10.0        | 89.6   | 2,239   |
| 15-17                                    | 78.1                            | 9.9         | 23.1        | 0.5        | 29.2        | 1.3        | 2.1        | 34.5        | 5.7            | 23.6            | 0.3        | 11.5        | 87.8   | 1,472   |
| 18-19                                    | 85.6                            | 12.2        | 26.5        | 0.3        | 31.1        | 1.3        | 2.2        | 31.8        | 5.5            | 17.9            | 0.3        | 6.9         | 93.1   | 768   |
| 20-24                                    | 76.7                            | 9.5         | 25.8        | 0.8        | 29.6        | 2.0        | 1.9        | 31.3        | 4.0            | 10.5            | 0.7        | 13.9        | 85.8   | 1,880   |
| 20-22                                    | 80.1                            | 9.0         | 25.3        | 0.5        | 29.2        | 1.8        | 1.8        | 32.7        | 3.8            | 11.8            | 0.8        | 12.2        | 87.3   | 978   |
| 23-24                                    | 73.0                            | 10.0        | 26.4        | 1.2        | 30.0        | 2.3        | 1.9        | 29.8        | 4.1            | 9.1             | 0.6        | 15.8        | 84.1   | 901   |
| <b>Education</b>                         |                                 |             |             |            |             |            |            |             |                |                 |            |             |  |   |
| Primary                                  | 47.9                            | 2.4         | 13.8        | 0.1        | 11.2        | 0.6        | 0.1        | 23.3        | 19.5           | 4.8             | 0.5        | 19.8        | 80.2   | 87  |
| Lower secondary                          | 67.3                            | 7.2         | 17.2        | 0.1        | 21.6        | 0.8        | 1.0        | 30.1        | 5.2            | 15.7            | 0.1        | 17.8        | 82.0   | 673   |
| Upper secondary                          | 79.2                            | 10.4        | 24.6        | 0.4        | 30.5        | 1.2        | 1.9        | 32.5        | 4.8            | 20.0            | 0.5        | 11.8        | 87.7   | 1,931   |
| Higher                                   | 85.8                            | 11.7        | 29.8        | 1.1        | 33.6        | 2.7        | 2.7        | 34.2        | 3.9            | 13.1            | 0.6        | 8.3         | 91.4   | 1,428   |
| <b>Marital status</b>                    |                                 |             |             |            |             |            |            |             |                |                 |            |             |  |   |
| Ever married/in union                    | 71.9                            | 8.6         | 22.0        | 0.3        | 22.7        | 1.5        | 1.7        | 27.5        | 4.9            | 10.4            | 0.7        | 15.7        | 83.6   | 799   |
| Never married/in union                   | 80.5                            | 10.5        | 25.7        | 0.7        | 31.4        | 1.7        | 2.1        | 33.7        | 4.9            | 18.0            | 0.4        | 10.8        | 88.9   | 3,321   |
| <b>Native language of household head</b> |                                 |             |             |            |             |            |            |             |                |                 |            |             |  |   |
| Thai                                     | 79.7                            | 10.4        | 25.2        | 0.5        | 29.8        | 1.6        | 1.9        | 31.0        | 3.9            | 15.5            | 0.5        | 12.0        | 87.6   | 3,880   |
| Non-Thai                                 | 64.5                            | 6.7         | 20.9        | 2.9        | 28.8        | 2.8        | 4.6        | 56.6        | 19.7           | 34.7            | 0.0        | 8.1         | 91.5   | 239   |

**Table TM.9.4W: Sources of sexuality information other than school (women) (continued)**

Percentage of women age 15-24 years who studied sexuality education in school and had other sources of sexuality information, Thailand, 2022

|  | Source of sexuality information |        |            |       |      |        |         |         |                |                 |       | No source | Percentage with other source of sexuality information <sup>1</sup> | Number of women who studied sexuality education |
|--|---------------------------------|--------|------------|-------|------|--------|---------|---------|----------------|-----------------|-------|-----------|--|---|
|  | Internet                        | Movies | Television | Radio | Book | Comics | Fiction | Friends | Brother/sister | Parent/guardian | Other |           |  |   |
| <b>Wealth index quintiles</b>  |                                 |        |            |       |      |        |         |         |                |                 |       |           |  |   |
| Poorest  | 71.9                            | 3.7    | 22.4       | 0.1   | 33.3 | 0.9    | 1.7     | 31.2    | 6.0            | 15.6            | 0.5   | 11.0      | 88.7   | 711   |
| Second   | 76.8                            | 12.1   | 19.6       | 0.1   | 30.3 | 1.7    | 0.7     | 33.9    | 4.5            | 14.2            | 0.0   | 12.9      | 87.0   | 870   |
| Middle   | 82.0                            | 13.1   | 31.1       | 0.8   | 30.8 | 3.1    | 2.5     | 32.5    | 6.8            | 16.4            | 0.6   | 8.8       | 90.5   | 849   |
| Fourth   | 77.4                            | 11.0   | 23.6       | 0.7   | 22.4 | 1.4    | 3.6     | 31.7    | 3.9            | 18.1            | 0.6   | 16.5      | 83.2   | 783   |
| Richest  | 84.6                            | 9.7    | 27.5       | 1.2   | 31.7 | 1.0    | 1.7     | 32.9    | 3.3            | 18.4            | 0.7   | 9.9       | 89.6   | 906   |
| <sup>1</sup> TH indicator TM.S11 - Sources of sexuality information other than school  |                                 |        |            |       |      |        |         |         |                |                 |       |           |  |   |
| Note: The category of 'DK/Missing' in the background characteristic of 'Education' has been suppressed from the table due to small number of unweighted cases. |                                 |        |            |       |      |        |         |         |                |                 |       |           |  |   |

**Table TM.9.4M: Sources of sexuality information other than school (men)**

Percentage of men age 15-24 years who studied sexuality education in school and had other sources of sexuality information, Thailand, 2022

|               | Source of sexuality information |             |             |            |             |            |            |             |                |                 |            | No source  | Percentage with other source of sexuality information <sup>1</sup> | Number of men who studied sexuality education |
|---------------|---------------------------------|-------------|-------------|------------|-------------|------------|------------|-------------|----------------|-----------------|------------|------------|--|---|
|               | Internet                        | Movies      | Television  | Radio      | Book        | Comics     | Fiction    | Friends     | Brother/sister | Parent/guardian | Other      |            |  |   |
| <b>Total</b>  | <b>85.5</b>                     | <b>11.1</b> | <b>25.6</b> | <b>1.2</b> | <b>25.6</b> | <b>1.4</b> | <b>0.7</b> | <b>41.1</b> | <b>4.2</b>     | <b>14.2</b>     | <b>0.7</b> | <b>0.2</b> | <b>98.0</b>  | <b>1,934</b>                                  |
| <b>Area</b>   |                                 |             |             |            |             |            |            |             |                |                 |            |            |  |   |
| Urban         | 90.2                            | 12.5        | 29.1        | 1.6        | 28.1        | 1.9        | 0.8        | 42.2        | 4.2            | 14.3            | 0.7        | 0.0        | 98.7   | 1,018   |
| Rural         | 80.3                            | 9.6         | 21.7        | 0.8        | 22.9        | 0.9        | 0.6        | 39.8        | 4.3            | 14.0            | 0.7        | 0.5        | 97.1   | 917   |
| <b>Region</b> |                                 |             |             |            |             |            |            |             |                |                 |            |            |  |   |
| Bangkok       | 87.3                            | 16.2        | 32.4        | 2.5        | 42.6        | 2.2        | 0.6        | 49.5        | 3.3            | 16.5            | 1.1        | 0.0        | 97.8   | 341   |
| Central       | 88.5                            | 10.5        | 22.9        | 0.1        | 21.3        | 0.5        | 0.0        | 44.3        | 4.4            | 12.8            | 0.4        | 0.0        | 98.0   | 591   |
| North         | 78.9                            | 18.5        | 24.3        | 3.9        | 17.9        | 3.8        | 1.2        | 27.0        | 4.8            | 10.1            | 1.1        | 1.7        | 97.6   | 272   |
| Northeast     | 85.1                            | 4.0         | 22.5        | 0.0        | 29.5        | 0.0        | 0.7        | 45.5        | 4.5            | 22.1            | 0.0        | 0.0        | 98.1   | 462   |
| South         | 84.4                            | 10.7        | 29.3        | 1.5        | 14.9        | 2.5        | 1.9        | 29.7        | 4.1            | 4.9             | 1.3        | 0.0        | 98.2   | 268   |

**Table TM.9.4M: Sources of sexuality information other than school (men) (continued)**

Percentage of men age 15-24 years who studied sexuality education in school and had other sources of sexuality information, Thailand, 2020

|  | Source of sexuality information |        |            |       |      |        |         |         |                |                 |       |           | Percentage with other source of sexuality information <sup>1</sup> | Number of men who studied sexuality education |
|--|---------------------------------|--------|------------|-------|------|--------|---------|---------|----------------|-----------------|-------|-----------|--|---|
|  | Internet                        | Movies | Television | Radio | Book | Comics | Fiction | Friends | Brother/sister | Parent/guardian | Other | No source |  |   |
| <b>Age group</b>                         |                                 |        |            |       |      |        |         |         |                |                 |       |           |  |   |
| 15-19                                    | 84.8                            | 9.1    | 23.4       | 1.2   | 26.0 | 1.0    | 0.8     | 45.6    | 5.9            | 17.4            | 0.3   | 0.0       | 97.8   | 1,040   |
| 15-17                                    | 87.2                            | 8.3    | 22.0       | 1.3   | 24.7 | 1.4    | 1.0     | 45.4    | 6.5            | 19.0            | 0.0   | 0.0       | 97.1   | 680   |
| 18-19                                    | 80.1                            | 10.4   | 26.0       | 1.0   | 28.4 | 0.3    | 0.5     | 46.0    | 4.8            | 14.2            | 0.8   | 0.0       | 99.1   | 360   |
| 20-24                                    | 86.5                            | 13.5   | 28.1       | 1.2   | 25.3 | 2.0    | 0.6     | 35.8    | 2.3            | 10.4            | 1.1   | 0.5       | 98.2   | 894   |
| 20-22                                    | 87.8                            | 12.6   | 30.1       | 0.9   | 27.2 | 2.2    | 0.5     | 35.8    | 1.7            | 10.8            | 0.7   | 0.8       | 98.4   | 547   |
| 23-24                                    | 84.3                            | 14.8   | 25.1       | 1.7   | 22.2 | 1.5    | 0.6     | 35.8    | 3.1            | 9.9             | 1.8   | 0.0       | 97.9   | 347   |
| <b>Education</b>                         |                                 |        |            |       |      |        |         |         |                |                 |       |           |  |   |
| Primary                                  | 71.5                            | 4.3    | 32.9       | 0.0   | 9.1  | 0.0    | 0.0     | 31.3    | 0.8            | 11.4            | 0.1   | 0.0       | 93.2   | 111   |
| Lower secondary                          | 76.8                            | 6.2    | 19.6       | 0.2   | 24.4 | 1.2    | 0.5     | 43.0    | 6.6            | 13.7            | 0.8   | 0.0       | 97.2   | 441   |
| Upper secondary                          | 87.7                            | 9.9    | 25.9       | 1.6   | 27.0 | 1.6    | 1.1     | 40.7    | 4.3            | 18.5            | 0.7   | 0.5       | 97.9   | 861   |
| Higher                                   | 92.4                            | 18.7   | 28.5       | 1.6   | 28.0 | 1.7    | 0.4     | 42.1    | 3.0            | 8.0             | 0.6   | 0.0       | 99.8   | 521   |
| <b>Marital status</b>                    |                                 |        |            |       |      |        |         |         |                |                 |       |           |  |   |
| Ever married/in union                    | 79.9                            | 15.7   | 34.5       | 0.2   | 21.4 | 2.7    | 0.0     | 38.6    | 3.1            | 11.3            | 3.7   | 0.0       | 98.9   | 187   |
| Never married/in union                   | 86.1                            | 10.6   | 24.6       | 1.3   | 26.1 | 1.3    | 0.8     | 41.3    | 4.4            | 14.5            | 0.3   | 0.3       | 97.9   | 1,747   |
| <b>Native language of household head</b> |                                 |        |            |       |      |        |         |         |                |                 |       |           |  |   |
| Thai                                     | 86.6                            | 11.2   | 25.4       | 1.1   | 25.8 | 1.3    | 0.5     | 39.8    | 3.6            | 12.4            | 0.7   | 0.3       | 98.0   | 1,816   |
| Non-Thai                                 | 69.8                            | 9.3    | 27.9       | 3.4   | 22.8 | 3.3    | 3.6     | 60.5    | 14.8           | 41.7            | 0.1   | 0.0       | 98.0   | 119   |
| <b>Wealth index quintiles</b>            |                                 |        |            |       |      |        |         |         |                |                 |       |           |  |   |
| Poorest                                  | 77.0                            | 8.6    | 26.3       | 1.0   | 23.1 | 1.1    | 1.2     | 44.5    | 2.7            | 13.9            | 1.9   | 1.4       | 95.6   | 332   |
| Second                                   | 84.0                            | 9.5    | 24.3       | 0.1   | 27.2 | 1.1    | 0.8     | 38.1    | 2.8            | 8.2             | 0.1   | 0.0       | 98.9   | 419   |
| Middle                                   | 82.1                            | 11.7   | 25.1       | 0.6   | 23.1 | 3.4    | 0.9     | 35.9    | 6.9            | 13.3            | 0.0   | 0.0       | 98.5   | 402   |
| Fourth                                   | 88.6                            | 11.5   | 20.9       | 2.1   | 20.9 | 1.2    | 0.4     | 38.2    | 3.9            | 14.7            | 1.5   | 0.0       | 97.3   | 383   |
| Richest                                  | 94.8                            | 13.9   | 31.3       | 2.4   | 33.3 | 0.3    | 0.3     | 49.3    | 4.8            | 21.0            | 0.0   | 0.0       | 99.1   | 398   |

<sup>1</sup> TH indicator TM.S11 - Sources of sexuality information other than school



| Table TM.9.5W: Attitudes towards people living with HIV (women)   |  |   |   |  |   |   |   |  |  |
|---|--|---|---|--|---|---|---|--|--|
| Percentage of women age 15-49 years who have heard of AIDS and report discriminating attitudes towards people living with HIV, Thailand, 2022 |  |   |   |  |   |   |   |  |  |
|   | Percentage of women who:   |   |   | Percentage of women who think people:  |   |   | Percentage of women who:                      |  |  |
|   | Would not buy fresh vegetables from a shopkeeper or vendor who is HIV-positive | Think children living with HIV should not be allowed to attend school with children who do not have HIV | Report discriminatory attitudes towards people living with HIV <sup>1,A</sup> | Hesitate to take an HIV test because they are afraid of how other people will react if the test result is positive for HIV | Talk badly about people living with HIV, or who are thought to be living with HIV | Living with HIV, or thought to be living with HIV, lose the respect of other people | Would be ashamed if someone in family had HIV | Fear getting HIV if coming into contact with the saliva of a person living with HIV <sup>B</sup> | Number of women who have heard of AIDS |
| <b>Total</b>  | <b>23.9</b>  | <b>12.5</b>   | <b>28.4</b>   | <b>59.5</b>  | <b>60.8</b>   | <b>57.3</b>   | <b>20.0</b>                                   | <b>46.4</b>  | <b>20,477</b>                          |
| <b>Area</b>   |  |   |   |  |   |   |   |  |  |
| Urban   | 25.0   | 12.3  | 29.4  | 56.1   | 57.6  | 55.2  | 19.5  | 45.2   | 11,273                                 |
| Rural   | 22.6   | 12.8  | 27.2  | 63.6   | 64.7  | 59.9  | 20.6  | 47.8   | 9,204                                  |
| <b>Region</b>   |  |   |   |  |   |   |   |  |  |
| Bangkok   | 29.8   | 8.2   | 32.2  | 52.5   | 52.9  | 50.8  | 18.3  | 47.2   | 3,436                                  |
| Central   | 21.7   | 17.5  | 28.5  | 57.5   | 57.7  | 53.2  | 15.1  | 40.5   | 6,935                                  |
| North   | 14.2   | 9.7   | 18.8  | 61.1   | 62.0  | 58.6  | 18.9  | 42.5   | 2,755                                  |
| Northeast   | 25.2   | 10.9  | 29.2  | 62.9   | 62.8  | 59.1  | 25.3  | 49.8   | 4,664                                  |
| South   | 29.7   | 11.0  | 31.9  | 65.9   | 74.0  | 71.5  | 26.9  | 58.6   | 2,688                                  |
| <b>Age</b>  |  |   |   |  |   |   |   |  |  |
| 15-24   | 30.3   | 12.8  | 33.7  | 58.7   | 62.7  | 57.0  | 19.5  | 48.3   | 4,440                                  |
| 15-19   | 30.8   | 13.4  | 34.8  | 55.6   | 61.9  | 56.2  | 18.8  | 47.5   | 2,374                                  |
| 15-17   | 32.2   | 13.0  | 35.8  | 54.9   | 62.3  | 54.9  | 18.9  | 46.1   | 1,544                                  |
| 18-19   | 28.2   | 14.2  | 32.9  | 57.0   | 61.2  | 58.7  | 18.7  | 50.0   | 830                                    |
| 20-24   | 29.7   | 12.2  | 32.4  | 62.2   | 63.6  | 57.8  | 20.3  | 49.2   | 2,067                                  |
| 25-29   | 25.0   | 14.1  | 30.3  | 60.3   | 57.8  | 56.5  | 19.9  | 49.9   | 2,996                                  |
| 30-39   | 23.5   | 12.9  | 28.1  | 59.8   | 61.2  | 58.6  | 20.8  | 44.5   | 5,982                                  |
| 40-49   | 19.7   | 11.4  | 24.6  | 59.3   | 60.5  | 56.7  | 19.8  | 45.3   | 7,059                                  |
| <b>Education</b>  |  |   |   |  |   |   |   |  |  |
| Pre-primary or none   | 27.6   | 16.1  | 30.4  | 58.5   | 60.4  | 56.1  | 29.2  | 57.6   | 357                                    |
| Primary   | 25.4   | 13.8  | 30.5  | 59.9   | 60.4  | 59.2  | 23.7  | 50.5   | 3,067                                  |
| Lower secondary   | 24.3   | 15.4  | 30.0  | 59.2   | 63.1  | 59.6  | 21.9  | 49.0   | 3,718                                  |
| Upper secondary   | 25.7   | 11.8  | 29.5  | 61.6   | 62.9  | 57.5  | 21.2  | 47.3   | 5,368                                  |
| Higher  | 21.4   | 10.9  | 25.7  | 58.1   | 58.3  | 55.3  | 16.2  | 42.0   | 7,885                                  |
| DK/Missing  | (58.4)   | (31.8)  | (61.6)  | (48.6)   | (68.9)  | (56.5)  | (46.1)  | (83.6)   | 81                                     |

Table TM.9.5W: Attitudes towards people living with HIV (women) (continued)

Percentage of women age 15-49 years who have heard of AIDS and report discriminating attitudes towards people living with HIV, Thailand, 2022

|  | Percentage of women who:   |   |   | Percentage of women who think people:  |   |   | Percentage of women who:                      |  |  |
|--|--|---|---|--|---|---|---|--|--|
|  | Would not buy fresh vegetables from a shopkeeper or vendor who is HIV-positive | Think children living with HIV should not be allowed to attend school with children who do not have HIV | Report discriminatory attitudes towards people living with HIV <sup>1,A</sup> | Hesitate to take an HIV test because they are afraid of how other people will react if the test result is positive for HIV | Talk badly about people living with HIV, or who are thought to be living with HIV | Living with HIV, or thought to be living with HIV, lose the respect of other people | Would be ashamed if someone in family had HIV | Fear getting HIV if coming into contact with the saliva of a person living with HIV <sup>B</sup> | Number of women who have heard of AIDS |
| <b>Marital status</b>                    |  |   |   |  |   |   |   |  |  |
| Ever married/in union                    | 22.2   | 12.8  | 27.2  | 61.2   | 62.0  | 58.3  | 20.6  | 46.7   | 13,372                                 |
| Never married/in union                   | 27.0   | 12.0  | 30.8  | 56.3   | 58.5  | 55.4  | 18.9  | 45.7   | 7,105                                  |
| <b>Native language of household head</b> |  |   |   |  |   |   |   |  |  |
| Thai                                     | 23.3   | 12.1  | 27.9  | 59.8   | 60.9  | 57.4  | 19.3  | 46.0   | 19,215                                 |
| Non-Thai                                 | 32.9   | 18.5  | 37.0  | 55.2   | 59.3  | 56.0  | 30.4  | 52.6   | 1,262                                  |
| <b>Wealth index quintile</b>             |  |   |   |  |   |   |   |  |  |
| Poorest                                  | 26.6   | 13.2  | 31.1  | 63.3   | 66.4  | 60.8  | 24.4  | 53.2   | 3,013                                  |
| Second                                   | 26.0   | 13.3  | 30.5  | 62.4   | 63.8  | 62.3  | 23.9  | 53.9   | 4,007                                  |
| Middle                                   | 22.0   | 10.1  | 25.5  | 60.5   | 61.8  | 57.6  | 19.3  | 47.6   | 4,261                                  |
| Fourth                                   | 23.9   | 11.5  | 28.3  | 60.4   | 59.9  | 56.6  | 20.5  | 42.3   | 4,365                                  |
| Richest                                  | 22.1   | 14.5  | 27.7  | 52.9   | 54.6  | 51.2  | 14.3  | 38.5   | 4,831                                  |

<sup>1</sup> MICS indicator TM.31 - Discriminatory attitudes towards people living with HIV<sup>A</sup> This is a composite indicator of those who would not buy fresh vegetables from a shopkeeper or vendor who is HIV-positive or think children living with HIV should not be allowed to attend school with children who do not have HIV<sup>B</sup> As part of respondent protection, those who answered that they are HIV-positive have been recoded to "No", and thus treated as having no fear of contracting HIV

( ) Figures that are based on 25-49 unweighted cases.

| Table TM.9.5M: Attitudes towards people living with HIV (men)   |  |   |   |  |   |   |   |  |                                      |
|---|--|---|---|--|---|---|---|--|--------------------------------------|
| Percentage of men age 15-49 years who have heard of AIDS and report discriminating attitudes towards people living with HIV, Thailand, 2022 |  |   |   |  |   |   |   |  |                                      |
|   | Percentage of men who:   |   |   | Percentage of men who think people:  |   |   | Percentage of men who:                        |  |                                      |
|   | Would not buy fresh vegetables from a shopkeeper or vendor who is HIV-positive | Think children living with HIV should not be allowed to attend school with children who do not have HIV | Report discriminatory attitudes towards people living with HIV <sup>1,A</sup> | Hesitate to take an HIV test because they are afraid of how other people will react if the test result is positive for HIV | Talk badly about people living with HIV, or who are thought to be living with HIV | Living with HIV, or thought to be living with HIV, lose the respect of other people | Would be ashamed if someone in family had HIV | Fear getting HIV if coming into contact with the saliva of a person living with HIV <sup>B</sup> | Number of men who have heard of AIDS |
| <b>Total</b>  | <b>21.8</b>  | <b>12.2</b>   | <b>26.7</b>   | <b>61.2</b>  | <b>61.5</b>   | <b>56.5</b>   | <b>20.0</b>                                   | <b>45.3</b>  | <b>9,037</b>                         |
| <b>Area</b>   |  |   |   |  |   |   |   |  |                                      |
| Urban   | 22.5   | 12.2  | 27.5  | 59.2   | 59.5  | 54.7  | 20.9  | 45.6   | 5,004                                |
| Rural   | 20.9   | 12.3  | 25.6  | 63.7   | 64.0  | 58.7  | 18.9  | 44.9   | 4,033                                |
| <b>Region</b>   |  |   |   |  |   |   |   |  |                                      |
| Bangkok   | 27.7   | 7.9   | 30.8  | 57.3   | 52.3  | 52.6  | 22.6  | 44.5   | 1,526                                |
| Central   | 19.7   | 17.0  | 25.4  | 59.1   | 58.3  | 52.0  | 15.6  | 40.8   | 3,079                                |
| North   | 17.7   | 8.5   | 23.8  | 60.7   | 62.9  | 55.5  | 19.6  | 41.9   | 1,238                                |
| Northeast   | 21.3   | 11.9  | 27.4  | 63.3   | 64.7  | 60.2  | 25.3  | 47.7   | 1,959                                |
| South   | 24.5   | 10.1  | 26.6  | 68.6   | 74.6  | 67.6  | 19.9  | 57.1   | 1,234                                |
| <b>Age</b>  |  |   |   |  |   |   |   |  |                                      |
| 15-24   | 27.8   | 13.6  | 31.9  | 60.0   | 60.8  | 54.8  | 19.4  | 48.6   | 2,184                                |
| 15-19   | 29.1   | 14.7  | 33.7  | 60.6   | 61.9  | 53.5  | 17.1  | 51.2   | 1,129                                |
| 15-17   | 30.9   | 16.8  | 35.6  | 61.0   | 63.0  | 53.2  | 18.5  | 49.4   | 726                                  |
| 18-19   | 25.9   | 11.0  | 30.2  | 60.0   | 60.0  | 54.1  | 14.7  | 54.4   | 403                                  |
| 20-24   | 26.4   | 12.3  | 30.0  | 59.4   | 59.6  | 56.1  | 21.9  | 45.8   | 1,055                                |
| 25-29   | 24.4   | 16.5  | 30.7  | 63.7   | 66.4  | 59.5  | 19.8  | 46.8   | 1,270                                |
| 30-39   | 19.1   | 10.5  | 23.7  | 60.5   | 60.6  | 56.4  | 19.6  | 42.6   | 2,653                                |
| 40-49   | 18.5   | 11.0  | 23.7  | 61.7   | 60.8  | 56.6  | 20.9  | 44.6   | 2,930                                |
| <b>Education</b>  |  |   |   |  |   |   |   |  |                                      |
| Pre-primary or none   | 21.2   | 8.9   | 23.4  | 61.7   | 55.9  | 50.0  | 22.1  | 64.8   | 184                                  |
| Primary   | 22.9   | 12.2  | 28.3  | 62.7   | 65.0  | 60.7  | 22.7  | 49.9   | 1,650                                |
| Lower secondary   | 23.2   | 13.2  | 28.7  | 64.6   | 62.7  | 58.0  | 21.5  | 45.1   | 2,079                                |
| Upper secondary   | 23.5   | 14.0  | 28.5  | 64.4   | 64.1  | 57.7  | 20.6  | 46.3   | 2,523                                |
| Higher  | 18.0   | 10.0  | 22.2  | 54.8   | 56.3  | 51.7  | 16.3  | 40.1   | 2,566                                |

**Table TM.9.5M: Attitudes towards people living with HIV (men) (continued)**

Percentage of men age 15-49 years who have heard of AIDS and report discriminating attitudes towards people living with HIV, Thailand, 2022

|  | Percentage of men who:   |   |   | Percentage of men who think people:  |   |   | Percentage of men who:                        |  |                                      |
|--|--|---|---|--|---|---|---|--|--------------------------------------|
|  | Would not buy fresh vegetables from a shopkeeper or vendor who is HIV-positive | Think children living with HIV should not be allowed to attend school with children who do not have HIV | Report discriminatory attitudes towards people living with HIV <sup>1,A</sup> | Hesitate to take an HIV test because they are afraid of how other people will react if the test result is positive for HIV | Talk badly about people living with HIV, or who are thought to be living with HIV | Living with HIV, or thought to be living with HIV, lose the respect of other people | Would be ashamed if someone in family had HIV | Fear getting HIV if coming into contact with the saliva of a person living with HIV <sup>B</sup> | Number of men who have heard of AIDS |
| <b>Marital status</b>                    |  |   |   |  |   |   |   |  |                                      |
| Ever married/in union                    | 19.4   | 12.1  | 25.0  | 62.4   | 62.8  | 58.1  | 20.9  | 44.9   | 4,983                                |
| Never married/in union                   | 24.6   | 12.5  | 28.8  | 59.8   | 60.0  | 54.6  | 18.9  | 45.8   | 4,054                                |
| <b>Native language of household head</b> |  |   |   |  |   |   |   |  |                                      |
| Thai                                     | 21.6   | 12.2  | 26.7  | 62.2   | 62.0  | 56.9  | 19.8  | 45.2   | 8,390                                |
| Non-Thai                                 | 23.8   | 13.1  | 26.2  | 49.2   | 54.9  | 51.2  | 23.1  | 46.1   | 647                                  |
| <b>Wealth index quintile</b>             |  |   |   |  |   |   |   |  |                                      |
| Poorest                                  | 24.1   | 11.4  | 28.3  | 61.9   | 64.7  | 57.6  | 23.5  | 46.9   | 1,716                                |
| Second                                   | 20.9   | 10.6  | 25.9  | 63.8   | 63.2  | 59.4  | 22.6  | 51.1   | 1,881                                |
| Middle                                   | 21.5   | 11.9  | 26.5  | 63.3   | 60.2  | 53.7  | 16.7  | 46.6   | 1,865                                |
| Fourth                                   | 20.9   | 10.1  | 25.3  | 61.7   | 63.5  | 59.0  | 19.3  | 42.4   | 1,744                                |
| Richest                                  | 21.5   | 17.1  | 27.4  | 55.4   | 56.3  | 53.0  | 18.1  | 39.2   | 1,831                                |

<sup>1</sup> MICS indicator TM.31 - Discriminatory attitudes towards people living with HIV

<sup>A</sup> This is a composite indicator of those who would not buy fresh vegetables from a shopkeeper or vendor who is HIV-positive or think children living with HIV should not be allowed to attend school with children who do not have HIV

<sup>B</sup> As part of respondent protection, those who answered that they are HIV-positive have been recoded to “No”, and thus treated as having no fear of contracting HIV

Note: The category of ‘DK/Missing’ in the background characteristic of ‘Education’ has been suppressed from the table due to small number of unweighted cases.

**Table TM.9.6W: Knowledge of a place for HIV testing (women)**

Percentage of women age 15-49 years who know where to get an HIV test, percentage who have ever been tested, percentage who have ever been tested and know the result of the most recent test, percentage who have been tested in the last 12 months, percentage who have been tested in the last 12 months and know the result, and percentage who have heard of HIV self-test kits and have tested themselves, Thailand, 2022

|                     | Percentage of women who:                |                       |   |  |   |  |   |               | Number of women |
|---------------------|---|-----------------------|---|--|---|--|---|---------------|-----------------|
|                     | Know a place to get tested <sup>1</sup> | Have ever been tested | Have ever been tested and know the result of the most recent test | Have been tested in the last 12 months | Have been tested in the last 12 months and know the result <sup>2</sup> | Have heard of test kits people can use to test themselves for HIV <sup>A</sup> | Have tested themselves for HIV using a self-test kit <sup>A</sup> |               |                 |
| <b>Total</b>        | <b>78.5</b>                             | <b>43.4</b>           | <b>40.6</b>   | <b>3.6</b>                             | <b>3.3</b>  | <b>15.8</b>  | <b>0.8</b>  | <b>21,089</b> |                 |
| <b>Area</b>         |   |                       |   |  |   |  |   |               |                 |
| Urban               | 80.0                                    | 42.3                  | 39.5  | 3.9                                    | 3.7   | 16.4   | 0.7   | 11,566        |                 |
| Rural               | 76.6                                    | 44.8                  | 41.9  | 3.1                                    | 2.9   | 15.1   | 1.0   | 9,523         |                 |
| <b>Region</b>       |   |                       |   |  |   |  |   |               |                 |
| Bangkok             | 82.2                                    | 38.1                  | 36.5  | 4.4                                    | 4.2   | 17.4   | 0.9   | 3,464         |                 |
| Central             | 77.3                                    | 40.6                  | 37.8  | 3.7                                    | 3.6   | 16.9   | 0.5   | 7,165         |                 |
| North               | 85.2                                    | 56.4                  | 53.3  | 3.0                                    | 2.7   | 11.8   | 0.3   | 2,837         |                 |
| Northeast           | 75.8                                    | 44.0                  | 40.9  | 3.3                                    | 3.0   | 15.1   | 0.9   | 4,778         |                 |
| South               | 74.6                                    | 43.0                  | 39.5  | 3.2                                    | 2.8   | 16.6   | 1.6   | 2,846         |                 |
| <b>Age</b>          |   |                       |   |  |   |  |   |               |                 |
| 15-24               | 67.8                                    | 15.2                  | 14.1  | 3.6                                    | 3.2   | 15.1   | 0.4   | 4,594         |                 |
| 15-19               | 61.8                                    | 5.8                   | 4.9   | 2.4                                    | 1.8   | 12.1   | 0.6   | 2,442         |                 |
| 15-17               | 57.2                                    | 3.3                   | 2.8   | 1.5                                    | 1.1   | 9.2  | 0.4   | 1,583         |                 |
| 18-19               | 70.2                                    | 10.4                  | 8.9   | 3.9                                    | 3.0   | 17.4   | 1.2   | 860           |                 |
| 20-24               | 74.7                                    | 26.0                  | 24.6  | 5.1                                    | 4.8   | 18.4   | 0.2   | 2,152         |                 |
| 25-29               | 81.5                                    | 38.6                  | 36.2  | 6.4                                    | 6.0   | 19.7   | 1.5   | 3,073         |                 |
| 30-39               | 82.8                                    | 55.1                  | 50.9  | 4.7                                    | 4.5   | 17.2   | 0.8   | 6,150         |                 |
| 40-49               | 80.2                                    | 53.4                  | 50.4  | 1.4                                    | 1.3   | 13.5   | 0.7   | 7,272         |                 |
| <b>Education</b>    |   |                       |   |  |   |  |   |               |                 |
| Pre-primary or none | 56.3                                    | 41.1                  | 35.2  | 3.3                                    | 2.9   | 2.4  | 0.1   | 435           |                 |
| Primary             | 73.0                                    | 50.6                  | 45.7  | 2.4                                    | 2.4   | 10.7   | 0.7   | 3,238         |                 |
| Lower secondary     | 78.4                                    | 53.5                  | 50.0  | 4.2                                    | 3.8   | 11.4   | 0.7   | 3,817         |                 |
| Upper secondary     | 75.3                                    | 38.7                  | 36.7  | 2.7                                    | 2.5   | 13.1   | 1.0   | 5,457         |                 |
| Higher              | 85.1                                    | 39.5                  | 37.4  | 4.3                                    | 4.1   | 22.9   | 0.8   | 8,012         |                 |
| DK/Missing          | 13.3                                    | 13.3                  | 12.3  | 4.9                                    | 4.9   | 0.0  | 0.0   | 130           |                 |

**Table TM.9.6W: Knowledge of a place for HIV testing (women) (continued)**

Percentage of women age 15-49 years who know where to get an HIV test, percentage who have ever been tested, percentage who have ever been tested and know the result of the most recent test, percentage who have been tested in the last 12 months, percentage who have been tested in the last 12 months and know the result, and percentage who have heard of HIV self-test kits and have tested themselves, Thailand, 2022

|  | Percentage of women who:                |                       |   |  |   |  |   | Number of women |
|--|---|-----------------------|---|--|---|--|---|-----------------|
|  | Know a place to get tested <sup>1</sup> | Have ever been tested | Have ever been tested and know the result of the most recent test | Have been tested in the last 12 months | Have been tested in the last 12 months and know the result <sup>2</sup> | Have heard of test kits people can use to test themselves for HIV <sup>A</sup> | Have tested themselves for HIV using a self-test kit <sup>A</sup> |                 |
| <b>Marital status</b>  |   |                       |   |  |   |  |   |                 |
| Ever married/in union  | 83.6                                    | 62.6                  | 58.4  | 4.6                                    | 4.4   | 15.2   | 1.1   | 13,746          |
| Never married/in union   | 68.8                                    | 7.5                   | 7.2   | 1.5                                    | 1.4   | 17.1   | 0.3   | 7,343           |
| <b>Native language of household head</b>   |   |                       |   |  |   |  |   |                 |
| Thai   | 80.3                                    | 44.1                  | 41.5  | 3.5                                    | 3.3   | 16.6   | 0.8   | 19,592          |
| Non-Thai   | 54.5                                    | 34.8                  | 28.5  | 4.7                                    | 4.0   | 6.0  | 0.5   | 1,497           |
| <b>Wealth index quintile</b>   |   |                       |   |  |   |  |   |                 |
| Poorest  | 69.0                                    | 44.0                  | 39.7  | 3.9                                    | 3.8   | 10.7   | 0.5   | 3,223           |
| Second   | 74.0                                    | 42.2                  | 39.2  | 3.5                                    | 3.2   | 10.6   | 0.5   | 4,185           |
| Middle   | 80.4                                    | 43.8                  | 41.2  | 3.0                                    | 2.6   | 14.2   | 1.0   | 4,358           |
| Fourth   | 82.0                                    | 44.2                  | 42.0  | 3.6                                    | 3.4   | 16.9   | 1.0   | 4,431           |
| Richest  | 83.6                                    | 43.0                  | 40.5  | 3.9                                    | 3.8   | 24.2   | 0.9   | 4,891           |
| <sup>1</sup> MICS indicator TM.32 - People who know where to be tested for HIV   |   |                       |   |  |   |  |   |                 |
| <sup>2</sup> MICS indicator TM.33 - People who have been tested for HIV and know the results                           |   |                       |   |  |   |  |   |                 |
| <sup>A</sup> Having heard of or having used a test kit are not included in any MICS indicators relating to HIV testing |   |                       |   |  |   |  |   |                 |

| Table TM.9.6M: Knowledge of a place for HIV testing (men)   |   |                       |   |  |   |  |   |              |               |
|---|---|-----------------------|---|--|---|--|---|--------------|---------------|
| Percentage of men age 15-49 years who know where to get an HIV test, percentage who have ever been tested, percentage who have ever been tested and know the result of the most recent test, percentage who have been tested in the last 12 months, and percentage who have been tested in the last 12 months and know the result, and percentage who have heard of HIV self-test kits and have tested themselves, Thailand, 2022 |   |                       |   |  |   |  |   |              |               |
|   | Percentage of men who:                  |                       |   |  |   |  |   |              | Number of men |
|   | Know a place to get tested <sup>1</sup> | Have ever been tested | Have ever been tested and know the result of the most recent test | Have been tested in the last 12 months | Have been tested in the last 12 months and know the result <sup>2</sup> | Have heard of test kits people can use to test themselves for HIV <sup>A</sup> | Have tested themselves for HIV using a self-test kit <sup>A</sup> |              |               |
| <b>Total</b>  | <b>71.4</b>                             | <b>29.9</b>           | <b>28.4</b>   | <b>2.6</b>                             | <b>2.4</b>  | <b>13.5</b>  | <b>0.7</b>  | <b>9,452</b> |               |
| <b>Area</b>   |   |                       |   |  |   |  |   |              |               |
| Urban   | 74.7                                    | 29.8                  | 28.3  | 2.8                                    | 2.7   | 15.0   | 0.6   | 5,185        |               |
| Rural   | 67.3                                    | 30.1                  | 28.5  | 2.2                                    | 2.1   | 11.6   | 1.0   | 4,267        |               |
| <b>Region</b>   |   |                       |   |  |   |  |   |              |               |
| Bangkok   | 78.0                                    | 33.5                  | 32.1  | 5.7                                    | 5.3   | 16.5   | 0.7   | 1,546        |               |
| Central   | 71.9                                    | 27.5                  | 26.5  | 2.3                                    | 2.0   | 14.8   | 0.9   | 3,201        |               |
| North   | 75.8                                    | 41.8                  | 38.7  | 2.7                                    | 2.7   | 9.4  | 0.2   | 1,280        |               |
| Northeast   | 65.5                                    | 27.0                  | 25.2  | 1.6                                    | 1.6   | 11.3   | 0.7   | 2,084        |               |
| South   | 67.2                                    | 24.9                  | 23.8  | 1.0                                    | 0.9   | 14.3   | 1.0   | 1,340        |               |
| <b>Age</b>  |   |                       |   |  |   |  |   |              |               |
| 15-24   | 57.0                                    | 10.2                  | 9.2   | 1.7                                    | 1.5   | 12.4   | 0.4   | 2,327        |               |
| 15-19   | 52.8                                    | 3.4                   | 3.2   | 0.6                                    | 0.4   | 10.6   | 0.6   | 1,213        |               |
| 15-17   | 51.7                                    | 2.3                   | 2.3   | 0.0                                    | 0.0   | 11.9   | 0.7   | 775          |               |
| 18-19   | 54.5                                    | 5.3                   | 4.8   | 1.5                                    | 1.1   | 8.2  | 0.4   | 438          |               |
| 20-24   | 61.6                                    | 17.6                  | 15.8  | 2.9                                    | 2.7   | 14.3   | 0.2   | 1,114        |               |
| 25-29   | 77.1                                    | 29.3                  | 27.6  | 4.1                                    | 3.9   | 14.0   | 1.1   | 1,307        |               |
| 30-39   | 75.8                                    | 36.1                  | 34.8  | 3.0                                    | 2.8   | 15.0   | 1.4   | 2,773        |               |
| 40-49   | 75.8                                    | 39.7                  | 37.5  | 2.1                                    | 2.1   | 12.8   | 0.2   | 3,045        |               |
| <b>Education</b>  |   |                       |   |  |   |  |   |              |               |
| Pre-primary or none   | 41.9                                    | 30.6                  | 26.0  | 1.6                                    | 1.6   | 1.8  | 0.0   | 231          |               |
| Primary   | 60.5                                    | 28.0                  | 26.4  | 0.9                                    | 0.9   | 7.8  | 0.4   | 1,776        |               |
| Lower secondary   | 72.6                                    | 31.9                  | 30.7  | 2.6                                    | 2.5   | 10.8   | 1.4   | 2,174        |               |
| Upper secondary   | 69.8                                    | 26.5                  | 24.9  | 2.0                                    | 1.8   | 12.5   | 0.9   | 2,605        |               |
| Higher  | 83.0                                    | 33.5                  | 31.9  | 4.3                                    | 4.0   | 21.9   | 0.4   | 2,622        |               |
| DK/Missing  | (2.4)                                   | (2.4)                 | (2.4)   | (0.0)                                  | (0.0)   | (0.1)  | (0.0)   | 45           |               |

**Table TM.9.6M: Knowledge of a place for HIV testing (men) (continued)**

Percentage of men age 15-49 years who know where to get an HIV test, percentage who have ever been tested, percentage who have ever been tested and know the result of the most recent test, percentage who have been tested in the last 12 months, and percentage who have been tested in the last 12 months and know the result, and percentage who have heard of HIV self-test kits and have tested themselves, Thailand, 2022

|  | Percentage of men who:                  |                       |   |  |   |  |   | Number of men |
|--|---|-----------------------|---|--|---|--|---|---------------|
|  | Know a place to get tested <sup>1</sup> | Have ever been tested | Have ever been tested and know the result of the most recent test | Have been tested in the last 12 months | Have been tested in the last 12 months and know the result <sup>2</sup> | Have heard of test kits people can use to test themselves for HIV <sup>A</sup> | Have tested themselves for HIV using a self-test kit <sup>A</sup> |               |
| <b>Marital status</b>                    |   |                       |   |  |   |  |   |               |
| Ever married/in union                    | 77.9                                    | 45.4                  | 43.1  | 3.3                                    | 3.2   | 13.4   | 1.0   | 5,154         |
| Never married/in union                   | 63.5                                    | 11.4                  | 10.8  | 1.6                                    | 1.5   | 13.7   | 0.4   | 4,298         |
| <b>Native language of household head</b> |   |                       |   |  |   |  |   |               |
| Thai                                     | 73.6                                    | 30.6                  | 29.1  | 2.6                                    | 2.5   | 14.3   | 0.8   | 8,698         |
| Non-Thai                                 | 45.9                                    | 22.0                  | 19.8  | 1.7                                    | 1.6   | 4.7  | 0.2   | 754           |
| <b>Wealth index quintile</b>             |   |                       |   |  |   |  |   |               |
| Poorest                                  | 59.6                                    | 25.6                  | 23.4  | 1.6                                    | 1.6   | 6.0  | 0.8   | 1,855         |
| Second                                   | 69.5                                    | 31.1                  | 29.4  | 2.3                                    | 2.1   | 8.7  | 0.5   | 1,996         |
| Middle                                   | 71.6                                    | 29.5                  | 28.0  | 2.1                                    | 1.8   | 13.9   | 0.9   | 1,925         |
| Fourth                                   | 72.7                                    | 29.0                  | 27.9  | 2.4                                    | 2.3   | 15.9   | 0.4   | 1,824         |
| Richest                                  | 83.6                                    | 34.4                  | 33.2  | 4.5                                    | 4.2   | 23.4   | 1.1   | 1,852         |

<sup>1</sup> MICS indicator TM.32 - People who know where to be tested for HIV

<sup>2</sup> MICS indicator TM.33 - People who have been tested for HIV and know the results

<sup>A</sup> Having heard of or having used a test kit are not included in any MICS indicators relating to HIV testing

( ) Figures that are based on 25-49 unweighted cases.



**Table TM.9.7: HIV counselling and testing during antenatal care**

Percentage of women age 15-49 with a live birth in the last 2 years who received antenatal care from a health professional during the pregnancy of the most recent birth, percentage who received HIV counselling, percentage who were offered and tested for HIV, percentage who were offered, tested and received the results of the HIV test, percentage who received counselling and were offered, accepted and received the results of the HIV test, and percentage who were offered, accepted and received the results of the HIV test and received post-test health information or counselling, and percentage of women whose husband/partner was tested for HIV, Thailand, 2022

|                     | Percentage of women who:  |   |  |   |   |   | Percentage of women whose husband/ partner was tested for HIV during antenatal care <sup>4</sup> | Number of women with a live birth in the last 2 years |
|---------------------|---|---|--|---|---|---|--|---|
|                     | Received antenatal care from a health care professional for the pregnancy of the most recent live birth | Received HIV counselling during antenatal care <sup>1,A</sup> | Were offered an HIV test and were tested for HIV during antenatal care | Were offered an HIV test and were tested for HIV during antenatal care, and received the results <sup>2</sup> | Received HIV counselling, were offered an HIV test, accepted and received the results | Were offered an HIV test, accepted and received the results, and received post-test health information or counselling related to HIV <sup>3</sup> |  |   |
| <b>Total</b>        | <b>98.8</b>   | <b>66.3</b>   | <b>75.9</b>  | <b>72.7</b>   | <b>57.6</b>   | <b>54.6</b>   | <b>66.1</b>  | <b>1,207</b>  |
| <b>Area</b>         |   |   |  |   |   |   |  |   |
| Urban               | 98.2  | 69.8  | 76.3   | 72.8  | 62.3  | 54.0  | 63.3   | 559   |
| Rural               | 99.3  | 63.2  | 75.6   | 72.6  | 53.6  | 55.0  | 68.6   | 648   |
| <b>Region</b>       |   |   |  |   |   |   |  |   |
| Bangkok             | 99.9  | 79.6  | 87.0   | 85.6  | 76.2  | 51.2  | 67.7   | 126   |
| Central             | 97.9  | 63.7  | 76.4   | 72.2  | 54.5  | 52.2  | 62.0   | 375   |
| North               | 97.8  | 62.2  | 72.4   | 68.4  | 53.6  | 52.8  | 74.8   | 186   |
| Northeast           | 99.7  | 72.5  | 81.0   | 78.7  | 63.2  | 68.1  | 75.7   | 288   |
| South               | 99.5  | 58.6  | 65.8   | 62.3  | 49.1  | 44.8  | 53.2   | 232   |
| <b>Age</b>          |   |   |  |   |   |   |  |   |
| 15-24               | 99.5  | 59.7  | 69.1   | 65.8  | 52.4  | 47.6  | 60.5   | 317   |
| 15-19               | 98.7  | 66.5  | 66.1   | 58.6  | 53.1  | 48.3  | 57.7   | 67  |
| 15-17               | 99.2  | 69.8  | 72.9   | 65.7  | 63.0  | 63.5  | 65.6   | 23  |
| 18-19               | 98.5  | 64.9  | 62.6   | 54.9  | 48.0  | 40.4  | 53.6   | 44  |
| 20-24               | 99.7  | 57.9  | 69.9   | 67.7  | 52.2  | 47.4  | 61.3   | 249   |
| 25-29               | 97.8  | 62.8  | 74.0   | 71.6  | 51.8  | 54.7  | 65.4   | 296   |
| 30-39               | 99.1  | 73.6  | 82.1   | 78.1  | 65.2  | 58.1  | 70.8   | 515   |
| 40-49               | 98.2  | 57.4  | 70.4   | 69.4  | 51.3  | 59.0  | 61.0   | 80  |
| <b>Education</b>    |   |   |  |   |   |   |  |   |
| Pre-primary or none | 87.8  | 57.8  | 60.9   | 55.2  | 47.2  | 46.4  | 50.3   | 43  |
| Primary             | 99.1  | 50.3  | 57.6   | 54.6  | 41.1  | 39.6  | 55.1   | 140   |
| Lower secondary     | 98.8  | 69.1  | 79.9   | 76.8  | 63.6  | 58.7  | 69.4   | 282   |
| Upper secondary     | 99.7  | 67.9  | 77.0   | 74.4  | 60.3  | 54.0  | 68.2   | 316   |
| Higher              | 99.1  | 71.6  | 80.7   | 76.9  | 60.2  | 59.9  | 68.4   | 413   |

**Table TM.9.7: HIV counselling and testing during antenatal care (continued)**

Percentage of women age 15-49 with a live birth in the last 2 years who received antenatal care from a health professional during the pregnancy of the most recent birth, percentage who received HIV counselling, percentage who were offered and tested for HIV, percentage who were offered, tested and received the results of the HIV test, percentage who received counselling and were offered, accepted and received the results of the HIV test, and percentage who were offered, accepted and received the results of the HIV test and received post-test health information or counselling, and percentage of women whose husband/partner was tested for HIV, Thailand, 2022

|  | Percentage of women who:  |   |  |   |   |   |  | Number of women with a live birth in the last 2 years |
|--|---|---|--|---|---|---|--|---|
|  | Received antenatal care from a health care professional for the pregnancy of the most recent live birth | Received HIV counselling during antenatal care <sup>1,A</sup> | Were offered an HIV test and were tested for HIV during antenatal care | Were offered an HIV test and were tested for HIV during antenatal care, and received the results <sup>2</sup> | Received HIV counselling, were offered an HIV test, accepted and received the results | Were offered an HIV test, accepted and received the results, and received post-test health information or counselling related to HIV <sup>3</sup> | Percentage of women whose husband/ partner was tested for HIV during antenatal care <sup>4</sup> |   |
| <b>Marital status</b>                    |   |   |  |   |   |   |  |   |
| Ever married/in union                    | 98.8  | 66.4  | 76.1   | 72.8  | 57.8  | 54.7  | 66.3   | 1,203   |
| Never married/in union                   | (*)   | (*)   | (*)  | (*)   | (*)   | (*)   | (*)  | 4   |
| <b>Native language of household head</b> |   |   |  |   |   |   |  |   |
| Thai                                     | 99.1  | 70.3  | 79.5   | 76.7  | 61.8  | 57.4  | 71.1   | 1,036   |
| Non-Thai                                 | 97.0  | 41.8  | 54.2   | 48.6  | 32.5  | 37.2  | 36.5   | 172   |
| <b>Wealth index quintile</b>             |   |   |  |   |   |   |  |   |
| Poorest                                  | 98.0  | 59.3  | 67.7   | 65.0  | 50.4  | 45.5  | 63.5   | 257   |
| Second                                   | 98.3  | 62.5  | 77.1   | 73.7  | 57.1  | 53.5  | 64.7   | 249   |
| Middle                                   | 99.3  | 68.8  | 73.2   | 70.9  | 61.6  | 57.1  | 65.4   | 259   |
| Fourth                                   | 100.0   | 66.2  | 81.9   | 80.3  | 56.4  | 57.9  | 70.5   | 218   |
| Richest                                  | 98.6  | 75.5  | 81.3   | 75.0  | 63.2  | 59.9  | 67.4   | 226   |

<sup>1</sup> MICS indicator TM.35a - HIV counselling during antenatal care (counselling on HIV)

<sup>2</sup> MICS indicator TM.36 - HIV testing during antenatal care

<sup>3</sup> MICS indicator TM.35b - HIV counselling during antenatal care (information or counselling on HIV after receiving the HIV test results)

<sup>4</sup> TH indicator TM.S12 - HIV testing during antenatal care (Husband)

<sup>A</sup> In this context, counselling means that someone talked with the respondent about all three of the following topics: 1) babies getting the HIV from their mother, 2) preventing HIV, and 3) getting tested for HIV.

(\*) Figures that are based on less than 25 unweighted cases.

Note: The category of 'DK/Missing' in the background characteristic of 'Education' has been suppressed from the table due to small number of unweighted cases.

| Table TM.9.8W: Key HIV and AIDS indicators (young women)                           |   |   |                                    |   |   |                                 |  |  |
|--|---|---|------------------------------------|---|---|---------------------------------|--|--|
| Percentage of women age 15-24 years by key HIV and AIDS indicators, Thailand, 2022 |   |   |                                    |   |   |                                 |  |  |
|  | Percentage of women age 15-24 years who:  |   |                                    |   |   | Number of women age 15-24 years | Percentage who report discriminatory attitudes towards people living with HIV <sup>A</sup> | Number of women age 15-24 years who have heard of AIDS |
|  | Have comprehensive knowledge <sup>1</sup> | Know all three means of HIV transmission from mother to child | Know a place to get tested for HIV | Have ever been tested and know the result of the most recent test | Have been tested for HIV in the last 12 months and know the result <sup>2</sup> |                                 |  |  |
| <b>Total</b>   | <b>52.0</b>                               | <b>59.5</b>   | <b>67.8</b>                        | <b>14.1</b>   | <b>3.2</b>  | <b>4,594</b>                    | <b>33.7</b>  | <b>4,440</b>   |
| <b>Area</b>  |   |   |                                    |   |   |                                 |  |  |
| Urban  | 50.7                                      | 61.4  | 68.9                               | 13.2  | 3.9   | 2,410                           | 36.6   | 2,347  |
| Rural  | 53.5                                      | 57.5  | 66.6                               | 15.2  | 2.4   | 2,184                           | 30.4   | 2,093  |
| <b>Region</b>  |   |   |                                    |   |   |                                 |  |  |
| Bangkok  | 53.8                                      | 69.6  | 72.4                               | 11.5  | 3.6   | 703                             | 38.9   | 698  |
| Central  | 52.6                                      | 53.9  | 67.3                               | 15.7  | 3.5   | 1,429                           | 30.7   | 1,379  |
| North  | 53.2                                      | 50.3  | 76.1                               | 12.9  | 2.4   | 597                             | 24.3   | 579  |
| Northeast  | 52.7                                      | 65.3  | 66.9                               | 14.9  | 2.5   | 1,205                           | 32.9   | 1,174  |
| South  | 46.7                                      | 58.9  | 58.1                               | 13.4  | 4.1   | 660                             | 44.7   | 611  |
| <b>Age</b>   |   |   |                                    |   |   |                                 |  |  |
| 15-19  | 52.4                                      | 55.2  | 61.8                               | 4.9   | 1.8   | 2,442                           | 34.8   | 2,374  |
| 15-17  | 52.5                                      | 54.6  | 57.2                               | 2.8   | 1.1   | 1,583                           | 35.8   | 1,544  |
| 18-19  | 52.4                                      | 56.3  | 70.2                               | 8.9   | 3.0   | 860                             | 32.9   | 830  |
| 20-24  | 51.5                                      | 64.5  | 74.7                               | 24.6  | 4.8   | 2,152                           | 32.4   | 2,067  |
| 20-22  | 48.6                                      | 63.4  | 70.3                               | 20.0  | 4.4   | 1,137                           | 34.4   | 1,083  |
| 23-24  | 54.9                                      | 65.7  | 79.5                               | 29.7  | 5.2   | 1,015                           | 30.2   | 984  |
| <b>Education</b>   |   |   |                                    |   |   |                                 |  |  |
| Pre-primary or none  | 4.9                                       | 48.0  | 43.6                               | 24.8  | 4.0   | 57                              | (31.6)   | 51   |
| Primary  | 33.6                                      | 50.4  | 52.8                               | 32.0  | 8.7   | 178                             | 54.2   | 154  |
| Lower secondary  | 47.4                                      | 61.1  | 71.5                               | 30.7  | 7.2   | 754                             | 30.5   | 731  |
| Upper secondary  | 51.8                                      | 57.8  | 64.2                               | 9.8   | 1.9   | 2,071                           | 36.3   | 2,023  |
| Higher   | 59.2                                      | 62.5  | 74.0                               | 8.9   | 2.4   | 1,513                           | 29.3   | 1,465  |

**Table TM.9.8W: Key HIV and AIDS indicators (young women) (continued)**

Percentage of women age 15-24 years by key HIV and AIDS indicators, Thailand, 2022

|  | Percentage of women age 15-24 years who:  |   |                                    |   |   | Number of women age 15-24 years | Percentage who report discriminatory attitudes towards people living with HIV <sup>A</sup> | Number of women age 15-24 years who have heard of AIDS |
|--|---|---|------------------------------------|---|---|---------------------------------|--|--|
|  | Have comprehensive knowledge <sup>1</sup> | Know all three means of HIV transmission from mother to child | Know a place to get tested for HIV | Have ever been tested and know the result of the most recent test | Have been tested for HIV in the last 12 months and know the result <sup>2</sup> |                                 |  |  |
| <b>Marital status</b>                    |   |   |                                    |   |   |                                 |  |  |
| Ever married/in union                    | 39.4                                      | 62.7  | 80.5                               | 53.2  | 12.8  | 999                             | 34.7   | 958  |
| Never married/in union                   | 55.5                                      | 58.7  | 64.3                               | 3.3   | 0.5   | 3,595                           | 33.4   | 3,483  |
| <b>Native language of household head</b> |   |   |                                    |   |   |                                 |  |  |
| Thai                                     | 53.0                                      | 60.3  | 69.3                               | 14.3  | 3.2   | 4,245                           | 33.0   | 4,136  |
| Non-Thai                                 | 40.0                                      | 50.1  | 49.5                               | 12.0  | 3.8   | 350                             | 43.1   | 304  |
| <b>Wealth index quintile</b>             |   |   |                                    |   |   |                                 |  |  |
| Poorest                                  | 44.8                                      | 58.8  | 65.5                               | 19.1  | 6.5   | 832                             | 36.5   | 798  |
| Second                                   | 43.3                                      | 59.2  | 63.1                               | 17.2  | 3.5   | 1,066                           | 37.8   | 1,003  |
| Middle                                   | 56.6                                      | 62.5  | 71.7                               | 13.3  | 1.4   | 921                             | 29.7   | 894  |
| Fourth                                   | 54.1                                      | 62.4  | 71.7                               | 14.0  | 4.5   | 843                             | 34.2   | 817  |
| Richest                                  | 62.0                                      | 55.0  | 67.9                               | 7.0   | 0.5   | 933                             | 30.0   | 929  |

<sup>1</sup> MICS indicator TM.29 - Comprehensive knowledge about HIV prevention among young people

<sup>2</sup> MICS indicator TM.34 - Young people who have been tested for HIV and know the results

<sup>A</sup> Refer to Table TM.9.5W for the two components.

( ) Figures that are based on 25-49 unweighted cases.

Note: The category of 'DK/Missing' in the background characteristic of 'Education' has been suppressed from the table due to small number of unweighted cases.

| Table TM.9.8M: Key HIV and AIDS indicators (young men)                           |   |   |                                    |   |   |                               |  |  |
|--|---|---|------------------------------------|---|---|-------------------------------|--|--|
| Percentage of men age 15-24 years by key HIV and AIDS indicators, Thailand, 2022 |   |   |                                    |   |   |                               |  |  |
|  | Percentage of men age 15-24 years who:    |   |                                    |   |   | Number of men age 15-24 years | Percentage who report discriminatory attitudes towards people living with HIV <sup>A</sup> | Number of men age 15-24 years who have heard of AIDS |
|  | Have comprehensive knowledge <sup>1</sup> | Know all three means of HIV transmission from mother to child | Know a place to get tested for HIV | Have ever been tested and know the result of the most recent test | Have been tested for HIV in the last 12 months and know the result <sup>2</sup> |                               |  |  |
| <b>Total</b>   | <b>52.9</b>                               | <b>49.1</b>   | <b>57.0</b>                        | <b>9.2</b>  | <b>1.5</b>  | <b>2,327</b>                  | <b>31.9</b>  | <b>2,184</b>   |
| <b>Area</b>  |   |   |                                    |   |   |                               |  |  |
| Urban  | 53.4                                      | 51.8  | 60.5                               | 9.2   | 1.3   | 1,183                         | 34.1   | 1,126  |
| Rural  | 52.4                                      | 46.3  | 53.3                               | 9.2   | 1.7   | 1,143                         | 29.6   | 1,058  |
| <b>Region</b>  |   |   |                                    |   |   |                               |  |  |
| Bangkok  | 52.7                                      | 53.9  | 63.9                               | 12.1  | 3.0   | 354                           | 37.9   | 349  |
| Central  | 52.9                                      | 42.9  | 58.4                               | 11.7  | 1.1   | 729                           | 29.4   | 692  |
| North  | 58.1                                      | 51.5  | 59.8                               | 9.9   | 3.7   | 317                           | 29.9   | 307  |
| Northeast  | 53.4                                      | 50.9  | 52.1                               | 4.0   | 0.7   | 566                           | 28.7   | 511  |
| South  | 47.8                                      | 51.9  | 52.5                               | 9.0   | 0.2   | 360                           | 37.5   | 324  |
| <b>Age</b>   |   |   |                                    |   |   |                               |  |  |
| 15-19  | 54.1                                      | 47.9  | 52.8                               | 3.2   | 0.4   | 1,213                         | 33.7   | 1,129  |
| 15-17  | 53.0                                      | 46.8  | 51.7                               | 2.3   | 0.0   | 775                           | 35.6   | 726  |
| 18-19  | 56.1                                      | 49.8  | 54.5                               | 4.8   | 1.1   | 438                           | 30.2   | 403  |
| 20-24  | 51.6                                      | 50.4  | 61.6                               | 15.8  | 2.7   | 1,114                         | 30.0   | 1,055  |
| 20-22  | 54.4                                      | 53.8  | 60.6                               | 12.9  | 2.3   | 637                           | 31.7   | 614  |
| 23-24  | 47.9                                      | 45.8  | 62.9                               | 19.6  | 3.1   | 477                           | 27.6   | 441  |
| <b>Education</b>   |   |   |                                    |   |   |                               |  |  |
| Pre-primary or none  | (26.2)                                    | (34.5)  | (25.3)                             | (11.0)  | (0.0)   | 34                            | (38.2)   | 29   |
| Primary  | 38.5                                      | 48.0  | 48.6                               | 14.7  | 1.0   | 243                           | 29.5   | 217  |
| Lower secondary  | 47.5                                      | 49.2  | 56.2                               | 11.1  | 0.4   | 530                           | 31.6   | 490  |
| Upper secondary  | 55.3                                      | 48.6  | 57.7                               | 6.8   | 1.9   | 955                           | 34.6   | 905  |
| Higher   | 63.2                                      | 52.5  | 63.4                               | 9.3   | 2.3   | 552                           | 27.4   | 530  |

| Table TM.9.8M: Key HIV and AIDS indicators (young men) (continued)  |   |   |                                    |   |   |                               |  |  |
|---|---|---|------------------------------------|---|---|-------------------------------|--|--|
| Percentage of men age 15-24 years by key HIV and AIDS indicators, Thailand, 2022  |   |   |                                    |   |   |                               |  |  |
|   | Percentage of men age 15-24 years who:    |   |                                    |   |   | Number of men age 15-24 years | Percentage who report discriminatory attitudes towards people living with HIV <sup>A</sup> | Number of men age 15-24 years who have heard of AIDS |
|   | Have comprehensive knowledge <sup>1</sup> | Know all three means of HIV transmission from mother to child | Know a place to get tested for HIV | Have ever been tested and know the result of the most recent test | Have been tested for HIV in the last 12 months and know the result <sup>2</sup> |                               |  |  |
| <b>Marital status</b>   |   |   |                                    |   |   |                               |  |  |
| Ever married/in union   | 47.2                                      | 50.2  | 68.2                               | 30.4  | 2.5   | 277                           | 32.5   | 269  |
| Never married/in union  | 53.7                                      | 48.9  | 55.5                               | 6.3   | 1.4   | 2,049                         | 31.8   | 1,915  |
| <b>Native language of household head</b>  |   |   |                                    |   |   |                               |  |  |
| Thai  | 54.5                                      | 50.3  | 59.3                               | 9.3   | 1.6   | 2,108                         | 32.4   | 1,986  |
| Non-Thai  | 37.8                                      | 37.7  | 34.6                               | 8.3   | 1.0   | 219                           | 26.9   | 198  |
| <b>Wealth index quintile</b>  |   |   |                                    |   |   |                               |  |  |
| Poorest   | 47.5                                      | 48.1  | 55.2                               | 6.3   | 2.2   | 453                           | 34.4   | 422  |
| Second  | 48.6                                      | 46.8  | 55.9                               | 10.4  | 1.6   | 545                           | 32.0   | 504  |
| Middle  | 57.6                                      | 53.7  | 53.3                               | 8.9   | 1.0   | 472                           | 29.3   | 445  |
| Fourth  | 49.6                                      | 45.8  | 57.5                               | 11.0  | 0.7   | 433                           | 34.1   | 397  |
| Richest   | 62.5                                      | 51.3  | 64.0                               | 9.3   | 2.0   | 424                           | 30.0   | 415  |
| <sup>1</sup> MICS indicator TM.29 - Comprehensive knowledge about HIV prevention among young people<br><sup>2</sup> MICS indicator TM.34 - Young people who have been tested for HIV and know the results<br><sup>A</sup> Refer to Table TM.9.5M for the two components.<br>( ) Figures that are based on 25-49 unweighted cases.<br>Note: The category of 'DK/Missing' in the background characteristic of 'Education' has been suppressed from the table due to small number of unweighted cases. |   |   |                                    |   |   |                               |  |  |



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## CHAPTER 6 THRIVE – CHILD HEALTH, NUTRITION AND DEVELOPMENT

### 6.1 IMMUNISATION

Immunisation is a proven tool for controlling and eliminating life-threatening infectious diseases and is estimated to avert between 3.5 and 5 million deaths each year.<sup>1</sup> It is one of the most cost-effective health investments, with proven strategies that make it accessible to even the most hard-to-reach and vulnerable populations.

The WHO Recommended Routine Immunisations for Children<sup>2</sup> recommends all children to be vaccinated against tuberculosis, diphtheria, tetanus, pertussis, polio, measles, hepatitis B, haemophilus influenzae type b, pneumococcal bacteria/disease, rotavirus, and rubella.<sup>3</sup>

At the global level, SDG indicator 3.b.1 is used to monitor the progress of the vaccination of children at the national level. The proportions of the target population covered by DTP and measles are presented in Table TC.1.1.

All doses in the primary series are recommended to be completed before the child's first birthday, although depending on the epidemiology of disease in a country, the first doses of measles and rubella containing vaccines may be recommended at 12 months or later. The recommended number and timing of most other doses also vary slightly with local epidemiology and may include booster doses later in childhood.

The vaccination schedule of National Immunisation Programme of Thailand is illustrated in the following table. (Mother and Child Health Handbook version 2021, Ministry of Public Health)

| Age       | Vaccination |      |     |                           |                   |     |     |     |      |
|-----------|-------------|------|-----|---------------------------|-------------------|-----|-----|-----|------|
|           | BCG         | HepB | OPV | DTP-HepB-Hib <sup>4</sup> | Rota <sup>5</sup> | IPV | MMR | DTP | LAJE |
| At birth  | √           | √    |     |                           |                   |     |     |     |      |
| 2 months  |             |      | √   | √                         | √                 |     |     |     |      |
| 4 months  |             |      | √   | √                         | √                 | √   |     |     |      |
| 6 months  |             |      | √   | √                         | √                 |     |     |     |      |
| 9 months  |             |      |     |                           |                   |     | √   |     |      |
| 1 year    |             |      |     |                           |                   |     |     |     | √    |
| 1.5 years |             |      | √   |                           |                   |     | √   | √   |      |
| 2.5 years |             |      |     |                           |                   |     |     |     | √    |
| 4 years   |             |      | √   |                           |                   |     |     | √   |      |

Taking into consideration this vaccination schedule, the estimates for full vaccination coverage from the Thailand MICS 2022 are based on children age 12-23/24-35 months.

<sup>1</sup> "Immunization Highlights 2015." World Health Organization. June 27, 2016. Accessed August 23, 2018.

<http://www.who.int/immunization/highlights/2015/en/>.

Carter, Austin and Msemburi, William and Sim, So Yoon and A.M. Gaythorpe, Katy and Lindstrand, Ann and Hutubessy, Raymond C.W., Modeling the Impact of Vaccination for the Immunization Agenda 2030: Deaths Averted Due to Vaccination Against 14 Pathogens in 194 Countries from 2021-2030 (April 20, 2021). Available at SSRN: <https://ssrn.com/abstract=3830781> or <http://dx.doi.org/10.2139/ssrn.3830781>.

<sup>2</sup> "WHO Recommendations for Routine Immunization - Summary Tables." World Health Organization. August 22, 2018.

Accessed August 23, 2018. [http://www.who.int/immunization/policy/immunization\\_tables/en/](http://www.who.int/immunization/policy/immunization_tables/en/).

<sup>3</sup> Additionally, vaccination against the human papillomavirus (HPV) is recommended for girls from 9 to 14 years of age, but coverage of this vaccine is not yet included in MICS, as methodology is under development.

<sup>4</sup> Hib vaccination was first introduced in the 2019 schedule. Therefore, this vaccination was not included in the questionnaire for children under 5.

<sup>5</sup> Rota vaccination was first introduced in the 2020 schedule. Therefore, this vaccination was not included in the questionnaire for children under 5.



Information on vaccination coverage was collected for all children under five years of age. All mothers or caretakers were asked to provide vaccination cards. If the vaccination card for a child was available, interviewers copied vaccination information from the cards onto the MICS questionnaire. If no vaccination card was available for the child, the interviewer proceeded to ask the mother to recall whether the child had received each of the vaccinations, and, for applicable antigens, how many doses were received. The final vaccination coverage estimates are based on information obtained from the vaccination card and the mother's report of vaccinations received by the child.

Table TC.1.2 presents vaccination coverage estimates among children age 12-23 and 24-35 months by background characteristics. The figures indicate children receiving the vaccinations at any time up to the date of the survey, and are based on information from both the vaccination cards and mothers'/caretakers' reports.

| Table TC.1.1: Vaccinations in the first years of life   |  |                 |                                      |                                |  |                 |                                      |   |
|---|--|-----------------|--------------------------------------|--------------------------------|--|-----------------|--------------------------------------|---|
| Percentage of children age 12-23 months and 24-35 months vaccinated against vaccine preventable childhood diseases at any time before the survey (Crude coverage) and by their first birthday, Thailand, 2022 |  |                 |                                      |                                |  |                 |                                      |   |
|   | Children age 12-23 months:                             |                 |                                      |                                | Children age 24-35 months:                             |                 |                                      |   |
|   | Vaccinated at any time before the survey according to: |                 |                                      |                                | Vaccinated at any time before the survey according to: |                 |                                      |   |
|   | Vaccination records <sup>A</sup>                       | Mother's report | Either <sup>B</sup> (Crude coverage) | Vaccinated by 12 months of age | Vaccination records <sup>A</sup>                       | Mother's report | Either <sup>B</sup> (Crude coverage) | Vaccinated by 24 months of age <sup>F</sup> |
| <b>Antigen</b>  |  |                 |                                      |                                |  |                 |                                      |   |
| BCG <sup>1</sup>  | 89.0   | 9.4             | 98.4                                 | 98.4                           | 83.5   | 14.0            | 97.5                                 | 97.4  |
| <b>Polio</b>  |  |                 |                                      |                                |  |                 |                                      |   |
| OPV1  | 88.1   | 9.0             | 97.1                                 | 96.4                           | 82.3   | 13.8            | 96.1                                 | 95.8  |
| OPV2  | 87.0   | 5.9             | 92.9                                 | 92.1                           | 81.8   | 10.5            | 92.4                                 | 92.1  |
| OPV3 <sup>2</sup>   | 84.6   | 4.7             | 89.3                                 | 87.3                           | 81.0   | 9.1             | 90.1                                 | 87.3  |
| <b>IPV</b>  |  |                 |                                      |                                |  |                 |                                      |   |
|   | 78.4   | 8.7             | 87.1                                 | 85.1                           | 75.1   | 13.1            | 88.2                                 | 84.7  |
| <b>DTP</b>  |  |                 |                                      |                                |  |                 |                                      |   |
| 1   | 88.1   | 8.3             | 96.3                                 | 95.6                           | 82.4   | 13.2            | 95.6                                 | 95.2  |
| 2   | 87.0   | 5.0             | 91.9                                 | 91.0                           | 81.9   | 9.7             | 91.6                                 | 91.1  |
| 3 <sup>3</sup>  | 84.6   | 4.1             | 88.7                                 | 86.8                           | 81.0   | 8.5             | 89.6                                 | 86.4  |
| <b>HepB</b>   |  |                 |                                      |                                |  |                 |                                      |   |
| At birth <sup>C</sup>   | 88.8   | 0.0             | 88.9                                 | 88.9                           | 82.4   | 0.4             | 82.8                                 | 82.7  |
| Within 1 day  | 78.0   | 0.0             | 78.0                                 | 78.0                           | 74.9   | 0.0             | 74.9                                 | 74.9  |
| Later   | 10.7   | 0.0             | 10.7                                 | 10.7                           | 7.4  | 0.0             | 7.4                                  | 7.3   |
| 1   | 88.1   | 6.2             | 94.2                                 | 93.5                           | 82.4   | 10.7            | 93.1                                 | 92.7  |
| 2   | 87.0   | 2.0             | 89.0                                 | 88.1                           | 81.9   | 6.2             | 88.1                                 | 87.6  |
| 3 <sup>4</sup>  | 84.6   | 1.0             | 85.7                                 | 83.8                           | 81.0   | 3.9             | 84.9                                 | 81.9  |
| MMR1 <sup>5,6</sup>   | 85.0   | 7.8             | 92.8                                 | 88.4                           | 80.7   | 13.4            | 94.1                                 | 87.4  |
| OPV4  | 32.2   | 0.7             | 32.9                                 | 0.0                            | 65.5   | 3.4             | 68.9                                 | 66.6  |
| DTP4  | 32.2   | 0.8             | 33.0                                 | 0.0                            | 65.5   | 3.8             | 69.3                                 | 67.0  |
| JE1 <sup>7</sup>  | 77.3   | 7.7             | 85.1                                 | 46.2                           | 79.4   | 12.3            | 91.7                                 | 90.4  |
| <b>Fully vaccinated</b>   |  |                 |                                      |                                |  |                 |                                      |   |
| <i>Including HepB at birth</i>  |  |                 |                                      |                                |  |                 |                                      |   |
| Basic antigens <sup>8,D1</sup>  | 82.6   | 0.0             | 82.6                                 | 77.4                           | 78.9   | 0.1             | 79.0                                 | 70.4  |
| All antigens <sup>9,E1</sup>  | 31.8   | 0.0             | 31.8                                 | na                             | 63.9   | 0.0             | 63.9                                 | 53.1  |
| All antigens <sup>9,E3</sup>  | 75.7   | 0.0             | 75.7                                 | na                             | 76.7   | 0.1             | 76.8                                 | 67.4  |

**Table TC.1.1: Vaccinations in the first years of life (continued)**

Percentage of children age 12-23 months and 24-35 months vaccinated against vaccine preventable childhood diseases at any time before the survey (Crude coverage) and by their first birthday, Thailand, 2022

|                                | Children age 12-23 months:                             |                 |                                      |                                | Children age 24-35 months:                             |                 |                                      |   |
|--------------------------------|--|-----------------|--------------------------------------|--------------------------------|--|-----------------|--------------------------------------|---|
|                                | Vaccinated at any time before the survey according to: |                 |                                      |                                | Vaccinated at any time before the survey according to: |                 |                                      |   |
|                                | Vaccination records <sup>A</sup>                       | Mother's report | Either <sup>B</sup> (Crude coverage) | Vaccinated by 12 months of age | Vaccination records <sup>A</sup>                       | Mother's report | Either <sup>B</sup> (Crude coverage) | Vaccinated by 24 months of age <sup>F</sup> |
| <i>Excluding HepB at birth</i> |  |                 |                                      |                                |  |                 |                                      |   |
| Basic antigens <sup>8,D2</sup> | 82.8   | 0.5             | 83.2                                 | 78.0                           | 79.3   | 3.2             | 82.5                                 | 73.6  |
| All antigens <sup>9,E2</sup>   | 31.8   | 0.1             | 32.0                                 | na                             | 64.3   | 2.2             | 66.4                                 | 55.3  |
| All antigens <sup>9,E4</sup>   | 75.8   | 0.5             | 76.3                                 | na                             | 77.2   | 3.2             | 80.4                                 | 70.6  |
| No vaccinations                | 0.0  | 1.0             | 1.0                                  | 1.0                            | 0.0  | 1.5             | 1.5                                  | 1.5   |
| Number of children             | 1,994  | 1,994           | 1,994                                | 1,994                          | 2,276  | 2,276           | 2,276                                | 2,276                                       |

<sup>1</sup> MICS indicator TC.1 - Tuberculosis immunization coverage

<sup>2</sup> TH indicator TC.S1 - Polio immunization coverage

<sup>3</sup> MICS indicator TC.3 - Diphtheria, tetanus and pertussis (DTP) immunization coverage; SDG indicator 3.b.1 & 3.8.1

<sup>4</sup> MICS indicator TC.4 - Hepatitis B immunization coverage

<sup>5</sup> MICS indicator TC.8 - Rubella immunization coverage

<sup>6</sup> MICS indicator TC.10 - Measles immunization coverage; SDG indicator 3.b.1

<sup>7</sup> TH indicator TC.S2 - Encephalitis immunization coverage

<sup>8</sup> MICS indicator TC.11a - Full immunization coverage (basic antigens)

<sup>9</sup> MICS indicator TC.11b - Full immunization coverage (all antigens)

na: not applicable

<sup>A</sup> Vaccination card or other documents where the vaccinations are written down

<sup>B</sup> MICS indicators TC.1, TC.3, TC.4, TC.8, TC10, and TC.11a refer to children age 12-23 months; MICS indicators TC.11b refer to children age 24-35 months

<sup>C</sup> The Hepatitis B birth dose is further disaggregated by timing of dose. For children with vaccination records, "Within 1 day" includes records of a dose given on the day of birth or the following day. For children relying on mother's report, "Within 1 day" refers to the 24 hours following birth, as this is specifically used in the recall question. Cases with unknown timing are not shown in the disaggregate, but are included in the total, which therefore may present more cases than the sum of the disaggregate.

<sup>D1</sup> Basic antigens include: BCG, Polio3, DTP3, HepB3 (including HepB0), MMR1

<sup>D2</sup> Basic antigens include: BCG, Polio3, DTP3, HepB3 (excluding HepB0), MMR1

<sup>E1</sup> All antigens include: BCG, Polio4, DTP4, HepB3 (including HepB0), MMR1 and JE1

<sup>E2</sup> All antigens include: BCG, Polio4, DTP4, HepB3 (excluding HepB0), MMR1 and JE1

<sup>E3</sup> All antigens include: BCG, Polio3, DTP3, HepB3 (including HepB0), MMR1 and JE1

<sup>E4</sup> All antigens include: BCG, Polio3, DTP3, HepB3 (excluding HepB0), MMR1 and JE1

<sup>F</sup> OPV4 and DTP4 by 24 months

**Table TC.1.2: Vaccinations by background characteristics (12-23 months)**

Percentage of children age 12-23 months currently vaccinated against vaccine preventable childhood diseases (Crude coverage), Thailand, 2022

|  | Percentage of children age 12-23 months who received: |       |       |                    |      |      |      |                |          |      |      |                      |                                |                                |                   |                 |                                  | Percentage with:                      |                | Number of children age 12-23 months |  |
|--|---|-------|-------|--------------------|------|------|------|----------------|----------|------|------|----------------------|--------------------------------|--------------------------------|-------------------|-----------------|----------------------------------|---------------------------------------|----------------|-------------------------------------|--|
|  | Polio   |       |       |                    |      | DTP  |      |                | HepB     |      |      | MMR 1 <sup>5,6</sup> | Basic antigens <sup>7,A1</sup> | Basic antigens <sup>7,A2</sup> | JE 1 <sup>8</sup> | No vaccinations | Vaccination records <sup>B</sup> | Vaccination records seen <sup>C</sup> |                |                                     |  |
|  | BCG <sup>1</sup>                                      | OPV 1 | OPV 2 | OPV 3 <sup>2</sup> | IPV  | 1    | 2    | 3 <sup>3</sup> | At birth | 1    | 2    |                      |                                |                                |                   |                 |                                  |                                       | 3 <sup>4</sup> |                                     |  |
| <b>Total</b>                             | 98.4  | 97.1  | 92.9  | 89.3               | 87.1 | 96.3 | 91.9 | 88.7           | 88.9     | 94.2 | 89.0 | 85.7                 | 92.8                           | 82.6                           | 83.2              | 85.1            | 1.0                              | 95.8                                  | 89.1           | 1,994                               |  |
| <b>Sex</b>                               |   |       |       |                    |      |      |      |                |          |      |      |                      |                                |                                |                   |                 |                                  |                                       |                |                                     |  |
| Male                                     | 98.5  | 97.4  | 92.8  | 89.5               | 87.1 | 96.6 | 91.9 | 88.6           | 86.6     | 92.4 | 87.2 | 83.9                 | 93.1                           | 81.1                           | 81.9              | 87.4            | 0.4                              | 94.3                                  | 86.8           | 1,009                               |  |
| Female                                   | 98.3  | 96.8  | 93.0  | 89.2               | 87.1 | 96.0 | 91.9 | 88.7           | 91.2     | 96.1 | 90.8 | 87.5                 | 92.5                           | 84.1                           | 84.6              | 82.7            | 1.5                              | 97.3                                  | 91.4           | 985                                 |  |
| <b>Area</b>                              |   |       |       |                    |      |      |      |                |          |      |      |                      |                                |                                |                   |                 |                                  |                                       |                |                                     |  |
| Urban                                    | 98.2  | 97.0  | 90.3  | 87.2               | 87.2 | 95.8 | 88.5 | 86.2           | 82.1     | 91.3 | 83.7 | 81.5                 | 92.4                           | 77.6                           | 78.7              | 86.2            | 0.4                              | 93.0                                  | 82.5           | 734                                 |  |
| Rural                                    | 98.5  | 97.2  | 94.4  | 90.6               | 87.0 | 96.6 | 93.9 | 90.2           | 92.8     | 95.9 | 92.1 | 88.1                 | 93.0                           | 85.6                           | 85.9              | 84.4            | 1.3                              | 97.4                                  | 92.9           | 1,260                               |  |
| <b>Region</b>                            |   |       |       |                    |      |      |      |                |          |      |      |                      |                                |                                |                   |                 |                                  |                                       |                |                                     |  |
| Bangkok                                  | 100.0   | 96.1  | 79.1  | 74.9               | 89.4 | 96.5 | 78.6 | 74.6           | 64.7     | 82.5 | 69.2 | 65.6                 | 93.1                           | 60.2                           | 62.6              | 89.9            | 0.0                              | 90.8                                  | 65.5           | 160                                 |  |
| Central                                  | 98.7  | 99.2  | 97.5  | 92.6               | 87.7 | 97.8 | 96.1 | 92.2           | 92.7     | 96.5 | 93.3 | 89.4                 | 94.3                           | 86.4                           | 86.4              | 88.7            | 0.8                              | 97.7                                  | 92.8           | 481                                 |  |
| North                                    | 94.9  | 94.6  | 92.6  | 92.0               | 85.4 | 94.6 | 92.1 | 91.4           | 90.6     | 93.9 | 91.1 | 90.5                 | 92.8                           | 88.5                           | 89.5              | 83.5            | 2.8                              | 95.6                                  | 90.8           | 414                                 |  |
| Northeast                                | 99.7  | 99.4  | 97.9  | 94.7               | 90.3 | 98.7 | 96.3 | 93.8           | 92.9     | 97.1 | 95.5 | 92.2                 | 96.4                           | 89.4                           | 89.8              | 87.1            | 0.3                              | 98.2                                  | 93.0           | 648                                 |  |
| South                                    | 99.1  | 92.7  | 82.1  | 76.3               | 80.3 | 91.1 | 82.2 | 75.5           | 84.4     | 91.1 | 75.3 | 69.3                 | 82.3                           | 65.3                           | 66.0              | 74.2            | 0.5                              | 90.2                                  | 84.5           | 291                                 |  |
| <b>Mother's education</b>                |   |       |       |                    |      |      |      |                |          |      |      |                      |                                |                                |                   |                 |                                  |                                       |                |                                     |  |
| Pre-primary or none                      | 100.0   | 93.6  | 75.6  | 70.2               | 90.2 | 90.3 | 74.7 | 69.3           | 72.6     | 82.9 | 72.6 | 67.2                 | 89.2                           | 67.1                           | 67.1              | 82.5            | 0.0                              | 84.2                                  | 72.6           | 80                                  |  |
| Primary                                  | 97.0  | 96.0  | 92.8  | 89.9               | 87.4 | 95.6 | 92.8 | 89.7           | 91.6     | 94.6 | 90.5 | 88.0                 | 90.7                           | 84.3                           | 84.7              | 82.9            | 0.8                              | 95.1                                  | 91.8           | 504                                 |  |
| Lower secondary                          | 99.0  | 97.1  | 95.1  | 92.2               | 88.1 | 96.7 | 94.6 | 92.3           | 92.1     | 95.0 | 92.0 | 89.5                 | 92.7                           | 86.2                           | 86.7              | 87.0            | 0.9                              | 97.5                                  | 92.3           | 393                                 |  |
| Upper secondary                          | 97.8  | 96.7  | 93.1  | 89.7               | 89.9 | 96.4 | 92.1 | 89.4           | 89.2     | 94.5 | 89.1 | 85.4                 | 92.3                           | 82.5                           | 82.9              | 84.6            | 2.2                              | 96.3                                  | 89.2           | 480                                 |  |
| Higher                                   | 99.6  | 99.0  | 93.7  | 89.1               | 83.8 | 97.5 | 91.5 | 87.2           | 86.0     | 94.7 | 87.7 | 83.6                 | 95.9                           | 80.7                           | 82.0              | 86.3            | 0.2                              | 96.4                                  | 86.3           | 534                                 |  |
| <b>Native language of household head</b> |   |       |       |                    |      |      |      |                |          |      |      |                      |                                |                                |                   |                 |                                  |                                       |                |                                     |  |
| Thai                                     | 98.3  | 97.7  | 94.5  | 91.2               | 87.8 | 97.2 | 93.3 | 90.5           | 88.8     | 94.8 | 90.4 | 87.4                 | 94.5                           | 84.3                           | 85.1              | 86.5            | 1.0                              | 95.8                                  | 89.0           | 1,730                               |  |
| Non-Thai                                 | 98.9  | 93.0  | 82.6  | 77.4               | 82.2 | 90.8 | 82.6 | 76.9           | 89.1     | 90.5 | 79.6 | 74.4                 | 82.0                           | 71.3                           | 71.4              | 76.0            | 0.6                              | 95.4                                  | 89.4           | 264                                 |  |

**Table TC.1.2: Vaccinations by background characteristics (12-23 months) (continued)**

Percentage of children age 12-23 months currently vaccinated against vaccine preventable childhood diseases (Crude coverage), Thailand, 2022

|                              | Percentage of children age 12-23 months who received: |       |       |                    |      |      |      |                |          |      |      |                      |                                |                                |                   | Percentage with: |                                  | Number of children age 12-23 months |                                       |                |
|------------------------------|---|-------|-------|--------------------|------|------|------|----------------|----------|------|------|----------------------|--------------------------------|--------------------------------|-------------------|------------------|----------------------------------|-------------------------------------|---------------------------------------|----------------|
|                              | Polio   |       |       |                    |      | DTP  |      |                | HepB     |      |      | MMR 1 <sup>5,6</sup> | Basic antigens <sup>7,A1</sup> | Basic antigens <sup>7,A2</sup> | JE 1 <sup>8</sup> | No vaccinations  | Vaccination records <sup>B</sup> |                                     | Vaccination records seen <sup>C</sup> |                |
|                              | BCG <sup>1</sup>                                      | OPV 1 | OPV 2 | OPV 3 <sup>2</sup> | IPV  | 1    | 2    | 3 <sup>3</sup> | At birth | 1    | 2    |                      |                                |                                |                   |                  |                                  |                                     |                                       | 3 <sup>4</sup> |
| <b>Wealth index quintile</b> |   |       |       |                    |      |      |      |                |          |      |      |                      |                                |                                |                   |                  |                                  |                                     |                                       |                |
| Poorest                      | 97.1  | 95.7  | 91.5  | 88.3               | 88.9 | 95.4 | 91.5 | 88.0           | 92.6     | 94.6 | 90.1 | 86.8                 | 91.7                           | 85.5                           | 85.8              | 82.5             | 2.6                              | 97.4                                | 92.9                                  | 516            |
| Second                       | 99.0  | 96.4  | 91.5  | 88.6               | 89.4 | 94.8 | 90.8 | 88.3           | 91.1     | 94.9 | 88.5 | 85.9                 | 88.1                           | 81.7                           | 82.0              | 80.2             | 0.7                              | 97.7                                | 91.4                                  | 438            |
| Middle                       | 97.3  | 96.8  | 92.4  | 86.3               | 83.4 | 96.5 | 91.2 | 85.5           | 86.8     | 92.9 | 88.0 | 82.9                 | 92.0                           | 78.5                           | 79.1              | 83.3             | 0.3                              | 92.3                                | 86.9                                  | 400            |
| Fourth                       | 99.7  | 98.9  | 96.4  | 93.2               | 92.8 | 98.8 | 94.9 | 92.7           | 89.1     | 93.3 | 90.6 | 88.3                 | 97.6                           | 86.2                           | 86.4              | 93.2             | 0.2                              | 95.4                                | 89.3                                  | 352            |
| Richest                      | 99.7  | 99.0  | 93.8  | 92.0               | 78.6 | 97.2 | 91.7 | 90.0           | 81.1     | 95.5 | 87.2 | 83.9                 | 97.4                           | 80.2                           | 82.3              | 89.6             | 0.3                              | 95.4                                | 81.1                                  | 288            |

<sup>1</sup> MICS indicator TC.1 - Tuberculosis immunization coverage

<sup>2</sup> TH indicator TC.S1 - Polio immunization coverage

<sup>3</sup> MICS indicator TC.3 - Diphtheria, tetanus and pertussis (DTP) immunization coverage; SDG indicator 3.b.1 & 3.8.1

<sup>4</sup> MICS indicator TC.4 - Hepatitis B immunization coverage

<sup>5</sup> MICS indicator TC.8 - Rubella immunization coverage

<sup>6</sup> MICS indicator TC.10 - Measles immunization coverage; SDG indicator 3.b.1

<sup>7</sup> MICS indicator TC.11a - Full immunization coverage (basic antigens)

<sup>8</sup> TH indicator TC.S2 - Encephalitis immunization coverage

<sup>A1</sup> Basic antigens include: BCG, Polio3, DTP3, HepB3 (including HepB0), and MMR1

<sup>A2</sup> Basic antigens include: BCG, Polio3, DTP3, HepB3 (excluding HepB0), and MMR1

<sup>B</sup> Vaccination card or other documents where the vaccinations are written down

<sup>C</sup> Includes children for whom vaccination cards or other documents were observed with at least one vaccination dose recorded (Card availability)

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.

| Table TC.1.3: Vaccinations by background characteristics (24-35 months)  |   |             |                   |                              |                              |                              |                              |                              |                              |                 |                                  |                                       |                                     |
|--|---|-------------|-------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------|----------------------------------|---------------------------------------|-------------------------------------|
| Percentage of children age 24-35 months currently vaccinated against vaccine preventable childhood diseases (Crude coverage), Thailand, 2022 |   |             |                   |                              |                              |                              |                              |                              |                              |                 |                                  |                                       |                                     |
|  | Percentage of children age 24-35 months who received: |             |                   |                              |                              |                              |                              |                              |                              |                 | Percentage with:                 |                                       | Number of children age 24-35 months |
|  | OPV 4   | DTP 4       | JE 1 <sup>1</sup> | Basic antigens <sup>A1</sup> | Basic antigens <sup>A2</sup> | All antigens <sup>2,B1</sup> | All antigens <sup>2,B2</sup> | All antigens <sup>2,B3</sup> | All antigens <sup>2,B4</sup> | No vaccinations | Vaccination records <sup>C</sup> | Vaccination records seen <sup>D</sup> |                                     |
| <b>Total</b>   | <b>68.9</b>   | <b>69.3</b> | <b>91.7</b>       | <b>79.0</b>                  | <b>82.5</b>                  | <b>63.9</b>                  | <b>66.4</b>                  | <b>76.8</b>                  | <b>80.4</b>                  | <b>1.5</b>      | <b>93.1</b>                      | <b>84.0</b>                           | <b>2,276</b>                        |
| <b>Sex</b>   |   |             |                   |                              |                              |                              |                              |                              |                              |                 |                                  |                                       |                                     |
| Male   | 67.3  | 67.9        | 91.1              | 75.7                         | 80.2                         | 61.3                         | 64.9                         | 73.6                         | 78.1                         | 2.0             | 91.9                             | 80.6                                  | 1,296                               |
| Female   | 71.0  | 71.1        | 92.6              | 83.3                         | 85.6                         | 67.3                         | 68.4                         | 81.1                         | 83.3                         | 0.7             | 94.8                             | 88.5                                  | 980                                 |
| <b>Area</b>  |   |             |                   |                              |                              |                              |                              |                              |                              |                 |                                  |                                       |                                     |
| Urban  | 68.7  | 69.6        | 91.4              | 72.7                         | 79.3                         | 60.5                         | 65.4                         | 71.2                         | 77.8                         | 3.4             | 90.0                             | 76.9                                  | 836                                 |
| Rural  | 69.0  | 69.1        | 91.9              | 82.6                         | 84.4                         | 65.8                         | 67.0                         | 80.1                         | 81.9                         | 0.3             | 95.0                             | 88.1                                  | 1,440                               |
| <b>Region</b>  |   |             |                   |                              |                              |                              |                              |                              |                              |                 |                                  |                                       |                                     |
| Bangkok  | 48.9  | 51.9        | 90.6              | 59.9                         | 66.8                         | 41.6                         | 45.6                         | 57.8                         | 64.7                         | 0.0             | 86.9                             | 65.4                                  | 168                                 |
| Central  | 76.0  | 75.4        | 91.6              | 80.1                         | 87.6                         | 66.8                         | 72.9                         | 76.9                         | 84.5                         | 3.1             | 93.5                             | 82.2                                  | 637                                 |
| North  | 71.2  | 73.0        | 95.8              | 82.5                         | 84.6                         | 67.7                         | 69.6                         | 81.7                         | 83.7                         | 1.2             | 93.8                             | 84.0                                  | 416                                 |
| Northeast  | 69.6  | 69.4        | 92.4              | 82.1                         | 83.6                         | 66.7                         | 67.3                         | 80.2                         | 81.7                         | 0.7             | 95.1                             | 88.8                                  | 682                                 |
| South  | 61.9  | 62.4        | 86.8              | 75.9                         | 76.8                         | 59.5                         | 59.8                         | 73.5                         | 74.3                         | 0.9             | 91.0                             | 86.6                                  | 374                                 |
| <b>Mother's education</b>  |   |             |                   |                              |                              |                              |                              |                              |                              |                 |                                  |                                       |                                     |
| Pre-primary or none  | 58.0  | 58.0        | 74.9              | 63.1                         | 70.1                         | 49.9                         | 56.9                         | 62.8                         | 69.8                         | 20.8            | 70.3                             | 66.6                                  | 98                                  |
| Primary  | 73.2  | 73.4        | 92.4              | 82.2                         | 84.6                         | 69.7                         | 71.5                         | 80.7                         | 83.1                         | 0.9             | 95.2                             | 89.1                                  | 553                                 |
| Lower secondary  | 66.7  | 67.3        | 95.5              | 79.9                         | 82.7                         | 62.8                         | 64.5                         | 79.4                         | 82.1                         | 0.8             | 95.4                             | 86.8                                  | 426                                 |
| Upper secondary  | 72.2  | 71.9        | 92.5              | 80.7                         | 81.7                         | 69.5                         | 70.2                         | 79.1                         | 80.1                         | 0.6             | 93.8                             | 84.0                                  | 543                                 |
| Higher   | 65.4  | 66.6        | 90.5              | 76.3                         | 83.0                         | 56.9                         | 61.6                         | 71.7                         | 78.4                         | 0.2             | 92.6                             | 80.2                                  | 647                                 |
| <b>Native language of household head</b>   |   |             |                   |                              |                              |                              |                              |                              |                              |                 |                                  |                                       |                                     |
| Thai   | 70.5  | 70.9        | 93.8              | 80.6                         | 84.5                         | 65.3                         | 68.1                         | 78.6                         | 82.5                         | 0.8             | 93.8                             | 84.3                                  | 2,024                               |
| Non-Thai   | 56.1  | 56.1        | 75.0              | 66.1                         | 67.1                         | 52.5                         | 53.3                         | 62.3                         | 63.3                         | 6.6             | 87.8                             | 81.4                                  | 252                                 |

**Table TC.1.3: Vaccinations by background characteristics (24-35 months) (continued)**

Percentage of children age 24-35 months currently vaccinated against vaccine preventable childhood diseases (Crude coverage), Thailand, 2022

|  | Percentage of children age 24-35 months who received: |       |                   |                              |                              |                              |                              |                              |                              |                 | Percentage with:                 |                                       | Number of children age 24-35 months |  |
|--|---|-------|-------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|------------------------------|-----------------|----------------------------------|---------------------------------------|-------------------------------------|--|
|  | Full vaccination                                      |       |                   |                              |                              |                              |                              |                              |                              |                 | Vaccination records <sup>C</sup> | Vaccination records seen <sup>D</sup> |                                     |  |
|  | OPV 4   | DTP 4 | JE 1 <sup>1</sup> | Basic antigens <sup>A1</sup> | Basic antigens <sup>A2</sup> | All antigens <sup>2,B1</sup> | All antigens <sup>2,B2</sup> | All antigens <sup>2,B3</sup> | All antigens <sup>2,B4</sup> | No vaccinations |                                  |                                       |                                     |  |
| <b>Wealth index quintile</b>   |   |       |                   |                              |                              |                              |                              |                              |                              |                 |                                  |                                       |                                     |  |
| Poorest  | 71.2  | 71.3  | 88.7              | 83.7                         | 85.1                         | 68.9                         | 69.3                         | 81.6                         | 82.9                         | 3.3             | 93.9                             | 89.2                                  | 502                                 |  |
| Second   | 73.1  | 73.5  | 92.6              | 78.9                         | 82.5                         | 67.4                         | 70.8                         | 77.2                         | 80.8                         | 2.7             | 90.9                             | 84.7                                  | 429                                 |  |
| Middle   | 67.3  | 67.9  | 92.0              | 79.8                         | 82.1                         | 64.9                         | 66.5                         | 79.1                         | 81.3                         | 0.8             | 94.7                             | 84.5                                  | 436                                 |  |
| Fourth   | 69.5  | 70.1  | 91.8              | 86.8                         | 88.5                         | 66.7                         | 67.4                         | 82.4                         | 84.1                         | 0.1             | 95.7                             | 91.0                                  | 524                                 |  |
| Richest  | 62.0  | 62.6  | 94.3              | 61.3                         | 71.7                         | 48.5                         | 56.5                         | 60.1                         | 70.4                         | 0.3             | 89.3                             | 66.3                                  | 385                                 |  |
| <sup>1</sup> MICS indicator TC.11b - Full immunization coverage (all antigens)   |   |       |                   |                              |                              |                              |                              |                              |                              |                 |                                  |                                       |                                     |  |
| <sup>2</sup> TH indicator TC.S2 - Encephalitis immunization coverage   |   |       |                   |                              |                              |                              |                              |                              |                              |                 |                                  |                                       |                                     |  |
| <sup>A1</sup> Basic antigens include: BCG, Polio3, DTP3, HepB3 (including HepB0), and MMR1   |   |       |                   |                              |                              |                              |                              |                              |                              |                 |                                  |                                       |                                     |  |
| <sup>A2</sup> Basic antigens include: BCG, Polio3, DTP3, HepB3 (excluding HepB0), and MMR1   |   |       |                   |                              |                              |                              |                              |                              |                              |                 |                                  |                                       |                                     |  |
| <sup>B1</sup> All antigens include: BCG, Polio4, DTP4, HepB3 (including HepB0), MMR1 and JE1   |   |       |                   |                              |                              |                              |                              |                              |                              |                 |                                  |                                       |                                     |  |
| <sup>B2</sup> All antigens include: BCG, Polio4, DTP4, HepB3 (excluding HepB0), MMR1 and JE1   |   |       |                   |                              |                              |                              |                              |                              |                              |                 |                                  |                                       |                                     |  |
| <sup>B3</sup> All antigens include: BCG, Polio3, DTP3, HepB3 (including HepB0), MMR1 and JE1   |   |       |                   |                              |                              |                              |                              |                              |                              |                 |                                  |                                       |                                     |  |
| <sup>B4</sup> All antigens include: BCG, Polio3, DTP3, HepB3 (excluding HepB0), MMR1 and JE1   |   |       |                   |                              |                              |                              |                              |                              |                              |                 |                                  |                                       |                                     |  |
| <sup>C</sup> Vaccination card or other documents where the vaccinations are written down   |   |       |                   |                              |                              |                              |                              |                              |                              |                 |                                  |                                       |                                     |  |
| <sup>D</sup> Includes children for whom vaccination cards or other documents were observed with at least one vaccination dose recorded (Card availability)               |   |       |                   |                              |                              |                              |                              |                              |                              |                 |                                  |                                       |                                     |  |
| Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases. |   |       |                   |                              |                              |                              |                              |                              |                              |                 |                                  |                                       |                                     |  |

## 6.2 HOUSEHOLD ENERGY USE

There is a global consensus and an ever-growing body of evidence that expanding access to clean household energy for cooking, heating, and lighting is key to achieving a range of global priorities such as improving health, gender equality, equitable economic development and environmental protection. Goal 7 of the Sustainable Development Goals seeks to ensure access to affordable, reliable sustainable and modern energy for all by 2030 and would be measured as the percentage of the population relying on clean fuels and technology.<sup>6</sup>

The Thailand MICS 2022 included a module with questions to assess the main technologies and fuels used for cooking and lighting. Information was also collected about the use of technologies with chimneys which can improve indoor air quality through moving a fraction of the pollutants outdoors.

Households that use clean fuels and technologies for cooking are those mainly using electric stove, solar cooker, LPG (Liquefied Petroleum Gas)/cooking gas stove, biogas stove, or a liquid fuel stove burning ethanol/alcohol only. Table TC.2.1 presents the percent distribution of household members according to type of cookstove mainly used by the household and percentage of household members living in households using clean fuels and technologies for cooking.

Table TC.2.2 further presents the percent distribution of household members using polluting fuels and technologies for cooking according to type of cooking fuel mainly used by the household, and percentage of household members living in households using polluting fuels and technologies for cooking while Table TC.2.3 presents the percent distribution of household members in households using polluted fuels for cooking by type and characteristics of cookstove and by place of cooking.

Households that use clean fuels and technologies for lighting are those mainly using electricity, solar lantern, rechargeable or battery powered flashlight, torch or lantern, or biogas lamp. Table TC.2.4 presents the percent distribution of household members according to type of lighting fuel mainly used for lighting by the household, and percentage of household members living in households using clean fuels and technologies for lighting.

The questions asked about cooking and lighting help to monitor SDG indicator 7.1.2, “Proportion of population with primary reliance on clean fuels and technology” for cooking and lighting. Table TC.2.5 presents the percentage of household members living in households using clean fuels and technologies for cooking and lighting.

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<sup>6</sup> WHO. *Burning Opportunity: Clean Household Energy for Health, Sustainable Development, and Wellbeing of Women and Children*. Geneva: WHO Press, 2016.

[http://apps.who.int/iris/bitstream/handle/10665/204717/9789241565233\\_eng.pdf;jsessionid=63CEC48ED96098D4256007A76FEB8907?sequence=1](http://apps.who.int/iris/bitstream/handle/10665/204717/9789241565233_eng.pdf;jsessionid=63CEC48ED96098D4256007A76FEB8907?sequence=1).

**Table TC.2.1: Primary reliance on clean fuels and technologies for cooking**

Percent distribution of household members by type of cookstove mainly used by the household and percentage of household members living in households using clean fuels and technologies for cooking, Thailand, 2022

|  | Percentage of household members in households with primary reliance on: |              |   |              |                                   |                |                |                                 | Total        | Number of household members | Primary reliance on clean fuels and technologies for cooking (in households that reported cooking) <sup>1</sup> | Number of household members (living in households that reported cooking) |
|--|---|--------------|---|--------------|-----------------------------------|----------------|----------------|---------------------------------|--------------|-----------------------------|---|--|
|  | Clean fuels and technologies for cooking and using                      |              |   |              | Other fuels for cooking and using |                |                |                                 |              |                             |   |  |
|  | Electric stove  | Solar cooker | Liquefied Petroleum Gas (LPG) / Cooking gas stove | Biogas stove | Three stone stove/ Open fire      | Charcoal stove | Other/ Missing | No food cooked in the household |              |                             |   |  |
| <b>Total</b>                             | <b>5.1</b>  | <b>0.2</b>   | <b>76.9</b>                                       | <b>0.4</b>   | <b>0.3</b>                        | <b>13.4</b>    | <b>0.0</b>     | <b>3.7</b>                      | <b>100.0</b> | <b>79,511</b>               | <b>85.8</b>   | <b>76,561</b>  |
| <b>Area</b>                              |   |              |   |              |                                   |                |                |                                 |              |                             |   |  |
| Urban                                    | 7.0   | 0.2          | 79.6  | 0.2          | 0.1                               | 6.8            | 0.0            | 6.1                             | 100.0        | 40,204                      | 92.7  | 37,765   |
| Rural                                    | 3.1   | 0.3          | 74.0  | 0.6          | 0.5                               | 20.2           | 0.0            | 1.3                             | 100.0        | 39,307                      | 79.1  | 38,795   |
| <b>Region</b>                            |   |              |   |              |                                   |                |                |                                 |              |                             |   |  |
| Bangkok                                  | 10.1  | 0.2          | 77.1  | 0.2          | 0.0                               | 0.6            | 0.0            | 11.8                            | 100.0        | 10,855                      | 99.4  | 9,570  |
| Central                                  | 5.8   | 0.3          | 87.2  | 0.6          | 0.0                               | 2.4            | 0.0            | 3.8                             | 100.0        | 24,408                      | 97.5  | 23,476   |
| North                                    | 3.2   | 0.1          | 73.0  | 0.3          | 0.6                               | 21.0           | 0.0            | 1.8                             | 100.0        | 12,504                      | 78.1  | 12,278   |
| Northeast                                | 3.2   | 0.3          | 60.0  | 0.4          | 0.6                               | 34.6           | 0.0            | 1.0                             | 100.0        | 20,982                      | 64.5  | 20,771   |
| South                                    | 4.5   | 0.4          | 90.6  | 0.3          | 0.1                               | 1.4            | 0.0            | 2.8                             | 100.0        | 10,763                      | 98.5  | 10,465   |
| <b>Education of household head</b>       |   |              |   |              |                                   |                |                |                                 |              |                             |   |  |
| Pre-primary or none                      | 4.6   | 0.0          | 71.2  | 0.3          | 1.0                               | 20.2           | 0.0            | 2.5                             | 100.0        | 3,702                       | 78.2  | 3,610  |
| Primary                                  | 3.0   | 0.3          | 74.4  | 0.4          | 0.3                               | 19.9           | 0.0            | 1.7                             | 100.0        | 41,775                      | 79.4  | 41,075   |
| Lower secondary                          | 5.4   | 0.2          | 81.6  | 0.6          | 0.2                               | 7.8            | 0.0            | 4.2                             | 100.0        | 9,357                       | 91.6  | 8,961  |
| Upper secondary                          | 6.3   | 0.2          | 80.6  | 0.5          | 0.0                               | 6.6            | 0.0            | 5.8                             | 100.0        | 10,638                      | 93.0  | 10,019   |
| Higher                                   | 10.0  | 0.3          | 80.0  | 0.3          | 0.0                               | 1.0            | 0.0            | 8.3                             | 100.0        | 13,755                      | 98.9  | 12,614   |
| DK/Missing                               | 28.2  | 0.0          | 62.9  | 0.0          | 0.0                               | 8.3            | 0.0            | 0.5                             | 100.0        | 283                         | 91.6  | 282  |
| <b>Native language of household head</b> |   |              |   |              |                                   |                |                |                                 |              |                             |   |  |
| Thai                                     | 5.0   | 0.2          | 77.5  | 0.4          | 0.2                               | 12.8           | 0.0            | 3.8                             | 100.0        | 74,513                      | 86.4  | 71,704   |
| Non-Thai                                 | 6.0   | 0.3          | 68.0  | 0.2          | 1.0                               | 21.7           | 0.0            | 2.8                             | 100.0        | 4,998                       | 76.6  | 4,857  |
| <b>Wealth index quintile</b>             |   |              |   |              |                                   |                |                |                                 |              |                             |   |  |
| Poorest                                  | 4.2   | 0.1          | 39.7  | 0.3          | 0.9                               | 49.9           | 0.0            | 4.8                             | 100.0        | 15,900                      | 46.6  | 15,136   |
| Second                                   | 6.4   | 0.2          | 74.0  | 0.4          | 0.4                               | 11.5           | 0.0            | 7.1                             | 100.0        | 15,905                      | 87.2  | 14,773   |
| Middle                                   | 6.1   | 0.2          | 84.1  | 0.8          | 0.0                               | 4.3            | 0.0            | 4.3                             | 100.0        | 15,901                      | 95.5  | 15,213   |
| Fourth                                   | 4.4   | 0.4          | 91.7  | 0.3          | 0.0                               | 1.3            | 0.0            | 2.0                             | 100.0        | 15,903                      | 98.7  | 15,592   |
| Richest                                  | 4.3   | 0.2          | 94.8  | 0.3          | 0.0                               | 0.0            | 0.0            | 0.3                             | 100.0        | 15,902                      | 100.0   | 15,847   |

<sup>1</sup> MICS indicator TC.15 - Primary reliance on clean fuels and technologies for cooking



**Table TC.2.2: Primary reliance on solid fuels for cooking**

Percent distribution of household members living in households with primary reliance on clean and other fuels and technology for cooking and percentage of household members living in households using polluting fuels and technologies for cooking, Thailand, 2022

|  | Percentage of household members in households with primary reliance on: |   |                         |            |            |                                 |              |  |                             |
|--|---|---|-------------------------|------------|------------|---------------------------------|--------------|--|-----------------------------|
|  | Clean fuels and technologies  | Alcohol/Ethanol/Gasoline/Diesel Kerosene/Paraffin | Solid fuels for cooking |            |            | No food cooked in the household | Total        | Solid fuels and technology for cooking | Number of household members |
|  |   |   | Charcoal                | Wood       | Other      |                                 |              |  |                             |
| <b>Total</b>                             | <b>82.6</b>   | <b>0.0</b>  | <b>8.0</b>              | <b>5.5</b> | <b>0.1</b> | <b>3.7</b>                      | <b>100.0</b> | <b>13.7</b>                            | <b>79,511</b>               |
| <b>Area</b>                              |   |   |                         |            |            |                                 |              |  |                             |
| Urban                                    | 87.1  | 0.0   | 4.2                     | 2.7        | 0.0        | 6.1                             | 100.0        | 6.9                                    | 40,204                      |
| Rural                                    | 78.1  | 0.0   | 11.9                    | 8.5        | 0.2        | 1.3                             | 100.0        | 20.6                                   | 39,307                      |
| <b>Region</b>                            |   |   |                         |            |            |                                 |              |  |                             |
| Bangkok                                  | 87.6  | 0.0   | 0.6                     | 0.0        | 0.0        | 11.8                            | 100.0        | 0.6                                    | 10,855                      |
| Central                                  | 93.8  | 0.0   | 1.7                     | 0.6        | 0.0        | 3.8                             | 100.0        | 2.4                                    | 24,408                      |
| North                                    | 76.6  | 0.1   | 9.9                     | 11.2       | 0.4        | 1.8                             | 100.0        | 21.5                                   | 12,504                      |
| Northeast                                | 63.8  | 0.0   | 21.8                    | 13.2       | 0.1        | 1.0                             | 100.0        | 35.2                                   | 20,982                      |
| South                                    | 95.8  | 0.0   | 0.7                     | 0.7        | 0.0        | 2.8                             | 100.0        | 1.5                                    | 10,763                      |
| <b>Education of household head</b>       |   |   |                         |            |            |                                 |              |  |                             |
| Pre-primary or none                      | 76.2  | 0.3   | 7.8                     | 12.8       | 0.3        | 2.5                             | 100.0        | 21.3                                   | 3,702                       |
| Primary                                  | 78.1  | 0.0   | 11.8                    | 8.3        | 0.1        | 1.7                             | 100.0        | 20.3                                   | 41,775                      |
| Lower secondary                          | 87.8  | 0.0   | 5.5                     | 2.5        | 0.0        | 4.2                             | 100.0        | 8.0                                    | 9,357                       |
| Upper secondary                          | 87.6  | 0.0   | 4.7                     | 1.9        | 0.0        | 5.8                             | 100.0        | 6.6                                    | 10,638                      |
| Higher                                   | 90.7  | 0.0   | 0.9                     | 0.1        | 0.0        | 8.3                             | 100.0        | 1.0                                    | 13,755                      |
| DK/Missing                               | 91.2  | 0.0   | 7.8                     | 0.5        | 0.0        | 0.5                             | 100.0        | 8.3                                    | 283                         |
| <b>Native language of household head</b> |   |   |                         |            |            |                                 |              |  |                             |
| Thai                                     | 83.2  | 0.0   | 8.1                     | 4.9        | 0.1        | 3.8                             | 100.0        | 13.1                                   | 74,513                      |
| Non-Thai                                 | 74.5  | 0.0   | 7.5                     | 15.2       | 0.0        | 2.8                             | 100.0        | 22.7                                   | 4,998                       |
| <b>Wealth index quintile</b>             |   |   |                         |            |            |                                 |              |  |                             |
| Poorest                                  | 44.4  | 0.1   | 28.6                    | 21.9       | 0.2        | 4.8                             | 100.0        | 50.8                                   | 15,900                      |
| Second                                   | 81.0  | 0.1   | 8.1                     | 3.5        | 0.2        | 7.1                             | 100.0        | 11.9                                   | 15,905                      |
| Middle                                   | 91.3  | 0.0   | 2.5                     | 1.9        | 0.0        | 4.3                             | 100.0        | 4.3                                    | 15,901                      |
| Fourth                                   | 96.8  | 0.0   | 0.9                     | 0.4        | 0.0        | 2.0                             | 100.0        | 1.3                                    | 15,903                      |
| Richest                                  | 99.6  | 0.0   | 0.0                     | 0.0        | 0.0        | 0.3                             | 100.0        | 0.0                                    | 15,902                      |

**Table TC.2.3: Polluting fuels and technologies for cooking by type and characteristics of cookstove and place of cooking**

Percentage of household members living in households with primary reliance on polluting fuels and technology for cooking and percent distribution of household members living in households using polluted fuels for cooking by type and characteristics of cookstove and by place of cooking, Thailand, 2022

|  | Percentage of household members living in households with primary reliance on polluting fuels and technology for cooking | Number of household members | Percentage of household members living in households cooking with polluting fuels and |                  |                      |                        |            |                             | Total        | Percentage of household members living in households cooking with polluting fuels and technology in poorly ventilated locations | Number of household members living in households using polluting fuels and technology for cooking |
|--|--|-----------------------------|---|------------------|----------------------|------------------------|------------|-----------------------------|--------------|---|---|
|  |  |                             | Cookstove has   |                  | Place of cooking is: |                        |            |                             |              |   |   |
|  |  |                             | Chimney   | No separate room | In a separate room   | In a separate building | Open air   | On veranda or covered porch |              |   |   |
| <b>Total</b>                             | <b>13.7</b>  | <b>79,511</b>               | <b>2.3</b>  | <b>12.5</b>      | <b>40.5</b>          | <b>17.0</b>            | <b>2.7</b> | <b>27.4</b>                 | <b>100.0</b> | <b>41.3</b>   | <b>10,866</b>   |
| <b>Area</b>                              |  |                             |   |                  |                      |                        |            |                             |              |   |   |
| Urban                                    | 6.9  | 40,204                      | 1.2   | 13.8             | 40.5                 | 18.4                   | 2.7        | 24.7                        | 100.0        | 41.8  | 2,766   |
| Rural                                    | 20.6   | 39,307                      | 3.3   | 12.1             | 40.5                 | 16.5                   | 2.7        | 28.3                        | 100.0        | 41.2  | 8,099   |
| <b>Region</b>                            |  |                             |   |                  |                      |                        |            |                             |              |   |   |
| Bangkok                                  | 0.6  | 10,855                      | 0.0   | 2.9              | 11.3                 | 15.8                   | 30.9       | 39.2                        | 100.0        | 11.3  | 61  |
| Central                                  | 2.4  | 24,408                      | 0.2   | 26.4             | 24.2                 | 6.1                    | 8.1        | 35.3                        | 100.0        | 44.1  | 575   |
| North                                    | 21.5   | 12,504                      | 5.9   | 15.7             | 46.8                 | 13.9                   | 2.9        | 20.5                        | 100.0        | 43.5  | 2,694   |
| Northeast                                | 35.2   | 20,982                      | 4.7   | 10.1             | 40.1                 | 19.1                   | 1.9        | 28.8                        | 100.0        | 40.9  | 7,379   |
| South                                    | 1.5  | 10,763                      | 0.3   | 22.2             | 21.6                 | 10.5                   | 3.7        | 42.0                        | 100.0        | 25.3  | 156   |
| <b>Education of household head</b>       |  |                             |   |                  |                      |                        |            |                             |              |   |   |
| Pre-primary or none                      | 21.3   | 3,702                       | 5.5   | 17.3             | 35.9                 | 8.1                    | 5.1        | 33.7                        | 100.0        | 31.5  | 787   |
| Primary                                  | 20.3   | 41,775                      | 3.1   | 12.5             | 39.8                 | 18.2                   | 2.4        | 27.0                        | 100.0        | 42.0  | 8,462   |
| Lower secondary                          | 8.0  | 9,357                       | 1.5   | 8.5              | 51.4                 | 10.5                   | 1.5        | 28.1                        | 100.0        | 43.1  | 750   |
| Upper secondary                          | 6.6  | 10,638                      | 1.0   | 10.7             | 40.5                 | 20.7                   | 4.8        | 23.3                        | 100.0        | 41.7  | 700   |
| Higher                                   | 1.0  | 13,755                      | 0.1   | 13.5             | 47.8                 | 9.3                    | 3.3        | 26.0                        | 100.0        | 51.5  | 143   |
| <b>Native language of household head</b> |  |                             |   |                  |                      |                        |            |                             |              |   |   |
| Thai                                     | 13.1   | 74,513                      | 2.2   | 11.7             | 41.2                 | 17.3                   | 2.9        | 26.9                        | 100.0        | 41.3  | 9,732   |
| Non-Thai                                 | 22.7   | 4,998                       | 3.0   | 19.3             | 34.7                 | 14.4                   | 0.5        | 31.2                        | 100.0        | 42.0  | 1,134   |
| <b>Wealth index quintile</b>             |  |                             |   |                  |                      |                        |            |                             |              |   |   |
| Poorest                                  | 50.8   | 15,900                      | 7.7   | 15.2             | 34.3                 | 18.9                   | 3.3        | 28.3                        | 100.0        | 39.5  | 8,082   |
| Second                                   | 11.9   | 15,905                      | 2.3   | 4.2              | 57.2                 | 12.1                   | 0.8        | 25.7                        | 100.0        | 45.9  | 1,885   |
| Middle                                   | 4.3  | 15,901                      | 1.0   | 6.5              | 54.8                 | 8.3                    | 0.8        | 29.6                        | 100.0        | 45.6  | 689   |
| Fourth                                   | 1.3  | 15,903                      | 0.4   | 0.2              | 83.5                 | 14.8                   | 1.4        | 0.2                         | 100.0        | 58.0  | 204   |
| Richest                                  | 0.0  | 15,902                      | (*)   | (*)              | (*)                  | (*)                    | (*)        | (*)                         | 100.0        | (*)   | 6   |

(\*) Figures that are based on less than 25 unweighted cases.

Note: The category of 'DK/Missing' in the background characteristics of 'Education of household head' has been suppressed from the table due to small number of unweighted cases.

| Table TC.2.4: Primary reliance on clean fuels and technologies for lighting  |  |               |   |                               |            |   |  |              |   |                             |  |
|--|--|---------------|---|-------------------------------|------------|---|--|--------------|---|-----------------------------|--|
| Percent distribution of household members by type of lighting fuel mainly used for lighting by the household, and percentage of household members living in households using clean fuels and technologies for lighting, Thailand, 2022 |  |               |   |                               |            |   |  |              |   |                             |  |
|  | Percentage of household members in households with primary reliance on |               |   |                               |            |   |  |              | Number of household members (in households that reported the use of lighting) | Number of household members | Primary reliance on clean fuels and technologies for lighting in households that reported the use of lighting <sup>1</sup> |
|  | Clean fuels for lighting:  |               |   | Polluting fuels for lighting: |            |   |  | Total        |   |                             |  |
|  | Electricity  | Solar lantern | Rechargeable flashlight, lamp or lantern/Battery powered torch, lamp or lantern/Biogas lamp | Charcoal                      | Wood       | Gasoline lantern/ Kerosene or paraffine lamp/Candle | Other fuel for lighting/ No lighting in the household/ Missing |              |   |                             |  |
| <b>Total</b>   | <b>99.0</b>  | <b>0.8</b>    | <b>0.0</b>  | <b>0.1</b>                    | <b>0.1</b> | <b>0.0</b>  | <b>0.0</b>   | <b>100.0</b> | <b>79,511</b>   | <b>99.8</b>                 | <b>79,511</b>  |
| <b>Area</b>  |  |               |   |                               |            |   |  |              |   |                             |  |
| Urban  | 99.3   | 0.6           | 0.0   | 0.0                           | 0.0        | 0.0   | 0.0  | 100.0        | 40,204  | 100.0                       | 40,204   |
| Rural  | 98.7   | 0.9           | 0.1   | 0.1                           | 0.1        | 0.0   | 0.0  | 100.0        | 39,307  | 99.7                        | 39,307   |
| <b>Region</b>  |  |               |   |                               |            |   |  |              |   |                             |  |
| Bangkok  | 99.6   | 0.4           | 0.0   | 0.0                           | 0.0        | 0.0   | 0.0  | 100.0        | 10,855  | 100.0                       | 10,855   |
| Central  | 99.5   | 0.4           | 0.1   | 0.0                           | 0.0        | 0.0   | 0.0  | 100.0        | 24,408  | 100.0                       | 24,408   |
| North  | 97.9   | 1.6           | 0.1   | 0.1                           | 0.1        | 0.1   | 0.0  | 100.0        | 12,504  | 99.7                        | 12,504   |
| Northeast  | 98.7   | 0.9           | 0.0   | 0.2                           | 0.2        | 0.0   | 0.0  | 100.0        | 20,982  | 99.7                        | 20,982   |
| South  | 99.2   | 0.7           | 0.0   | 0.0                           | 0.0        | 0.0   | 0.0  | 100.0        | 10,763  | 100.0                       | 10,763   |
| <b>Education of household head</b>   |  |               |   |                               |            |   |  |              |   |                             |  |
| Pre-primary or none  | 97.1   | 1.8           | 0.3   | 0.7                           | 0.1        | 0.1   | 0.0  | 100.0        | 3,702   | 99.1                        | 3,702  |
| Primary  | 98.8   | 1.0           | 0.1   | 0.1                           | 0.0        | 0.0   | 0.0  | 100.0        | 41,775  | 99.9                        | 41,775   |
| Lower secondary  | 99.6   | 0.3           | 0.0   | 0.0                           | 0.0        | 0.0   | 0.0  | 100.0        | 9,357   | 99.9                        | 9,357  |
| Upper secondary  | 99.6   | 0.3           | 0.0   | 0.0                           | 0.1        | 0.0   | 0.0  | 100.0        | 10,638  | 99.9                        | 10,638   |
| Higher   | 99.4   | 0.4           | 0.0   | 0.0                           | 0.1        | 0.0   | 0.0  | 100.0        | 13,755  | 99.9                        | 13,755   |
| DK/Missing   | 100.0  | 0.0           | 0.0   | 0.0                           | 0.0        | 0.0   | 0.0  | 100.0        | 283   | 100.0                       | 283  |
| <b>Native language of household head</b>   |  |               |   |                               |            |   |  |              |   |                             |  |
| Thai   | 99.1   | 0.7           | 0.0   | 0.1                           | 0.1        | 0.0   | 0.0  | 100.0        | 74,513  | 99.9                        | 74,513   |
| Non-Thai   | 98.2   | 1.2           | 0.4   | 0.1                           | 0.1        | 0.1   | 0.0  | 100.0        | 4,998   | 99.8                        | 4,998  |
| <b>Wealth index quintile</b>   |  |               |   |                               |            |   |  |              |   |                             |  |
| Poorest  | 97.7   | 1.4           | 0.2   | 0.4                           | 0.3        | 0.1   | 0.0  | 100.0        | 15,900  | 99.3                        | 15,900   |
| Second   | 99.1   | 0.8           | 0.0   | 0.0                           | 0.0        | 0.0   | 0.0  | 100.0        | 15,905  | 100.0                       | 15,905   |
| Middle   | 99.2   | 0.8           | 0.0   | 0.0                           | 0.0        | 0.0   | 0.0  | 100.0        | 15,901  | 100.0                       | 15,901   |
| Fourth   | 99.5   | 0.4           | 0.0   | 0.0                           | 0.0        | 0.0   | 0.0  | 100.0        | 15,903  | 100.0                       | 15,903   |
| Richest  | 99.6   | 0.4           | 0.0   | 0.0                           | 0.0        | 0.0   | 0.0  | 100.0        | 15,902  | 100.0                       | 15,902   |

<sup>1</sup> MICS indicator TC.17 - Primary reliance on clean fuels and technologies for lighting

**Table TC.2.5: Primary reliance on clean fuels and technologies for cooking and lighting**

Percentage of household members living in households using clean fuels and technologies for cooking and lighting, Thailand, 2022

|  | Primary reliance on clean fuels and technologies for cooking and lighting <sup>1,A</sup> | Number of household members |
|--|--|-----------------------------|
| <b>Total</b>                             | <b>86.3</b>  | <b>79,511</b>               |
| <b>Area</b>                              |  |                             |
| Urban                                    | 93.1   | 40,204                      |
| Rural                                    | 79.3   | 39,307                      |
| <b>Region</b>                            |  |                             |
| Bangkok                                  | 99.4   | 10,855                      |
| Central                                  | 97.6   | 24,408                      |
| North                                    | 78.3   | 12,504                      |
| Northeast                                | 64.8   | 20,982                      |
| South                                    | 98.5   | 10,763                      |
| <b>Education of household head</b>       |  |                             |
| Pre-primary or none                      | 78.4   | 3,702                       |
| Primary                                  | 79.7   | 41,775                      |
| Lower secondary                          | 92.0   | 9,357                       |
| Upper secondary                          | 93.4   | 10,638                      |
| Higher                                   | 99.0   | 13,755                      |
| DK/Missing                               | 91.7   | 283                         |
| <b>Native language of household head</b> |  |                             |
| Thai                                     | 86.9   | 74,513                      |
| Non-Thai                                 | 77.3   | 4,998                       |
| <b>Wealth index quintile</b>             |  |                             |
| Poorest                                  | 49.0   | 15,900                      |
| Second                                   | 88.1   | 15,905                      |
| Middle                                   | 95.7   | 15,901                      |
| Fourth                                   | 98.7   | 15,903                      |
| Richest                                  | 100.0  | 15,902                      |

<sup>1</sup> MICS indicator TC.18 - Primary reliance on clean fuels and technologies for cooking and lighting; SDG Indicator 7.1.2

<sup>A</sup> In order to be able to calculate the indicator, household members living in households that report no cooking, or no lighting are not excluded from the numerator.

### 6.3 INFANT AND YOUNG CHILD FEEDING

Optimal infant and young child feeding practices can increase survival and promote healthy growth and development, particularly during the critical window from birth to 2 years of age.

Breastfeeding in the first few years of life protects children from infection, provides an ideal source of nutrients and is economical and safe.<sup>7</sup> Despite these critical benefits, breastfeeding practices are suboptimal in many parts of the world. Many children do not start breastfeeding early enough, do not breastfeed exclusively for the recommended six months or stop breastfeeding too soon.<sup>8</sup> Mothers often face pressures to switch to infant

<sup>7</sup> Victora, C. et al. "Breastfeeding in the 21st century: epidemiology, mechanisms, and lifelong effect." *The Lancet* 387, (2016): 475–90. doi: [https://doi.org/10.1016/S0140-6736\(15\)01024-7](https://doi.org/10.1016/S0140-6736(15)01024-7)

<sup>8</sup> UNICEF. *From the first hour of life. Making the case for improved infant and young child feeding everywhere*. New York:

formula, which can contribute to growth faltering and micronutrient malnutrition. Infant formula and other breastmilk substitutes can also be life-threatening in settings where hygienic conditions and safe drinking water are not readily available. In some cases, it can be unsafe even with proper and hygienic preparation in the home due to food adulteration or other contamination that can affect unaware consumers.<sup>9</sup> As children reach the age of 6 months, their consumption of appropriate, adequate and safe complementary foods and continued breastfeeding leads to better health and growth outcomes, with the potential to reduce stunting during the first two years of life.<sup>10</sup>

UNICEF and WHO recommend that infants be: (i) breastfed within one hour of birth; (ii) breastfed exclusively for the first six months of life; and (iii) breastfed for up to 2 years of age and beyond.<sup>11</sup> Starting at 6 months, breastfeeding should be combined with safe, age-appropriate feeding of solid, semi-solid and soft foods with specific guiding principles available about how the feeding should be done with topics ranging from food consistency to responsive feeding.<sup>12, 13</sup> The breastfeeding recommendations and guiding principles for complementary feeding for which standard indicators<sup>14,15</sup> have been developed, and which are collected in this survey, are listed in the table below.

| Recommendation/<br>guiding principle                    | Indicators /proximate measures <sup>16</sup>  | Notes on interpretation <sup>17</sup>  | Table  |
|---|---|--|--------|
| Breastfeed within one hour of birth                     | <b>Early Initiation of breastfeeding</b><br>Percentage of most recent live-born children to women with a live birth in the last 2 years who were put to the breast within one hour of birth | This is the only indicator in the series based on historical recall, that is, of what happened up to 2 years before the survey interview.  | TC.3.1 |
| Breastfeed exclusively for the first six months of life | <b>Exclusive breastfeeding under 6 months</b><br>Percentage of infants under 6 months of age who are exclusively breastfed <sup>18</sup>  | Captures the desired practice for the entire population of interest (i.e. all children age 0-5 months should be exclusively breastfed) in a 24-hour period. It does not represent the proportion of infants who are exclusively breastfed every day from birth until they are 6 months of age and should not be interpreted as such. | TC.3.3 |

UNICEF, 2016. <https://data.unicef.org/wp-content/uploads/2016/10/From-the-first-hour-of-life.pdf>

<sup>9</sup> Gossner, C. et al. "The Melamine incident: Implications for international food and feed safety." *Environ Health Perspective* 117, no. 12 (2009): 1803–1808. doi: 10.1289/ehp.0900949

<sup>10</sup> Bhuta, Z. et al. "Evidence-based interventions for improvement of maternal and child nutrition: what can be done and at what cost?" *The Lancet* 382, no. 9890 (2013):452-477. doi: 10.1016/S0140-6736(13)60996-4

<sup>11</sup> WHO. *Implementing the Global Strategy for Infant and Young Child Feeding*. Meeting Report, Geneva: WHO Press, 2003. <http://apps.who.int/iris/bitstream/handle/10665/42590/9241562218.pdf?sequence=1>

<sup>12</sup> PAHO. *Guiding principles for complementary feeding of the breastfed child*. 2003.

<sup>13</sup> WHO. *Guiding principles for feeding non-breastfed children 6-24 months of age*. Geneva: WHO Press, 2005. <http://apps.who.int/iris/bitstream/handle/10665/43281/9241593431.pdf?sequence=1>

<sup>14</sup> WHO, UNICEF, USAID, AED, UCDAVIS, IFPRI. Indicators for assessing infant and young child feeding practices, Part I definitions. 2008.

<sup>15</sup> UNICEF, FANTA, USAID, WHO. *Reconsidering, refining and extending the WHO IYCF Indicators*. Meeting Report, New York, 2017. <https://data.unicef.org/resources/meeting-report-infant-young-child-feeding-indicators/>

<sup>16</sup> It should be noted that these indicators are, in general, proximate measures which do not capture the exact recommendations or guidelines, but serve as a basis for monitoring, providing useful information on the population of interest.

<sup>17</sup> For all indicators other than early initiation of breastfeeding, the definition is based on current status, that is, what happened during the day before the survey from the time when the child woke up to the time when he/she went to sleep until the morning of the day of the interview.

<sup>18</sup> Infants receiving breast milk, and not receiving any other fluids or foods, with the exception of oral rehydration solution, vitamins, mineral supplements and medicines.

| Recommendation/<br>guiding principle                                | Indicators /proximate measures <sup>16</sup>   | Notes on interpretation <sup>17</sup>   | Table  |
|---|--|---|--------|
| Introduce solid, semi-solid and soft foods at the age of 6 months   | <b>Introduction of solid, semi-solid or soft foods (age 6-8 months)</b><br>Percentage of infants age 6-8 months who received solid, semi-solid or soft foods during the previous day   | Captures the desired practice for the entire population of interest (i.e. all children age 6-8 months should eat solids) in a 24-hour period. It does not represent the proportion of infants who began receiving solids when they turned 6 months nor the proportion of children age 6-8 months who received solids every day since they turned 6 months of age and should not be interpreted as such. | TC.3.6 |
| Continue frequent, on-demand breastfeeding for two years and beyond | <b>Continued breastfeeding at 1 year and 2 years</b><br>Percentage of children age 12-15 months (1 year) and 20-23 months (2 years) who received breast milk during the previous day   | Captures the desired practice for different populations of interest (children should be breastfed for up to 2 years) in a 24-hour period. However, the label of 1 and 2 years can be confusing given the actual age range in months for each indicator.   | TC.3.3 |
| Provide meals with appropriate frequency and energy density         | <b>Minimum meal frequency (age 6–23 months)</b><br><u>Breastfed children:</u><br>Depending on age, at least two or three meals/snacks provided during the previous day<br><u>Non-breastfed children:</u><br>At least four meals/snacks <u>and/or milk feeds</u> provided during the previous day | This indicator represents the minimum number of meals and not adequacy. In addition, standard questionnaires do not distinguish if milk feeds were provided as part of a solid meal or as a separate meal. Meals may therefore be double counted for some non-breastfed children. Rates should not be compared between breastfed and non-breastfed children.  | TC.3.7 |
| Provide foods with appropriate nutrient content                     | <b>Minimum dietary diversity (age 6–23 months)</b><br>At least five of eight food groups <sup>19</sup> consumed in the 24 hours preceding the survey   | This indicator represents the minimum dietary diversity and not adequacy. In addition, consumption of any amount of food from each food group is sufficient to “count” as the standard indicator is only meant to capture yes/no responses. Rates should not be compared between breastfed and non-breastfed children.  | TC.3.7 |
| Provide an appropriate amount of food                               | No standard indicator exists   |   | na     |
| Provide food with appropriate consistency                           | No standard indicator exists   |   | na     |
| Use of vitamin-mineral supplements or fortified products            | No standard indicator exists   |   | na     |
| Safe preparation and storage of foods                               | While it was not possible to develop indicators to fully capture guidance, one indicator does cover part of the principle:<br>Not feeding with a bottle with a nipple  |   | TC.3.8 |
| Responsive feeding  | No standard indicator exists   |   | na     |

<sup>19</sup> The indicator is based on consumption of any amount of food from at least 5 out of the 8 following food groups: 1) Breastmilk, 2) grains, roots and tubers, 3) legumes and nuts, 4) dairy products (milk, infant formula, yogurt, cheese), 5) flesh foods (meat, fish, poultry and liver/organ meats), 6) eggs, 7) vitamin-A rich fruits and vegetables, and 8) other fruits and vegetables

In addition to the indicators in the table above, three dimensions of complementary feeding are combined to form a composite indicator of “minimum acceptable diet”. This indicator assesses energy needs and nutrient adequacy (apart from iron). To have a minimum acceptable diet, a child must have received in the previous day:

- (i) The appropriate number of meals/snacks/milk feeds;
- (ii) Food items from at least 5 out of 8 food groups for breastfed children; and 4 out of 7<sup>20</sup> food groups for non-breastfed children; and
- (iii) At least two milk feeds for non-breastfed children.

Table TC.3.1 is based on mothers’ reports of when their last-born child, born in the last two years, was first put to the breast. It indicates the proportion who were ever breastfed, as well as those who were first breastfed within one hour and one day of birth.

Table TC.3.2 presents information about liquids or other items newborns were given in the first 3 days of life, apart from breastmilk. The data are disaggregated by various background characteristics, including whether the child was ever breastfed or not.

The set of infant and young child feeding indicators reported in tables TC.3.3 through TC.3.7 are based on the mother’s report of consumption of food and liquids during the day or night prior to being interviewed. Data are subject to a number of limitations, some related to the respondent’s ability to provide a full report on the child’s liquid and food intake due to recall errors, as well as lack of knowledge in cases where the child was fed by other individuals.

In Table TC.3.3, breastfeeding status is presented for *exclusively breastfed* infants age 0–5 months (i.e. those who receive only breastmilk) and *predominantly breastfed* infants age 0–5 months (i.e. those who receive breastmilk in addition to plain water and/or non-milk liquids). The table also shows continued breastfeeding of children age 12–15 months and 20–23 months.

Table TC.3.4 shows the median duration of any breastfeeding among children age 0–35 months and the median duration of exclusive breastfeeding and predominant breastfeeding among children age 0–23 months.

The age-appropriateness of breastfeeding practices for children under the age of 24 months is provided in Table TC.3.5. Different feeding criteria are used depending on the age of the child. For infants age 0–5 months, exclusive breastfeeding is considered age-appropriate feeding, while children age 6–23 months are considered appropriately fed if they are receiving breastmilk and solid, semi-solid or soft foods.

Table TC.3.6 further looks into the introduction of solid, semi-solid, or soft foods for infants age 6–8 months, while Table TC.3.7 presents the percentage of children age 6–23 months who received the minimum number and diversity of meals/snacks during the previous day (referring to solid, semi-solid, or soft food, but also milk feeds for non-breastfed children), by breastfeeding status.

The continued practice of bottle-feeding is a concern because of the potential for contamination if the bottle and/or nipple are not properly cleaned or sterilized. Bottle-feeding can also hinder breastfeeding due to nipple confusion, especially at the youngest ages.<sup>21</sup> Table TC.3.8 presents the percentage of children aged 0–23 months who were bottle-fed with a nipple during the previous day.

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<sup>20</sup> Note that the denominator becomes 7 food groups for non-breastfed children in the composite indicator as the milk products group is removed from diet diversity, as this is assessed separately.

<sup>21</sup> Zimmerman, E. and K. Thompson. “Clarifying Nipple confusion.” *J Perinatol* 35, no.11 (2015):895-9. doi: 10.1038/jp.2015.83.

**Table TC.3.1: Initial breastfeeding**

Percentage of most recent live-born children to women age 15-49 years with a live birth in the last two years who were ever breastfed, breastfed within one hour of birth and within one day of birth, Thailand, 2022

|  | Percentage who were ever breastfed <sup>1</sup> | Percentage of children who were first breastfed: |                         | Number of most recent live-born children to women with a live birth in the last 2 years |
|--|---|--|-------------------------|---|
|  |   | Within one hour of birth <sup>2</sup>            | Within one day of birth |   |
| <b>Total</b>                             | <b>97.3</b>                                     | <b>29.4</b>                                      | <b>75.1</b>             | <b>1,207</b>  |
| <b>Area</b>                              |   |  |                         |   |
| Urban                                    | 97.3  | 33.5   | 74.0                    | 559   |
| Rural                                    | 97.2  | 25.9   | 76.0                    | 648   |
| <b>Region</b>                            |   |  |                         |   |
| Bangkok                                  | 94.1  | 18.6   | 61.6                    | 126   |
| Central                                  | 97.3  | 24.0   | 71.2                    | 375   |
| North                                    | 98.3  | 35.4   | 82.4                    | 186   |
| Northeast                                | 98.6  | 26.2   | 76.2                    | 288   |
| South                                    | 96.4  | 43.3   | 81.6                    | 232   |
| <b>Months since last birth</b>           |   |  |                         |   |
| 0-11 months                              | 95.8  | 31.3   | 72.9                    | 531   |
| 12-23 months                             | 98.4  | 28.0   | 76.8                    | 676   |
| <b>Mother's education</b>                |   |  |                         |   |
| Pre-primary or none                      | 90.5  | 48.7   | 81.7                    | 43  |
| Primary                                  | 97.5  | 30.9   | 77.7                    | 140   |
| Lower secondary                          | 97.9  | 31.2   | 81.4                    | 282   |
| Upper secondary                          | 96.5  | 24.6   | 71.6                    | 316   |
| Higher                                   | 98.0  | 30.4   | 73.1                    | 413   |
| <b>Assistance at delivery</b>            |   |  |                         |   |
| Skilled attendant                        | 97.4  | 29.4   | 75.1                    | 1,203   |
| <b>Place of delivery</b>                 |   |  |                         |   |
| Home                                     | (*)   | (*)  | (*)                     | 3   |
| Health facility                          | 97.4  | 29.4   | 75.1                    | 1,201   |
| Public                                   | 97.4  | 30.3   | 76.7                    | 1,111   |
| Private                                  | 96.4  | 18.6   | 56.2                    | 91  |
| <b>Type of delivery</b>                  |   |  |                         |   |
| Vaginal birth                            | 97.7  | 32.7   | 83.6                    | 712   |
| C-Section                                | 96.6  | 24.7   | 62.9                    | 496   |
| <b>Native language of household head</b> |   |  |                         |   |
| Thai                                     | 97.1  | 30.9   | 74.1                    | 1,036   |
| Non-Thai                                 | 98.5  | 20.3   | 81.2                    | 172   |
| <b>Wealth index quintile</b>             |   |  |                         |   |
| Poorest                                  | 96.6  | 22.6   | 75.7                    | 257   |
| Second                                   | 97.7  | 31.5   | 78.5                    | 249   |
| Middle                                   | 98.1  | 42.0   | 81.0                    | 259   |
| Fourth                                   | 99.2  | 26.4   | 71.5                    | 218   |
| Richest                                  | 94.7  | 23.5   | 67.3                    | 226   |

<sup>1</sup> MICS indicator TC.30 - Children ever breastfed

<sup>2</sup> MICS indicator TC.31 - Early initiation of breastfeeding

(\*) Figures that are based on less than 25 unweighted cases.

Note: The category of 'DK/Missing', 'Other/no attendant/Missing', and 'Other/DK/Missing' in the background characteristics of 'Mother's education', 'Assistance at delivery', and 'Place of delivery' has been suppressed from the table due to small number of unweighted cases.



| Table TC.3.2: Newborn feeding   |                                      |             |                        |             |                |   |            |   |                                    |            |            |   |
|---|--------------------------------------|-------------|------------------------|-------------|----------------|---|------------|---|------------------------------------|------------|------------|---|
| Percentage of most recent live-born children to women age 15-49 years with a live birth in the last 2 years by type of liquids or items (not considering breastmilk) consumed in the first 3 days of life, Thailand, 2022 |                                      |             |                        |             |                |   |            |   |                                    |            |            |   |
|   | Percentage of children who consumed: |             |                        |             |                |   |            | Type <sup>A</sup> of liquids or items (not considering breastmilk) consumed in the first 3 days of life |                                    |            |            | Number of most recent live-born children to women with a live birth in the last 2 years |
|   | Milk (other than breastmilk)         | Plain water | Sugar or glucose water | Fruit juice | Infant formula | Prescribed medicine/ Sugar-salt solutions | Other      | Milk-based liquids only   | Non-milk-based liquids/ items only | Both       | Any        |   |
|   | <b>Total</b>                         | <b>11.9</b> | <b>9.5</b>             | <b>0.1</b>  | <b>0.2</b>     | <b>10.7</b>                               | <b>0.4</b> | <b>0.0</b>  | <b>15.9</b>                        | <b>4.6</b> | <b>5.0</b> |   |
| <b>Area</b>   |                                      |             |                        |             |                |   |            |   |                                    |            |            |   |
| Urban   | 11.9                                 | 9.9         | 0.1                    | 0.3         | 11.0           | 0.2                                       | 0.0        | 15.6  | 5.6                                | 4.3        | 25.5       | 559   |
| Rural   | 11.8                                 | 9.2         | 0.2                    | 0.1         | 10.4           | 0.6                                       | 0.0        | 16.2  | 3.8                                | 5.5        | 25.5       | 648   |
| <b>Region</b>   |                                      |             |                        |             |                |   |            |   |                                    |            |            |   |
| Bangkok   | 9.6                                  | 9.4         | 0.0                    | 0.3         | 13.1           | 0.0                                       | 0.0        | 16.6  | 5.7                                | 3.7        | 26.0       | 126   |
| Central   | 15.5                                 | 16.1        | 0.1                    | 0.3         | 6.6            | 0.5                                       | 0.0        | 11.2  | 5.9                                | 10.2       | 27.3       | 375   |
| North   | 15.4                                 | 6.4         | 0.0                    | 0.0         | 16.7           | 1.5                                       | 0.0        | 23.1  | 5.1                                | 1.3        | 29.6       | 186   |
| Northeast   | 10.5                                 | 5.5         | 0.0                    | 0.2         | 8.2            | 0.1                                       | 0.1        | 14.9  | 1.9                                | 3.6        | 20.4       | 288   |
| South   | 6.1                                  | 6.4         | 0.5                    | 0.1         | 14.5           | 0.0                                       | 0.0        | 18.7  | 5.0                                | 1.8        | 25.5       | 232   |
| <b>Months since birth</b>   |                                      |             |                        |             |                |   |            |   |                                    |            |            |   |
| 0-11 months   | 10.8                                 | 10.9        | 0.1                    | 0.1         | 11.8           | 0.2                                       | 0.0        | 16.3  | 5.5                                | 5.5        | 27.3       | 531   |
| 12-23 months  | 12.7                                 | 8.4         | 0.1                    | 0.2         | 9.9            | 0.6                                       | 0.0        | 15.6  | 3.9                                | 4.5        | 24.1       | 676   |
| <b>Breastfeeding status</b>   |                                      |             |                        |             |                |   |            |   |                                    |            |            |   |
| Ever breastfed  | 10.8                                 | 9.5         | 0.1                    | 0.2         | 9.6            | 0.3                                       | 0.0        | 14.1  | 4.7                                | 4.8        | 23.6       | 1,174   |
| Never breastfed   | 54.7                                 | 11.3        | 0.0                    | 1.1         | 53.7           | 3.8                                       | 0.0        | 87.8  | 1.2                                | 10.1       | 99.0       | 31  |
| <b>Assistance at delivery</b>   |                                      |             |                        |             |                |   |            |   |                                    |            |            |   |
| Skilled attendant   | 11.9                                 | 9.5         | 0.1                    | 0.2         | 10.8           | 0.4                                       | 0.0        | 15.9  | 4.6                                | 5.0        | 25.6       | 1,203   |
| <b>Place of delivery</b>  |                                      |             |                        |             |                |   |            |   |                                    |            |            |   |
| Home  | (*)                                  | (*)         | (*)                    | (*)         | (*)            | (*)                                       | (*)        | (*)   | (*)                                | (*)        | (*)        | 3   |
| Health facility   | 11.9                                 | 9.5         | 0.1                    | 0.2         | 10.8           | 0.4                                       | 0.0        | 15.9  | 4.6                                | 5.0        | 25.6       | 1,201   |
| Public  | 11.1                                 | 9.9         | 0.1                    | 0.2         | 10.3           | 0.5                                       | 0.0        | 14.6  | 4.9                                | 5.1        | 24.6       | 1,111   |
| Private   | 21.0                                 | 5.3         | 0.0                    | 0.0         | 16.7           | 0.0                                       | 0.0        | 32.4  | 1.1                                | 4.1        | 37.7       | 91  |

Table TC.3.2: Newborn feeding (continued)

Percentage of most recent live-born children to women age 15-49 years with a live birth in the last 2 years by type of liquids or items (not considering breastmilk) consumed in the first 3 days of life, Thailand, 2022

|  | Percentage of children who consumed: |             |                        |             |                |   |       |                         | Type <sup>a</sup> of liquids or items (not considering breastmilk) consumed in the first 3 days of life |      |      |       | Number of most recent live-born children to women with a live birth in the last 2 years |
|--|--------------------------------------|-------------|------------------------|-------------|----------------|---|-------|-------------------------|---|------|------|-------|---|
|  | Milk (other than breastmilk)         | Plain water | Sugar or glucose water | Fruit juice | Infant formula | Prescribed medicine/ Sugar-salt solutions | Other | Milk-based liquids only | Non-milk-based liquids/ items only  | Both | Any  |       |   |
|  |                                      |             |                        |             |                |   |       |                         |   |      |      |       |   |
| <b>Mother's education</b>                |                                      |             |                        |             |                |   |       |                         |   |      |      |       |   |
| Pre-primary or none                      | 5.1                                  | 9.8         | 0.1                    | 0.0         | 12.1           | 0.0                                       | 0.0   | 11.2                    | 4.7   | 5.2  | 21.1 | 43    |   |
| Primary                                  | 14.3                                 | 9.7         | 0.1                    | 0.0         | 16.4           | 0.3                                       | 0.0   | 16.2                    | 4.7   | 5.2  | 26.0 | 140   |   |
| Lower secondary                          | 9.3                                  | 11.5        | 0.2                    | 0.0         | 7.0            | 0.5                                       | 0.0   | 11.6                    | 7.3   | 4.4  | 23.3 | 282   |   |
| Upper secondary                          | 10.4                                 | 5.1         | 0.1                    | 0.4         | 9.8            | 0.2                                       | 0.1   | 16.8                    | 2.9   | 2.3  | 21.9 | 316   |   |
| Higher                                   | 14.9                                 | 11.7        | 0.1                    | 0.3         | 11.9           | 0.6                                       | 0.0   | 18.7                    | 4.3   | 7.4  | 30.4 | 413   |   |
| <b>Native language of household head</b> |                                      |             |                        |             |                |   |       |                         |   |      |      |       |   |
| Thai                                     | 11.8                                 | 10.0        | 0.0                    | 0.2         | 10.0           | 0.5                                       | 0.0   | 15.4                    | 4.4   | 5.6  | 25.5 | 1,036 |   |
| Non-Thai                                 | 12.0                                 | 6.5         | 0.5                    | 0.1         | 15.3           | 0.0                                       | 0.0   | 18.8                    | 6.1   | 0.9  | 25.8 | 172   |   |
| <b>Wealth index quintile</b>             |                                      |             |                        |             |                |   |       |                         |   |      |      |       |   |
| Poorest                                  | 14.2                                 | 9.6         | 0.0                    | 0.1         | 11.7           | 0.9                                       | 0.0   | 16.2                    | 5.2   | 4.4  | 25.8 | 257   |   |
| Second                                   | 6.1                                  | 5.4         | 0.3                    | 0.1         | 6.5            | 0.2                                       | 0.1   | 10.4                    | 3.5   | 2.1  | 16.0 | 249   |   |
| Middle                                   | 7.3                                  | 5.1         | 0.3                    | 0.4         | 8.3            | 0.0                                       | 0.0   | 12.3                    | 3.7   | 1.6  | 17.7 | 259   |   |
| Fourth                                   | 13.6                                 | 16.5        | 0.0                    | 0.3         | 10.8           | 0.0                                       | 0.0   | 13.9                    | 6.3   | 10.2 | 30.4 | 218   |   |
| Richest                                  | 19.2                                 | 12.3        | 0.0                    | 0.0         | 17.0           | 1.0                                       | 0.0   | 27.6                    | 4.6   | 7.6  | 39.8 | 226   |   |

<sup>a</sup> Milk-based liquids include milk (other than breastmilk) and infant formula. Non-milk-based include plain water, sugar or glucose water, gripe water, fruit juice, tea/infusions/traditional herbal preparations, honey and "other". Note that prescribed medicine/ORS/sugar-salt solutions are not included in any category.

(\*) Figures that are based on less than 25 unweighted cases.

Note: The category of 'Missing', 'Other/no attendant/Missing', 'Other/DK/Missing', and 'DK/Missing' in the background characteristics of 'Breastfeeding status', 'Assistance at delivery', 'Place of delivery', and 'Mother's education' has been suppressed from the table due to small number of unweighted cases.

**Table TC.3.3: Breastfeeding status**

Percentage of living children according to breastfeeding status at selected age groups, Thailand, 2022

|  | Children age 0-5 months                    |  |                    | Children age 12-15 months  |                    | Children age 20-23 months   |                    |
|--|--|--|--------------------|--|--------------------|---|--------------------|
|  | Percent exclusively breastfed <sup>1</sup> | Percent predominantly breastfed <sup>2</sup> | Number of children | Percent breastfed (Continued breastfeeding at 1 year) <sup>3</sup> | Number of children | Percent breastfed (Continued breastfeeding at 2 years) <sup>4</sup> | Number of children |
| <b>Total</b>                             | <b>28.6</b>                                | <b>45.3</b>                                  | <b>620</b>         | <b>31.3</b>  | <b>682</b>         | <b>18.7</b>   | <b>788</b>         |
| <b>Sex</b>                               |  |  |                    |  |                    |   |                    |
| Male                                     | 30.9                                       | 47.8   | 391                | 20.9   | 332                | 17.3  | 405                |
| Female                                   | 24.7                                       | 41.0   | 229                | 41.2   | 349                | 20.2  | 384                |
| <b>Area</b>                              |  |  |                    |  |                    |   |                    |
| Urban                                    | 17.3                                       | 33.8   | 223                | 29.5   | 210                | 25.1  | 336                |
| Rural                                    | 34.9                                       | 51.7   | 397                | 32.1   | 472                | 14.0  | 452                |
| <b>Region</b>                            |  |  |                    |  |                    |   |                    |
| Bangkok                                  | (*)  | (*)  | 28                 | (11.7)   | 42                 | (46.9)  | 63                 |
| Central                                  | 13.6                                       | 41.0   | 217                | 38.4   | 206                | 25.3  | 176                |
| North                                    | 34.6                                       | 55.0   | 78                 | 24.2   | 123                | 9.3   | 170                |
| Northeast                                | 44.5                                       | 52.6   | 163                | 30.7   | 225                | 11.4  | 267                |
| South                                    | 31.1                                       | 41.3   | 135                | 35.7   | 85                 | 24.4  | 112                |
| <b>Mother's education</b>                |  |  |                    |  |                    |   |                    |
| Pre-primary or none                      | (*)  | (*)  | 16                 | (*)  | 34                 | (*)   | 17                 |
| Primary                                  | 24.3                                       | 50.3   | 66                 | 22.8   | 150                | 8.2   | 235                |
| Lower secondary                          | 40.7                                       | 47.5   | 118                | 45.8   | 119                | 23.6  | 159                |
| Upper secondary                          | 27.2                                       | 44.5   | 181                | 35.6   | 183                | 28.0  | 167                |
| Higher                                   | 29.0                                       | 40.2   | 219                | 28.1   | 192                | 19.7  | 212                |
| <b>Native language of household head</b> |  |  |                    |  |                    |   |                    |
| Thai                                     | 28.2                                       | 40.5   | 491                | 31.0   | 612                | 19.7  | 663                |
| Non-Thai                                 | 30.1                                       | 63.5   | 129                | 33.8   | 70                 | 13.7  | 126                |
| <b>Wealth index quintile</b>             |  |  |                    |  |                    |   |                    |
| Poorest                                  | 20.8                                       | 53.5   | 135                | 47.2   | 188                | 14.7  | 211                |
| Second                                   | 44.0                                       | 48.9   | 113                | 17.4   | 175                | 10.0  | 133                |
| Middle                                   | 20.9                                       | 47.0   | 124                | 39.5   | 149                | 24.9  | 164                |
| Fourth                                   | 37.3                                       | 50.1   | 101                | 24.3   | 73                 | 25.4  | 173                |
| Richest                                  | 24.3                                       | 30.3   | 148                | 18.3   | 97                 | 17.4  | 107                |

<sup>1</sup> MICS indicator TC.32 - Exclusive breastfeeding under 6 months

<sup>2</sup> MICS indicator TC.33 - Predominant breastfeeding under 6 months

<sup>3</sup> MICS indicator TC.34 - Continued breastfeeding at 1 year

<sup>4</sup> MICS indicator TC.35 - Continued breastfeeding at 2 years

( ) Figures that are based on 25-49 unweighted cases.

(\*) Figures that are based on less than 25 unweighted cases.

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.

**Table TC.3.4: Duration of breastfeeding**

Median duration of any breastfeeding among children age 0-35 months and median duration of exclusive breastfeeding and predominant breastfeeding among children age 0-23 months, Thailand, 2022

|  | Median duration<br>(in months) of any<br>breastfeeding <sup>1</sup> | Number of<br>children age<br>0-35 months | Median duration (in months) of: |                              | Number of<br>children age<br>0-23 months |
|--|---|--|---------------------------------|------------------------------|--|
|  |   |  | Exclusive<br>breastfeeding      | Predominant<br>breastfeeding |  |
| <b>Median</b>                            | <b>5.7</b>  | <b>5,919</b>                             | <b>0.7</b>                      | <b>2.2</b>                   | <b>3,643</b>                             |
| <b>Sex</b>                               |   |  |                                 |                              |  |
| Male                                     | 6.0   | 3,187                                    | 0.7                             | 2.4                          | 1,890                                    |
| Female                                   | 5.1   | 2,732                                    | 0.6                             | 1.8                          | 1,752                                    |
| <b>Area</b>                              |   |  |                                 |                              |  |
| Urban                                    | 8.0   | 2,335                                    | 0.6                             | 1.4                          | 1,499                                    |
| Rural                                    | 4.1   | 3,584                                    | 0.7                             | 2.6                          | 2,144                                    |
| <b>Region</b>                            |   |  |                                 |                              |  |
| Bangkok                                  | 4.6   | 463                                      | 1.5                             | 1.8                          | 295                                      |
| Central                                  | 6.1   | 1,603                                    | 0.4                             | 2.0                          | 966                                      |
| North                                    | 9.7   | 1,032                                    | 1.8                             | 2.8                          | 616                                      |
| Northeast                                | 3.7   | 1,789                                    | 2.1                             | 2.7                          | 1,107                                    |
| South                                    | 8.8   | 1,032                                    | 0.7                             | 1.6                          | 658                                      |
| <b>Mother's education</b>                |   |  |                                 |                              |  |
| Pre-primary or none                      | 9.1   | 242                                      | 1.6                             | 1.8                          | 144                                      |
| Primary                                  | 4.1   | 1,379                                    | 0.6                             | 2.5                          | 826                                      |
| Lower secondary                          | 9.3   | 1,186                                    | 2.0                             | 2.4                          | 760                                      |
| Upper secondary                          | 6.9   | 1,441                                    | 0.6                             | 2.0                          | 898                                      |
| Higher                                   | 6.2   | 1,637                                    | 0.7                             | 2.0                          | 990                                      |
| <b>Native language of household head</b> |   |  |                                 |                              |  |
| Thai                                     | 5.5   | 5,167                                    | 0.7                             | 1.9                          | 3,142                                    |
| Non-Thai                                 | 6.4   | 752                                      | 0.6                             | 3.1                          | 500                                      |
| <b>Wealth index quintile</b>             |   |  |                                 |                              |  |
| Poorest                                  | 9.5   | 1,332                                    | 0.5                             | 2.7                          | 830                                      |
| Second                                   | 8.0   | 1,249                                    | 0.6                             | 0.6                          | 820                                      |
| Middle                                   | 4.1   | 1,222                                    | 0.5                             | 2.3                          | 787                                      |
| Fourth                                   | 5.8   | 1,135                                    | 1.0                             | 2.5                          | 611                                      |
| Richest                                  | 4.0   | 980                                      | 1.6                             | 1.9                          | 594                                      |
| <b>Mean</b>                              | <b>10.4</b>   | <b>5,919</b>                             | <b>1.6</b>                      | <b>2.7</b>                   | <b>3,643</b>                             |

<sup>1</sup> MICS indicator TC.36 - Duration of breastfeeding

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.

**Table TC.3.5: Age-appropriate breastfeeding**

Percentage of children age 0-23 months who were appropriately breastfed during the previous day, Thailand, 2022

|  | Children age 0-5 months                    |                    | Children age 6-23 months  |                    | Children age 0-23 months                     |                    |
|--|--|--------------------|---|--------------------|--|--------------------|
|  | Percent exclusively breastfed <sup>1</sup> | Number of children | Percent currently breastfeeding and receiving solid, semi-solid or soft foods | Number of children | Percent appropriately breastfed <sup>2</sup> | Number of children |
| <b>Total</b>                             | <b>28.6</b>                                | <b>620</b>         | <b>28.1</b>   | <b>3,022</b>       | <b>28.2</b>                                  | <b>3,643</b>       |
| <b>Sex</b>                               |  |                    |   |                    |  |                    |
| Male                                     | 30.9                                       | 391                | 25.2  | 1,499              | 26.4   | 1,890              |
| Female                                   | 24.7                                       | 229                | 31.0  | 1,523              | 30.1   | 1,752              |
| <b>Area</b>                              |  |                    |   |                    |  |                    |
| Urban                                    | 17.3                                       | 223                | 30.5  | 1,276              | 28.5   | 1,499              |
| Rural                                    | 34.9                                       | 397                | 26.4  | 1,747              | 28.0   | 2,144              |
| <b>Region</b>                            |  |                    |   |                    |  |                    |
| Bangkok                                  | (*)  | 28                 | 29.2  | 267                | 28.7   | 295                |
| Central                                  | 13.6                                       | 217                | 33.0  | 749                | 28.7   | 966                |
| North                                    | 34.6                                       | 78                 | 25.1  | 538                | 26.3   | 616                |
| Northeast                                | 44.5                                       | 163                | 23.5  | 944                | 26.6   | 1,107              |
| South                                    | 31.1                                       | 135                | 31.9  | 524                | 31.7   | 658                |
| <b>Mother's education</b>                |  |                    |   |                    |  |                    |
| Pre-primary or none                      | (*)  | 16                 | 36.9  | 128                | 33.0   | 144                |
| Primary                                  | 24.3                                       | 66                 | 16.6  | 759                | 17.2   | 826                |
| Lower secondary                          | 40.7                                       | 118                | 37.2  | 642                | 37.7   | 760                |
| Upper secondary                          | 27.2                                       | 181                | 33.4  | 717                | 32.1   | 898                |
| Higher                                   | 29.0                                       | 219                | 25.8  | 771                | 26.5   | 990                |
| <b>Native language of household head</b> |  |                    |   |                    |  |                    |
| Thai                                     | 28.2                                       | 491                | 27.8  | 2,651              | 27.9   | 3,142              |
| Non-Thai                                 | 30.1                                       | 129                | 30.4  | 371                | 30.3   | 500                |
| <b>Wealth index quintile</b>             |  |                    |   |                    |  |                    |
| Poorest                                  | 20.8                                       | 135                | 33.9  | 696                | 31.8   | 830                |
| Second                                   | 44.0                                       | 113                | 27.3  | 707                | 29.6   | 820                |
| Middle                                   | 20.9                                       | 124                | 30.1  | 663                | 28.7   | 787                |
| Fourth                                   | 37.3                                       | 101                | 23.1  | 510                | 25.4   | 611                |
| Richest                                  | 24.3                                       | 148                | 23.1  | 446                | 23.4   | 594                |

<sup>1</sup> MICS indicator TC.32 - Exclusive breastfeeding under 6 months

<sup>2</sup> MICS indicator TC.37 - Age-appropriate breastfeeding

(\*) Figures that are based on less than 25 unweighted cases.

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.

**Table TC.3.6: Introduction of solid, semi-solid, or soft foods**

Percentage of infants age 6-8 months who received solid, semi-solid, or soft foods during the previous day, Thailand, 2022

|              | Currently breastfeeding                           |                                   | Currently not breastfeeding                       |                                   | All  |                                   |
|--------------|---|-----------------------------------|---|-----------------------------------|--|-----------------------------------|
|              | Percent receiving solid, semi-solid or soft foods | Number of children age 6-8 months | Percent receiving solid, semi-solid or soft foods | Number of children age 6-8 months | Percent receiving solid, semi-solid or soft foods <sup>1</sup> | Number of children age 6-8 months |
| <b>Total</b> | <b>84.1</b>                                       | <b>190</b>                        | <b>90.5</b>                                       | <b>250</b>                        | <b>87.7</b>  | <b>441</b>                        |
| <b>Sex</b>   |   |                                   |   |                                   |  |                                   |
| Male         | 74.0  | 98                                | 87.7  | 110                               | 81.3   | 208                               |
| Female       | 94.7  | 93                                | 92.8  | 140                               | 93.5   | 233                               |
| <b>Area</b>  |   |                                   |   |                                   |  |                                   |
| Urban        | 82.6  | 123                               | 92.5  | 115                               | 87.4   | 238                               |
| Rural        | 86.9  | 67                                | 88.9  | 135                               | 88.2   | 203                               |

<sup>1</sup> MICS indicator TC.38 - Introduction of solid, semi-solid or soft foods

| Table TC.3.7: Infant and young child feeding (IYCF) practices   |  |                                     |  |                                    |  |                                     |  |                                    |                                    |  |                                       |                                      |                                    |
|---|--|-------------------------------------|--|------------------------------------|--|-------------------------------------|--|------------------------------------|------------------------------------|--|---------------------------------------|--------------------------------------|------------------------------------|
| Percentage of children age 6-23 months who received appropriate liquids and solid, semi-solid, or soft foods the minimum number of times or more during the previous day, by breastfeeding status, Thailand, 2022 |  |                                     |  |                                    |  |                                     |  |                                    |                                    |  |                                       |                                      |                                    |
|   | Currently breastfeeding                |                                     |  |                                    | Currently not breastfeeding            |                                     |  |                                    |                                    | All                                      |                                       |                                      |                                    |
|   | Percent of children who received:      |                                     |  | Number of children age 6-23 months | Percent of children who received:      |                                     |  |                                    | Number of children age 6-23 months | Percent of children who received:        |                                       |                                      | Number of children age 6-23 months |
|   | Minimum dietary diversity <sup>A</sup> | Minimum meal frequency <sup>B</sup> | Minimum acceptable diet <sup>1,C</sup> |                                    | Minimum dietary diversity <sup>A</sup> | Minimum meal frequency <sup>B</sup> | Minimum acceptable diet <sup>2,C</sup> | At least 2 milk feeds <sup>3</sup> |                                    | Minimum dietary diversity <sup>4,A</sup> | Minimum meal frequency <sup>5,B</sup> | Minimum acceptable diet <sup>C</sup> |                                    |
| <b>Total</b>  | <b>77.3</b>                            | <b>54.1</b>                         | <b>47.8</b>                            | <b>927</b>                         | <b>76.4</b>                            | <b>93.3</b>                         | <b>73.9</b>                            | <b>92.9</b>                        | <b>2,095</b>                       | <b>76.7</b>                              | <b>81.2</b>                           | <b>65.9</b>                          | <b>3,022</b>                       |
| <b>Sex</b>  |  |                                     |  |                                    |  |                                     |  |                                    |                                    |  |                                       |                                      |                                    |
| Male  | 74.6                                   | 50.6                                | 44.1                                   | 427                                | 76.5                                   | 95.1                                | 74.2                                   | 93.9                               | 1,072                              | 75.9                                     | 82.4                                  | 65.6                                 | 1,499                              |
| Female  | 79.6                                   | 57.0                                | 50.9                                   | 500                                | 76.3                                   | 91.3                                | 73.5                                   | 92.0                               | 1,023                              | 77.4                                     | 80.0                                  | 66.1                                 | 1,523                              |
| <b>Area</b>   |  |                                     |  |                                    |  |                                     |  |                                    |                                    |  |                                       |                                      |                                    |
| Urban   | 71.3                                   | 39.7                                | 35.5                                   | 446                                | 76.0                                   | 93.4                                | 74.1                                   | 92.2                               | 830                                | 74.4                                     | 74.6                                  | 60.6                                 | 1,276                              |
| Rural   | 82.8                                   | 67.3                                | 59.1                                   | 481                                | 76.7                                   | 93.2                                | 73.7                                   | 93.4                               | 1,265                              | 78.4                                     | 86.1                                  | 69.7                                 | 1,747                              |
| <b>Region</b>   |  |                                     |  |                                    |  |                                     |  |                                    |                                    |  |                                       |                                      |                                    |
| Bangkok   | (63.4)                                 | (37.5)                              | (35.2)                                 | 90                                 | 81.3                                   | 93.4                                | 80.7                                   | 93.4                               | 177                                | 75.3                                     | 74.6                                  | 65.4                                 | 267                                |
| Central   | 88.3                                   | 60.3                                | 54.1                                   | 250                                | 77.9                                   | 92.7                                | 77.4                                   | 93.4                               | 499                                | 81.4                                     | 81.9                                  | 69.6                                 | 749                                |
| North   | 76.4                                   | 62.1                                | 52.8                                   | 138                                | 76.0                                   | 96.7                                | 70.9                                   | 93.6                               | 400                                | 76.1                                     | 87.8                                  | 66.2                                 | 538                                |
| Northeast   | 88.2                                   | 56.7                                | 51.7                                   | 232                                | 78.8                                   | 91.8                                | 75.3                                   | 91.9                               | 712                                | 81.1                                     | 83.2                                  | 69.5                                 | 944                                |
| South   | 59.3                                   | 45.7                                | 38.3                                   | 217                                | 66.1                                   | 93.0                                | 64.7                                   | 93.6                               | 306                                | 63.3                                     | 73.4                                  | 53.8                                 | 524                                |
| <b>Age (in months)</b>  |  |                                     |  |                                    |  |                                     |  |                                    |                                    |  |                                       |                                      |                                    |
| 6-8   | 50.8                                   | 54.8                                | 37.0                                   | 190                                | 54.5                                   | 86.1                                | 54.3                                   | 87.3                               | 250                                | 52.9                                     | 72.6                                  | 46.9                                 | 441                                |
| 9-11  | 74.2                                   | 41.9                                | 36.7                                   | 261                                | 71.3                                   | 97.2                                | 70.7                                   | 97.2                               | 327                                | 72.6                                     | 72.7                                  | 55.6                                 | 587                                |
| 12-17   | 91.3                                   | 66.7                                | 63.9                                   | 283                                | 83.2                                   | 94.2                                | 79.6                                   | 94.8                               | 685                                | 85.5                                     | 86.2                                  | 75.0                                 | 968                                |
| 18-23   | 87.1                                   | 51.2                                | 49.6                                   | 193                                | 79.4                                   | 93.1                                | 76.3                                   | 91.4                               | 833                                | 80.9                                     | 85.2                                  | 71.2                                 | 1,026                              |
| <b>Mother's education</b>   |  |                                     |  |                                    |  |                                     |  |                                    |                                    |  |                                       |                                      |                                    |
| Pre-primary or none   | (84.2)                                 | (79.1)                              | (70.3)                                 | 48                                 | 64.2                                   | 86.2                                | 61.3                                   | 85.2                               | 80                                 | 71.6                                     | 83.6                                  | 64.6                                 | 128                                |
| Primary   | 65.4                                   | 50.0                                | 39.1                                   | 146                                | 69.7                                   | 90.5                                | 65.4                                   | 91.2                               | 613                                | 68.9                                     | 82.7                                  | 60.4                                 | 759                                |
| Lower secondary   | 80.7                                   | 48.7                                | 41.5                                   | 241                                | 72.5                                   | 90.2                                | 68.2                                   | 87.6                               | 401                                | 75.6                                     | 74.6                                  | 58.2                                 | 642                                |
| Upper secondary   | 80.4                                   | 51.5                                | 47.9                                   | 262                                | 81.0                                   | 96.5                                | 80.1                                   | 96.6                               | 455                                | 80.8                                     | 80.0                                  | 68.3                                 | 717                                |
| Higher  | 76.3                                   | 59.9                                | 55.0                                   | 231                                | 84.7                                   | 97.0                                | 84.1                                   | 96.8                               | 540                                | 82.2                                     | 85.9                                  | 75.4                                 | 771                                |

Table TC.3.7: Infant and young child feeding (IYCF) practices (continued)

| Percentage of children age 6-23 months who received appropriate liquids and solid, semi-solid, or soft foods the minimum number of times or more during the previous day, by breastfeeding status, Thailand, 2022  |  |                                     |  |                                    |  |                                     |  |                                    |                                    |  |                                       |                                      |                                    |
|--|--|-------------------------------------|--|------------------------------------|--|-------------------------------------|--|------------------------------------|------------------------------------|--|---------------------------------------|--------------------------------------|------------------------------------|
|  | Currently breastfeeding                |                                     |  |                                    | Currently not breastfeeding            |                                     |  |                                    |                                    | All                                      |                                       |                                      |                                    |
|  | Percent of children who received:      |                                     |  | Number of children age 6-23 months | Percent of children who received:      |                                     |  | At least 2 milk feeds <sup>3</sup> | Number of children age 6-23 months | Percent of children who received:        |                                       |                                      | Number of children age 6-23 months |
|  | Minimum dietary diversity <sup>A</sup> | Minimum meal frequency <sup>B</sup> | Minimum acceptable diet <sup>1,C</sup> |                                    | Minimum dietary diversity <sup>A</sup> | Minimum meal frequency <sup>B</sup> | Minimum acceptable diet <sup>2,C</sup> |                                    |                                    | Minimum dietary diversity <sup>A,A</sup> | Minimum meal frequency <sup>5,B</sup> | Minimum acceptable diet <sup>C</sup> |                                    |
| <b>Native language of household head</b>   |  |                                     |  |                                    |  |                                     |  |                                    |                                    |  |                                       |                                      |                                    |
| Thai   | 77.6                                   | 52.2                                | 46.8                                   | 809                                | 75.8                                   | 92.9                                | 73.1                                   | 92.5                               | 1,842                              | 76.4                                     | 80.5                                  | 65.1                                 | 2,651                              |
| Non-Thai   | 75.0                                   | 67.0                                | 54.5                                   | 118                                | 80.8                                   | 95.8                                | 79.2                                   | 96.0                               | 253                                | 79.0                                     | 86.6                                  | 71.3                                 | 371                                |
| <b>Wealth index quintile</b>   |  |                                     |  |                                    |  |                                     |  |                                    |                                    |  |                                       |                                      |                                    |
| Poorest  | 82.9                                   | 60.0                                | 51.8                                   | 248                                | 76.2                                   | 94.7                                | 74.1                                   | 93.7                               | 447                                | 78.6                                     | 82.3                                  | 66.1                                 | 696                                |
| Second   | 74.6                                   | 54.1                                | 43.7                                   | 206                                | 74.4                                   | 91.2                                | 69.4                                   | 91.6                               | 501                                | 74.5                                     | 80.3                                  | 61.9                                 | 707                                |
| Middle   | 74.8                                   | 52.1                                | 50.4                                   | 224                                | 76.4                                   | 93.9                                | 76.1                                   | 94.1                               | 438                                | 75.9                                     | 79.8                                  | 67.4                                 | 663                                |
| Fourth   | 67.8                                   | 53.2                                | 46.8                                   | 137                                | 76.8                                   | 91.2                                | 72.4                                   | 89.3                               | 373                                | 74.4                                     | 81.0                                  | 65.5                                 | 510                                |
| Richest  | 86.8                                   | 45.7                                | 42.1                                   | 111                                | 79.1                                   | 95.8                                | 78.9                                   | 96.4                               | 336                                | 81.0                                     | 83.4                                  | 69.8                                 | 446                                |
| <sup>1</sup> MICS indicator TC.39a - Minimum acceptable diet (breastfed children)<br><sup>2</sup> MICS indicator TC.39b - Minimum acceptable diet (non-breastfed children)<br><sup>3</sup> MICS indicator TC.40 - Milk feeding frequency for non-breastfed children<br><sup>4</sup> MICS indicator TC.41 - Minimum dietary diversity<br><sup>5</sup> MICS indicator TC.42 - Minimum meal frequency         |  |                                     |  |                                    |  |                                     |  |                                    |                                    |  |                                       |                                      |                                    |
| <sup>A</sup> Minimum dietary diversity is defined as receiving foods from at least 5 of 8 food groups: 1) breastmilk, 2) grains, roots and tubers, 3) legumes and nuts, 4) dairy products (milk, infant formula, yogurt, cheese), 5) flesh foods (meat, fish, poultry and liver/organ meats), 6) eggs, 7) vitamin-A rich fruits and vegetables, and 8) other fruits and vegetables.                        |  |                                     |  |                                    |  |                                     |  |                                    |                                    |  |                                       |                                      |                                    |
| <sup>B</sup> Minimum meal frequency among currently breastfeeding children is defined as children who also received solid, semi-solid, or soft foods 2 times or more daily for children age 6-8 months and 3 times or more daily for children age 9-23 months. For non-breastfeeding children age 6-23 months it is defined as receiving solid, semi-solid or soft foods, or milk feeds, at least 4 times. |  |                                     |  |                                    |  |                                     |  |                                    |                                    |  |                                       |                                      |                                    |
| <sup>C</sup> The minimum acceptable diet for breastfed children age 6-23 months is defined as receiving the minimum dietary diversity and the minimum meal frequency, while it for non-breastfed children further requires at least 2 milk feedings and that the minimum dietary diversity is achieved without counting milk feeds.  |  |                                     |  |                                    |  |                                     |  |                                    |                                    |  |                                       |                                      |                                    |
| ( ) Figures that are based on 25-49 unweighted cases.  |  |                                     |  |                                    |  |                                     |  |                                    |                                    |  |                                       |                                      |                                    |
| Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.   |  |                                     |  |                                    |  |                                     |  |                                    |                                    |  |                                       |                                      |                                    |

**Table TC.3.8: Bottle feeding**

Percentage of children age 0-23 months who were fed with a bottle with a nipple during the previous day, Thailand, 2022

|  | Percentage of children age 0-23 months fed with a bottle with a nipple <sup>1</sup> | Number of children age 0-23 months |
|--|---|------------------------------------|
| <b>Total</b>                             | <b>78.6</b>   | <b>3,643</b>                       |
| <b>Sex</b>                               |   |                                    |
| Male                                     | 77.5  | 1,890                              |
| Female                                   | 79.7  | 1,752                              |
| <b>Area</b>                              |   |                                    |
| Urban                                    | 81.2  | 1,499                              |
| Rural                                    | 76.8  | 2,144                              |
| <b>Region</b>                            |   |                                    |
| Bangkok                                  | 81.8  | 295                                |
| Central                                  | 80.8  | 966                                |
| North                                    | 77.2  | 616                                |
| Northeast                                | 78.3  | 1,107                              |
| South                                    | 75.6  | 658                                |
| <b>Age (in months)</b>                   |   |                                    |
| 0-5                                      | 64.8  | 620                                |
| 6-11                                     | 82.5  | 1,028                              |
| 12-23                                    | 80.8  | 1,994                              |
| <b>Mother's education</b>                |   |                                    |
| Pre-primary or none                      | 81.6  | 144                                |
| Primary                                  | 83.3  | 826                                |
| Lower secondary                          | 73.3  | 760                                |
| Upper secondary                          | 77.6  | 898                                |
| Higher                                   | 78.5  | 990                                |
| <b>Native language of household head</b> |   |                                    |
| Thai                                     | 80.3  | 3,142                              |
| Non-Thai                                 | 67.9  | 500                                |
| <b>Wealth index quintile</b>             |   |                                    |
| Poorest                                  | 78.0  | 830                                |
| Second                                   | 77.9  | 820                                |
| Middle                                   | 78.7  | 787                                |
| Fourth                                   | 79.3  | 611                                |
| Richest                                  | 79.3  | 594                                |

<sup>1</sup> MICS indicator TC.43 - Bottle feeding

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.



## 6.4 MALNUTRITION

Children's nutritional status reflects their overall health. When children have access to an adequate food supply, are not exposed to repeated illness, and are well cared for, they reach their growth potential and are considered well-nourished.

Undernutrition is associated with nearly half of all child deaths worldwide.<sup>22</sup> Children suffering from undernutrition are more likely to die from common childhood ailments, and those who survive often suffer recurring sicknesses and faltering growth. Three-quarters of children who die from causes related to undernutrition only had mild or moderate forms of undernutrition, meaning they showed little outward sign of their vulnerability.<sup>23</sup> The Sustainable Development Goal target 2.2 is to reduce the prevalence of stunting among children under five by 40 per cent between 2012 and 2025 as well as to reduce wasting to <5 per cent and have no increase in overweight over the same period. A reduction in the prevalence of malnutrition will also contribute to the achievement of several other global goals, including the goal to end preventable newborn and child deaths.

In a well-nourished population, there is a reference distribution of height and weight for how children under 5 should grow. The reference population used in this report is based on the WHO growth standards.<sup>24</sup> Undernutrition in a population can be gauged by comparing children to this reference population. Each of the three nutritional status indicators – weight-for-age, height-for-age, and weight-for-height – can be expressed in standard deviation units (z-scores) from the median of the reference population.

*Weight-for-age* is a measure of both acute and chronic malnutrition. Children whose weight-for-age is more than two standard deviations below the median of the reference population are considered *moderately or severely underweight*, while those whose weight-for-age is more than three standard deviations below the median are classified as *severely underweight*.

*Height-for-age* is a measure of linear growth. Children whose height-for-age is more than two standard deviations below the median of the reference population are considered short for their age and are classified as *moderately or severely stunted*. Those whose height-for-age is more than three standard deviations below the median are classified as *severely stunted*. Stunting, or chronic malnutrition, is the result of failure to receive adequate nutrition in early life over an extended period and/or recurrent or chronic illness.

*Weight-for-height* can be used to assess wasting and overweight status. Children whose *weight-for-height* is more than two standard deviations below the median of the reference population are classified as *moderately or severely wasted*, while those who fall more than three standard deviations below the median are classified as *severely wasted*. Wasting is usually the result of poor nutrient intake or disease. The prevalence of wasting may shift seasonally in response to changes in the availability of food and/or disease prevalence.

Children whose weight-for-height is more than two standard deviations above the median reference population are classified as moderately or severely overweight.

In MICS, weights and heights of all children under 5 years of age were measured using the anthropometric equipment recommended by UNICEF.<sup>25</sup> Findings in this section are based on the results of these measurements in conjunction with the age in months data based on birth dates collected during the survey interview.

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<sup>22</sup> Black, R. et al. "Maternal and Child Undernutrition and Overweight in Low-income and Middle-income Countries." *The Lancet* 382, no. 9890 (2013): 427–451. doi:10.1016/S0140-6736(13)60937-x

<sup>23</sup> Black, R., et al. "Maternal and Child Undernutrition: global and regional exposures and health consequences." *The Lancet* 371, no. 9608 (2008): 243–60. doi: 10.1016/S0140-6736(07)61690-0

<sup>24</sup> WHO. *Child Growth Standards*. Technical Report, Geneva: WHO Press, 2006.

[http://www.who.int/childgrowth/standards/Technical\\_report.pdf?ua=1](http://www.who.int/childgrowth/standards/Technical_report.pdf?ua=1)

<sup>25</sup> See MICS Supply Procurement Instructions: "MICS6 TOOLS." Home - UNICEF MICS. Accessed August 23, 2018.

<http://mics.unicef.org/tools#survey-design>.

Table TC.4.1 shows percentages of children classified into each of the above described categories, based on the anthropometric measurements that were taken during fieldwork. Additionally, the table includes mean z-scores for all three anthropometric indicators.

Children whose full birth date (month and year) were not obtained, and children whose measurements were not taken due to absence from the home during interviews or other reasons, or whose measurements are outside a plausible range are excluded from Table TC.4.1. Children are excluded from one or more of the anthropometric indicators when their weights and heights have not been measured, or their age is not available, whichever applicable. For example, if a child has been weighed but his/her height has not been measured, the child is included in underweight calculations, but not in the calculations for stunting and wasting. Percentages of children by age and reasons for exclusion are shown in the data quality tables DQ.3.2, DQ.3.3, and DQ.3.4 in Appendix C. The tables show that due to incomplete dates of birth, implausible measurements, and/or missing weight and/or height, 5.7 percent of children have been excluded from calculations of the weight-for-age indicator, 7.3 percent from the height-for-age indicator, and 9.5 percent for the weight-for-height indicator.

Table DQ.1.3 (Appendix C) presents percentage of eligible children under age 5 with completed interviews. The completion rate for the Questionnaire for Children under Five is 98.4 percent and the ratio of children age 5 to 4 is 1.09. Table DQ.2.4 (Appendix C) shows that completeness of reporting for children under 5 of both year and month of birth is 99.8 percent. Heaping in anthropometric measurements is shown in Table DQ.3.5 (Appendix C)

| Table TC.4.1: Nutritional status of children  |                                   |                                   |                   |   |                                   |                                   |                   |   |                                   |                                   |                                   |                                   |  |                   |
|---|-----------------------------------|-----------------------------------|-------------------|---|-----------------------------------|-----------------------------------|-------------------|---|-----------------------------------|-----------------------------------|-----------------------------------|-----------------------------------|--|-------------------|
| Percentage of children under age 5 by nutritional status according to three anthropometric indices: weight for age, height for age, and weight for height, Thailand, 2022 |                                   |                                   |                   |   |                                   |                                   |                   |   |                                   |                                   |                                   |                                   |  |                   |
|   | Weight for age                    |                                   |                   | Number of children with weight and age <sup>A</sup> | Height for age                    |                                   |                   | Number of children with height and age <sup>A</sup> | Weight for height                 |                                   |                                   |                                   | Number of children with weight and height <sup>A</sup> |                   |
|   | Underweight                       |                                   | Mean Z-Score (SD) |   | Stunted                           |                                   | Mean Z-Score (SD) |   | Wasted                            |                                   | Overweight                        |                                   |  | Mean Z-Score (SD) |
|   | Percent below - 2 SD <sup>1</sup> | Percent below - 3 SD <sup>2</sup> |                   |   | Percent below - 2 SD <sup>3</sup> | Percent below - 3 SD <sup>4</sup> |                   |   | Percent below - 2 SD <sup>5</sup> | Percent below - 3 SD <sup>6</sup> | Percent above + 2 SD <sup>7</sup> | Percent above + 3 SD <sup>8</sup> |  |                   |
| <b>Total</b>  | <b>6.7</b>                        | <b>1.8</b>                        | <b>-0.1</b>       | <b>9,907</b>  | <b>12.5</b>                       | <b>4.9</b>                        | <b>-0.4</b>       | <b>9,735</b>  | <b>7.2</b>                        | <b>2.5</b>                        | <b>10.9</b>                       | <b>5.2</b>                        | <b>0.1</b>   | <b>9,504</b>      |
| <b>Sex</b>  |                                   |                                   |                   |   |                                   |                                   |                   |   |                                   |                                   |                                   |                                   |  |                   |
| Male  | 7.3                               | 2.4                               | -0.2              | 5,325   | 12.7                              | 4.8                               | -0.4              | 5,274   | 7.8                               | 3.0                               | 10.5                              | 5.3                               | 0.1  | 5,115             |
| Female  | 6.0                               | 1.2                               | -0.1              | 4,582   | 12.2                              | 5.2                               | -0.5              | 4,461   | 6.5                               | 1.9                               | 11.3                              | 5.0                               | 0.1  | 4,388             |
| <b>Area</b>   |                                   |                                   |                   |   |                                   |                                   |                   |   |                                   |                                   |                                   |                                   |  |                   |
| Urban   | 6.4                               | 2.5                               | -0.1              | 3,869   | 12.3                              | 4.6                               | -0.4              | 3,783   | 8.1                               | 2.8                               | 11.0                              | 5.2                               | 0.1  | 3,678             |
| Rural   | 6.8                               | 1.4                               | -0.2              | 6,038   | 12.6                              | 5.2                               | -0.4              | 5,952   | 6.6                               | 2.3                               | 10.8                              | 5.2                               | 0.1  | 5,825             |
| <b>Region</b>   |                                   |                                   |                   |   |                                   |                                   |                   |   |                                   |                                   |                                   |                                   |  |                   |
| Bangkok   | 11.7                              | 5.5                               | 0.0               | 650   | 12.1                              | 7.2                               | -0.5              | 609   | 10.8                              | 5.7                               | 15.1                              | 6.3                               | 0.2  | 595               |
| Central   | 5.3                               | 1.8                               | -0.1              | 2,590   | 10.1                              | 3.6                               | -0.3              | 2,518   | 6.7                               | 2.6                               | 9.5                               | 5.5                               | 0.1  | 2,436             |
| North   | 5.9                               | 1.5                               | -0.2              | 1,768   | 14.7                              | 5.2                               | -0.6              | 1,751   | 5.8                               | 2.1                               | 12.2                              | 5.3                               | 0.2  | 1,711             |
| Northeast   | 6.0                               | 1.3                               | -0.1              | 3,202   | 13.1                              | 5.6                               | -0.5              | 3,187   | 5.9                               | 2.0                               | 12.1                              | 6.1                               | 0.2  | 3,135             |
| South   | 9.2                               | 1.9                               | -0.4              | 1,697   | 12.6                              | 4.6                               | -0.5              | 1,670   | 10.6                              | 2.6                               | 7.7                               | 2.3                               | -0.2   | 1,626             |
| <b>Age (in months)</b>  |                                   |                                   |                   |   |                                   |                                   |                   |   |                                   |                                   |                                   |                                   |  |                   |
| 0-5   | 8.6                               | 5.4                               | -0.6              | 566   | 17.7                              | 8.9                               | -0.3              | 550   | 11.1                              | 2.9                               | 10.1                              | 1.9                               | -0.3   | 518               |
| 6-11  | 7.9                               | 2.1                               | -0.3              | 965   | 14.5                              | 8.4                               | -0.4              | 906   | 7.8                               | 2.1                               | 8.5                               | 3.0                               | -0.1   | 911               |
| 12-17   | 8.3                               | 1.4                               | -0.3              | 922   | 23.3                              | 8.8                               | -0.9              | 878   | 6.3                               | 3.5                               | 11.6                              | 4.8                               | 0.1  | 876               |
| 18-23   | 7.3                               | 2.8                               | -0.2              | 989   | 16.7                              | 6.4                               | -0.6              | 957   | 7.4                               | 4.3                               | 6.9                               | 3.0                               | 0.1  | 954               |
| 24-35   | 6.6                               | 1.1                               | 0.0               | 2,179   | 10.6                              | 4.4                               | -0.4              | 2,159   | 7.1                               | 1.6                               | 12.5                              | 6.6                               | 0.2  | 2,088             |
| 36-47   | 5.2                               | 1.7                               | -0.1              | 2,130   | 8.7                               | 3.0                               | -0.4              | 2,122   | 6.3                               | 2.8                               | 10.7                              | 5.7                               | 0.1  | 2,073             |
| 48-59   | 6.2                               | 1.4                               | -0.1              | 2,156   | 9.5                               | 2.6                               | -0.3              | 2,163   | 7.2                               | 2.0                               | 12.3                              | 6.1                               | 0.1  | 2,084             |
| <b>Mother's education</b>   |                                   |                                   |                   |   |                                   |                                   |                   |   |                                   |                                   |                                   |                                   |  |                   |
| Pre-primary or none   | 11.8                              | 6.0                               | -0.4              | 435   | 13.5                              | 4.2                               | -0.4              | 436   | 8.4                               | 6.0                               | 6.9                               | 3.7                               | -0.2   | 417               |
| Primary   | 7.2                               | 1.7                               | -0.2              | 2,627   | 13.0                              | 6.4                               | -0.6              | 2,594   | 7.3                               | 2.6                               | 11.4                              | 5.2                               | 0.1  | 2,538             |
| Lower secondary   | 6.9                               | 1.9                               | -0.2              | 1,924   | 15.0                              | 6.2                               | -0.5              | 1,897   | 8.4                               | 2.9                               | 13.1                              | 7.6                               | 0.1  | 1,874             |
| Upper secondary   | 6.2                               | 1.6                               | -0.2              | 2,240   | 12.0                              | 4.8                               | -0.5              | 2,215   | 6.2                               | 1.9                               | 9.0                               | 4.4                               | 0.1  | 2,173             |
| Higher  | 5.8                               | 1.4                               | 0.0               | 2,649   | 10.3                              | 2.9                               | -0.2              | 2,560   | 6.9                               | 2.1                               | 11.1                              | 4.2                               | 0.2  | 2,468             |

**Table TC.4.1: Nutritional status of children (continued)**

Percentage of children under age 5 by nutritional status according to three anthropometric indices: weight for age, height for age, and weight for height, Thailand, 2022

|  | Weight for age                    |                     |                   | Number of children with weight and age <sup>A</sup> | Height for age                    |                     |                   | Number of children with height and age <sup>A</sup> | Weight for height                 |                     |                                   |                     | Number of children with weight and height <sup>A</sup> |                   |
|--|-----------------------------------|---------------------|-------------------|---|-----------------------------------|---------------------|-------------------|---|-----------------------------------|---------------------|-----------------------------------|---------------------|--|-------------------|
|  | Underweight                       |                     | Mean Z-Score (SD) |   | Stunted                           |                     | Mean Z-Score (SD) |   | Wasted                            |                     | Overweight                        |                     |  | Mean Z-Score (SD) |
|  | Percent below - 2 SD <sup>1</sup> | - 3 SD <sup>2</sup> |                   |   | Percent below - 2 SD <sup>3</sup> | - 3 SD <sup>4</sup> |                   |   | Percent below - 2 SD <sup>5</sup> | - 3 SD <sup>6</sup> | Percent above + 2 SD <sup>7</sup> | + 3 SD <sup>8</sup> |  |                   |
| <b>Mother's age at birth</b>             |                                   |                     |                   |   |                                   |                     |                   |   |                                   |                     |                                   |                     |  |                   |
| Less than 20                             | 7.0                               | 2.4                 | -0.3              | 856   | 16.1                              | 7.3                 | -0.8              | 837   | 6.3                               | 2.3                 | 11.9                              | 6.8                 | 0.1  | 832               |
| 20-34                                    | 7.1                               | 2.2                 | -0.2              | 5,363   | 13.1                              | 4.9                 | -0.4              | 5,254   | 7.6                               | 2.8                 | 10.2                              | 4.8                 | 0.0  | 5,102             |
| 35-49                                    | 6.9                               | 1.3                 | -0.2              | 2,314   | 11.8                              | 4.8                 | -0.5              | 2,274   | 7.1                               | 2.5                 | 10.9                              | 5.4                 | 0.1  | 2,238             |
| No information on biological mother      | 4.6                               | 1.2                 | 0.1               | 1,375   | 8.9                               | 4.0                 | -0.3              | 1,370   | 6.2                               | 1.4                 | 12.8                              | 5.4                 | 0.2  | 1,332             |
| <b>Native language of household head</b> |                                   |                     |                   |   |                                   |                     |                   |   |                                   |                     |                                   |                     |  |                   |
| Thai                                     | 6.0                               | 1.7                 | -0.1              | 8,789   | 12.1                              | 4.9                 | -0.4              | 8,642   | 7.1                               | 2.5                 | 11.5                              | 5.5                 | 0.1  | 8,416             |
| Non-Thai                                 | 11.8                              | 2.6                 | -0.6              | 1,118   | 15.6                              | 5.4                 | -0.7              | 1,093   | 8.0                               | 2.7                 | 6.3                               | 2.7                 | -0.3   | 1,088             |
| <b>Wealth index quintile</b>             |                                   |                     |                   |   |                                   |                     |                   |   |                                   |                     |                                   |                     |  |                   |
| Poorest                                  | 9.9                               | 2.9                 | -0.3              | 2,300   | 13.7                              | 5.5                 | -0.6              | 2,274   | 8.3                               | 3.5                 | 10.8                              | 6.2                 | 0.0  | 2,222             |
| Second                                   | 7.7                               | 1.5                 | -0.3              | 2,112   | 13.3                              | 5.4                 | -0.5              | 2,085   | 7.1                               | 2.0                 | 9.2                               | 3.8                 | 0.0  | 2,064             |
| Middle                                   | 5.0                               | 1.4                 | -0.1              | 2,027   | 11.6                              | 4.8                 | -0.4              | 2,001   | 7.7                               | 2.7                 | 10.0                              | 4.0                 | 0.1  | 1,950             |
| Fourth                                   | 4.8                               | 2.0                 | 0.0               | 1,903   | 11.6                              | 5.3                 | -0.4              | 1,856   | 6.7                               | 2.5                 | 12.7                              | 6.2                 | 0.2  | 1,787             |
| Richest                                  | 5.1                               | 1.1                 | 0.0               | 1,565   | 11.8                              | 3.2                 | -0.3              | 1,519   | 5.7                               | 1.4                 | 12.3                              | 6.0                 | 0.3  | 1,481             |

<sup>1</sup> MICS indicator TC.44a - Underweight prevalence (moderate and severe)

<sup>2</sup> MICS indicator TC.44b - Underweight prevalence (severe)

<sup>3</sup> MICS indicator TC.45a - Stunting prevalence (moderate and severe); SDG indicator 2.2.1

<sup>4</sup> MICS indicator TC.45b - Stunting prevalence (severe)

<sup>5</sup> MICS indicator TC.46a - Wasting prevalence (moderate and severe); SDG indicator 2.2.2

<sup>6</sup> MICS indicator TC.46b - Wasting prevalence (severe)

<sup>7</sup> MICS indicator TC.47a - Overweight prevalence (moderate and severe); SDG indicator 2.2.2

<sup>8</sup> MICS indicator TC.47b - Overweight prevalence (severe)

<sup>A</sup> Denominators for weight for age, height for age, and weight for height may be different. Children are excluded from one or more of the anthropometric indicators when their weights and heights have not been measured or are implausible (flagged), or their age is not available, whichever applicable. See Appendix C: Data quality, Tables DQ.3.2-3.4.

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.

## 6.5 EARLY CHILDHOOD HOME ENVIRONMENT

It is well recognized that a period of rapid brain development occurs in the first years of life, and the quality of children's home environment and their interactions with caregivers is a major determinant of their development during this period.<sup>26</sup> Children's early experiences with responsive caregiving serves an important neurological function and these interactions can boost cognitive, physical, social and emotional development.<sup>27</sup> In this context, engagement of adults in activities with children, presence of books and playthings in the home for the child, and the conditions of care are important indicators.

Information on a number of activities that provide children with early stimulation and responsive care was collected in the survey and presented in Table TC.5.1. These included the involvement of adults members of the household with children in the following activities: reading books or looking at picture books, telling stories, singing songs, taking children outside the home, compound or yard, playing with children, and spending time with children naming, counting, or drawing things. It should be noted that the questionnaire module did not cover activities that children engage in with adults that are not members of the household, even if such frequently or even daily are taking care of the children.

Early exposure to books can be an important component of a child's development and will provide a solid foundation for the expansion of reading skills and later school performance. Having books at home provides children with greater understanding of the printed word alongside opportunities to watch others read, such as older siblings doing school-work. Further, adults reading together with young children is an important way to connect with each other and making learning easier. The mothers/caretakers of all children under 5 were asked about the number of children's books or picture books they have for the child, and the types of playthings that are available at home. The findings are presented in Table TC.5.2. The questionnaire also included a country-specific question on the use of electronic devices as a type of plaything. The percentage of children who play with electronic devices and the average playtime with electronic devices are presented in Table TC.5.3.

Some research has found that leaving children without adequate supervision is a risk factor for unintentional injuries.<sup>28</sup> In MICS, two questions were asked to find out whether children age 0-59 months were left alone during the week preceding the interview, and whether children were left in the care of other children under 10 years of age. This is presented in Table TC.5.4.

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<sup>26</sup> Black, M. et al. "Early Childhood Development Coming of Age: Science through the Life Course." *The Lancet* 389, no. 10064 (2016): 77-90. doi:10.1016/s0140-6736(16)31389-7; Shonkoff J. et al. "The Lifelong Effects of Early Childhood Adversity and Toxic Stress." *Pediatrics* 129, no. 1 (2011): 232-46. doi:10.1542/peds.2011-2663.

<sup>27</sup> Britto, P. et al. "Nurturing Care: Promoting early childhood development." *The Lancet* 389, no. 10064 (2017): 91-102. doi: 10.1016/S0140-6736(16)31390-3; Milteer R. et al. "The Importance of Play in Promoting Healthy Child Development and Maintaining Strong Parent-Child Bond: Focus on children in poverty" *American Academy of Pediatrics* 1129, no. 1 (2012): 183-191. doi: 10.1542/peds.2011-2953.

<sup>28</sup> Howe, L., S. Huttly and T. Abramsky. "Risk Factors for Injuries in Young Children in Four Developing Countries: The Young Lives Study." *Tropical Medicine and International Health* 11, no. 10 (2006): 1557-1566. doi: 10.1111/j.1365-3156.2006.01708.x.; Morrongiello, B. et al. "Understanding Unintentional Injury Risk in Young Children II. The Contribution of Caregiver Supervision, Child Attributes, and Parent Attributes." *Journal of Pediatric Psychology* 31, no. 6 (2006): 540-551. doi: 10.1093/jpepsy/jsj073.

**Table TC.5.1: Support for learning**

Percentage of children age 2-4 years with whom adult household members engaged in activities that promote learning and school readiness during the last three days, and engagement in such activities by fathers and mothers, Thailand, 2022

|                           | Adult household members   |  |   | Percentage of children living with their: |             | Father  |  | Mother  |  |                                  |
|---------------------------|---|--|---|---|-------------|---|--|---|--|----------------------------------|
|                           | Percentage of children with whom adult household members have engaged in four or more activities <sup>1</sup> | Mean number of activities with adult household members | Percentage of children with whom no adult household member have engaged in any activity | Father                                    | Mother      | Percentage of children with whom fathers have engaged in four or more activities <sup>2</sup> | Mean number of activities with fathers | Percentage of children with whom mothers have engaged in four or more activities <sup>3</sup> | Mean number of activities with mothers | Number of children age 2-4 years |
| <b>Total</b>              | <b>87.9</b>   | <b>5.2</b>   | <b>0.7</b>  | <b>58.3</b>                               | <b>73.9</b> | <b>30.7</b>   | <b>2.2</b>                             | <b>63.9</b>   | <b>3.8</b>                             | <b>6,859</b>                     |
| <b>Sex</b>                |   |  |   |   |             |   |  |   |  |                                  |
| Male                      | 87.9  | 5.2  | 0.5   | 60.4                                      | 74.7        | 31.8  | 2.3                                    | 64.2  | 3.8                                    | 3,750                            |
| Female                    | 87.8  | 5.2  | 0.9   | 55.8                                      | 72.9        | 29.4  | 2.1                                    | 63.5  | 3.8                                    | 3,109                            |
| <b>Area</b>               |   |  |   |   |             |   |  |   |  |                                  |
| Urban                     | 92.1  | 5.4  | 0.2   | 66.1                                      | 78.3        | 38.2  | 2.6                                    | 70.3  | 4.1                                    | 2,774                            |
| Rural                     | 85.0  | 5.1  | 1.0   | 53.1                                      | 71.0        | 25.7  | 1.9                                    | 59.5  | 3.6                                    | 4,085                            |
| <b>Region</b>             |   |  |   |   |             |   |  |   |  |                                  |
| Bangkok                   | 96.9  | 5.6  | 0.0   | 75.4                                      | 80.3        | 45.3  | 3.0                                    | 72.9  | 4.3                                    | 535                              |
| Central                   | 89.2  | 5.3  | 0.3   | 67.3                                      | 81.9        | 36.6  | 2.6                                    | 68.6  | 4.2                                    | 1,817                            |
| North                     | 84.9  | 5.0  | 0.8   | 55.4                                      | 72.8        | 28.4  | 2.0                                    | 61.5  | 3.6                                    | 1,216                            |
| Northeast                 | 85.2  | 5.1  | 1.0   | 39.3                                      | 58.9        | 20.0  | 1.5                                    | 51.9  | 3.0                                    | 2,152                            |
| South                     | 90.0  | 5.3  | 0.8   | 75.3                                      | 87.8        | 37.3  | 2.7                                    | 77.2  | 4.6                                    | 1,139                            |
| <b>Age</b>                |   |  |   |   |             |   |  |   |  |                                  |
| 2                         | 88.8  | 5.3  | 1.4   | 61.5                                      | 77.2        | 31.8  | 2.3                                    | 67.2  | 4.0                                    | 2,276                            |
| 3                         | 86.7  | 5.2  | 0.3   | 58.8                                      | 72.9        | 31.1  | 2.2                                    | 62.1  | 3.7                                    | 2,285                            |
| 4                         | 88.1  | 5.2  | 0.4   | 54.8                                      | 71.7        | 29.3  | 2.0                                    | 62.3  | 3.6                                    | 2,298                            |
| <b>Mother's education</b> |   |  |   |   |             |   |  |   |  |                                  |
| Pre-primary or none       | 75.4  | 4.3  | 2.9   | 52.5                                      | 57.2        | 13.2  | 1.4                                    | 44.4  | 2.5                                    | 317                              |
| Primary                   | 80.8  | 4.9  | 1.2   | 31.5                                      | 34.1        | 12.0  | 1.0                                    | 28.6  | 1.7                                    | 1,904                            |
| Lower secondary           | 85.4  | 5.1  | 0.5   | 68.8                                      | 86.9        | 29.4  | 2.3                                    | 68.0  | 4.2                                    | 1,280                            |
| Upper secondary           | 91.1  | 5.4  | 0.0   | 67.2                                      | 89.3        | 37.3  | 2.6                                    | 78.4  | 4.6                                    | 1,499                            |
| Higher                    | 96.5  | 5.6  | 0.4   | 72.4                                      | 96.2        | 48.6  | 3.1                                    | 88.7  | 5.2                                    | 1,851                            |

**Table TC.5.1: Support for learning (continued)**

Percentage of children age 2-4 years with whom adult household members engaged in activities that promote learning and school readiness during the last three days, and engagement in such activities by fathers and mothers, Thailand, 2022

|  | Adult household members   |  |   | Percentage of children living with their: |        | Father  |  | Mother  |  |                                  |
|--|---|--|---|---|--------|---|--|---|--|----------------------------------|
|  | Percentage of children with whom adult household members have engaged in four or more activities <sup>1</sup> | Mean number of activities with adult household members | Percentage of children with whom no adult household member have engaged in any activity | Father                                    | Mother | Percentage of children with whom fathers have engaged in four or more activities <sup>2</sup> | Mean number of activities with fathers | Percentage of children with whom mothers have engaged in four or more activities <sup>3</sup> | Mean number of activities with mothers | Number of children age 2-4 years |
| <b>Father's education</b>                |   |  |   |   |        |   |  |   |  |                                  |
| Pre-primary or none                      | 93.7  | 4.9  | 0.0   | 100.0                                     | 99.1   | 26.5  | 2.3                                    | 88.8  | 4.8                                    | 127                              |
| Primary                                  | 86.7  | 5.2  | 1.1   | 100.0                                     | 93.4   | 34.3  | 3.0                                    | 77.9  | 4.6                                    | 773                              |
| Lower secondary                          | 89.5  | 5.3  | 0.3   | 100.0                                     | 92.7   | 50.7  | 3.6                                    | 78.9  | 4.7                                    | 1,039                            |
| Upper secondary                          | 92.3  | 5.4  | 0.0   | 100.0                                     | 94.5   | 55.3  | 3.9                                    | 81.4  | 4.9                                    | 969                              |
| Higher                                   | 95.9  | 5.6  | 0.5   | 100.0                                     | 95.9   | 67.0  | 4.3                                    | 87.1  | 5.2                                    | 1,084                            |
| Biological father not in the household   | 82.8  | 5.0  | 1.0   | 0.0                                       | 45.3   | 0.6   | 0.1                                    | 38.6  | 2.3                                    | 2,857                            |
| <b>Native language of household head</b> |   |  |   |   |        |   |  |   |  |                                  |
| Thai                                     | 87.8  | 5.2  | 0.6   | 57.3                                      | 72.8   | 30.7  | 2.2                                    | 62.8  | 3.7                                    | 6,188                            |
| Non-Thai                                 | 88.9  | 5.2  | 1.3   | 68.0                                      | 84.5   | 31.4  | 2.3                                    | 73.8  | 4.3                                    | 671                              |
| <b>Wealth index quintile</b>             |   |  |   |   |        |   |  |   |  |                                  |
| Poorest                                  | 78.2  | 4.7  | 0.9   | 47.1                                      | 61.5   | 16.1  | 1.5                                    | 46.9  | 2.9                                    | 1,531                            |
| Second                                   | 85.1  | 5.1  | 1.1   | 52.4                                      | 67.3   | 19.4  | 1.6                                    | 56.1  | 3.3                                    | 1,416                            |
| Middle                                   | 88.8  | 5.2  | 0.3   | 56.1                                      | 75.0   | 28.7  | 2.0                                    | 64.2  | 3.8                                    | 1,353                            |
| Fourth                                   | 93.9  | 5.5  | 0.3   | 65.6                                      | 80.6   | 44.0  | 2.8                                    | 74.8  | 4.4                                    | 1,425                            |
| Richest                                  | 95.8  | 5.6  | 0.8   | 74.6                                      | 89.5   | 50.5  | 3.2                                    | 82.1  | 4.9                                    | 1,134                            |

<sup>1</sup> MICS indicator TC.49a - Early stimulation and responsive care by any adult household member

<sup>2</sup> MICS Indicator TC.49b - Early stimulation and responsive care by father

<sup>3</sup> MICS Indicator TC.49c - Early stimulation and responsive care by mother

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' and 'Father's education' has been suppressed from the table due to small number of unweighted cases.

**Table TC.5.2: Learning materials**

Percentage of children under age 5 by the number of children's books present in the household, and by the type and number of playthings that child plays with, Thailand, 2022

|  | Percentage of children living in households that have for the child: |                             | Percentage of children who play with: |                                    |   |  | Number of children |
|--|--|-----------------------------|---------------------------------------|------------------------------------|---|--|--------------------|
|  | 3 or more children's books <sup>1</sup>                              | 10 or more children's books | Homemade toys                         | Toys from a shop/manufactured toys | Household objects/objects found outside | Two or more types of playthings <sup>2</sup> |                    |
| <b>Total</b>                             | <b>35.9</b>  | <b>9.7</b>                  | <b>62.4</b>                           | <b>92.4</b>                        | <b>76.3</b>                             | <b>84.6</b>                                  | <b>10,502</b>      |
| <b>Sex</b>                               |  |                             |                                       |                                    |   |  |                    |
| Male                                     | 34.4   | 9.5                         | 62.4                                  | 92.1                               | 76.5                                    | 84.3   | 5,640              |
| Female                                   | 37.7   | 10.1                        | 62.5                                  | 92.9                               | 76.1                                    | 85.0   | 4,862              |
| <b>Area</b>                              |  |                             |                                       |                                    |   |  |                    |
| Urban                                    | 42.2   | 13.1                        | 64.1                                  | 93.3                               | 76.6                                    | 85.0   | 4,273              |
| Rural                                    | 31.6   | 7.4                         | 61.3                                  | 91.9                               | 76.1                                    | 84.4   | 6,229              |
| <b>Region</b>                            |  |                             |                                       |                                    |   |  |                    |
| Bangkok                                  | 49.0   | 22.5                        | 62.5                                  | 91.4                               | 77.7                                    | 82.8   | 830                |
| Central                                  | 38.9   | 9.3                         | 66.3                                  | 91.1                               | 75.4                                    | 84.2   | 2,783              |
| North                                    | 38.2   | 10.2                        | 61.7                                  | 94.7                               | 79.1                                    | 85.3   | 1,832              |
| Northeast                                | 33.0   | 7.2                         | 61.8                                  | 92.4                               | 74.5                                    | 84.5   | 3,259              |
| South                                    | 28.0   | 8.6                         | 58.4                                  | 92.7                               | 77.5                                    | 85.8   | 1,797              |
| <b>Age</b>                               |  |                             |                                       |                                    |   |  |                    |
| 0-1                                      | 17.7   | 5.5                         | 48.0                                  | 81.2                               | 57.3                                    | 68.8   | 3,643              |
| 2-4                                      | 45.5   | 12.0                        | 70.1                                  | 98.4                               | 86.4                                    | 93.0   | 6,859              |
| <b>Mother's education</b>                |  |                             |                                       |                                    |   |  |                    |
| Pre-primary or none                      | 12.5   | 0.8                         | 51.1                                  | 87.1                               | 69.5                                    | 78.5   | 461                |
| Primary                                  | 27.8   | 2.3                         | 64.0                                  | 94.9                               | 79.7                                    | 88.0   | 2,729              |
| Lower secondary                          | 29.1   | 4.7                         | 64.2                                  | 92.3                               | 75.2                                    | 82.6   | 2,039              |
| Upper secondary                          | 34.8   | 7.7                         | 60.0                                  | 90.7                               | 76.0                                    | 85.1   | 2,397              |
| Higher                                   | 53.6   | 23.8                        | 63.8                                  | 93.1                               | 75.7                                    | 84.0   | 2,842              |
| <b>Native language of household head</b> |  |                             |                                       |                                    |   |  |                    |
| Thai                                     | 38.4   | 10.6                        | 63.6                                  | 92.8                               | 76.6                                    | 84.9   | 9,331              |
| Non-Thai                                 | 15.7   | 3.0                         | 52.8                                  | 89.5                               | 74.1                                    | 82.1   | 1,171              |
| <b>Wealth index quintile</b>             |  |                             |                                       |                                    |   |  |                    |
| Poorest                                  | 18.7   | 1.9                         | 60.9                                  | 91.9                               | 78.5                                    | 86.5   | 2,362              |
| Second                                   | 24.8   | 3.4                         | 60.5                                  | 91.1                               | 76.5                                    | 84.7   | 2,236              |
| Middle                                   | 33.8   | 7.1                         | 61.3                                  | 92.0                               | 78.9                                    | 85.0   | 2,140              |
| Fourth                                   | 50.3   | 14.1                        | 65.6                                  | 94.1                               | 76.6                                    | 85.5   | 2,036              |
| Richest                                  | 59.3   | 26.8                        | 64.8                                  | 93.4                               | 69.5                                    | 80.5   | 1,729              |

<sup>1</sup> MICS indicator TC.50 - Availability of children's books

<sup>2</sup> MICS indicator TC.51 - Availability of playthings

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.



**Table TC.5.3: Electronic device as playthings**

Percentage of children under age 5 who play with electronic devices by average hours per day, Thailand, 2022

|  | Percentage of children who play with electronic devices <sup>1</sup> | Number of children | Playtime with electronic devices (hrs.) |             |             |            |            | DK/ Missing | Percent playing with electronic devices on average for three hours or more per day <sup>2</sup> | Number of children playing with electronic devices |
|--|--|--------------------|---|-------------|-------------|------------|------------|-------------|---|--|
|  |  |                    | < 1                                     | 1-2         | 3-4         | ≥ 5        |            |             |   |  |
| <b>Total</b>                             | <b>61.9</b>  | <b>10,502</b>      | <b>31.7</b>                             | <b>54.9</b> | <b>11.0</b> | <b>2.0</b> | <b>0.4</b> | <b>13.0</b> | <b>6,496</b>  |  |
| <b>Sex</b>                               |  |                    |   |             |             |            |            |             |   |  |
| Male                                     | 61.1   | 5,640              | 29.0                                    | 57.7        | 11.2        | 1.7        | 0.4        | 12.9        | 3,447   |  |
| Female                                   | 62.7   | 4,862              | 34.8                                    | 51.8        | 10.7        | 2.3        | 0.4        | 13.0        | 3,049   |  |
| <b>Area</b>                              |  |                    |   |             |             |            |            |             |   |  |
| Urban                                    | 63.3   | 4,273              | 35.0                                    | 53.3        | 10.2        | 1.1        | 0.4        | 11.4        | 2,707   |  |
| Rural                                    | 60.8   | 6,229              | 29.5                                    | 56.1        | 11.5        | 2.6        | 0.4        | 14.1        | 3,790   |  |
| <b>Region</b>                            |  |                    |   |             |             |            |            |             |   |  |
| Bangkok                                  | 62.8   | 830                | 38.2                                    | 46.4        | 13.2        | 2.0        | 0.2        | 15.2        | 521   |  |
| Central                                  | 58.4   | 2,783              | 26.0                                    | 62.1        | 9.3         | 2.2        | 0.4        | 11.5        | 1,625   |  |
| North                                    | 65.3   | 1,832              | 33.9                                    | 53.9        | 9.6         | 2.1        | 0.5        | 11.7        | 1,196   |  |
| Northeast                                | 63.4   | 3,259              | 33.4                                    | 53.0        | 11.4        | 1.9        | 0.4        | 13.3        | 2,068   |  |
| South                                    | 60.4   | 1,797              | 31.8                                    | 53.1        | 13.2        | 1.7        | 0.1        | 15.0        | 1,086   |  |
| <b>Age</b>                               |  |                    |   |             |             |            |            |             |   |  |
| 0-1                                      | 27.0   | 3,643              | 55.9                                    | 39.5        | 3.6         | 0.8        | 0.2        | 4.4         | 985   |  |
| 2-4                                      | 80.4   | 6,859              | 27.4                                    | 57.7        | 12.3        | 2.2        | 0.4        | 14.5        | 5,512   |  |
| <b>Mother's education</b>                |  |                    |   |             |             |            |            |             |   |  |
| Pre-primary or none                      | 47.1   | 461                | 33.7                                    | 54.1        | 9.5         | 0.4        | 2.3        | 9.9         | 217   |  |
| Primary                                  | 64.1   | 2,729              | 32.5                                    | 53.8        | 10.6        | 2.7        | 0.4        | 13.3        | 1,750   |  |
| Lower secondary                          | 61.1   | 2,039              | 31.2                                    | 53.0        | 12.2        | 3.4        | 0.2        | 15.7        | 1,245   |  |
| Upper secondary                          | 61.2   | 2,397              | 31.5                                    | 55.1        | 11.4        | 1.6        | 0.4        | 13.0        | 1,467   |  |
| Higher                                   | 63.5   | 2,842              | 31.6                                    | 57.0        | 10.3        | 0.8        | 0.3        | 11.1        | 1,805   |  |
| <b>Native language of household head</b> |  |                    |   |             |             |            |            |             |   |  |
| Thai                                     | 62.6   | 9,331              | 31.0                                    | 54.9        | 11.7        | 2.1        | 0.4        | 13.8        | 5,843   |  |
| Non-Thai                                 | 55.8   | 1,171              | 38.6                                    | 55.4        | 4.6         | 0.9        | 0.4        | 5.5         | 653   |  |
| <b>Wealth index quintile</b>             |  |                    |   |             |             |            |            |             |   |  |
| Poorest                                  | 59.5   | 2,362              | 32.5                                    | 50.7        | 12.4        | 3.5        | 0.9        | 15.9        | 1,405   |  |
| Second                                   | 59.4   | 2,236              | 32.1                                    | 54.1        | 12.6        | 1.2        | 0.0        | 13.7        | 1,328   |  |
| Middle                                   | 62.1   | 2,140              | 28.6                                    | 58.0        | 10.6        | 2.5        | 0.3        | 13.1        | 1,330   |  |
| Fourth                                   | 68.0   | 2,036              | 28.4                                    | 60.9        | 8.9         | 1.5        | 0.2        | 10.4        | 1,384   |  |
| Richest                                  | 60.8   | 1,729              | 38.6                                    | 49.8        | 10.1        | 1.1        | 0.3        | 11.2        | 1,051   |  |

<sup>1</sup> TH indicator TC.S3 - Availability of electronic device as playthings

<sup>2</sup> TH indicator TC.S4 - Playtime with electronic devices

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.

**Table TC.5.4: Inadequate supervision**

Percentage of children under age 5 left alone or under the supervision of another child younger than 10 years of age for more than one hour at least once during the past week, Thailand, 2022

|  | Percentage of children:     |   |  | Number of children |
|--|-----------------------------|---|--|--------------------|
|  | Left alone in the past week | Left under the supervision of another child younger than 10 years of age in the past week | Left with inadequate supervision in the past week <sup>1</sup> |                    |
| <b>Total</b>                             | <b>1.8</b>                  | <b>3.8</b>  | <b>4.7</b>   | <b>10,502</b>      |
| <b>Sex</b>                               |                             |   |  |                    |
| Male                                     | 1.6                         | 3.7   | 4.5  | 5,640              |
| Female                                   | 2.0                         | 4.0   | 5.0  | 4,862              |
| <b>Area</b>                              |                             |   |  |                    |
| Urban                                    | 1.5                         | 4.3   | 4.9  | 4,273              |
| Rural                                    | 2.0                         | 3.5   | 4.6  | 6,229              |
| <b>Region</b>                            |                             |   |  |                    |
| Bangkok                                  | 2.5                         | 5.2   | 5.6  | 830                |
| Central                                  | 0.8                         | 2.5   | 3.3  | 2,783              |
| North                                    | 1.5                         | 4.4   | 5.0  | 1,832              |
| Northeast                                | 2.9                         | 4.0   | 5.6  | 3,259              |
| South                                    | 1.3                         | 4.4   | 4.8  | 1,797              |
| <b>Age</b>                               |                             |   |  |                    |
| 0-1                                      | 1.2                         | 1.6   | 2.3  | 3,643              |
| 2-4                                      | 2.1                         | 5.0   | 6.0  | 6,859              |
| <b>Mother's education</b>                |                             |   |  |                    |
| Pre-primary or none                      | 1.5                         | 5.6   | 6.0  | 461                |
| Primary                                  | 2.5                         | 4.6   | 5.4  | 2,729              |
| Lower secondary                          | 2.5                         | 3.8   | 5.3  | 2,039              |
| Upper secondary                          | 1.2                         | 3.7   | 4.2  | 2,397              |
| Higher                                   | 1.2                         | 2.9   | 3.8  | 2,842              |
| <b>Native language of household head</b> |                             |   |  |                    |
| Thai                                     | 1.9                         | 3.4   | 4.3  | 9,331              |
| Non-Thai                                 | 0.9                         | 7.5   | 7.8  | 1,171              |
| <b>Wealth index quintile</b>             |                             |   |  |                    |
| Poorest                                  | 3.7                         | 6.6   | 8.2  | 2,362              |
| Second                                   | 1.5                         | 2.9   | 3.7  | 2,236              |
| Middle                                   | 1.9                         | 2.5   | 3.7  | 2,140              |
| Fourth                                   | 0.8                         | 3.3   | 3.6  | 2,036              |
| Richest                                  | 0.6                         | 3.5   | 3.8  | 1,729              |

<sup>1</sup> MICS indicator TC.52 - Inadequate supervision

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.

## 6.6 EARLY CHILD DEVELOPMENT INDEX 2030 (ECDI2030)

Early childhood development is a multidimensional process that involves a progression of motor, cognitive, language, socio-emotional and regulatory skills and capacities across the first few years of life.<sup>29</sup> While these are distinct domains of early childhood development, they are interconnected. Nurturing and supporting all these dimensions in a holistic manner is key to ensuring children have the best chance to reach their full potential. Physical growth, literacy and numeracy skills, socio-emotional development and learning readiness set the trajectory for lifelong health, learning and well-being.<sup>30</sup>

The Early Childhood Development Index 2030 (ECDI2030) module captures the achievement of key developmental milestones by children between the ages of 24 and 59 months. The ECDI2030 was developed with the specific aim of providing countries with a measure that meets the requirements for global monitoring and reporting on SDG 4.2.1. In particular, the ECDI2030 has the conceptual validity and content coverage for measuring the three domains stated in SDG indicator 4.2.1 among children aged 24 to 59 months.

The measure includes 20 questions about the way children behave in certain everyday situations, and the skills and knowledge they have acquired, reflecting the increasing difficulty of the skills children acquire as they grow. The 20 items are organized according to the three general domains of health, learning and psychosocial well-being. Children are considered to be developmentally on track if they have achieved the minimum number of milestones expected for their age group. Each of the three general domains is composed of a set of core sub-domains:

- Health sub-domains: gross motor development, fine motor development and self-care.
- Learning sub-domains: expressive language, literacy, numeracy, pre-writing, and executive functioning.
- Psychosocial well-being sub-domains: emotional skills, social skills, internalizing behavior, and externalizing behavior.

The ECDI2030 module is not designed to report on individual domains separately. Rather, it is meant to produce a single summary score that captures the interlinked developmental concepts embedded in the three domains mentioned in SDG 4.2.1.<sup>31</sup>

The indicator derived from the ECDI2030 module is the percentage of children aged 24 to 59 months who have achieved the minimum number of milestones expected for their age group.<sup>32</sup> The findings are presented in Table TC.6.1.

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<sup>29</sup> UNICEF et al. *Advancing Early Childhood Development: From Science to Scale*. Executive Summary, The Lancet, 2016. [https://www.thelancet.com/pb-assets/Lancet/stories/series/ecd/Lancet\\_ECD\\_Executive\\_Summary.pdf](https://www.thelancet.com/pb-assets/Lancet/stories/series/ecd/Lancet_ECD_Executive_Summary.pdf).

<sup>30</sup> Shonkoff, J. and D. Phillips. *From Neurons to Neighborhoods: The Science of Early Childhood Development*. Washington, D.C.: National Academy Press, 2000.; United Nations Children's Fund, *Early Moments Matter*, New York: UNICEF, 2017.

<sup>31</sup> For details about the development of the ECDI2030 module and related indicator, see 'ECDI2030-Frequently-Asked-Questions': <https://data.unicef.org/resources/early-childhood-development-index-2030-ecd2030/>

<sup>32</sup> The indicator generated by the ECDI2030 module is not entirely comparable to the one generated by the ECDI module that was introduced in the MICS surveys in 2009. For more information see 'ECDI2030-Frequently-Asked-Questions'.

**Table TC.6.1: Early childhood development index (ECDI2030)**

Percentage of children aged 24-59 months who are developmentally on track in health, learning and psychosocial well-being, Thailand, 2022

|  | Early child development index score <sup>1</sup> | Number of children age 24-59 months |
|--|--|-------------------------------------|
| <b>Total</b>   | <b>77.8</b>                                      | <b>6,859</b>                        |
| <b>Sex</b>   |  |                                     |
| Male   | 75.2   | 3,750                               |
| Female   | 81.0   | 3,109                               |
| <b>Area</b>  |  |                                     |
| Urban  | 79.7   | 2,774                               |
| Rural  | 76.5   | 4,085                               |
| <b>Region</b>  |  |                                     |
| Bangkok  | 85.3   | 535                                 |
| Central  | 80.4   | 1,817                               |
| North  | 73.3   | 1,216                               |
| Northeast  | 74.2   | 2,152                               |
| South  | 81.9   | 1,139                               |
| <b>Attendance to early childhood education<sup>A</sup></b> |  |                                     |
| Attending  | 81.0   | 3,427                               |
| Not attending  | 66.7   | 1,152                               |
| <b>Mother's education</b>                                  |  |                                     |
| Pre-primary or none  | 54.2   | 317                                 |
| Primary  | 74.7   | 1,904                               |
| Lower secondary  | 77.6   | 1,280                               |
| Upper secondary  | 79.0   | 1,499                               |
| Higher   | 84.2   | 1,851                               |
| <b>Native language of household head</b>                   |  |                                     |
| Thai   | 78.0   | 6,188                               |
| Non-Thai   | 76.4   | 671                                 |
| <b>Wealth index quintile</b>                               |  |                                     |
| Poorest  | 72.0   | 1,531                               |
| Second   | 75.4   | 1,416                               |
| Middle   | 79.2   | 1,353                               |
| Fourth   | 80.7   | 1,425                               |
| Richest  | 83.5   | 1,134                               |

<sup>1</sup> MICS indicator TC.53- Early child development index (ECDI2030); SDG Indicator 4.2.1<sup>A</sup> Children aged 2 years are excluded, as early childhood education attendance is only collected for age 3-4 years.

Note: The category of 'Missing' and 'DK/Missing' in the background characteristics of 'Attendance to early childhood education' and 'Mother's education' has been suppressed from the table due to small number of unweighted cases.



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### 7.1 EARLY CHILDHOOD EDUCATION

Readiness of children for primary school can be improved through attendance to early childhood education programmes or through pre-school. Early childhood education programmes<sup>1</sup> include programmes for children that have organised learning components as opposed to baby-sitting and day-care which do not typically have organised education and learning.

Given that investing in children early builds the foundation for their future development and learning, with long-term gains in the areas of health, nutrition, education and future employment, this area has become one of the important policy areas for the Royal Thai Government. In early 2019, the National Early Childhood Development (ECD) Act became law, paving the way for access to quality ECD services for more than four million children up to six years of age, as well pregnant women. The ECD Plan 2021-2027, approved by the Cabinet, outlines the strategies and activities in which the relevant ministries would work together to provide the services and create the enabling environment for young children to develop to their full potential.

Table LN.1.1 shows the percent of children age 3 and 4 years currently attending early childhood education: MICS indicator LN.1. A child currently attending school is a child who regularly attends school at the time of the survey. If the child is not attending school at the time of the interview due to school holidays or breaks, but the child regularly attends school, the child is considered as currently attending school. This is based on question UB8 in the Questionnaire for Children under 5.

Table LN.1.2 looks at children's exposure to organised learning programmes in the year before the official primary entry age. The official primary school entry age in Thailand is age 6 years. Table LN.1.2 therefore refers to children who were 5 years old at the beginning of the school year.<sup>2</sup> In Thailand, the school year begins in May.

The indicator corresponds to SDG indicator 4.2.2: Participation rate in organized learning (one year before the official primary entry age) is calculated as an adjusted<sup>3</sup> net attendance rate (ANAR). This indicator is based on question UB7 in the Questionnaire for Children Under 5.

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<sup>1</sup> ECE is provided by both public and private service providers in Thailand. Thailand offers three years of free public pre-school which is primarily provided by the Department of Local Administration (Ministry of Interior), Ministry of Education, Bangkok Metropolitan Administration, and the Border Patrol Police School. These services are further categorized as ECD centres and Kindergartens and target different and at times overlapping age-groups of children, with the former welcoming children between the age of two and five and the latter enrolling those between the age of three and six, respectively. Beyond the target age, other differences between the two service often relate to variations in financial costs and operational regulations (e.g., timings, location, or teacher qualifications), curricular content, and teaching and learning processes.

<sup>2</sup> In MICS, the age of household members is the age at the time of the survey. This determines eligibility for individual questionnaires, modules and questions. Age is also used to define indicators. However, in analysis of the majority of education-related indicators based on the age of children, e.g., adjusted net attendance rates, completion rates, etc., a variable is created to reflect the age at the beginning of the school year. This eliminates issues relating to the timing and length of survey fieldwork and creates comparable findings across countries, while taking age-criteria for enrolment into account. Tables in this chapter specifically mention "Age at beginning of school year" in rows and columns where applicable, as compared to simply "age" in reference to age at the time of the survey.

<sup>3</sup> Rates presented in this table are "adjusted" since the numerator includes children one year younger than the official primary entry age attending either ECE or primary education.

Additionally, Table LN.1.2 presents the gender, wealth and area parity indices for SDG indicator 4.2.2. These indices contribute to SDG indicator 4.5.1: Parity indices (female/male, rural/urban, bottom/top wealth quintile and others such as disability status, indigenous peoples and conflict-affected, as data become available) for all education indicators that can be disaggregated. Generally, when a parity index value falls between 0.97 and 1.03, it is regarded as parity between two groups. The likely more disadvantaged group (e.g., female, poor and rural) is placed in the numerator, so parity index values below 0.97 indicate disadvantage for those groups. For example, in the gender parity index (GPI), a value between 0.97 and 1.03 indicates parity between the sexes, a GPI value lower than 0.97 indicates female disadvantage and a value greater than 1.03 suggests male disadvantage. The further from 1.00 that a parity index lies, the greater the disparity between groups. The indices do not reveal the overall indicator levels, as parity may be achieved, while overall levels for both groups are low.

Parity indices are also presented in Table LN.2.8 (for attendance to primary, lower and upper secondary school) and in Tables LN.4.1 and LN.4.2 (for reading and numeracy skills, respectively).

**Table LN.1.1: Early childhood education**

Percentage of children age 36-59 months who are attending early childhood education, Thailand, 2022

|  | Percentage of children age 36-59 months attending early childhood education <sup>1,A</sup> | Number of children age 36-59 months |
|--|--|-------------------------------------|
| <b>Total</b>                             | <b>74.8</b>  | <b>4,583</b>                        |
| <b>Sex</b>                               |  |                                     |
| Male                                     | 75.3   | 2,454                               |
| Female                                   | 74.2   | 2,129                               |
| <b>Area</b>                              |  |                                     |
| Urban                                    | 69.7   | 1,938                               |
| Rural                                    | 78.5   | 2,645                               |
| <b>Region</b>                            |  |                                     |
| Bangkok                                  | 58.2   | 368                                 |
| Central                                  | 63.6   | 1,180                               |
| North                                    | 82.4   | 800                                 |
| Northeast                                | 83.8   | 1,470                               |
| South                                    | 74.7   | 766                                 |
| <b>Age (in months)</b>                   |  |                                     |
| 36-47                                    | 61.2   | 2,283                               |
| 48-59                                    | 88.3   | 2,300                               |
| <b>Mother's education</b>                |  |                                     |
| Pre-primary or none                      | 48.2   | 219                                 |
| Primary                                  | 78.6   | 1,350                               |
| Lower secondary                          | 66.9   | 853                                 |
| Upper secondary                          | 77.1   | 955                                 |
| Higher                                   | 79.1   | 1,204                               |
| <b>Native language of household head</b> |  |                                     |
| Thai                                     | 74.9   | 4,164                               |
| Non-Thai                                 | 73.4   | 419                                 |
| <b>Wealth index quintile</b>             |  |                                     |
| Poorest                                  | 74.6   | 1,029                               |
| Second                                   | 73.0   | 987                                 |
| Middle                                   | 74.5   | 917                                 |
| Fourth                                   | 78.0   | 901                                 |
| Richest                                  | 74.0   | 749                                 |

<sup>1</sup> MICS indicator LN.1 - Attendance to early childhood education

<sup>A</sup> Note that this indicator is a measure of current attendance, i.e. attending at the time of interview. It is therefore not directly comparable to the adjusted net attendance rates at higher levels of education presented elsewhere in this chapter.

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.



**Table LN.1.2: Participation rate in organised learning (one year before the official primary entry age)**

Percent distribution of children age one year younger than the official primary school entry age at the beginning of the school year, by attendance to education, and percent of children attending early childhood education or primary education (net attendance rate, adjusted), Thailand, 2022

|  | Percent of children:                             |                             |  | Total        | Net attendance ratio (adjusted) <sup>1</sup> | Number of children age 5 years at beginning of the school year |
|--|--|-----------------------------|--|--------------|--|--|
|  | Attending an early childhood education programme | Attending primary education | Not attending any level of education (out of school) |              |  |  |
| <b>Total</b>                             | <b>85.6</b>                                      | <b>2.0</b>                  | <b>12.4</b>  | <b>100.0</b> | <b>87.6</b>                                  | <b>745</b>   |
| <b>Sex</b>                               |  |                             |  |              |  |  |
| Male                                     | 86.8   | 1.7                         | 11.5   | 100.0        | 88.5   | 381  |
| Female                                   | 84.3   | 2.3                         | 13.4   | 100.0        | 86.6   | 364  |
| <b>Area</b>                              |  |                             |  |              |  |  |
| Urban                                    | 86.9   | 2.0                         | 11.1   | 100.0        | 88.9   | 301  |
| Rural                                    | 84.7   | 2.0                         | 13.3   | 100.0        | 86.7   | 443  |
| <b>Region</b>                            |  |                             |  |              |  |  |
| Bangkok                                  | 88.8   | 1.1                         | 10.1   | 100.0        | 89.9   | 58   |
| Central                                  | 85.6   | 0.7                         | 13.7   | 100.0        | 86.3   | 197  |
| North                                    | 89.5   | 3.1                         | 7.5  | 100.0        | 92.5   | 120  |
| Northeast                                | 83.0   | 3.0                         | 14.0   | 100.0        | 86.0   | 222  |
| South                                    | 85.1   | 1.7                         | 13.2   | 100.0        | 86.8   | 147  |
| <b>Mother's education</b>                |  |                             |  |              |  |  |
| Pre-primary or none                      | 76.1   | 0.0                         | 23.9   | 100.0        | 76.1   | 34   |
| Primary                                  | 85.8   | 2.1                         | 12.0   | 100.0        | 88.0   | 223  |
| Lower secondary                          | 90.3   | 0.2                         | 9.5  | 100.0        | 90.5   | 133  |
| Upper secondary                          | 87.5   | 1.1                         | 11.4   | 100.0        | 88.6   | 154  |
| Higher                                   | 82.4   | 4.1                         | 13.6   | 100.0        | 86.4   | 201  |
| <b>Native language of household head</b> |  |                             |  |              |  |  |
| Thai                                     | 84.9   | 2.1                         | 13.0   | 100.0        | 87.0   | 658  |
| Non-Thai                                 | 90.8   | 1.1                         | 8.1  | 100.0        | 91.9   | 87   |
| <b>Wealth index quintile</b>             |  |                             |  |              |  |  |
| Poorest                                  | 87.9   | 1.9                         | 10.2   | 100.0        | 89.8   | 201  |
| Second                                   | 78.5   | 1.1                         | 20.4   | 100.0        | 79.6   | 130  |
| Middle                                   | 87.3   | 5.0                         | 7.8  | 100.0        | 92.2   | 136  |
| Fourth                                   | 82.8   | 0.4                         | 16.9   | 100.0        | 83.1   | 149  |
| Richest                                  | 90.6   | 1.8                         | 7.6  | 100.0        | 92.4   | 129  |
| <b>Parity indices</b>                    |  |                             |  |              |  |  |
| Sex                                      |  |                             |  |              |  |  |
| Female/Male <sup>2</sup>                 | 0.97   | 1.31                        | 1.17   | 1.00         | 0.98   | 0.96   |
| Wealth                                   |  |                             |  |              |  |  |
| Poorest/Richest <sup>3</sup>             | 0.97   | 1.05                        | 1.33   | 1.00         | 0.97   | 1.56   |
| Area                                     |  |                             |  |              |  |  |
| Rural/Urban <sup>4</sup>                 | 0.97   | 1.01                        | 1.20   | 1.00         | 0.97   | 1.47   |

<sup>1</sup> MICS indicator LN.2- Participation rate in organised learning (one year before the official primary entry age) (adjusted); SDG indicator 4.2.2

<sup>2</sup> MICS indicator LN.11a - Parity indices - organised learning (gender); SDG indicator 4.5.1

<sup>3</sup> MICS indicator LN.11b - Parity indices - organised learning (wealth); SDG indicator 4.5.1

<sup>4</sup> MICS indicator LN.11c - Parity indices - organised learning (area); SDG indicator 4.5.1

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.

## 7.2 ATTENDANCE

Ensuring that all girls and boys complete primary and secondary education is a target of the of the 2030 Agenda for Sustainable Development. Education is a vital prerequisite for combating poverty, empowering women, economic growth, protecting children from hazardous and exploitative labour and sexual exploitation, promoting human rights and democracy, protecting the environment, and influencing population growth.

In Thailand, children are expected to enter primary school at age 6, lower secondary at age 12 and upper secondary school at age 15. There are 6 grades in primary school, 3 grades in lower secondary school and 3 grades in upper secondary school. In primary school, grades are referred to as *Prathomsuksa 1 to Prathomsuksa 6*. For lower secondary school, grades are referred to as *Mattayomsuksa 1 to Mattayomsuksa 3* and in upper secondary to *Mattayomsuksa 4 to Mattayomsuksa 6*. The school year typically runs from May of one year to March of the following year.

To achieve comparability between varying national educational systems and classifications across the world, the United Nations Educational, Scientific and Cultural Organization (UNESCO) maintains the International Standard Classification of Education (ISCED) statistical framework. Its defined levels and coding are used in computation of MICS Indicators.<sup>4</sup> With focus on completion of primary and secondary education, indicators are centred on levels 0-3 presented in the table of classifications below.

| ISCED 2011 |                                    | Education system in Thailand  |  |
|------------|------------------------------------|---|--|
| Level      | ISCED Name                         | Name of education level in:   |  |
|            |                                    | Thai  | English  |
| 0          | Early childhood education and care | ปฐมวัย<br>ก่อนประถมศึกษา  | Learning and childcare<br>Pre-primary                                      |
| 1          | Primary                            | ประถมศึกษา<br>การศึกษานอกระบบ หลักสูตรชั้นประถมศึกษา                  | Primary<br>Primary Basic Education for Adults                              |
| 2          | Lower secondary                    | มัธยมศึกษาตอนต้น<br>การศึกษานอกระบบ หลักสูตรชั้นมัธยมศึกษาตอนต้น      | Lower Secondary (Grades 7-9)<br>Lower Secondary Basic Education for Adults |
| 3          | Upper secondary                    | มัธยมศึกษาตอนปลาย ประเภทสายสามัญ/<br>วิชาการ                          | Upper Secondary (Grades 10-12)   |
|            |                                    | การศึกษานอกระบบ หลักสูตรชั้นมัธยมศึกษาตอนปลาย                         | Upper Secondary Basic Education for Adults                                 |
|            |                                    | มัธยมศึกษาตอนปลายประเภทอาชีวศึกษา                                     | Upper Secondary, Vocational Education and Training                         |
|            |                                    | การจัดการศึกษาเฉพาะทาง หลักสูตรระดับมัธยมศึกษาตอนปลาย สายอาชีพ (ปวช.) | Education provided by other agencies in<br>Upper Secondary                 |

Note: The ISCED post-secondary level 4-8 are not detailed in this table, but include 4: Post-secondary non-tertiary, 5: Short-cycle tertiary, 6: Bachelor's or equivalent, 7: Master's or equivalent, and 8: Doctoral or equivalent

Attendance in pre-primary education is important for the readiness of children to school. Table LN.2.1 shows the proportion of children in the first grade of primary school (regardless of age) who attended an early childhood education programme the previous year.<sup>5</sup>

Table LN.2.2 presents the percentage of children of primary school entry age entering *Prathomsuksa 1*.

<sup>4</sup> ISCED is periodically revised by UNESCO (latest in 2011) in consultation with countries. National ISCED mappings are published here: <http://uis.unesco.org/en/isced-mappings>.

<sup>5</sup> The computation of the indicator does not exclude repeaters, and therefore is inclusive of both children who are attending primary school for the first time, as well as those who were in the first grade of primary school the previous school year and are repeating. Children repeating may have attended pre-primary education prior to the school year during which they attended the first grade of primary school for the first time; these children are not captured in the numerator of the indicator.

Table LN.2.3 provides the percentage of children of primary school age (6 to 11 years) who are attending primary or secondary school<sup>6</sup>, and those who are out of school. Similarly, Table LN.2.4 presents the percentage of children of lower secondary school age (age 12 to 14 years) who are attending lower secondary school or higher education levels<sup>7</sup>, and those who are out of school.

In Table LN.2.5, children are distributed according to their age against current grade of attendance (age-for-grade). For example, an 8-year-old child (at the beginning of the school year) is expected to be in *Prathomsuksa 3*, as per the official intended age-for-grade. If this child is currently in *Prathomsuksa 1*, he/she will be classified over-age by 2 years. The table includes both primary and lower secondary levels.

Table LN.2.6 presents the percentage of children of upper secondary school age (age 15 to 17 years) who are attending upper secondary school or higher<sup>8</sup>, and those who are out of school.

The gross intake ratio to the last grade of primary school, primary school completion rate and transition rate to secondary education are presented in Table LN.2.7. The gross intake ratio is the ratio of the total number of students, regardless of age, entering the last grade of primary school for the first time, to the number of children of the primary graduation age at the beginning of the current (or most recent) school year.

The completion rate of primary education refers to the percentage of a cohort of children aged 3 to 5 years above the official age of the last grade of primary education who have completed primary education. The intended age for the last grade of primary is the age at which children would enter the last grade of primary school if they had started school at the official primary entry age and had progressed without repeating or skipping a grade. In Thailand, the official age of entry into primary school is age 6 years<sup>9</sup>. With 6 grades in primary school, the intended age for the last grade of primary is therefore 11 years, and the reference group for the completion rate of primary education is children age 14 to 16 years. Completion rates are also presented for lower and upper secondary education. The official intended age for the last grades of lower and upper secondary school are 14 and 17 years, respectively. Thus, denominators for the lower and upper secondary completion rates are children age 17 to 19 years and children age 20 to 22 years, respectively.

The table also provides the “effective” transition rate<sup>10</sup>, defined as the percentage of children who continued to the next level of education – the number of children who are attending the first grade of the higher education level in the current school year and were in the last grade of the lower education level the previous year divided by the number of children who were in the last grade of the lower education level the previous school year and are not repeating that grade in the current year.

A low effective transition rate indicates that a low percentage of students are transitioning to the next level of education. This brings to light the existence of potential barriers in an education system including: financial burden such as enrolment fees or the obligation to purchase textbooks or school uniforms; education supply and quality

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<sup>6</sup> Rates presented in this table are "adjusted" since they include not only primary school attendance, but also lower and upper secondary school attendance in the numerator.

<sup>7</sup> Rates presented in this table are "adjusted" since they include not only lower secondary school attendance, but also attendance to higher education levels in the numerator.

<sup>8</sup> Rates presented in this table are "adjusted" since they include not only upper secondary school attendance, but also attendance to higher education levels in the numerator.

<sup>9</sup> The official age of enter primary school is 6 years old. However, the age calculation by MoE regulation is different from the global practice. A child must be full 6 years old in that calendar year. In other word, a child must be 6 years old or over as of 1 January to enter primary school in May that year. Or a child must graduate from kindergarten 3 in previous academic year. The figure in MICS is based on global practice calculation to use age at the beginning of school year, therefore we might see many overaged children in primary school.

<sup>10</sup> The simple transition rate, which is no longer calculated in MICS, tends to underestimate pupils' progression to secondary school as it assumes that the repeaters never reach secondary school.

issues such as a limited number of teachers or classrooms and low-quality teaching; as well as social and individual beliefs on education such as low expectation in returns of advancing in education.

Table LN.2.8 presents the gender parity indices for the adjusted primary and secondary net attendance rates provided in Tables LN.2.3, LN.2.4 and LN 2.6. It also presents additional parity indices contributing to SDG 4.5.1, as described for Table LN.1.2.

**Table LN.2.1: School readiness**

Percentage of children attending the first grade of primary school who attended an early childhood education programme during the previous school year, Thailand, 2022

|  | Percentage of children attending the first grade of primary school who attended an early childhood education programme during the previous school year <sup>1</sup> | Number of children attending first grade of primary school |
|--|---|--|
| <b>Total</b>                             | <b>93.6</b>   | <b>753</b>   |
| <b>Sex</b>                               |   |  |
| Male                                     | 92.9  | 408  |
| Female                                   | 94.6  | 345  |
| <b>Area</b>                              |   |  |
| Urban                                    | 94.5  | 346  |
| Rural                                    | 92.9  | 407  |
| <b>Region</b>                            |   |  |
| Bangkok                                  | 96.1  | 60   |
| Central                                  | 94.3  | 196  |
| North                                    | 92.8  | 123  |
| Northeast                                | 93.6  | 237  |
| South                                    | 92.4  | 136  |
| <b>Mother's education</b>                |   |  |
| Pre-primary or none                      | 94.8  | 23   |
| Primary                                  | 95.1  | 255  |
| Lower secondary                          | 91.5  | 117  |
| Upper secondary                          | 93.1  | 143  |
| Higher                                   | 93.3  | 216  |
| <b>Native language of household head</b> |   |  |
| Thai                                     | 93.9  | 684  |
| Non-Thai                                 | 91.4  | 69   |
| <b>Wealth index quintile</b>             |   |  |
| Poorest                                  | 94.0  | 138  |
| Second                                   | 93.5  | 189  |
| Middle                                   | 92.9  | 149  |
| Fourth                                   | 95.1  | 137  |
| Richest                                  | 92.8  | 140  |

<sup>1</sup> MICS indicator LN.3 - School readiness

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.

**Table LN.2.2: Primary school entry**

Percentage of children of primary school entry age entering grade 1 (net intake rate), Thailand, 2022

|  | Percentage of children of primary school entry age entering grade 1 <sup>1</sup> | Number of children of primary school entry age <sup>A</sup> |
|--|--|---|
| <b>Total</b>                             | <b>77.4</b>  | <b>722</b>  |
| <b>Sex</b>                               |  |   |
| Male                                     | 80.3   | 386   |
| Female                                   | 74.0   | 336   |
| <b>Area</b>                              |  |   |
| Urban                                    | 79.2   | 328   |
| Rural                                    | 75.9   | 394   |
| <b>Region</b>                            |  |   |
| Bangkok                                  | 83.3   | 65  |
| Central                                  | 79.9   | 185   |
| North                                    | 79.4   | 112   |
| Northeast                                | 72.5   | 229   |
| South                                    | 77.6   | 131   |
| <b>Mother's education</b>                |  |   |
| Pre-primary or none                      | 57.1   | 24  |
| Primary                                  | 73.0   | 258   |
| Lower secondary                          | 71.5   | 119   |
| Upper secondary                          | 88.9   | 132   |
| Higher                                   | 81.6   | 189   |
| <b>Native language of household head</b> |  |   |
| Thai                                     | 77.8   | 649   |
| Non-Thai                                 | 74.1   | 73  |
| <b>Wealth index quintile</b>             |  |   |
| Poorest                                  | 72.9   | 125   |
| Second                                   | 81.4   | 187   |
| Middle                                   | 78.9   | 139   |
| Fourth                                   | 72.4   | 151   |
| Richest                                  | 80.3   | 121   |

<sup>1</sup> MICS indicator LN.4 - Net intake rate in primary education

**Table LN.2.3: School attendance among children of primary school age**

Percentage of children of primary school age at the beginning of the school year attending primary, lower or upper secondary school (net attendance rate, adjusted), percentage attending early childhood education, and percentage out of school, by sex, Thailand, 2022

|  | Male                           |                                     |                            |  | Female                         |                                     |                            |  | Total                                       |                                     |                              |  |
|--|--------------------------------|-------------------------------------|----------------------------|--|--------------------------------|-------------------------------------|----------------------------|--|---|-------------------------------------|------------------------------|--|
|  | Percentage of children:        |                                     |                            | Number of children of primary school age at beginning of school year | Percentage of children:        |                                     |                            | Number of children of primary school age at beginning of school year | Percentage of children:                     |                                     |                              | Number of children of primary school age at beginning of school year |
|  | Net attendance rate (adjusted) | Attending early childhood education | Out of school <sup>A</sup> |  | Net attendance rate (adjusted) | Attending early childhood education | Out of school <sup>A</sup> |  | Net attendance rate (adjusted) <sup>1</sup> | Attending early childhood education | Out of school <sup>2,A</sup> |  |
| <b>Total</b>                           | <b>93.5</b>                    | <b>1.8</b>                          | <b>4.7</b>                 | <b>2,700</b>   | <b>93.4</b>                    | <b>3.0</b>                          | <b>3.5</b>                 | <b>2,653</b>   | <b>93.5</b>                                 | <b>2.4</b>                          | <b>4.1</b>                   | <b>5,353</b>   |
| <b>Area</b>                            |                                |                                     |                            |  |                                |                                     |                            |  |   |                                     |                              |  |
| Urban                                  | 94.2                           | 1.7                                 | 4.1                        | 1,161  | 94.4                           | 3.1                                 | 2.5                        | 1,173  | 94.3  | 2.4                                 | 3.3                          | 2,334  |
| Rural                                  | 92.9                           | 1.9                                 | 5.2                        | 1,539  | 92.6                           | 3.0                                 | 4.4                        | 1,480  | 92.8  | 2.4                                 | 4.8                          | 3,019  |
| <b>Region</b>                          |                                |                                     |                            |  |                                |                                     |                            |  |   |                                     |                              |  |
| Bangkok                                | 96.7                           | 1.1                                 | 2.2                        | 244  | 94.3                           | 3.8                                 | 1.9                        | 237  | 95.5  | 2.4                                 | 2.1                          | 480  |
| Central                                | 94.8                           | 1.2                                 | 4.0                        | 754  | 95.3                           | 2.9                                 | 1.8                        | 658  | 95.0  | 2.0                                 | 3.0                          | 1,413  |
| North                                  | 95.9                           | 2.5                                 | 1.6                        | 379  | 93.6                           | 2.5                                 | 3.9                        | 472  | 94.7  | 2.5                                 | 2.9                          | 851  |
| Northeast                              | 90.7                           | 2.1                                 | 7.2                        | 881  | 91.1                           | 3.5                                 | 5.4                        | 832  | 90.9  | 2.8                                 | 6.3                          | 1,713  |
| South                                  | 92.8                           | 2.1                                 | 5.1                        | 442  | 94.2                           | 2.7                                 | 3.2                        | 454  | 93.5  | 2.4                                 | 4.1                          | 896  |
| <b>Age at beginning of school year</b> |                                |                                     |                            |  |                                |                                     |                            |  |   |                                     |                              |  |
| 6                                      | 80.3                           | 12.4                                | 7.3                        | 386  | 74.0                           | 22.6                                | 3.3                        | 336  | 77.4  | 17.2                                | 5.5                          | 722  |
| 7                                      | 96.6                           | 0.1                                 | 3.3                        | 432  | 93.3                           | 0.2                                 | 6.5                        | 444  | 94.9  | 0.2                                 | 4.9                          | 876  |
| 8                                      | 96.5                           | 0.1                                 | 3.4                        | 473  | 98.1                           | 0.5                                 | 1.4                        | 454  | 97.3  | 0.3                                 | 2.4                          | 928  |
| 9                                      | 95.7                           | 0.0                                 | 4.3                        | 498  | 97.9                           | 0.1                                 | 2.0                        | 469  | 96.7  | 0.1                                 | 3.2                          | 966  |
| 10                                     | 93.7                           | 0.0                                 | 6.3                        | 503  | 95.2                           | 0.1                                 | 4.7                        | 537  | 94.5  | 0.1                                 | 5.5                          | 1,040  |
| 11                                     | 96.3                           | 0.0                                 | 3.8                        | 408  | 96.9                           | 0.0                                 | 3.2                        | 413  | 96.6  | 0.0                                 | 3.5                          | 821  |
| <b>Mother's education</b>              |                                |                                     |                            |  |                                |                                     |                            |  |   |                                     |                              |  |
| Pre-primary or none                    | 83.6                           | 3.4                                 | 12.9                       | 84   | 83.1                           | 2.2                                 | 14.6                       | 93   | 83.4  | 2.8                                 | 13.8                         | 177  |
| Primary                                | 92.0                           | 1.6                                 | 6.4                        | 975  | 90.6                           | 4.5                                 | 4.9                        | 911  | 91.4  | 3.0                                 | 5.7                          | 1,886  |
| Lower secondary                        | 94.0                           | 2.2                                 | 3.8                        | 493  | 95.3                           | 2.0                                 | 2.6                        | 536  | 94.7  | 2.1                                 | 3.2                          | 1,029  |
| Upper secondary                        | 96.2                           | 0.9                                 | 3.0                        | 572  | 96.1                           | 1.3                                 | 2.5                        | 473  | 96.2  | 1.1                                 | 2.8                          | 1,044  |
| Higher                                 | 94.3                           | 2.6                                 | 3.1                        | 576  | 95.4                           | 3.1                                 | 1.5                        | 639  | 94.9  | 2.9                                 | 2.3                          | 1,215  |

**Table LN.2.3: School attendance among children of primary school age (continued)**

Percentage of children of primary school age at the beginning of the school year attending primary, lower or upper secondary school (net attendance rate, adjusted), percentage attending early childhood education, and percentage out of school, by sex, Thailand, 2022

|  | Male                           |                                     |                            |  | Female                         |                                     |                            |  | Total                                       |                                     |                              |  |
|--|--------------------------------|-------------------------------------|----------------------------|--|--------------------------------|-------------------------------------|----------------------------|--|---|-------------------------------------|------------------------------|--|
|  | Percentage of children:        |                                     |                            | Number of children of primary school age at beginning of school year | Percentage of children:        |                                     |                            | Number of children of primary school age at beginning of school year | Percentage of children:                     |                                     |                              | Number of children of primary school age at beginning of school year |
|  | Net attendance rate (adjusted) | Attending early childhood education | Out of school <sup>A</sup> |  | Net attendance rate (adjusted) | Attending early childhood education | Out of school <sup>A</sup> |  | Net attendance rate (adjusted) <sup>1</sup> | Attending early childhood education | Out of school <sup>2,A</sup> |  |
| <b>Native language of household head</b> |                                |                                     |                            |  |                                |                                     |                            |  |   |                                     |                              |  |
| Thai                                     | 93.6                           | 1.7                                 | 4.7                        | 2,471  | 93.6                           | 2.9                                 | 3.5                        | 2,407  | 93.6  | 2.3                                 | 4.1                          | 4,879  |
| Non-Thai                                 | 92.2                           | 2.4                                 | 5.4                        | 228  | 91.6                           | 4.1                                 | 4.5                        | 246  | 91.9  | 3.3                                 | 4.9                          | 474  |
| <b>Wealth index quintile</b>             |                                |                                     |                            |  |                                |                                     |                            |  |   |                                     |                              |  |
| Poorest                                  | 92.0                           | 2.3                                 | 5.8                        | 594  | 91.7                           | 2.7                                 | 5.7                        | 507  | 91.8  | 2.5                                 | 5.7                          | 1,100  |
| Second                                   | 93.0                           | 1.5                                 | 5.5                        | 649  | 92.4                           | 2.3                                 | 5.3                        | 556  | 92.8  | 1.8                                 | 5.4                          | 1,204  |
| Middle                                   | 96.1                           | 1.4                                 | 2.5                        | 516  | 94.6                           | 3.3                                 | 2.1                        | 567  | 95.3  | 2.4                                 | 2.3                          | 1,083  |
| Fourth                                   | 91.2                           | 1.5                                 | 7.3                        | 527  | 91.8                           | 4.1                                 | 4.1                        | 500  | 91.5  | 2.8                                 | 5.7                          | 1,027  |
| Richest                                  | 96.0                           | 2.6                                 | 1.4                        | 415  | 96.6                           | 2.8                                 | 0.6                        | 524  | 96.3  | 2.7                                 | 1.0                          | 938  |

<sup>1</sup> MICS indicator LN.5a - Primary school net attendance rate (adjusted)

<sup>2</sup> MICS indicator LN.6a - Out-of-school rate for children of primary school age

<sup>A</sup>The percentage of children of primary school age out of school are those not attending any level of education.

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.



**Table LN.2.4: School attendance among children of lower secondary school age**

Percentage of children of lower secondary school age at the beginning of the school year attending lower secondary school or higher (net attendance rate, adjusted), percentage attending primary school, and percentage out of school, by sex, Thailand, 2022

|  | Male                           |                          |                            |  | Female                         |                          |                            |  | Total                                       |                          |                              |  |
|--|--------------------------------|--------------------------|----------------------------|--|--------------------------------|--------------------------|----------------------------|--|---|--------------------------|------------------------------|--|
|  | Percentage of children:        |                          |                            | Number of children of lower secondary school age at beginning of school year | Percentage of children:        |                          |                            | Number of children of lower secondary school age at beginning of school year | Percentage of children:                     |                          |                              | Number of children of lower secondary school age at beginning of school year |
|  | Net attendance rate (adjusted) | Attending primary school | Out of school <sup>A</sup> |  | Net attendance rate (adjusted) | Attending primary school | Out of school <sup>A</sup> |  | Net attendance rate (adjusted) <sup>1</sup> | Attending primary school | Out of school <sup>2,A</sup> |  |
| <b>Total</b>                           | <b>83.5</b>                    | <b>10.0</b>              | <b>6.5</b>                 | <b>1,451</b>   | <b>86.3</b>                    | <b>9.9</b>               | <b>3.9</b>                 | <b>1,292</b>   | <b>84.9</b>                                 | <b>9.9</b>               | <b>5.3</b>                   | <b>2,743</b>   |
| <b>Area</b>                            |                                |                          |                            |  |                                |                          |                            |  |   |                          |                              |  |
| Urban                                  | 83.0                           | 11.2                     | 5.8                        | 617  | 89.1                           | 9.0                      | 1.9                        | 579  | 86.0  | 10.1                     | 3.9                          | 1,196  |
| Rural                                  | 83.9                           | 9.0                      | 7.1                        | 834  | 84.1                           | 10.7                     | 5.4                        | 714  | 84.0  | 9.8                      | 6.3                          | 1,547  |
| <b>Region</b>                          |                                |                          |                            |  |                                |                          |                            |  |   |                          |                              |  |
| Bangkok                                | 87.6                           | 5.3                      | 7.3                        | 145  | 94.9                           | 4.3                      | 0.8                        | 130  | 91.0  | 4.9                      | 4.2                          | 275  |
| Central                                | 82.9                           | 13.4                     | 3.6                        | 429  | 90.7                           | 6.7                      | 2.6                        | 347  | 86.4  | 10.4                     | 3.2                          | 776  |
| North                                  | 88.6                           | 3.9                      | 7.9                        | 207  | 88.3                           | 8.5                      | 2.9                        | 219  | 88.5  | 6.3                      | 5.3                          | 426  |
| Northeast                              | 83.5                           | 9.8                      | 6.7                        | 470  | 80.2                           | 14.2                     | 6.1                        | 370  | 82.0  | 11.7                     | 6.5                          | 840  |
| South                                  | 77.0                           | 12.7                     | 10.3                       | 199  | 82.8                           | 12.4                     | 4.8                        | 226  | 80.1  | 12.5                     | 7.4                          | 425  |
| <b>Age at beginning of school year</b> |                                |                          |                            |  |                                |                          |                            |  |   |                          |                              |  |
| 12                                     | 65.8                           | 29.5                     | 4.7                        | 478  | 66.6                           | 27.4                     | 6.0                        | 456  | 66.2  | 28.5                     | 5.3                          | 934  |
| 13                                     | 93.1                           | 0.2                      | 6.7                        | 502  | 95.9                           | 0.7                      | 3.4                        | 401  | 94.3  | 0.4                      | 5.2                          | 903  |
| 14                                     | 91.4                           | 0.6                      | 8.2                        | 471  | 98.1                           | 0.1                      | 2.0                        | 435  | 94.6  | 0.3                      | 5.2                          | 906  |
| <b>Mother's education<sup>B</sup></b>  |                                |                          |                            |  |                                |                          |                            |  |   |                          |                              |  |
| Pre-primary or none                    | 74.0                           | 10.3                     | 18.0                       | 48   | 77.9                           | 20.3                     | 1.8                        | 46   | 75.9  | 15.1                     | 10.2                         | 94   |
| Primary                                | 80.8                           | 12.0                     | 7.1                        | 593  | 82.7                           | 12.2                     | 5.4                        | 549  | 81.7  | 12.1                     | 6.3                          | 1,142  |
| Lower secondary                        | 76.5                           | 16.5                     | 6.9                        | 284  | 86.8                           | 9.4                      | 3.8                        | 257  | 81.4  | 13.1                     | 5.4                          | 541  |
| Upper secondary                        | 89.4                           | 5.9                      | 4.7                        | 223  | 88.6                           | 7.9                      | 3.5                        | 223  | 89.0  | 6.9                      | 4.1                          | 446  |
| Higher                                 | 92.9                           | 2.7                      | 4.4                        | 301  | 94.7                           | 4.4                      | 0.9                        | 217  | 93.7  | 3.4                      | 2.9                          | 518  |

**Table LN.2.4: School attendance among children of lower secondary school age (continued)**

Percentage of children of lower secondary school age at the beginning of the school year attending lower secondary school or higher (net attendance rate, adjusted), percentage attending primary school, and percentage out of school, by sex, Thailand, 2022

|  | Male                           |                          |                            |  | Female                         |                          |                            |  | Total                                       |                          |                              |  |
|--|--------------------------------|--------------------------|----------------------------|--|--------------------------------|--------------------------|----------------------------|--|---|--------------------------|------------------------------|--|
|  | Percentage of children:        |                          |                            | Number of children of lower secondary school age at beginning of school year | Percentage of children:        |                          |                            | Number of children of lower secondary school age at beginning of school year | Percentage of children:                     |                          |                              | Number of children of lower secondary school age at beginning of school year |
|  | Net attendance rate (adjusted) | Attending primary school | Out of school <sup>A</sup> |  | Net attendance rate (adjusted) | Attending primary school | Out of school <sup>A</sup> |  | Net attendance rate (adjusted) <sup>1</sup> | Attending primary school | Out of school <sup>2,A</sup> |  |
| <b>Native language of household head</b> |                                |                          |                            |  |                                |                          |                            |  |   |                          |                              |  |
| Thai                                     | 83.7                           | 10.1                     | 6.3                        | 1,372  | 87.8                           | 8.6                      | 3.8                        | 1,173  | 85.6  | 9.4                      | 5.2                          | 2,544  |
| Non-Thai                                 | 80.6                           | 8.5                      | 10.8                       | 79   | 72.3                           | 22.8                     | 4.2                        | 120  | 75.6  | 17.1                     | 6.8                          | 199  |
| <b>Wealth index quintile</b>             |                                |                          |                            |  |                                |                          |                            |  |   |                          |                              |  |
| Poorest                                  | 75.2                           | 13.8                     | 11.3                       | 285  | 76.2                           | 16.2                     | 8.0                        | 271  | 75.7  | 14.9                     | 9.7                          | 556  |
| Second                                   | 73.4                           | 15.6                     | 11.0                       | 295  | 86.7                           | 10.0                     | 3.2                        | 288  | 80.0  | 12.9                     | 7.1                          | 584  |
| Middle                                   | 88.4                           | 7.3                      | 4.1                        | 274  | 88.2                           | 8.9                      | 2.9                        | 293  | 88.3  | 8.1                      | 3.5                          | 567  |
| Fourth                                   | 90.0                           | 7.3                      | 2.7                        | 317  | 86.8                           | 8.2                      | 5.0                        | 191  | 88.8  | 7.6                      | 3.6                          | 509  |
| Richest                                  | 90.6                           | 5.8                      | 3.8                        | 280  | 94.4                           | 5.3                      | 0.4                        | 248  | 92.4  | 5.5                      | 2.2                          | 527  |

<sup>1</sup> MICS indicator LN.5b - Lower secondary school net attendance rate (adjusted)

<sup>2</sup> MICS indicator LN.6b - Out-of-school rate for adolescents of lower secondary school age

<sup>A</sup> The percentage of children of lower secondary school age out of school are those not attending any level of education.

<sup>B</sup> The disaggregate of mother's education is not available for children age 15 years identified as emancipated at the time of interview. The sum of cases in the disaggregate may not equal the total denominator.

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.

| Table LN.2.5: Age for grade  |   |                 |                    |  |              |   |   |                 |                    |  |              |   |
|--|---|-----------------|--------------------|--|--------------|---|---|-----------------|--------------------|--|--------------|---|
| Percent distribution of children attending primary and lower secondary school who are underage, at official age and overage by 1 and by 2 or more years for grade attended, Thailand, 2022 |   |                 |                    |  |              |   |   |                 |                    |  |              |   |
|  | Primary school                              |                 |                    |  |              |   | Lower secondary school                      |                 |                    |  |              |   |
|  | Percent of children by grade of attendance: |                 |                    |  |              | Number of children attending primary school | Percent of children by grade of attendance: |                 |                    |  |              | Number of children attending lower secondary school |
|  | Under-age                                   | At official age | Over-age by 1 year | Over-age by 2 or more years <sup>1</sup> | Total        |   | Under-age                                   | At official age | Over-age by 1 year | Over-age by 2 or more years <sup>2</sup> | Total        |   |
| <b>Total</b>   | <b>2.1</b>                                  | <b>73.0</b>     | <b>23.5</b>        | <b>1.4</b>                               | <b>100.0</b> | <b>5,274</b>                                | <b>3.8</b>                                  | <b>66.8</b>     | <b>27.0</b>        | <b>2.4</b>                               | <b>100.0</b> | <b>2,595</b>  |
| <b>Sex</b>   |   |                 |                    |  |              |   |   |                 |                    |  |              |   |
| Male   | 1.7   | 73.1            | 23.7               | 1.5                                      | 100.0        | 2,665                                       | 4.1   | 65.5            | 27.6               | 2.8                                      | 100.0        | 1,384   |
| Female   | 2.5   | 72.9            | 23.3               | 1.3                                      | 100.0        | 2,609                                       | 3.3   | 68.4            | 26.4               | 1.9                                      | 100.0        | 1,211   |
| <b>Area</b>  |   |                 |                    |  |              |   |   |                 |                    |  |              |   |
| Urban  | 2.6   | 72.9            | 22.9               | 1.6                                      | 100.0        | 2,315                                       | 5.1   | 65.5            | 25.7               | 3.6                                      | 100.0        | 1,153   |
| Rural  | 1.7   | 73.1            | 23.9               | 1.3                                      | 100.0        | 2,960                                       | 2.6   | 67.9            | 28.1               | 1.4                                      | 100.0        | 1,442   |
| <b>Region</b>  |   |                 |                    |  |              |   |   |                 |                    |  |              |   |
| Bangkok  | 4.2   | 75.8            | 19.6               | 0.4                                      | 100.0        | 466   | 8.1   | 74.1            | 14.1               | 3.7                                      | 100.0        | 267   |
| Central  | 2.8   | 74.4            | 21.7               | 1.0                                      | 100.0        | 1,421                                       | 4.3   | 65.6            | 28.8               | 1.3                                      | 100.0        | 735   |
| North  | 2.1   | 77.1            | 19.4               | 1.4                                      | 100.0        | 833   | 2.1   | 74.2            | 19.4               | 4.3                                      | 100.0        | 418   |
| Northeast  | 1.0   | 69.2            | 29.1               | 0.7                                      | 100.0        | 1,661                                       | 2.0   | 62.5            | 34.2               | 1.3                                      | 100.0        | 784   |
| South  | 2.0   | 72.6            | 21.8               | 3.7                                      | 100.0        | 892   | 5.0   | 65.2            | 26.3               | 3.5                                      | 100.0        | 391   |
| <b>Mother's education<sup>A</sup></b>  |   |                 |                    |  |              |   |   |                 |                    |  |              |   |
| Pre-primary or none  | 0.6   | 58.8            | 35.1               | 5.5                                      | 100.0        | 162   | 1.1   | 48.8            | 40.2               | 9.9                                      | 100.0        | 81  |
| Primary  | 1.0   | 69.8            | 27.6               | 1.6                                      | 100.0        | 1,862                                       | 3.1   | 65.8            | 28.3               | 2.8                                      | 100.0        | 1,053   |
| Lower secondary  | 2.1   | 70.5            | 25.6               | 1.8                                      | 100.0        | 1,045                                       | 1.0   | 67.5            | 29.7               | 1.8                                      | 100.0        | 487   |
| Upper secondary  | 2.1   | 76.9            | 20.0               | 1.0                                      | 100.0        | 1,034                                       | 2.7   | 68.5            | 28.3               | 0.6                                      | 100.0        | 450   |
| Higher   | 4.0   | 79.1            | 16.6               | 0.3                                      | 100.0        | 1,170                                       | 6.5   | 73.2            | 19.3               | 1.0                                      | 100.0        | 498   |

Table LN.2.5: Age for grade (continued)

Percent distribution of children attending primary and lower secondary school who are underage, at official age and overage by 1 and by 2 or more years for grade attended, Thailand, 2022

| Grade                                    | Primary school                              |                 |                    |  |       |   | Lower secondary school                      |                 |                    |  |       |   |
|--|---|-----------------|--------------------|--|-------|---|---|-----------------|--------------------|--|-------|---|
|  | Percent of children by grade of attendance: |                 |                    |  |       | Number of children attending primary school | Percent of children by grade of attendance: |                 |                    |  |       | Number of children attending lower secondary school |
|  | Under-age                                   | At official age | Over-age by 1 year | Over-age by 2 or more years <sup>1</sup> | Total |   | Under-age                                   | At official age | Over-age by 1 year | Over-age by 2 or more years <sup>2</sup> | Total |   |
| 1 (primary/lower secondary)              | 2.0   | 73.0            | 24.6               | 0.4                                      | 100.0 | 753   | 2.2   | 68.6            | 26.2               | 3.0                                      | 100.0 | 864   |
| 2 (primary/lower secondary)              | 1.0   | 75.6            | 22.4               | 0.9                                      | 100.0 | 836   | 2.8   | 67.6            | 27.6               | 2.0                                      | 100.0 | 882   |
| 3 (primary/lower secondary)              | 1.5   | 76.7            | 20.7               | 1.1                                      | 100.0 | 900   | 3.2   | 66.4            | 28.1               | 2.3                                      | 100.0 | 822   |
| 4 (primary)                              | 2.3   | 72.8            | 22.4               | 2.5                                      | 100.0 | 996   | na  | na              | na                 | na                                       | na    | na  |
| 5 (primary)                              | 1.8   | 73.6            | 22.8               | 1.9                                      | 100.0 | 975   | na  | na              | na                 | na                                       | na    | na  |
| 6 (primary)                              | 4.0   | 66.1            | 28.8               | 1.1                                      | 100.0 | 813   | na  | na              | na                 | na                                       | na    | na  |
| <b>Native language of household head</b> |   |                 |                    |  |       |   |   |                 |                    |  |       |   |
| Thai                                     | 2.2   | 73.5            | 23.4               | 0.9                                      | 100.0 | 4,804                                       | 3.7   | 67.5            | 26.5               | 2.3                                      | 100.0 | 2,421   |
| Non-Thai                                 | 1.1   | 68.7            | 24.0               | 6.2                                      | 100.0 | 470   | 4.4   | 57.0            | 34.7               | 3.9                                      | 100.0 | 174   |
| <b>Wealth index quintile</b>             |   |                 |                    |  |       |   |   |                 |                    |  |       |   |
| Poorest                                  | 0.8   | 68.4            | 27.8               | 3.0                                      | 100.0 | 1,098                                       | 1.7   | 57.0            | 37.5               | 3.8                                      | 100.0 | 498   |
| Second                                   | 1.9   | 73.1            | 22.8               | 2.3                                      | 100.0 | 1,190                                       | 3.9   | 69.6            | 23.4               | 3.1                                      | 100.0 | 528   |
| Middle                                   | 3.1   | 73.4            | 23.2               | 0.3                                      | 100.0 | 1,085                                       | 2.5   | 71.8            | 22.7               | 2.9                                      | 100.0 | 558   |
| Fourth                                   | 1.5   | 74.4            | 23.4               | 0.6                                      | 100.0 | 977   | 4.6   | 67.9            | 25.5               | 1.9                                      | 100.0 | 486   |
| Richest                                  | 3.4   | 76.5            | 19.8               | 0.3                                      | 100.0 | 923   | 6.0   | 67.1            | 26.8               | 0.1                                      | 100.0 | 525   |

<sup>1</sup> MICS indicator LN.10a - Over-age for grade (Primary)<sup>2</sup> MICS indicator LN.10b - Over-age for grade (Lower secondary)

<sup>A</sup>The disaggregate of mother's education is not available for children age 15-17 years identified as emancipated or those age 18 or higher at the time of interview. The sum of cases in the disaggregate may not equal the total denominator.

na: not applicable

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.

**Table LN.2.6: School attendance among children of upper secondary school age**

Percentage of children of upper secondary school age at the beginning of the school year attending upper secondary school or higher (net attendance rate, adjusted), percentage attending lower secondary school, percentage attending primary school, and percentage out of school, by sex, Thailand, 2022

|  | Male                           |                                  |                          |                            |  | Female                         |                                  |                          |                            |  | Total                                       |                                  |                          |                             |  |
|--|--------------------------------|----------------------------------|--------------------------|----------------------------|--|--------------------------------|----------------------------------|--------------------------|----------------------------|--|---|----------------------------------|--------------------------|-----------------------------|--|
|  | Percentage of children:        |                                  |                          |                            | Number of children of upper secondary school age at beginning of school year | Percentage of children:        |                                  |                          |                            | Number of children of upper secondary school age at beginning of school year | Percentage of children:                     |                                  |                          |                             | Number of children of upper secondary school age at beginning of school year |
|  | Net attendance rate (adjusted) | Attending lower secondary school | Attending primary school | Out of school <sup>A</sup> |  | Net attendance rate (adjusted) | Attending lower secondary school | Attending primary school | Out of school <sup>A</sup> |  | Net attendance rate (adjusted) <sup>1</sup> | Attending lower secondary school | Attending primary school | Out of school <sup>2A</sup> |  |
| <b>Total</b>                           | <b>67.3</b>                    | <b>12.7</b>                      | <b>0.1</b>               | <b>19.9</b>                | <b>1,378</b>   | <b>81.1</b>                    | <b>8.3</b>                       | <b>0.2</b>               | <b>10.6</b>                | <b>1,302</b>   | <b>74.0</b>                                 | <b>10.6</b>                      | <b>0.1</b>               | <b>15.4</b>                 | <b>2,680</b>   |
| <b>Area</b>                            |                                |                                  |                          |                            |  |                                |                                  |                          |                            |  |   |                                  |                          |                             |  |
| Urban                                  | 67.7                           | 14.6                             | 0.2                      | 17.2                       | 686  | 82.0                           | 6.0                              | 0.0                      | 12.1                       | 597  | 74.4  | 10.6                             | 0.1                      | 14.8                        | 1,283  |
| Rural                                  | 66.8                           | 10.8                             | 0.0                      | 22.6                       | 691  | 80.4                           | 10.3                             | 0.3                      | 9.3                        | 706  | 73.7  | 10.6                             | 0.2                      | 15.9                        | 1,397  |
| <b>Region</b>                          |                                |                                  |                          |                            |  |                                |                                  |                          |                            |  |   |                                  |                          |                             |  |
| Bangkok                                | 74.3                           | 6.4                              | 0.0                      | 19.4                       | 165  | 91.6                           | 4.4                              | 0.0                      | 4.0                        | 126  | 81.8  | 5.6                              | 0.0                      | 12.7                        | 292  |
| Central                                | 71.3                           | 12.3                             | 0.2                      | 15.6                       | 401  | 81.1                           | 7.5                              | 0.0                      | 11.9                       | 356  | 75.9  | 10.0                             | 0.1                      | 13.9                        | 756  |
| North                                  | 65.3                           | 13.3                             | 0.0                      | 21.4                       | 215  | 88.4                           | 6.2                              | 0.0                      | 5.9                        | 193  | 76.2  | 9.9                              | 0.0                      | 14.1                        | 408  |
| Northeast                              | 65.6                           | 13.7                             | 0.0                      | 21.2                       | 419  | 77.1                           | 11.0                             | 0.5                      | 11.4                       | 406  | 71.3  | 12.3                             | 0.3                      | 16.4                        | 825  |
| South                                  | 57.9                           | 16.7                             | 0.2                      | 25.4                       | 177  | 76.1                           | 9.1                              | 0.0                      | 14.8                       | 221  | 68.0  | 12.5                             | 0.1                      | 19.5                        | 399  |
| <b>Age at beginning of school year</b> |                                |                                  |                          |                            |  |                                |                                  |                          |                            |  |   |                                  |                          |                             |  |
| 15                                     | 56.1                           | 30.6                             | 0.1                      | 12.6                       | 480  | 69.7                           | 22.2                             | 0.2                      | 7.8                        | 446  | 62.7  | 26.5                             | 0.2                      | 10.3                        | 926  |
| 16                                     | 70.3                           | 2.8                              | 0.1                      | 26.9                       | 462  | 91.0                           | 1.1                              | 0.0                      | 8.0                        | 447  | 80.5  | 2.0                              | 0.0                      | 17.6                        | 909  |
| 17                                     | 76.4                           | 3.6                              | 0.0                      | 20.7                       | 435  | 82.7                           | 1.1                              | 0.3                      | 16.4                       | 409  | 79.5  | 2.4                              | 0.1                      | 18.6                        | 844  |
| <b>Mother's education<sup>B</sup></b>  |                                |                                  |                          |                            |  |                                |                                  |                          |                            |  |   |                                  |                          |                             |  |
| Pre-primary or none                    | 54.6                           | 23.0                             | 0.1                      | 22.3                       | 46   | 82.9                           | 2.8                              | 0.0                      | 15.2                       | 25   | 64.5  | 16.0                             | 0.0                      | 19.8                        | 71   |
| Primary                                | 51.0                           | 16.5                             | 0.1                      | 32.4                       | 505  | 75.6                           | 8.3                              | 0.2                      | 16.1                       | 542  | 63.8  | 12.3                             | 0.1                      | 23.9                        | 1,047  |
| Lower secondary                        | 76.0                           | 7.7                              | 0.0                      | 16.8                       | 235  | 80.1                           | 17.2                             | 0.0                      | 2.9                        | 196  | 77.8  | 12.0                             | 0.0                      | 10.5                        | 431  |
| Upper secondary                        | 72.6                           | 15.0                             | 0.3                      | 12.2                       | 235  | 85.1                           | 9.5                              | 0.0                      | 5.4                        | 199  | 78.3  | 12.4                             | 0.1                      | 9.1                         | 434  |
| Higher                                 | 91.2                           | 8.0                              | 0.0                      | 0.8                        | 228  | 94.6                           | 5.1                              | 0.0                      | 0.3                        | 184  | 92.7  | 6.7                              | 0.0                      | 0.6                         | 412  |

**Table LN.2.6: School attendance among children of upper secondary school age (continued)**

Percentage of children of upper secondary school age at the beginning of the school year attending upper secondary school or higher (net attendance rate, adjusted), percentage attending lower secondary school, percentage attending primary school, and percentage out of school, by sex, Thailand, 2022

|  | Male                           |                                  |                          |                            |  | Female                         |                                  |                          |                            |  | Total                                       |                                  |                          |                             |  |
|--|--------------------------------|----------------------------------|--------------------------|----------------------------|--|--------------------------------|----------------------------------|--------------------------|----------------------------|--|---|----------------------------------|--------------------------|-----------------------------|--|
|  | Percentage of children:        |                                  |                          |                            | Number of children of upper secondary school age at beginning of school year | Percentage of children:        |                                  |                          |                            | Number of children of upper secondary school age at beginning of school year | Percentage of children:                     |                                  |                          |                             | Number of children of upper secondary school age at beginning of school year |
|  | Net attendance rate (adjusted) | Attending lower secondary school | Attending primary school | Out of school <sup>A</sup> |  | Net attendance rate (adjusted) | Attending lower secondary school | Attending primary school | Out of school <sup>A</sup> |  | Net attendance rate (adjusted) <sup>1</sup> | Attending lower secondary school | Attending primary school | Out of school <sup>2A</sup> |  |
| <b>Native language of household head</b>   |                                |                                  |                          |                            |  |                                |                                  |                          |                            |  |   |                                  |                          |                             |  |
| Thai   | 69.4                           | 12.6                             | 0.1                      | 17.9                       | 1,290  | 81.2                           | 8.3                              | 0.2                      | 10.5                       | 1,207  | 75.1  | 10.5                             | 0.1                      | 14.3                        | 2,496  |
| Non-Thai   | 36.4                           | 14.3                             | 0.0                      | 49.7                       | 88   | 79.6                           | 9.4                              | 0.0                      | 11.3                       | 96   | 58.9  | 11.7                             | 0.0                      | 29.7                        | 183  |
| <b>Wealth index quintile</b>   |                                |                                  |                          |                            |  |                                |                                  |                          |                            |  |   |                                  |                          |                             |  |
| Poorest  | 50.6                           | 13.5                             | 0.0                      | 35.5                       | 284  | 61.7                           | 15.6                             | 0.8                      | 21.9                       | 258  | 55.9  | 14.5                             | 0.4                      | 29.0                        | 542  |
| Second   | 57.3                           | 15.3                             | 0.0                      | 27.6                       | 248  | 83.7                           | 6.7                              | 0.0                      | 9.7                        | 302  | 71.8  | 10.5                             | 0.0                      | 17.8                        | 550  |
| Middle   | 67.3                           | 14.2                             | 0.4                      | 18.3                       | 268  | 82.2                           | 8.7                              | 0.0                      | 9.5                        | 230  | 74.2  | 11.7                             | 0.2                      | 14.2                        | 498  |
| Fourth   | 74.8                           | 7.3                              | 0.0                      | 18.2                       | 282  | 83.3                           | 7.5                              | 0.0                      | 9.8                        | 254  | 78.8  | 7.4                              | 0.0                      | 14.2                        | 536  |
| Richest  | 84.5                           | 13.7                             | 0.0                      | 1.8                        | 296  | 94.4                           | 3.6                              | 0.0                      | 2.0                        | 257  | 89.1  | 9.0                              | 0.0                      | 1.9                         | 554  |
| <sup>1</sup> MICS indicator LN.5c - Upper secondary school net attendance rate (adjusted)  |                                |                                  |                          |                            |  |                                |                                  |                          |                            |  |   |                                  |                          |                             |  |
| <sup>2</sup> MICS indicator LN.6c - Out-of-school rate for youth of upper secondary school age   |                                |                                  |                          |                            |  |                                |                                  |                          |                            |  |   |                                  |                          |                             |  |
| <sup>A</sup> The percentage of children of upper secondary school age out of school are those not attending any level of education.<br><sup>B</sup> The disaggregate of mother's education is not available for children age 15-17 years identified as emancipated or those age 18 at the time of interview. The sum of cases in the disaggregate may not equal the total denominator.<br>Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases. |                                |                                  |                          |                            |  |                                |                                  |                          |                            |  |   |                                  |                          |                             |  |

**Table LN.2.7: Gross intake, completion and effective transition rates**

Gross intake ratio and completion rate for primary school, effective transition rate to lower secondary school, gross intake ratio and completion rate for lower secondary school and completion rate for upper secondary school, Thailand, 2022

|                                       | Gross intake rate to the last grade of primary school <sup>1</sup> | Number of children of primary school completion age at beginning of school year | Primary school completion rate <sup>2</sup> | Number of children age 14-16 years at beginning of school year <sup>A</sup> | Effective transition rate to lower secondary school <sup>3</sup> | Number of children who were in the last grade of primary school the previous year and are not repeating that grade in the current school year | Gross intake ratio to the last grade of lower secondary school <sup>4</sup> | Number of children of lower secondary school completion age at beginning of school year | Lower secondary completion rate <sup>5</sup> | Number of adolescents age 17-19 years at beginning of school year <sup>A</sup> | Upper secondary completion rate <sup>6</sup> | Number of youth age 20-22 years at beginning of school year <sup>A</sup> |
|---------------------------------------|--|---|---|---|--|---|---|---|--|--|--|--|
| <b>Total</b>                          | <b>99.0</b>  | <b>821</b>  | <b>98.6</b>                                 | <b>2,742</b>  | <b>95.2</b>  | <b>891</b>  | <b>90.7</b>   | <b>906</b>  | <b>88.7</b>                                  | <b>2,310</b>   | <b>69.6</b>                                  | <b>2,142</b>   |
| <b>Sex</b>                            |  |   |   |   |  |   |   |   |  |  |  |  |
| Male                                  | 96.9   | 408   | 97.7  | 1,413   | 95.6   | 471   | 93.4  | 471   | 85.4   | 1,238  | 64.1   | 1,158  |
| Female                                | 101.2  | 413   | 99.6  | 1,329   | 94.7   | 421   | 87.8  | 435   | 92.6   | 1,072  | 76.0   | 984  |
| <b>Area</b>                           |  |   |   |   |  |   |   |   |  |  |  |  |
| Urban                                 | 93.8   | 390   | 99.3  | 1,270   | 96.3   | 399   | 92.6  | 380   | 89.7   | 1,087  | 73.8   | 1,227  |
| Rural                                 | 103.8  | 430   | 98.1  | 1,472   | 94.2   | 492   | 89.4  | 526   | 87.9   | 1,223  | 63.9   | 915  |
| <b>Region</b>                         |  |   |   |   |  |   |   |   |  |  |  |  |
| Bangkok                               | 94.3   | 88  | 100.0                                       | 274   | 95.8   | 110   | 83.0  | 94  | 93.3   | 334  | 79.7   | 403  |
| Central                               | 104.4  | 186   | 98.7  | 796   | 97.0   | 234   | 90.7  | 269   | 89.5   | 664  | 70.8   | 718  |
| North                                 | 85.1   | 133   | 98.2  | 412   | 97.0   | 130   | 80.4  | 146   | 88.9   | 355  | 63.4   | 249  |
| Northeast                             | 101.6  | 267   | 98.9  | 822   | 93.4   | 295   | 97.1  | 244   | 90.9   | 647  | 65.3   | 463  |
| South                                 | 103.2  | 147   | 97.4  | 438   | 93.3   | 122   | 95.2  | 154   | 77.6   | 311  | 65.1   | 309  |
| <b>Mother's education<sup>B</sup></b> |  |   |   |   |  |   |   |   |  |  |  |  |
| Pre-primary or none                   | 68.0   | 37  | 93.3  | 88  | 98.3   | 29  | 54.0  | 37  | (79.6)                                       | 20   | na   | na   |
| Primary                               | 107.6  | 307   | 98.1  | 1,200   | 93.6   | 335   | 96.0  | 409   | 88.3   | 256  | na   | na   |
| Lower secondary                       | 103.8  | 154   | 99.1  | 448   | 94.5   | 189   | 82.2  | 162   | 93.4   | 145  | na   | na   |
| Upper secondary                       | 87.7   | 191   | 99.6  | 474   | 95.4   | 180   | 106.3   | 128   | 96.8   | 88   | na   | na   |
| Higher                                | 97.7   | 132   | 99.9  | 478   | 99.2   | 157   | 77.5  | 168   | 100.0  | 101  | na   | na   |

**Table LN.2.7: Gross intake, completion and effective transition rates (continued)**

Gross intake ratio and completion rate for primary school, effective transition rate to lower secondary school, gross intake ratio and completion rate for lower secondary school and completion rate for upper secondary school, Thailand, 2022

|  | Gross intake ratio to the last grade of primary school <sup>1</sup> | Number of children of primary school completion age at beginning of school year | Primary school completion rate <sup>2</sup> | Number of children age 14-16 years at beginning of school year <sup>A</sup> | Effective transition rate to lower secondary school <sup>3</sup> | Number of children who were in the last grade of primary school the previous year and are not repeating that grade in the current school year | Gross intake ratio to the last grade of lower secondary school <sup>4</sup> | Number of children of lower secondary school completion age at beginning of school year | Lower secondary completion rate <sup>5</sup> | Number of adolescents age 17-19 years at beginning of school year <sup>A</sup> | Upper secondary completion rate <sup>6</sup> | Number of youth age 20-22 years at beginning of school year <sup>A</sup> |
|--|---|---|---|---|--|---|---|---|--|--|--|--|
| <b>Native language of household head</b> |   |   |   |   |  |   |   |   |  |  |  |  |
| Thai                                     | 99.8  | 748   | 99.2  | 2,566   | 95.1   | 824   | 91.4  | 847   | 90.0   | 2,136  | 73.4   | 1,954  |
| Non-Thai                                 | 91.4  | 73  | 90.5  | 176   | 96.1   | 67  | 80.6  | 59  | 73.6   | 174  | 29.7   | 188  |
| <b>Wealth index quintile</b>             |   |   |   |   |  |   |   |   |  |  |  |  |
| Poorest                                  | 99.5  | 179   | 96.7  | 582   | 93.9   | 181   | 82.1  | 186   | 77.6   | 442  | 41.6   | 415  |
| Second                                   | 99.1  | 194   | 98.2  | 564   | 90.8   | 186   | 93.9  | 192   | 86.0   | 516  | 62.3   | 515  |
| Middle                                   | 110.3   | 154   | 98.9  | 501   | 98.3   | 187   | 90.5  | 179   | 90.5   | 490  | 73.8   | 449  |
| Fourth                                   | 97.4  | 147   | 99.5  | 551   | 95.7   | 167   | 96.3  | 169   | 90.4   | 392  | 77.5   | 367  |
| Richest                                  | 88.4  | 147   | 100.0                                       | 545   | 97.2   | 171   | 91.3  | 180   | 99.1   | 469  | 96.3   | 396  |

<sup>1</sup> MICS indicator LN.7a - Gross intake ratio to the last grade (Primary)<sup>2</sup> MICS indicator LN.8a - Completion rate (Primary)<sup>3</sup> MICS indicator LN.9 - Effective transition rate to lower secondary school<sup>4</sup> MICS indicator LN.7b - Gross intake ratio to the last grade (Lower secondary)<sup>5</sup> MICS indicator LN.8b - Completion rate (Lower secondary)<sup>6</sup> MICS indicator LN.8c - Completion rate (Upper secondary)<sup>A</sup> Total number of children age 3-5 years above the intended age for the last grade, for primary, lower and upper secondary, respectively.<sup>B</sup> The disaggregate of mother's education is not available for children age 15-17 years identified as emancipated or those age 18 or higher at the time of interview. The sum of cases in the disaggregate may not equal the total denominator.

na: not applicable

( ) Figures that are based on 25-49 unweighted cases.

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.



| Table LN.2.8: Parity indices   |   |  |  |  |   |  |  |  |   |  |  |  |
|--|---|--|--|--|---|--|--|--|---|--|--|--|
| Ratio of adjusted net attendance rates of girls to boys, in primary, lower and upper secondary school, and additional parity indices, Thailand, 2022 |   |  |  |  |   |  |  |  |   |  |  |  |
|  | Primary school  |  |  |  | Lower secondary school  |  |  |  | Upper secondary school  |  |  |  |
|  | Primary school adjusted net attendance rate (ANAR), girls | Primary school adjusted net attendance rate (ANAR), boys | Primary school adjusted net attendance rate (ANAR), total <sup>1,2</sup> | Gender parity index (GPI) for primary school ANAR <sup>3</sup> | Lower secondary school adjusted net attendance rate (ANAR), girls | Lower secondary school adjusted net attendance rate (ANAR), boys | Lower secondary school adjusted net attendance rate (ANAR), total <sup>1,2</sup> | Gender parity index (GPI) for lower secondary school ANAR <sup>3</sup> | Upper secondary school adjusted net attendance rate (ANAR), girls | Upper secondary school adjusted net attendance rate (ANAR), boys | Upper secondary school adjusted net attendance rate (ANAR), total <sup>1,2</sup> | Gender parity index (GPI) for upper secondary school ANAR <sup>3</sup> |
| <b>Total<sup>3</sup></b>   | <b>93.4</b>   | <b>93.5</b>  | <b>93.5</b>  | <b>1.00</b>  | <b>86.3</b>   | <b>83.5</b>  | <b>84.9</b>  | <b>1.03</b>  | <b>81.1</b>   | <b>67.3</b>  | <b>74.0</b>  | <b>1.21</b>  |
| <b>Area</b>  |   |  |  |  |   |  |  |  |   |  |  |  |
| Urban  | 94.4  | 94.2   | 94.3   | 1.00   | 89.1  | 83.0   | 86.0   | 1.07   | 82.0  | 67.7   | 74.4   | 1.21   |
| Rural  | 92.6  | 92.9   | 92.8   | 1.00   | 84.1  | 83.9   | 84.0   | 1.00   | 80.4  | 66.8   | 73.7   | 1.20   |
| <b>Region</b>  |   |  |  |  |   |  |  |  |   |  |  |  |
| Bangkok  | 94.3  | 96.7   | 95.5   | 0.98   | 94.9  | 87.6   | 91.0   | 1.08   | 91.6  | 74.3   | 81.8   | 1.23   |
| Central  | 95.3  | 94.8   | 95.0   | 1.01   | 90.7  | 82.9   | 86.4   | 1.09   | 81.1  | 71.3   | 75.9   | 1.14   |
| North  | 93.6  | 95.9   | 94.7   | 0.98   | 88.3  | 88.6   | 88.5   | 1.00   | 88.4  | 65.3   | 76.2   | 1.35   |
| Northeast  | 91.1  | 90.7   | 90.9   | 1.00   | 80.2  | 83.5   | 82.0   | 0.96   | 77.1  | 65.6   | 71.3   | 1.18   |
| South  | 94.2  | 92.8   | 93.5   | 1.01   | 82.8  | 77.0   | 80.1   | 1.08   | 76.1  | 57.9   | 68.0   | 1.31   |
| <b>Mother's education<sup>A</sup></b>  |   |  |  |  |   |  |  |  |   |  |  |  |
| Pre-primary or none  | 83.1  | 83.6   | 83.4   | 0.99   | 77.9  | 74.0   | 75.9   | 1.05   | 82.9  | 54.6   | 64.5   | 1.52   |
| Primary  | 90.6  | 92.0   | 91.4   | 0.98   | 82.7  | 80.8   | 81.7   | 1.02   | 75.6  | 51.0   | 63.8   | 1.48   |
| Lower secondary  | 95.3  | 94.0   | 94.7   | 1.01   | 86.8  | 76.5   | 81.4   | 1.13   | 80.1  | 76.0   | 77.8   | 1.05   |
| Upper secondary  | 96.1  | 96.2   | 96.2   | 1.00   | 88.6  | 89.4   | 89.0   | 0.99   | 85.1  | 72.6   | 78.3   | 1.17   |
| Higher   | 95.4  | 94.3   | 94.9   | 1.01   | 94.7  | 92.9   | 93.7   | 1.02   | 94.6  | 91.2   | 92.7   | 1.04   |
| <b>Native language of household head</b>   |   |  |  |  |   |  |  |  |   |  |  |  |
| Thai   | 93.6  | 93.6   | 93.6   | 1.00   | 87.8  | 83.7   | 85.6   | 1.05   | 81.2  | 69.4   | 75.1   | 1.17   |
| Non-Thai   | 91.6  | 92.2   | 91.9   | 0.99   | 72.3  | 80.6   | 75.6   | 0.90   | 79.6  | 36.4   | 58.9   | 2.19   |

Table LN.2.8: Parity indices (continued)

Ratio of adjusted net attendance rates of girls to boys, in primary, lower and upper secondary school, and additional parity indices, Thailand, 2022

|   | Primary school  |  |  |  | Lower secondary school  |  |  |  | Upper secondary school  |  |  |  |
|---|---|--|--|--|---|--|--|--|---|--|--|--|
|   | Primary school adjusted net attendance rate (ANAR), girls | Primary school adjusted net attendance rate (ANAR), boys | Primary school adjusted net attendance rate (ANAR), total <sup>1,2</sup> | Gender parity index (GPI) for primary school ANAR <sup>3</sup> | Lower secondary school adjusted net attendance rate (ANAR), girls | Lower secondary school adjusted net attendance rate (ANAR), boys | Lower secondary school adjusted net attendance rate (ANAR), total <sup>1,2</sup> | Gender parity index (GPI) for lower secondary school ANAR <sup>3</sup> | Upper secondary school adjusted net attendance rate (ANAR), girls | Upper secondary school adjusted net attendance rate (ANAR), boys | Upper secondary school adjusted net attendance rate (ANAR), total <sup>1,2</sup> | Gender parity index (GPI) for upper secondary school ANAR <sup>3</sup> |
| <b>Wealth index quintile</b>  |   |  |  |  |   |  |  |  |   |  |  |  |
| Poorest   | 91.7  | 92.0   | 91.8   | 1.00   | 76.2  | 75.2   | 75.7   | 1.01   | 61.7  | 50.6   | 55.9   | 1.22   |
| Second  | 92.4  | 93.0   | 92.8   | 0.99   | 86.7  | 73.4   | 80.0   | 1.18   | 83.7  | 57.3   | 71.8   | 1.46   |
| Middle  | 94.6  | 96.1   | 95.3   | 0.98   | 88.2  | 88.4   | 88.3   | 1.00   | 82.2  | 67.3   | 74.2   | 1.22   |
| Fourth  | 91.8  | 91.2   | 91.5   | 1.01   | 86.8  | 90.0   | 88.8   | 0.96   | 83.3  | 74.8   | 78.8   | 1.11   |
| Richest   | 96.6  | 96.0   | 96.3   | 1.01   | 94.4  | 90.6   | 92.4   | 1.04   | 94.4  | 84.5   | 89.1   | 1.12   |
| <b>Parity indices</b>   |   |  |  |  |   |  |  |  |   |  |  |  |
| Wealth  |   |  |  |  |   |  |  |  |   |  |  |  |
| Poorest/Richest <sup>1</sup>  | 0.95  | 0.96   | 0.95   | na   | 0.81  | 0.83   | 0.82   | na   | 0.65  | 0.60   | 0.63   | na   |
| Area  |   |  |  |  |   |  |  |  |   |  |  |  |
| Rural/Urban <sup>2</sup>  | 0.98  | 0.99   | 0.98   | na   | 0.94  | 1.01   | 0.98   | na   | 0.98  | 0.99   | 0.99   | na   |
| <sup>1</sup> MICS indicator LN.11b - Parity indices - primary, lower and upper secondary attendance (wealth); SDG indicator 4.5.1   |   |  |  |  |   |  |  |  |   |  |  |  |
| <sup>2</sup> MICS indicator LN.11c - Parity indices - primary, lower and upper secondary attendance (area); SDG indicator 4.5.1   |   |  |  |  |   |  |  |  |   |  |  |  |
| <sup>3</sup> MICS indicator LN.11a - Parity indices - primary, lower and upper secondary attendance (gender); SDG indicator 4.5.1   |   |  |  |  |   |  |  |  |   |  |  |  |
| ^The disaggregate of mother's education is not available for children age 15-17 years identified as emancipated or those age 18 or higher at the time of interview. The sum of cases in the disaggregate may not equal the total denominator. |   |  |  |  |   |  |  |  |   |  |  |  |
| na: not applicable  |   |  |  |  |   |  |  |  |   |  |  |  |
| Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.  |   |  |  |  |   |  |  |  |   |  |  |  |

### 7.3 PARENTAL INVOLVEMENT

Parental involvement in their children's education is widely accepted to have a positive effect on their child's learning performance. For instance, reading activities at home have significant positive influences on reading achievement, language comprehension and expressive language skills.<sup>11</sup> Research also shows that parental involvement in their child's literacy practices is a positive long-term predictor of later educational attainment.<sup>12</sup>

Beyond learning activities at home, parental involvement that occurs in school (like participating in school meetings, talking with teachers, attending school meetings and volunteering in schools) can also benefit a student's performance.<sup>13</sup> Research studies have shown that, in the primary school age range, the impact of parental involvement in school activities can even be much bigger than differences associated with variations in the quality of schools, regardless of social class and ethnic group.<sup>14</sup>

The PR module included in the Questionnaire for children age 5-14 years was developed and tested for inclusion in MICS6. The work is described in detail in MICS Methodological Papers, No. 5.<sup>15</sup>

Table LN.3.1 presents percentages of children age 7-14 years for whom an adult household member received a report card and was involved in school management and school activities in the last year, including discussion with teachers on children's progress and children's behaviour.

In Table LN.3.2 reason for children unable to attend class due to teacher absenteeism is presented.

Lastly, Table LN.3.3 shows learning environment at home, i.e., percentage of children with 3 or more books to read, percentage of children who have homework, percentage whose teachers teach in the language that the child speaks at home, and percentage of children who receive help with homework.

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<sup>11</sup> Gest, D. et al. "Shared Book Reading and Children's Language Comprehension Skills: The Moderating Role of Parental Discipline Practices." *Early Childhood Research Quarterly* 19, no. 2 (2004): 319-36. doi:10.1016/j.ecresq.2004.04.007.

<sup>12</sup> Fluori, E. and A. Buchanan. "Early Father's and Mother's Involvement and Child's Later Educational Outcomes." *Educational Psychology* 74, no. 2 (2004): 141-53. doi:10.1348/000709904773839806.

<sup>13</sup> Pomerantz, M., E. Moorman and S. Litwack. "The How, Whom, and Why of Parents' Involvement in Children's Academic Lives: More Is Not Always Better." *Review of Educational Research* 77, no. 3 (2007): 373-410. doi:10.3102/003465430305567.

<sup>14</sup> Desforges, C. and A. Abouchar. *The Impact of Parental Involvement, Parental Support and Family Education on Pupil Achievements and Adjustment: A Literature Review*. Research report. Nottingham: Queen's Printer, 2003. [https://www.nationalnumeracy.org.uk/sites/default/files/the\\_impact\\_of\\_parental\\_involvement.pdf](https://www.nationalnumeracy.org.uk/sites/default/files/the_impact_of_parental_involvement.pdf).

<sup>15</sup> Hattori, H., M. Cardoso and B. Ledoux. *Collecting data on foundational learning skills and parental involvement in education*. MICS Methodological Papers. New York: UNICEF, 2017.

<http://mics.unicef.org/files?job=W1siZiIsIjIwMTcvMDYvMTUvMTYvMjcvMDAvNzIxL01JQ1NfTWV0aG9kb2xvZ2ljYWxfUGFwZXJfNS5wZGYiXV0&sha=39f5c31dbb91df26>.



**Table LN.3.1: Parental involvement in school (continued)**

Percentage of children age 7-14 years attending school and, among those, percentage of children for whom an adult member of the household received a report card for the child, and involvement of adults in school management and school activities in the last year, Thailand, 2022

|                                     | Percentage of children attending school <sup>A</sup> | Number of children age 7-14 | Percentage of children for whom an adult household member in the last year received a report card for the child <sup>1</sup> | Involvement by adult in school management in last year   |  |  | Involvement by adult in school activities in last year |  |   |  | Number of children age 7-14 years attending school <sup>C</sup> |
|-------------------------------------|--|-----------------------------|--|--|--|--|--|--|---|--|---|
|                                     |  |                             |  | School has a governing body open to parents <sup>2</sup> | Attended meeting called by governing body <sup>3</sup> | A meeting discussed key education/ financial issues <sup>4</sup> | Attended school celebration or a sport event           | Met with teachers to discuss child's progress <sup>5</sup> | Met with teachers to discuss child's behaviour <sup>6</sup> | Met with teachers to discuss on how to organize learning during COVID-19 |   |
| <b>Mother's education</b>           |  |                             |  |  |  |  |  |  |   |  |   |
| Pre-primary or none                 | 90.7   | 368                         | 88.8   | 80.5   | 59.0   | 53.6   | 42.0   | 71.3   | 68.2  | 74.3   | 330   |
| Primary                             | 94.3   | 4,186                       | 91.6   | 77.0   | 54.4   | 49.7   | 48.0   | 74.5   | 72.4  | 74.5   | 3,882   |
| Lower secondary                     | 95.5   | 2,307                       | 94.5   | 78.3   | 60.2   | 53.3   | 44.5   | 81.5   | 78.8  | 81.6   | 2,174   |
| Upper secondary                     | 96.5   | 2,111                       | 92.2   | 76.8   | 59.6   | 55.7   | 46.1   | 81.1   | 78.0  | 85.2   | 2,021   |
| Higher                              | 97.6   | 2,346                       | 96.0   | 83.1   | 67.3   | 62.5   | 47.2   | 85.2   | 79.6  | 86.1   | 2,259   |
| <b>Native language of household</b> |  |                             |  |  |  |  |  |  |   |  |   |
| Thai                                | 95.5   | 10,382                      | 93.0   | 78.9   | 58.9   | 53.9   | 44.1   | 79.9   | 77.0  | 80.7   | 9,790   |
| Non-Thai                            | 95.0   | 938                         | 95.2   | 75.5   | 65.5   | 59.6   | 74.4   | 73.8   | 67.1  | 77.4   | 877   |
| <b>Wealth index quintile</b>        |  |                             |  |  |  |  |  |  |   |  |   |
| Poorest                             | 93.3   | 2,350                       | 87.7   | 75.8   | 49.4   | 45.7   | 53.8   | 70.6   | 69.3  | 69.9   | 2,171   |
| Second                              | 93.8   | 2,486                       | 93.4   | 81.4   | 62.2   | 56.7   | 49.0   | 76.8   | 75.1  | 80.3   | 2,291   |
| Middle                              | 96.9   | 2,346                       | 93.6   | 75.3   | 58.2   | 53.4   | 43.3   | 82.8   | 78.8  | 82.0   | 2,232   |
| Fourth                              | 95.3   | 2,107                       | 96.6   | 77.9   | 60.5   | 54.1   | 43.9   | 81.3   | 78.9  | 84.2   | 1,990   |
| Richest                             | 98.6   | 2,031                       | 94.9   | 82.9   | 67.6   | 62.8   | 42.0   | 86.1   | 79.1  | 86.5   | 1,983   |

<sup>1</sup> MICS indicator LN.12 - Availability of information on children's school performance

<sup>2</sup> MICS indicator LN.13 - Opportunity to participate in school management

<sup>3</sup> MICS indicator LN.14: Participation in school management

<sup>4</sup> MICS indicator LN.15 - Effective participation in school management

<sup>5</sup> MICS indicator LN.16 - Discussion with teachers regarding children's progress

<sup>6</sup> TH indicator LN.S1 - Discussion with teachers regarding children's behaviour

<sup>A</sup> As eligibility for the Parental Involvement and Foundational Learning Skills modules was determined based on age at time of interview (age 7-14 years), the disaggregate of Age at beginning of school year inevitably presents children who were age 6 years at the beginning of the school year.

<sup>B</sup> Attendance to school here is not directly comparable to adjusted net attendance rates reported in preceding tables, which utilise information on all children in the sample. This and subsequent tables present results of the Parental Involvement and Foundational Learning Skills modules administered to mothers or caretakers of a randomly selected subsample of children age 7-14 years.

<sup>C</sup> Excludes non-formal education and home school

na: not applicable

(\*) Figures that are based on less than 25 unweighted cases

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.

**Table LN.3.2: Inability to attend class due to teacher absence**

Percentage of children age 7-14 years not able to attend class due to absence of teacher, and percentage of adult household members contacting school officials or governing body representatives on instances of teacher absence, Thailand, 2022

|  | Percentage of children who in the last year could not attend class due to absence of teacher | Number of children age 7-14 years attending school | Percentage of adult household members contacting school officials or governing body representatives on instances of teacher absence <sup>1</sup> | Number of children age 7-14 years who could not attend class in the last year due to teacher absence |
|--|--|--|--|--|
| <b>Total<sup>A</sup></b>               | <b>11.3</b>  | <b>10,667</b>                                      | <b>59.7</b>  | <b>1,206</b>   |
| <b>Sex</b>                             |  |  |  |  |
| Male                                   | 12.2   | 5,449  | 60.3   | 664  |
| Female                                 | 10.4   | 5,218  | 59.0   | 542  |
| <b>Area</b>                            |  |  |  |  |
| Urban                                  | 10.7   | 4,626  | 61.7   | 497  |
| Rural                                  | 11.7   | 6,040  | 58.3   | 709  |
| <b>Region</b>                          |  |  |  |  |
| Bangkok                                | 11.8   | 968  | 54.5   | 114  |
| Central                                | 11.4   | 2,860  | 66.2   | 327  |
| North                                  | 7.1  | 1,746  | 55.0   | 123  |
| Northeast                              | 11.9   | 3,341  | 54.6   | 396  |
| South                                  | 14.1   | 1,752  | 64.1   | 247  |
| <b>Age at beginning of school year</b> |  |  |  |  |
| 6 <sup>B</sup>                         | 10.9   | 294  | (74.1)   | 32   |
| 7                                      | 12.5   | 1,331  | 66.7   | 166  |
| 8                                      | 11.8   | 1,431  | 70.0   | 168  |
| 9                                      | 9.5  | 1,379  | 71.7   | 131  |
| 10                                     | 8.8  | 1,471  | 47.0   | 130  |
| 11                                     | 11.9   | 1,217  | 54.5   | 145  |
| 12                                     | 13.8   | 1,335  | 53.3   | 184  |
| 13                                     | 8.2  | 1,272  | 42.9   | 104  |
| 14                                     | 15.5   | 938  | 62.4   | 145  |
| <b>School attendance</b>               |  |  |  |  |
| Early childhood education              | (*)  | 10   | –  | 0  |
| Primary                                | 10.9   | 7,463  | 64.1   | 813  |
| Lower secondary                        | 12.1   | 3,161  | 49.1   | 381  |
| Upper secondary                        | (*)  | 33   | (*)  | 12   |

**Table LN.3.2: Inability to attend class due to teacher absence (continued)**

Percentage of children age 7-14 years not able to attend class due to absence of teacher, and percentage of adult household members contacting school officials or governing body representatives on instances of teacher absence, Thailand, 2022

|  | Percentage of children who in the last year could not attend class due to absence of teacher | Number of children age 7-14 years attending school | Percentage of adult household members contacting school officials or governing body representatives on instances of teacher absence <sup>1</sup> | Number of children age 7-14 years who could not attend class in the last year due to teacher absence |
|--|--|--|--|--|
| <b>Mother's education</b>                |  |  |  |  |
| Pre-primary or none                      | 9.5  | 330  | (62.4)   | 32   |
| Primary                                  | 9.5  | 3,882  | 58.9   | 368  |
| Lower secondary                          | 14.6   | 2,174  | 48.5   | 318  |
| Upper secondary                          | 10.7   | 2,021  | 62.0   | 217  |
| Higher                                   | 12.1   | 2,259  | 71.8   | 272  |
| <b>Native language of household head</b> |  |  |  |  |
| Thai                                     | 11.6   | 9,790  | 59.6   | 1,136  |
| Non-Thai                                 | 8.0  | 877  | 62.3   | 70   |
| <b>Wealth index quintile</b>             |  |  |  |  |
| Poorest                                  | 7.8  | 2,171  | 35.5   | 169  |
| Second                                   | 11.6   | 2,291  | 69.4   | 266  |
| Middle                                   | 10.7   | 2,232  | 58.9   | 240  |
| Fourth                                   | 15.4   | 1,990  | 57.5   | 307  |
| Richest                                  | 11.3   | 1,983  | 70.4   | 225  |

<sup>1</sup> MICS indicator LN.17 - Contact with school concerning teacher absence

<sup>A</sup> Excludes non-formal education and home school

<sup>B</sup> As eligibility for the Parental Involvement and Foundational Learning Skills modules was determined based on age at time of interview (age 7-14 years), the disaggregate of Age at beginning of school year inevitably presents children who were age 6 years at the beginning of the school year.

'-' denotes 0 unweighted case in the denominator.

( ) Figures that are based on 25-49 unweighted cases.

(\*) Figures that are based on less than 25 unweighted cases.

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.

**Table LN.3.3: Learning environment at home**

Percentage of children age 7-14 years<sup>A</sup> with 3 or more books to read and percentage who read or are read to at home, percentage of children age 7-14 years attending school who have homework and percentage who at home speak the language that teachers use at school, and percentage of children age 7-14 years attending school and having homework who receive help with homework, Thailand, 2022

|  | Percentage of children with 3 or more books to read at home <sup>1</sup> | Number of children age 7-14 years | Percentage of children who read books or are read to at home <sup>2</sup> | Number of children age 7-14 years | Percentage of children who have homework | Number of children age 7-14 years attending school <sup>C</sup> | Percentage of children who at home use the language also used by teachers at school <sup>3</sup> | Number of children age 7-14 years attending school <sup>C</sup> | Percentage of children who receive help with homework <sup>4</sup> | Number of children age 7-14 attending school and have homework <sup>C</sup> |
|--|--|-----------------------------------|---|-----------------------------------|--|---|--|---|--|---|
| <b>Total</b>                           | <b>40.0</b>  | <b>11,320</b>                     | <b>90.6</b>   | <b>11,030</b>                     | <b>96.6</b>                              | <b>10,667</b>   | <b>95.7</b>  | <b>10,425</b>   | <b>75.4</b>  | <b>10,305</b>   |
| <b>Sex</b>                             |  |                                   |   |                                   |  |   |  |   |  |   |
| Male                                   | 36.5   | 5,819                             | 88.5  | 5,632                             | 96.3                                     | 5,449   | 95.5   | 5,297   | 74.2   | 5,248   |
| Female                                 | 43.7   | 5,500                             | 92.7  | 5,399                             | 96.9                                     | 5,218   | 95.9   | 5,128   | 76.6   | 5,057   |
| <b>Area</b>                            |  |                                   |   |                                   |  |   |  |   |  |   |
| Urban                                  | 48.4   | 4,854                             | 92.5  | 4,671                             | 97.6                                     | 4,626   | 98.1   | 4,470   | 76.4   | 4,514   |
| Rural                                  | 33.6   | 6,465                             | 89.2  | 6,359                             | 95.9                                     | 6,040   | 93.9   | 5,955   | 74.6   | 5,791   |
| <b>Region</b>                          |  |                                   |   |                                   |  |   |  |   |  |   |
| Bangkok                                | 63.5   | 1,013                             | 95.0  | 978                               | 98.5                                     | 968   | 98.7   | 935   | 79.3   | 953   |
| Central                                | 43.1   | 2,994                             | 90.7  | 2,895                             | 96.8                                     | 2,860   | 98.7   | 2,776   | 75.4   | 2,768   |
| North                                  | 38.0   | 1,810                             | 89.4  | 1,793                             | 97.8                                     | 1,746   | 95.2   | 1,730   | 71.7   | 1,708   |
| Northeast                              | 33.9   | 3,620                             | 92.1  | 3,579                             | 94.9                                     | 3,341   | 98.4   | 3,313   | 73.8   | 3,171   |
| South                                  | 35.9   | 1,882                             | 86.2  | 1,785                             | 97.4                                     | 1,752   | 84.2   | 1,671   | 79.8   | 1,706   |
| <b>Age at beginning of school year</b> |  |                                   |   |                                   |  |   |  |   |  |   |
| 6 <sup>B</sup>                         | 49.1   | 311                               | 94.3  | 297                               | 96.0                                     | 294   | 95.1   | 288   | 96.5   | 283   |
| 7                                      | 46.4   | 1,418                             | 90.0  | 1,351                             | 96.0                                     | 1,331   | 95.2   | 1,277   | 94.3   | 1,277   |
| 8                                      | 39.7   | 1,485                             | 91.4  | 1,458                             | 97.4                                     | 1,431   | 95.6   | 1,406   | 92.3   | 1,394   |
| 9                                      | 43.6   | 1,441                             | 94.4  | 1,422                             | 97.4                                     | 1,379   | 95.9   | 1,362   | 86.0   | 1,343   |
| 10                                     | 37.6   | 1,581                             | 89.8  | 1,550                             | 95.7                                     | 1,471   | 94.6   | 1,443   | 79.7   | 1,408   |
| 11                                     | 38.0   | 1,271                             | 90.0  | 1,233                             | 96.7                                     | 1,217   | 94.6   | 1,183   | 72.2   | 1,177   |
| 12                                     | 34.9   | 1,425                             | 89.5  | 1,370                             | 97.4                                     | 1,335   | 97.0   | 1,288   | 62.4   | 1,301   |
| 13                                     | 39.5   | 1,360                             | 89.2  | 1,339                             | 97.1                                     | 1,272   | 97.3   | 1,255   | 50.2   | 1,235   |
| 14                                     | 37.1   | 1,027                             | 89.0  | 1,012                             | 94.7                                     | 938   | 95.6   | 925   | 50.3   | 888   |



**Table LN.3.3: Learning environment at home (continued)**

Percentage of children age 7-14 years<sup>A</sup> with 3 or more books to read at home, and percentage who read or are read to at home, percentage of children age 7-14 years attending school who have homework and percentage who at home speak the language that teachers use at school, and percentage of children age 7-14 years attending school and having homework who receive help with homework, Thailand, 2022

|  | Percentage of children with 3 or more books to read at home <sup>1</sup> | Number of children age 7-14 years | Percentage of children who read books or are read to at home <sup>2</sup> | Number of children age 7-14 years | Percentage of children who have homework | Number of children age 7-14 years attending school <sup>C</sup> | Percentage of children who at home use the language also used by teachers at school <sup>3</sup> | Number of children age 7-14 years attending school <sup>C</sup> | Percentage of children who receive help with homework <sup>4</sup> | Number of children age 7-14 attending school and have homework <sup>C</sup> |
|--|--|-----------------------------------|---|-----------------------------------|--|---|--|---|--|---|
| <b>School attendance</b>                 |  |                                   |   |                                   |  |   |  |   |  |   |
| Early childhood education                | (*)  | 10                                | (*)   | 8                                 | (*)                                      | 10  | (*)  | 8   | (*)  | 0   |
| Primary                                  | 40.7   | 7,557                             | 91.7  | 7,377                             | 96.7                                     | 7,463   | 95.2   | 7,288   | 84.7   | 7,214   |
| Lower secondary                          | 39.0   | 3,211                             | 90.6  | 3,142                             | 96.9                                     | 3,161   | 96.8   | 3,096   | 53.8   | 3,062   |
| Upper secondary                          | (*)  | 33                                | (*)   | 33                                | (*)                                      | 33  | (*)  | 33  | (*)  | 28  |
| Out-of-school                            | 37.1   | 509                               | 75.1  | 470                               | na                                       | na  | na   | na  | na   | na  |
| <b>Mother's education</b>                |  |                                   |   |                                   |  |   |  |   |  |   |
| Pre-primary or none                      | 23.6   | 368                               | 82.8  | 358                               | 96.2                                     | 330   | 81.7   | 322   | 52.5   | 318   |
| Primary                                  | 31.2   | 4,186                             | 87.9  | 4,114                             | 96.2                                     | 3,882   | 95.2   | 3,831   | 67.6   | 3,735   |
| Lower secondary                          | 37.9   | 2,307                             | 91.3  | 2,260                             | 97.6                                     | 2,174   | 95.8   | 2,135   | 77.6   | 2,122   |
| Upper secondary                          | 39.8   | 2,111                             | 91.7  | 2,040                             | 94.7                                     | 2,021   | 96.8   | 1,959   | 80.4   | 1,913   |
| Higher                                   | 60.4   | 2,346                             | 94.9  | 2,259                             | 98.1                                     | 2,259   | 97.6   | 2,178   | 85.3   | 2,217   |
| <b>Native language of household head</b> |  |                                   |   |                                   |  |   |  |   |  |   |
| Thai                                     | 41.9   | 10,382                            | 91.1  | 10,147                            | 96.6                                     | 9,790   | 98.7   | 9,595   | 75.3   | 9,453   |
| Non-Thai                                 | 18.9   | 938                               | 85.0  | 884                               | 97.1                                     | 877   | 60.9   | 830   | 76.8   | 851   |
| <b>Wealth index quintile</b>             |  |                                   |   |                                   |  |   |  |   |  |   |
| Poorest                                  | 22.4   | 2,350                             | 83.0  | 2,297                             | 93.5                                     | 2,171   | 92.1   | 2,130   | 67.5   | 2,029   |
| Second                                   | 31.4   | 2,486                             | 89.9  | 2,415                             | 96.8                                     | 2,291   | 95.2   | 2,237   | 72.7   | 2,218   |
| Middle                                   | 36.7   | 2,346                             | 91.6  | 2,314                             | 97.5                                     | 2,232   | 95.2   | 2,205   | 75.2   | 2,176   |
| Fourth                                   | 48.6   | 2,107                             | 93.5  | 2,057                             | 98.0                                     | 1,990   | 97.9   | 1,951   | 77.3   | 1,950   |
| Richest                                  | 65.5   | 2,031                             | 96.1  | 1,947                             | 97.4                                     | 1,983   | 98.7   | 1,902   | 85.0   | 1,931   |

<sup>1</sup> MICS indicator LN.18 - Availability of books at home

<sup>2</sup> MICS indicator LN.19 - Reading habit at home

<sup>3</sup> MICS indicator LN.20 - School and home languages

<sup>4</sup> MICS indicator LN.21 - Support with homework

<sup>A</sup> This table utilises information collected in both the Parental Involvement and Foundational Learning Skills modules. Note that otherwise identical denominators may be slightly different, as the Foundational Learning Skills module includes consent of respondent to interview child and assent and availability of child to be interviewed. This invariably reduces the number of cases for data collected in this module.

<sup>B</sup> As eligibility for the Parental Involvement and Foundational Learning Skills modules was determined based on age at time of interview (age 7-14 years), the disaggregate of Age at beginning of school year inevitably presents children who were age 6 years at the beginning of the school year.

<sup>C</sup> Excludes non-formal education and home school

na: not applicable (\*) Figures that are based on less than 25 unweighted cases.

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.

## 7.4 FOUNDATIONAL LEARNING SKILLS

The ability to read and understand a simple text is one of the most fundamental skills a child can learn. Yet in many countries, students enrolled in school for as many as 6 years are unable to read and understand simple texts, as shown for instance by regional assessments such as the Southeast Asia Primary Learning Metrics (SEA-PLM), the Latin American Laboratory for Assessment of the Quality of Education (LLECE), the Analysis Programme of the CONFEMEN Education Systems (PASEC) and the Southern and Eastern Africa Consortium for Monitoring Educational Quality (SACMEQ).<sup>16</sup> Acquiring literacy in the early grades of primary is crucial because doing so becomes more difficult in later grades, for those who are lagging behind.<sup>17</sup>

A strong foundation in basic numeracy skills during the early grades is crucial for success in mathematics in the later years. Mathematics is a skill very much in demand and most competitive jobs require some level of skill in mathematics. Early mathematical knowledge is a primary predictor of later academic achievement and future success in mathematics is related to an early and strong conceptual foundation.<sup>18</sup>

There are a number of existing tools for measuring learning outcomes<sup>19</sup> with each approach having their own strengths and limitations as well as varying levels of applicability to household surveys such as MICS. For some international assessments, it may just be too late: "Even though international testing programs like PISA and TIMSS are steadily increasing their coverage to also cover developing countries, (...) much of the divergence in test scores happens before the points in the educational trajectories of children where they are tested by international assessments", according to longitudinal surveys like the Young Lives Study.<sup>20</sup> National assessments such as the Early Grade Reading Assessment, which happens earlier and is more context specific, will however be less appropriate for cross-country analysis; although it may be possible to compare children who do not complete an exercise (zero scores) set at a level which reflects each national target for children by a certain age or grade. Additionally, it is recognized that some assessments only capture children in school. However, given that many children do not attend school, further data on these out-of-school children is needed and these can be adequately captured in household surveys.

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<sup>16</sup> CONFEMEN. *PASEC 2014 Education system performance in Francophone sub-Saharan Africa. Competencies and learning factors in primary education*. Dakar: CONFEMEN, 2015. [http://www.pasec.confemen.org/wp-content/uploads/2015/12/Rapport\\_Pasec2014\\_GB\\_webv2.pdf](http://www.pasec.confemen.org/wp-content/uploads/2015/12/Rapport_Pasec2014_GB_webv2.pdf);

Makuwa, D. and J. Maarse. "The Impact of Large-Scale International Assessments: A Case Study of How the Ministry of Education in Namibia Used SACMEQ Assessments to Improve Learning Outcomes." *Research in Comparative and International Education* 8, no. 3 (2013): 349-58. doi:10.2304/rcie.2013.8.3.349.;

Spaull, N. "Poverty & Privilege: Primary School Inequality in South Africa." *International Journal of Educational Development* 33, no. 5 (2013): 436-47. doi:10.1016/j.ijedudev.2012.09.009.

<sup>17</sup> Stanovich, K. "Matthew Effects in Reading: Some Consequences of Individual Differences in the Acquisition of Literacy." *Reading Research Quarterly* 21, no. 4 (1986): 360-407. doi:10.1598/rrq.21.4.1.

<sup>18</sup> Duncan, G. "School Readiness and Later Achievement." *Developmental Psychology* 43, no. 6 (2007): 1428-446. doi:10.1037/0012-1649.43.6.1428.

<sup>19</sup> LMTF. *Toward Universal Learning. A Global Framework for Measuring Learning. Report No. 2 of the Learning Metrics Task Force*. Montreal and Washington: UNESCO Institute for Statistics and Center for Universal Education at the Brookings Institution. [https://www.brookings.edu/wp-content/uploads/2016/06/LMTFReport2ES\\_final.pdf](https://www.brookings.edu/wp-content/uploads/2016/06/LMTFReport2ES_final.pdf);

Buckner, E. and R. Hatch. *Literacy Data: More, but not always better*. Washington: Education Policy and Data Center, 2014. <https://www.epdc.org/epdc-data-points/literacy-data-more-not-always-better-part-1-2>;

Wagner, D. *Smaller, Quicker Cheaper – Improving Learning Assessments for Developing Countries*. Paris: International Institute for Educational Planning, 2011. <http://unesdoc.unesco.org/images/0021/002136/213663e.pdf>.

<sup>20</sup> Singh, A. *Emergence and evolution of learning gaps across countries: Linked panel evidence from Ethiopia, India, Peru and Vietnam*. Oxford: Young Lives, 2014. [http://www.younglives.org.uk/files/YL-WP124\\_Singh\\_learning%20gaps.pdf](http://www.younglives.org.uk/files/YL-WP124_Singh_learning%20gaps.pdf).

The MICS Foundational Learning Skills module is designed to measure basic reading and numeracy skills expected upon completion of second grade of primary education.

The reading skills assessment is based on a short story and five comprehension questions (three literal and two inferential). The rationale, development, testing and validation of this module has been documented in two MICS Methodological Papers, No. 5 and No. 9<sup>21</sup>.

In Thailand MICS 2022, reading assessments were only available in Thai. The assessment tools were customised using the official Grade 2 textbooks for this language, ensuring that the vocabulary was appropriate for Grade 2 learners, both in terms of complexity and cultural relevance.<sup>22</sup>

Children were asked what language they mostly speak at home (home language) and children who had ever attended school were also asked what language is or was used most often for teaching in class (school language). Only children who had ever attended school and the school language was Thai were assessed.

The numeracy skills assessment is based on universal skills expected at Grade 2 level. The tool includes four mathematics tasks: number reading, number discrimination, addition and pattern recognition.

Tables LN.4.1 and LN.4.2 present percentages of children age 7-14 years, by sex, who correctly answered foundational reading tasks and numeracy skills, respectively. Age and school attendance, by level and grade are among the disaggregates shown and necessary to read some of the reported indicators. These MICS indicators are designed and developed to ~~for~~ both inform national policy development and report on global SDG indicator 4.1.1(a): Proportion of children in grade 2/3 achieving a minimum proficiency in (i) reading and (ii) mathematics by sex.

The assessment score of reading tasks is further disaggregated by results of the literal questions and inferential questions. The disaggregation of numeracy skills such as number reading, number discrimination, addition and pattern recognitions are also available.

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<sup>21</sup> Gochyyev P., S. Mizunoya and M. Cardoso. *Validity and reliability of the MICS foundational learning module*. MICS Methodological Papers, No. 9 New York: UNICEF, 2019.

<http://mics.unicef.org/files?job=W1siZiIsIjIwMTkvMDUvMDcvMTQvNDMvMzgvODQ0L01JQ1NftWV0aG9kb2xvZ2liYWxfUGFwZXFfOS5wZGYiXV0&sha=1251233507af5fe2>.

<sup>22</sup> In Thailand 2022, reading passages were customised based on guidance provided by technical experts.

**Table LN.4.1: Foundational reading skills**

Percentage of children aged 7-14 years who demonstrate foundational reading skills by successfully completing three foundational reading tasks in Thai, by sex, Thailand, 2022

|  | Male  |                 |  |                                   |   | Female  |                 |  |                                   |   | Total   |                 |   |  |  |                                   |               |
|--|---|-----------------|--|-----------------------------------|---|---|-----------------|--|-----------------------------------|---|---|-----------------|---|--|--|-----------------------------------|---------------|
|  | Percentage who correctly answered comprehension questions |                 | Percentage who demonstrate foundational reading skills | Number of children age 7-14 years | Percentage who correctly read 90% of words in a story | Percentage who correctly answered comprehension questions |                 | Percentage who demonstrate foundational reading skills | Number of children age 7-14 years | Percentage who correctly read 90% of words in a story | Percentage who correctly answered comprehension questions |                 | Percentage of children who demonstrate foundational reading skills <sup>1,2,3,7,8</sup> | Gender Parity Index for foundational reading skills <sup>4,5,6</sup> | Percentage of children for whom the reading book was not available in appropriate language | Number of children age 7-14 years |               |
|  | Three literal   | Two inferential |  |                                   |   | Three literal   | Two inferential |  |                                   |   | Three literal   | Two inferential |   |  |  |                                   |               |
| <b>Total<sup>1,4</sup></b>             | <b>82.0</b>   | <b>75.0</b>     | <b>69.7</b>  | <b>68.1</b>                       | <b>5,632</b>  | <b>88.2</b>   | <b>83.5</b>     | <b>75.3</b>  | <b>74.6</b>                       | <b>5,399</b>  | <b>85.0</b>   | <b>79.2</b>     | <b>72.5</b>   | <b>71.3</b>  | <b>1.09</b>  | <b>0.7</b>                        | <b>11,030</b> |
| <b>Area</b>                            |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |               |
| Urban                                  | 84.7  | 79.0            | 74.0   | 72.6                              | 2,223   | 87.7  | 82.5            | 76.0   | 75.4                              | 2,448   | 86.3  | 80.8            | 75.0  | 74.1   | 1.04   | 1.1                               | 4,671         |
| Rural                                  | 80.2  | 72.4            | 67.0   | 65.2                              | 3,409   | 88.6  | 84.4            | 74.8   | 73.9                              | 2,951   | 84.1  | 78.0            | 70.6  | 69.2   | 1.13   | 0.4                               | 6,359         |
| <b>Region</b>                          |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |               |
| Bangkok                                | 89.7  | 87.9            | 78.0   | 78.0                              | 463   | 92.2  | 89.9            | 84.0   | 82.8                              | 515   | 91.0  | 89.0            | 81.1  | 80.5   | 1.06   | 0.5                               | 978           |
| Central                                | 87.7  | 78.9            | 71.9   | 69.9                              | 1,573   | 92.4  | 89.2            | 81.8   | 81.6                              | 1,322   | 89.9  | 83.6            | 76.4  | 75.3   | 1.17   | 0.1                               | 2,895         |
| North                                  | 82.5  | 75.7            | 71.6   | 70.4                              | 858   | 92.2  | 85.7            | 78.3   | 77.0                              | 935   | 87.5  | 81.0            | 75.1  | 73.9   | 1.09   | 0.4                               | 1,793         |
| Northeast                              | 80.4  | 74.0            | 68.9   | 67.8                              | 1,876   | 84.9  | 79.6            | 69.7   | 69.0                              | 1,703   | 82.5  | 76.6            | 69.3  | 68.4   | 1.02   | 0.0                               | 3,579         |
| South                                  | 70.3  | 62.7            | 61.1   | 57.8                              | 861   | 81.9  | 76.9            | 68.5   | 67.8                              | 924   | 76.3  | 70.0            | 64.9  | 63.0   | 1.17   | 3.2                               | 1,785         |
| <b>Age at beginning of school year</b> |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |               |
| 6 <sup>A</sup>                         | 22.6  | 14.8            | 17.4   | 14.2                              | 185   | 49.4  | 45.6            | 23.1   | 23.1                              | 112   | 32.7  | 26.4            | 19.5  | 17.6   | 1.62   | 2.1                               | 297           |
| 7-8 <sup>2,5</sup>                     | 58.8  | 51.2            | 46.3   | 45.3                              | 1,375   | 68.2  | 61.6            | 49.2   | 48.8                              | 1,433   | 63.6  | 56.5            | 47.8  | 47.1   | 1.08   | 1.5                               | 2,808         |
| 7                                      | 49.0  | 40.3            | 36.3   | 36.1                              | 668   | 57.2  | 50.1            | 42.0   | 41.7                              | 683   | 53.1  | 45.3            | 39.2  | 38.9   | 1.16   | 2.9                               | 1,351         |
| 8                                      | 68.0  | 61.4            | 55.7   | 54.1                              | 707   | 78.3  | 72.1            | 55.7   | 55.2                              | 750   | 73.3  | 66.9            | 55.7  | 54.7   | 1.02   | 0.3                               | 1,458         |
| 9                                      | 81.6  | 75.9            | 65.7   | 64.7                              | 762   | 92.0  | 87.4            | 80.2   | 79.1                              | 660   | 86.4  | 81.2            | 72.4  | 71.4   | 1.22   | 0.1                               | 1,422         |
| 10 - 14                                | 95.0  | 88.1            | 83.3   | 81.4                              | 3,309   | 97.7  | 93.9            | 87.8   | 87.0                              | 3,194   | 96.3  | 90.9            | 85.6  | 84.2   | 1.07   | 0.3                               | 6,503         |
| 10                                     | 93.2  | 84.2            | 79.6   | 77.6                              | 743   | 97.3  | 89.3            | 80.8   | 80.5                              | 806   | 95.4  | 86.9            | 80.2  | 79.1   | 1.04   | 0.5                               | 1,550         |
| 11                                     | 91.3  | 84.4            | 71.1   | 70.7                              | 620   | 97.4  | 95.8            | 88.4   | 88.1                              | 613   | 94.3  | 90.1            | 79.7  | 79.4   | 1.25   | 0.3                               | 1,233         |
| 12                                     | 96.0  | 89.4            | 85.5   | 82.8                              | 702   | 97.4  | 93.2            | 87.1   | 84.2                              | 668   | 96.7  | 91.3            | 86.3  | 83.5   | 1.02   | 0.3                               | 1,370         |
| 13                                     | 97.6  | 92.8            | 90.6   | 87.6                              | 682   | 99.3  | 96.7            | 93.6   | 93.3                              | 657   | 98.4  | 94.7            | 92.1  | 90.4   | 1.06   | 0.2                               | 1,339         |
| 14                                     | 97.1  | 90.1            | 90.3   | 88.8                              | 563   | 96.8  | 96.4            | 92.3   | 92.3                              | 449   | 97.0  | 92.9            | 91.2  | 90.3   | 1.04   | 0.3                               | 1,012         |

**Table LN.4.1: Foundational reading skills (continued)**

Percentage of children aged 7-14 years who demonstrate foundational reading skills by successfully completing three foundational reading tasks in Thai, by sex, Thailand, 2022

|  | Male  |   |                 |  | Female                            |   |   |                 | Total  |                                   |   |   |                 |   |  |  |                                   |
|--|---|---|-----------------|--|-----------------------------------|---|---|-----------------|--|-----------------------------------|---|---|-----------------|---|--|--|-----------------------------------|
|  | Percentage who correctly read 90% of words in a story | Percentage who correctly answered comprehension questions |                 | Percentage who demonstrate foundational reading skills | Number of children age 7-14 years | Percentage who correctly read 90% of words in a story | Percentage who correctly answered comprehension questions |                 | Percentage who demonstrate foundational reading skills | Number of children age 7-14 years | Percentage who correctly read 90% of words in a story | Percentage who correctly answered comprehension questions |                 | Percentage of children who demonstrate foundational reading skills <sup>1,2,3,7,8</sup> | Gender Parity Index for foundational reading skills <sup>4,5,6</sup> | Percentage of children for whom the reading book was not available in appropriate language | Number of children age 7-14 years |
|  |   | Three literal   | Two inferential |  |                                   |   | Three literal   | Two inferential |  |                                   |   | Three literal   | Two inferential |   |  |  |                                   |
|  |   |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |
| <b>School attendance</b>                 |   |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |
| Early childhood education                | (*)   | (*)   | (*)             | (*)  | 2                                 | (*)   | (*)   | (*)             | (*)  | 6                                 | (*)   | (*)   | (*)             | (*)   | (*)  | (*)  | 8                                 |
| Primary                                  | 75.7  | 68.0  | 61.0            | 59.7   | 3,697                             | 84.6  | 78.9  | 68.6            | 67.9   | 3,680                             | 80.1  | 73.4  | 64.8            | 63.8  | 1.14   | 0.6  | 7,377                             |
| Primary 1                                | 25.0  | 19.2  | 17.7            | 15.7   | 297                               | 39.1  | 29.4  | 16.3            | 16.3   | 245                               | 31.4  | 23.8  | 17.0            | 16.0  | 1.04   | 1.6  | 542                               |
| Primary 2-3 <sup>3,6</sup>               | 61.9  | 53.1  | 48.8            | 47.8   | 1,357                             | 74.6  | 69.4  | 55.4            | 55.1   | 1,398                             | 68.3  | 61.4  | 52.2            | 51.5  | 1.15   | 1.2  | 2,755                             |
| Primary 2                                | 51.6  | 42.8  | 39.2            | 38.8   | 649                               | 62.4  | 57.8  | 45.0            | 44.6   | 656                               | 57.0  | 50.3  | 42.1            | 41.8  | 1.15   | 2.4  | 1,305                             |
| Primary 3                                | 71.3  | 62.6  | 57.6            | 56.0   | 708                               | 85.5  | 79.6  | 64.7            | 64.4   | 742                               | 78.5  | 71.3  | 61.2            | 60.3  | 1.15   | 0.2  | 1,449                             |
| Primary 4                                | 86.8  | 80.6  | 71.8            | 70.0   | 771                               | 94.3  | 87.2  | 79.1            | 78.2   | 673                               | 90.2  | 83.7  | 75.2            | 73.8  | 1.12   | 0.1  | 1,443                             |
| Primary 5                                | 95.9  | 87.4  | 76.5            | 75.3   | 696                               | 98.3  | 95.3  | 86.3            | 86.1   | 714                               | 97.1  | 91.4  | 81.5            | 80.8  | 1.14   | 0.0  | 1,410                             |
| Primary 6                                | 95.2  | 87.7  | 78.8            | 77.9   | 577                               | 98.2  | 91.3  | 86.2            | 84.2   | 650                               | 96.8  | 89.6  | 82.7            | 81.2  | 1.08   | 0.2  | 1,228                             |
| Lower secondary                          | 98.1  | 92.2  | 90.6            | 87.9   | 1,634                             | 98.8  | 96.9  | 92.6            | 92.3   | 1,509                             | 98.4  | 94.5  | 91.6            | 90.0  | 1.05   | 0.1  | 3,142                             |
| Secondary 1                              | 96.7  | 91.8  | 88.6            | 86.3   | 699                               | 99.2  | 96.2  | 91.1            | 90.5   | 626                               | 97.9  | 93.9  | 89.8            | 88.3  | 1.05   | 0.1  | 1,325                             |
| Secondary 2                              | 99.0  | 93.1  | 91.9            | 88.5   | 650                               | 99.3  | 98.0  | 94.2            | 94.0   | 624                               | 99.2  | 95.5  | 93.0            | 91.2  | 1.06   | 0.2  | 1,274                             |
| Secondary 3                              | 99.4  | 91.0  | 92.5            | 90.1   | 283                               | 96.5  | 96.2  | 92.5            | 92.5   | 258                               | 98.0  | 93.5  | 92.5            | 91.2  | 1.03   | 0.0  | 541                               |
| Upper secondary                          | (*)   | (*)   | (*)             | (*)  | 17                                | (*)   | (*)   | (*)             | (*)  | 16                                | (*)   | (*)   | (*)             | (*)   | (*)  | (*)  | 33                                |
| Out-of-school                            | 70.5  | 67.6  | 62.4            | 62.4   | 281                               | 74.0  | 68.1  | 67.8            | 62.7   | 189                               | 71.9  | 67.8  | 64.5            | 62.5  | 1.01   | 4.8  | 470                               |
| <b>Mother's education</b>                |   |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |
| Pre-primary or none                      | 76.3  | 66.6  | 56.9            | 56.6   | 188                               | 74.0  | 64.8  | 59.7            | 57.6   | 170                               | 75.2  | 65.7  | 58.2            | 57.1  | 1.02   | 2.3  | 358                               |
| Primary                                  | 80.4  | 74.2  | 68.0            | 66.5   | 2,182                             | 85.6  | 81.6  | 73.3            | 72.3   | 1,932                             | 82.8  | 77.7  | 70.5            | 69.2  | 1.09   | 0.7  | 4,114                             |
| Lower secondary                          | 82.5  | 74.4  | 69.7            | 67.8   | 1,084                             | 88.6  | 85.7  | 74.2            | 74.1   | 1,176                             | 85.7  | 80.2  | 72.1            | 71.1  | 1.09   | 1.4  | 2,260                             |
| Upper secondary                          | 79.6  | 72.3  | 67.2            | 65.0   | 1,079                             | 90.6  | 83.8  | 78.2            | 77.9   | 961                               | 84.8  | 77.7  | 72.4            | 71.1  | 1.20   | 0.1  | 2,040                             |
| Higher                                   | 87.9  | 81.5  | 77.8            | 76.6   | 1,100                             | 92.0  | 87.1  | 79.6            | 78.6   | 1,159                             | 90.0  | 84.4  | 78.7            | 77.6  | 1.03   | 0.1  | 2,259                             |
| <b>Native language of household head</b> |   |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |
| Thai                                     | 83.2  | 76.5  | 71.0            | 69.5   | 5,205                             | 89.6  | 85.0  | 77.2            | 76.6   | 4,942                             | 86.3  | 80.6  | 74.0            | 72.9  | 1.10   | 0.1  | 10,147                            |
| Non-Thai                                 | 67.2  | 57.5  | 54.5            | 51.3   | 427                               | 73.0  | 67.3  | 54.3            | 53.1   | 457                               | 70.2  | 62.5  | 54.4            | 52.3  | 1.04   | 7.3  | 884                               |

**Table LN.4.1: Foundational reading skills (continued)**

Percentage of children aged 7-14 years who demonstrate foundational reading skills by successfully completing three foundational reading tasks in Thai, by sex, Thailand, 2022

|  | Male  |   |                 |  | Female                            |   |   |                 | Total  |                                   |   |   |                 |   |  |  |                                   |
|--|---|---|-----------------|--|-----------------------------------|---|---|-----------------|--|-----------------------------------|---|---|-----------------|---|--|--|-----------------------------------|
|  | Percentage who correctly read 90% of words in a story | Percentage who correctly answered comprehension questions |                 | Percentage who demonstrate foundational reading skills | Number of children age 7-14 years | Percentage who correctly read 90% of words in a story | Percentage who correctly answered comprehension questions |                 | Percentage who demonstrate foundational reading skills | Number of children age 7-14 years | Percentage who correctly read 90% of words in a story | Percentage who correctly answered comprehension questions |                 | Percentage of children who demonstrate foundational reading skills <sup>1,2,3,7,8</sup> | Gender Parity Index for foundational reading skills <sup>4,5,6</sup> | Percentage of children for whom the reading book was not available in appropriate language | Number of children age 7-14 years |
|  |   | Three literal   | Two inferential |  |                                   |   | Three literal   | Two inferential |  |                                   |   | Three literal   | Two inferential |   |  |  |                                   |
|  |   |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |
| <b>Wealth index quintile</b>   |   |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |
| Poorest  | 73.6  | 64.6  | 56.3            | 54.8   | 1,237                             | 77.8  | 73.7  | 66.6            | 65.8   | 1,061                             | 75.6  | 68.8  | 61.0            | 59.9  | 1.20   | 2.4  | 2,297                             |
| Second   | 77.0  | 72.8  | 65.9            | 65.6   | 1,305                             | 88.1  | 83.8  | 75.2            | 74.3   | 1,110                             | 82.1  | 77.9  | 70.2            | 69.6  | 1.13   | 0.6  | 2,415                             |
| Middle   | 85.2  | 77.1  | 75.4            | 72.7   | 1,068                             | 90.3  | 84.7  | 74.8            | 73.8   | 1,246                             | 87.9  | 81.2  | 75.1            | 73.3  | 1.02   | 0.0  | 2,314                             |
| Fourth   | 87.1  | 80.5  | 77.9            | 75.0   | 1,124                             | 89.2  | 85.2  | 78.8            | 78.6   | 932                               | 88.0  | 82.6  | 78.3            | 76.7  | 1.04   | 0.0  | 2,057                             |
| Richest  | 90.6  | 83.4  | 77.0            | 75.9   | 897                               | 95.3  | 90.3  | 81.6            | 81.0   | 1,050                             | 93.1  | 87.1  | 79.5            | 78.7  | 1.07   | 0.1  | 1,947                             |
| <b>Parity indices</b>  |   |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |
| Wealth   |   |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |
| Poorest/Richest <sup>7</sup>   | 0.81  | 0.77  | 0.73            | 0.72   | na                                | 0.82  | 0.82  | 0.82            | 0.81   | na                                | 0.81  | 0.79  | 0.77            | 0.76  | na   | na   | na                                |
| Area   |   |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |
| Rural/Urban <sup>8</sup>   | 0.95  | 0.92  | 0.91            | 0.90   | na                                | 1.01  | 1.02  | 0.98            | 0.98   | na                                | 0.97  | 0.96  | 0.94            | 0.93  | na   | na   | na                                |
| <sup>1</sup> MICS indicator LN.22a - Foundational reading and numeracy skills (reading, age 7-14)  |   |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |
| <sup>2</sup> MICS indicator LN.22b - Foundational reading and numeracy skills (reading, age for grade 2/3)   |   |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |
| <sup>3</sup> MICS indicator LN.22c - Foundational reading and numeracy skills (reading, attending grade 2/3); SDG indicator 4.1.1  |   |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |
| <sup>4</sup> MICS indicator LN.11a - Parity indices - reading, age 7-14 (gender); SDG indicator 4.5.1  |   |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |
| <sup>5</sup> MICS indicator LN.11a - Parity indices - reading, age for grade 2/3 (gender); SDG indicator 4.5.1   |   |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |
| <sup>6</sup> MICS indicator LN.11a - Parity indices - reading, attending grade 2/3 (gender); SDG indicator 4.5.1   |   |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |
| <sup>7</sup> MICS indicator LN.11b - Parity indices - reading, age 7-14 (wealth); SDG indicator 4.5.1  |   |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |
| <sup>8</sup> MICS indicator LN.11c - Parity indices - reading, age 7-14 (area); SDG indicator 4.5.1  |   |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |
| <p><sup>A</sup> As eligibility for the Parental Involvement and Foundational Learning Skills modules was determined based on age at time of interview (age 7-14 years), the disaggregate of Age at beginning of school year inevitably presents children who were age 6 years at the beginning of the school year.</p> <p>na: not applicable</p> <p>(*) Figures that are based on less than 25 unweighted cases.</p> <p>Note: The category of 'DK/Missing' in the background characteristics of 'school attendance' and 'Mother's education' has been suppressed from the table due to small number of unweighted cases.</p> |   |   |                 |  |                                   |   |   |                 |  |                                   |   |   |                 |   |  |  |                                   |

Table LN.4.2: Foundational numeracy skills

Percentage of children aged 7-14 years who demonstrate foundational numeracy skills by successfully completing four foundational numeracy tasks, by sex, Thailand, 2022

|  | Male  |                       |             |                                    |   |                                   | Female  |                       |             |                                    |   |                                   | Total   |                       |             |                                    |  |   |                                   |
|--|---|-----------------------|-------------|------------------------------------|---|-----------------------------------|---|-----------------------|-------------|------------------------------------|---|-----------------------------------|---|-----------------------|-------------|------------------------------------|--|---|-----------------------------------|
|  | Percentage of children who successfully completed tasks of: |                       |             |                                    | Percentage of children who demonstrate foundational numeracy skills | Number of children age 7-14 years | Percentage of children who successfully completed tasks of: |                       |             |                                    | Percentage of children who demonstrate foundational numeracy skills | Number of children age 7-14 years | Percentage of children who successfully completed tasks of: |                       |             |                                    | Percentage of children who demonstrate foundational numeracy skills <sup>1,2,3,7,8</sup> | Gender Parity Index for foundational numeracy skills <sup>4,5,6</sup> | Number of children age 7-14 years |
|  | Number reading  | Number discrimination | Addition    | Pattern recognition and completion |   |                                   | Number reading  | Number discrimination | Addition    | Pattern recognition and completion |   |                                   | Number reading  | Number discrimination | Addition    | Pattern recognition and completion |  |   |                                   |
| <b>Total<sup>1,4</sup></b>             | <b>85.4</b>   | <b>87.3</b>           | <b>80.0</b> | <b>71.7</b>                        | <b>63.6</b>   | <b>5,632</b>                      | <b>86.9</b>   | <b>87.9</b>           | <b>81.5</b> | <b>71.7</b>                        | <b>66.3</b>   | <b>5,399</b>                      | <b>86.1</b>   | <b>87.6</b>           | <b>80.7</b> | <b>71.7</b>                        | <b>65.0</b>  | <b>1.04</b>   | <b>11,030</b>                     |
| <b>Area</b>                            |   |                       |             |                                    |   |                                   |   |                       |             |                                    |   |                                   |   |                       |             |                                    |  |   |                                   |
| Urban                                  | 88.0  | 89.2                  | 83.4        | 77.1                               | 68.9  | 2,223                             | 87.3  | 89.5                  | 84.3        | 71.0                               | 66.7  | 2,448                             | 87.7  | 89.4                  | 83.9        | 73.9                               | 67.7   | 0.97  | 4,671                             |
| Rural                                  | 83.6  | 86.1                  | 77.7        | 68.2                               | 60.2  | 3,409                             | 86.6  | 86.6                  | 79.1        | 72.3                               | 66.0  | 2,951                             | 85.0  | 86.3                  | 78.4        | 70.1                               | 62.9   | 1.10  | 6,359                             |
| <b>Region</b>                          |   |                       |             |                                    |   |                                   |   |                       |             |                                    |   |                                   |   |                       |             |                                    |  |   |                                   |
| Bangkok                                | 93.1  | 95.3                  | 88.8        | 79.3                               | 74.4  | 463                               | 92.9  | 94.1                  | 92.4        | 77.7                               | 75.1  | 515                               | 93.0  | 94.7                  | 90.7        | 78.5                               | 74.8   | 1.01  | 978                               |
| Central                                | 88.7  | 93.1                  | 86.3        | 80.9                               | 72.7  | 1,573                             | 88.6  | 89.9                  | 88.5        | 77.0                               | 74.9  | 1,322                             | 88.7  | 91.6                  | 87.3        | 79.1                               | 73.7   | 1.03  | 2,895                             |
| North                                  | 85.2  | 85.2                  | 79.7        | 64.4                               | 55.9  | 858                               | 92.3  | 93.0                  | 86.9        | 70.8                               | 66.3  | 935                               | 88.9  | 89.3                  | 83.4        | 67.8                               | 61.3   | 1.19  | 1,793                             |
| Northeast                              | 84.4  | 86.6                  | 78.8        | 71.1                               | 62.9  | 1,876                             | 83.9  | 84.3                  | 74.1        | 68.0                               | 59.9  | 1,703                             | 84.2  | 85.5                  | 76.5        | 69.6                               | 61.5   | 0.95  | 3,579                             |
| South                                  | 77.5  | 76.1                  | 66.5        | 59.4                               | 50.6  | 861                               | 81.2  | 83.3                  | 73.4        | 68.4                               | 61.1  | 924                               | 79.4  | 79.8                  | 70.1        | 64.1                               | 56.0   | 1.21  | 1,785                             |
| <b>Age at beginning of school year</b> |   |                       |             |                                    |   |                                   |   |                       |             |                                    |   |                                   |   |                       |             |                                    |  |   |                                   |
| 6 <sup>A</sup>                         | 30.0  | 33.1                  | 34.0        | 23.8                               | 10.2  | 185                               | 57.4  | 62.9                  | 31.3        | 25.5                               | 17.7  | 112                               | 40.3  | 44.4                  | 33.0        | 24.4                               | 13.0   | 1.75  | 297                               |
| 7-8 <sup>2,5</sup>                     | 74.7  | 76.5                  | 66.3        | 48.4                               | 41.5  | 1,375                             | 68.7  | 70.2                  | 60.2        | 46.4                               | 38.1  | 1,433                             | 71.6  | 73.3                  | 63.2        | 47.4                               | 39.8   | 0.92  | 2,808                             |
| 7                                      | 65.5  | 69.4                  | 58.1        | 39.2                               | 32.1  | 668                               | 58.0  | 59.9                  | 50.8        | 38.1                               | 28.2  | 683                               | 61.7  | 64.6                  | 54.4        | 38.6                               | 30.1   | 0.88  | 1,351                             |
| 8                                      | 83.4  | 83.1                  | 74.1        | 57.2                               | 50.4  | 707                               | 78.4  | 79.6                  | 68.6        | 54.0                               | 47.1  | 750                               | 80.8  | 81.3                  | 71.3        | 55.5                               | 48.7   | 0.94  | 1,458                             |
| 9                                      | 80.3  | 85.9                  | 73.7        | 64.5                               | 53.2  | 762                               | 93.6  | 95.6                  | 85.7        | 73.1                               | 67.5  | 660                               | 86.5  | 90.4                  | 79.3        | 68.5                               | 59.8   | 1.27  | 1,422                             |
| 10 - 14                                | 94.1  | 95.2                  | 89.7        | 85.7                               | 78.3  | 3,309                             | 94.7  | 95.2                  | 91.9        | 84.4                               | 80.4  | 3,194                             | 94.4  | 95.2                  | 90.8        | 85.0                               | 79.3   | 1.03  | 6,503                             |
| 10                                     | 91.7  | 93.2                  | 84.2        | 73.9                               | 64.8  | 743                               | 90.3  | 89.3                  | 85.0        | 74.8                               | 67.7  | 806                               | 91.0  | 91.2                  | 84.6        | 74.4                               | 66.3   | 1.05  | 1,550                             |
| 11                                     | 91.9  | 94.1                  | 87.5        | 79.3                               | 72.4  | 620                               | 95.2  | 95.4                  | 91.3        | 81.3                               | 77.3  | 613                               | 93.6  | 94.7                  | 89.4        | 80.3                               | 74.8   | 1.07  | 1,233                             |
| 12                                     | 94.0  | 93.8                  | 86.5        | 89.7                               | 80.5  | 702                               | 94.1  | 95.7                  | 93.6        | 89.9                               | 86.3  | 668                               | 94.1  | 94.7                  | 90.0        | 89.8                               | 83.3   | 1.07  | 1,370                             |
| 13                                     | 98.0  | 96.9                  | 96.0        | 93.0                               | 89.0  | 682                               | 97.8  | 99.4                  | 95.2        | 92.3                               | 89.8  | 657                               | 97.9  | 98.1                  | 95.6        | 92.6                               | 89.4   | 1.01  | 1,339                             |
| 14                                     | 95.1  | 98.6                  | 95.7        | 94.5                               | 86.6  | 563                               | 98.4  | 98.4                  | 97.8        | 86.0                               | 85.1  | 449                               | 96.6  | 98.5                  | 96.6        | 90.7                               | 85.9   | 0.98  | 1,012                             |

| Table LN.4.2: Foundational numeracy skills (continued)  |   |                       |          |                                    |   |                                   |   |                       |          |                                    |   |                                   |   |                       |          |                                    |  |   |                                   |    |
|---|---|-----------------------|----------|------------------------------------|---|-----------------------------------|---|-----------------------|----------|------------------------------------|---|-----------------------------------|---|-----------------------|----------|------------------------------------|--|---|-----------------------------------|----|
| Percentage of children aged 7-14 years who demonstrate foundational numeracy skills by successfully completing four foundational numeracy tasks, by sex, Thailand, 2022 |   |                       |          |                                    |   |                                   |   |                       |          |                                    |   |                                   |   |                       |          |                                    |  |   |                                   |    |
|   | Male  |                       |          |                                    |   |                                   | Female  |                       |          |                                    |   |                                   | Total   |                       |          |                                    |  |   |                                   |    |
|   | Percentage of children who successfully completed tasks of: |                       |          |                                    | Percentage of children who demonstrate foundational numeracy skills | Number of children age 7-14 years | Percentage of children who successfully completed tasks of: |                       |          |                                    | Percentage of children who demonstrate foundational numeracy skills | Number of children age 7-14 years | Percentage of children who successfully completed tasks of: |                       |          |                                    | Percentage of children who demonstrate foundational numeracy skills <sup>1,2,3,7,8</sup> | Gender Parity Index for foundational numeracy skills <sup>4,5,6</sup> | Number of children age 7-14 years |    |
|   | Number reading  | Number discrimination | Addition | Pattern recognition and completion |   |                                   | Number reading  | Number discrimination | Addition | Pattern recognition and completion |   |                                   | Number reading  | Number discrimination | Addition | Pattern recognition and completion |  |   |                                   |    |
| <b>School attendance</b>  |   |                       |          |                                    |   |                                   |   |                       |          |                                    |   |                                   |   |                       |          |                                    |  |   |                                   |    |
| Early childhood education   | (*)   | (*)                   | (*)      | (*)                                | (*)   | 2                                 | (*)   | (*)                   | (*)      | (*)                                | (*)   | 6                                 | (*)   | (*)                   | (*)      | (*)                                | (*)  | (*)   | 8                                 |    |
| Primary   | 79.7  | 82.3                  | 73.1     | 61.6                               | 52.7  | 3,697                             | 82.5  | 83.6                  | 75.8     | 63.4                               | 56.7  | 3,680                             | 81.1  | 83.0                  | 74.4     | 62.5                               | 54.7   | 1.08  | 7,377                             |    |
| Primary 1   | 35.4  | 40.4                  | 41.4     | 24.6                               | 12.6  | 297                               | 43.7  | 52.4                  | 29.5     | 20.8                               | 12.2  | 245                               | 39.1  | 45.8                  | 36.0     | 22.9                               | 12.4   | 0.96  | 542                               |    |
| Primary 2-3 <sup>3</sup>  | 74.8  | 78.0                  | 65.3     | 48.1                               | 40.3  | 1,357                             | 74.4  | 75.4                  | 66.0     | 51.0                               | 43.2  | 1,398                             | 74.6  | 76.7                  | 65.7     | 49.6                               | 41.8   | 1.07  | 2,755                             |    |
| Primary 2   | 69.3  | 72.2                  | 58.0     | 43.2                               | 35.9  | 649                               | 60.2  | 60.5                  | 53.7     | 40.2                               | 30.1  | 656                               | 64.7  | 66.3                  | 55.8     | 41.7                               | 33.0   | 0.84  | 1,305                             |    |
| Primary 3   | 80.0  | 83.3                  | 72.1     | 52.6                               | 44.4  | 708                               | 87.1  | 88.6                  | 76.9     | 60.7                               | 54.8  | 742                               | 83.6  | 86.0                  | 74.6     | 56.7                               | 49.7   | 1.23  | 1,449                             |    |
| Primary 4   | 85.0  | 87.9                  | 76.3     | 70.7                               | 59.6  | 771                               | 91.8  | 93.2                  | 84.4     | 73.8                               | 65.2  | 673                               | 88.1  | 90.4                  | 80.1     | 72.2                               | 62.2   | 1.09  | 1,443                             |    |
| Primary 5   | 91.3  | 94.0                  | 85.3     | 75.7                               | 68.2  | 696                               | 95.9  | 93.2                  | 89.2     | 78.9                               | 73.1  | 714                               | 93.6  | 93.6                  | 87.3     | 77.3                               | 70.7   | 1.07  | 1,410                             |    |
| Primary 6   | 92.7  | 92.4                  | 88.6     | 83.1                               | 74.2  | 577                               | 90.0  | 92.7                  | 90.5     | 78.5                               | 75.8  | 650                               | 91.3  | 92.6                  | 89.6     | 80.6                               | 75.1   | 1.02  | 1,228                             |    |
| Lower secondary   | 98.0  | 98.0                  | 93.8     | 93.5                               | 87.3  | 1,634                             | 97.8  | 98.4                  | 95.8     | 91.1                               | 88.9  | 1,509                             | 97.9  | 98.2                  | 94.8     | 92.3                               | 88.1   | 1.02  | 3,142                             |    |
| Secondary 1   | 98.8  | 97.2                  | 90.9     | 92.8                               | 85.7  | 699                               | 97.3  | 97.4                  | 97.1     | 92.9                               | 91.1  | 626                               | 98.1  | 97.3                  | 93.8     | 92.9                               | 88.2   | 1.06  | 1,325                             |    |
| Secondary 2   | 96.8  | 98.0                  | 94.9     | 96.0                               | 89.1  | 650                               | 97.7  | 99.1                  | 94.1     | 92.5                               | 89.3  | 624                               | 97.3  | 98.6                  | 94.5     | 94.3                               | 89.2   | 1.00  | 1,274                             |    |
| Secondary 3   | 98.7  | 99.6                  | 98.5     | 89.5                               | 87.6  | 283                               | 99.2  | 99.0                  | 97.1     | 83.4                               | 82.5  | 258                               | 98.9  | 99.3                  | 97.9     | 86.6                               | 85.2   | 0.94  | 541                               |    |
| Upper secondary   | (*)   | (*)                   | (*)      | (*)                                | (*)   | 17                                | (*)   | (*)                   | (*)      | (*)                                | (*)   | 16                                | (*)   | (*)                   | (*)      | (*)                                | (*)  | (*)   | (*)                               | 33 |
| Out-of-school   | 86.4  | 91.2                  | 89.2     | 76.9                               | 68.8  | 281                               | 86.3  | 87.8                  | 78.4     | 75.7                               | 72.5  | 189                               | 86.3  | 89.8                  | 84.8     | 76.4                               | 70.2   | 1.05  | 470                               |    |
| <b>Mother's education</b>   |   |                       |          |                                    |   |                                   |   |                       |          |                                    |   |                                   |   |                       |          |                                    |  |   |                                   |    |
| Pre-primary or none   | 71.0  | 92.5                  | 69.9     | 70.4                               | 49.6  | 188                               | 77.9  | 87.1                  | 71.0     | 58.1                               | 51.9  | 170                               | 74.3  | 89.9                  | 70.4     | 64.6                               | 50.7   | 1.05  | 358                               |    |
| Primary   | 83.8  | 86.4                  | 79.6     | 69.0                               | 63.0  | 2,182                             | 86.3  | 86.8                  | 77.8     | 70.9                               | 64.1  | 1,932                             | 84.9  | 86.6                  | 78.8     | 69.9                               | 63.5   | 1.02  | 4,114                             |    |
| Lower secondary   | 85.6  | 84.9                  | 79.6     | 72.2                               | 59.1  | 1,084                             | 87.6  | 86.5                  | 79.6     | 71.4                               | 66.4  | 1,176                             | 86.7  | 85.7                  | 79.6     | 71.8                               | 62.9   | 1.12  | 2,260                             |    |
| Upper secondary   | 84.0  | 87.1                  | 75.5     | 67.3                               | 58.9  | 1,079                             | 87.7  | 88.6                  | 83.5     | 76.3                               | 71.0  | 961                               | 85.7  | 87.8                  | 79.3     | 71.6                               | 64.6   | 1.21  | 2,040                             |    |
| Higher  | 92.2  | 90.8                  | 87.2     | 81.1                               | 76.4  | 1,100                             | 88.0  | 90.9                  | 89.3     | 71.4                               | 68.2  | 1,159                             | 90.0  | 90.8                  | 88.2     | 76.2                               | 72.2   | 0.89  | 2,259                             |    |



| Table LN.4.2: Foundational numeracy skills (continued)  |   |                |          |            |   |                                   |   |                |          |            |   |                                   |   |                |          |            |  |   |                                   |
|---|---|----------------|----------|------------|---|-----------------------------------|---|----------------|----------|------------|---|-----------------------------------|---|----------------|----------|------------|--|---|-----------------------------------|
| Percentage of children aged 7-14 years who demonstrate foundational numeracy skills by successfully completing four foundational numeracy tasks, by sex, Thailand, 2022   |   |                |          |            |   |                                   |   |                |          |            |   |                                   |   |                |          |            |  |   |                                   |
|   | Male  |                |          |            |   |                                   | Female  |                |          |            |   |                                   | Total   |                |          |            |  |   |                                   |
|   | Percentage of children who successfully completed tasks of: |                |          |            | Percentage of children who demonstrate foundational numeracy skills | Number of children age 7-14 years | Percentage of children who successfully completed tasks of: |                |          |            | Percentage of children who demonstrate foundational numeracy skills | Number of children age 7-14 years | Percentage of children who successfully completed tasks of: |                |          |            | Percentage of children who demonstrate foundational numeracy skills <sup>1,2,3,7,8</sup> | Gender Parity Index for foundational numeracy skills <sup>4,5,6</sup> | Number of children age 7-14 years |
|   | Number reading  | discrimination | Addition | completion |   |                                   | Number reading  | discrimination | Addition | completion |   |                                   | Number reading  | discrimination | Addition | completion |  |   |                                   |
| <b>Native language of household head</b>  |   |                |          |            |   |                                   |   |                |          |            |   |                                   |   |                |          |            |  |   |                                   |
| Thai  | 86.2  | 88.0           | 80.9     | 73.5       | 65.6  | 5,205                             | 87.8  | 88.8           | 83.3     | 73.8       | 68.6  | 4,942                             | 87.0  | 88.4           | 82.1     | 73.7       | 67.0   | 1.05  | 10,147                            |
| Non-Thai  | 74.8  | 78.7           | 68.4     | 49.7       | 40.3  | 427                               | 77.7  | 78.0           | 61.1     | 48.8       | 41.5  | 457                               | 76.3  | 78.4           | 64.6     | 49.2       | 40.9   | 1.03  | 884                               |
| <b>Wealth index quintile</b>  |   |                |          |            |   |                                   |   |                |          |            |   |                                   |   |                |          |            |  |   |                                   |
| Poorest   | 81.5  | 82.1           | 69.5     | 59.2       | 51.2  | 1,237                             | 81.7  | 84.6           | 73.3     | 64.8       | 58.2  | 1,061                             | 81.6  | 83.2           | 71.2     | 61.8       | 54.4   | 1.14  | 2,297                             |
| Second  | 80.5  | 86.1           | 77.8     | 67.2       | 57.5  | 1,305                             | 85.5  | 83.9           | 78.9     | 67.9       | 62.9  | 1,110                             | 82.8  | 85.1           | 78.3     | 67.6       | 60.0   | 1.09  | 2,415                             |
| Middle  | 88.1  | 87.0           | 83.5     | 74.5       | 67.8  | 1,068                             | 86.3  | 87.9           | 80.9     | 73.8       | 68.1  | 1,246                             | 87.1  | 87.5           | 82.1     | 74.1       | 68.0   | 1.01  | 2,314                             |
| Fourth  | 89.5  | 90.7           | 83.6     | 76.9       | 69.3  | 1,124                             | 86.9  | 87.3           | 84.5     | 76.8       | 70.5  | 932                               | 88.3  | 89.2           | 84.0     | 76.9       | 69.8   | 1.02  | 2,057                             |
| Richest   | 89.5  | 92.3           | 88.9     | 85.6       | 77.7  | 897                               | 94.4  | 96.0           | 90.4     | 75.7       | 72.3  | 1,050                             | 92.1  | 94.3           | 89.7     | 80.2       | 74.8   | 0.93  | 1,947                             |
| <b>Parity indices</b>   |   |                |          |            |   |                                   |   |                |          |            |   |                                   |   |                |          |            |  |   |                                   |
| Wealth  |   |                |          |            |   |                                   |   |                |          |            |   |                                   |   |                |          |            |  |   |                                   |
| Poorest/Richest <sup>7</sup>  | 0.91  | 0.89           | 0.78     | 0.69       | 0.66  | na                                | 0.87  | 0.88           | 0.81     | 0.86       | 0.81  | na                                | 0.89  | 0.88           | 0.79     | 0.77       | 0.73   | na  | na                                |
| Area  |   |                |          |            |   |                                   |   |                |          |            |   |                                   |   |                |          |            |  |   |                                   |
| Rural/Urban <sup>8</sup>  | 0.95  | 0.97           | 0.93     | 0.89       | 0.87  | na                                | 0.99  | 0.97           | 0.94     | 1.02       | 0.99  | na                                | 0.97  | 0.97           | 0.93     | 0.95       | 0.93   | na  | na                                |
| <sup>1</sup> MICS indicator LN.22d - Foundational reading and numeracy skills (numeracy, age 7-14)  |   |                |          |            |   |                                   |   |                |          |            |   |                                   |   |                |          |            |  |   |                                   |
| <sup>2</sup> MICS indicator LN.22e - Foundational reading and numeracy skills (numeracy, age for grade 2/3)   |   |                |          |            |   |                                   |   |                |          |            |   |                                   |   |                |          |            |  |   |                                   |
| <sup>3</sup> MICS indicator LN.22f - Foundational reading and numeracy skills (numeracy, attending grade 2/3); SDG indicator 4.1.1  |   |                |          |            |   |                                   |   |                |          |            |   |                                   |   |                |          |            |  |   |                                   |
| <sup>4</sup> MICS indicator LN.11a - Parity indices - numeracy, age 7-14 (gender); SDG indicator 4.5.1  |   |                |          |            |   |                                   |   |                |          |            |   |                                   |   |                |          |            |  |   |                                   |
| <sup>5</sup> MICS indicator LN.11a - Parity indices - numeracy, age for grade 2/3 (gender); SDG indicator 4.5.1   |   |                |          |            |   |                                   |   |                |          |            |   |                                   |   |                |          |            |  |   |                                   |
| <sup>6</sup> MICS indicator LN.11a - Parity indices - numeracy, attending grade 2/3 (gender); SDG indicator 4.5.1   |   |                |          |            |   |                                   |   |                |          |            |   |                                   |   |                |          |            |  |   |                                   |
| <sup>7</sup> MICS indicator LN.11b - Parity indices - numeracy, age 7-14 (wealth); SDG indicator 4.5.1  |   |                |          |            |   |                                   |   |                |          |            |   |                                   |   |                |          |            |  |   |                                   |
| <sup>8</sup> MICS indicator LN.11c - Parity indices - numeracy, age 7-14 (area); SDG indicator 4.5.1  |   |                |          |            |   |                                   |   |                |          |            |   |                                   |   |                |          |            |  |   |                                   |
| <sup>A</sup> As eligibility for the Parental Involvement and Foundational Learning Skills modules was determined based on age at time of interview (age 7-14 years), the disaggregate of Age at beginning of school year inevitably presents children who were age 6 years at the beginning of the school year. |   |                |          |            |   |                                   |   |                |          |            |   |                                   |   |                |          |            |  |   |                                   |
| na: not applicable  |   |                |          |            |   |                                   |   |                |          |            |   |                                   |   |                |          |            |  |   |                                   |
| (*) Figures that are based on less than 25 unweighted cases.  |   |                |          |            |   |                                   |   |                |          |            |   |                                   |   |                |          |            |  |   |                                   |
| Note: The category of 'DK/Missing' in the background characteristics of 'school attendance' and 'Mother's education' has been suppressed from the table due to small number of unweighted cases.  |   |                |          |            |   |                                   |   |                |          |            |   |                                   |   |                |          |            |  |   |                                   |

## 7.5 REMOTE LEARNING

The COVID-19 pandemic led to school closures around the world, affecting almost 1.6 billion students. The effects of even short disruptions in a child's schooling on their learning and wellbeing have been shown to be acute and long lasting. The effects of even short disruptions in a child's schooling on their learning and wellbeing have been shown to be acute and long lasting. The capacities of education systems to respond to the crisis through delivering remote learning and support to children and families have been diverse yet uneven. The most vulnerable children are less likely to access remote learning, and are at higher risk of violence, neglect, child marriage and other risks while schools are closed.<sup>23</sup>

In Thailand, COVID-19 enforced school closures and required the education system to deliver alternative instructions. As per Ministry of Education guidance, the different options included:

- **On-site:** face to face teaching and learning when schools were open;
- **Online:** teachers delivered instructions through various internet platforms and applications such as the DEEP (Digital Education Excellence) Platform, Zoom, Google classroom, etc., mostly older grades;
- **On-air:** broadcasting of available teacher-led lessons through television (primarily DLTV (Distance Learning Television) content which was beamed from Wang Klai Kang Won School to schools in remote areas during the pre-pandemic days to supplement school-based teaching);
- **On-demand:** students accessing pre-recorded available and recommended content on YouTube and other learning platforms including DEEP;
- **On-hand:** developing learning packages, including worksheets aligned with curriculum units for children who were unable to access online instruction to learn at home. Teachers may occasionally visit students' houses.

Teachers were free to choose one (or more) options for teaching and learning.

Tables LN.5.1 presents percentages of children age 7-14 years who attended classes remotely during COVID-19 pandemic in the last school year. Type of devices used for remote learning and percentage of children who received help for remote learning are shown in Tables LN.5.2.

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<sup>23</sup> UNICEF Office of Research - Innocenti. "Reopening with resilience: Lessons from remote learning during COVID-19." *Innocenti Research Report*. Florence: UNICEF, 2021. <https://www.unicef-irc.org/publications/pdf/Reopening-with-Resilience.pdf>

**Table LN.5.1: Remote learning during COVID-19 pandemic**

Percentage of children age 7-14 years who attended classes remotely during COVID-19 pandemic in the last school year by the main type of remote learning, Thailand, 2022

|  | Percentage who attended classes remotely during COVID-19 pandemic <sup>1</sup> | Number of children age 7-14 attended school in the last school year | Main type of remote learning |            |            |             |             |              | Total        | Number of children age 7-14 attended classes remotely during COVID-19 pandemic in the last school year |
|--|--|---|------------------------------|------------|------------|-------------|-------------|--------------|--------------|--|
|  |  |   | Online                       | On-air     | On-demand  | On-hand     | No response |              |              |  |
| <b>Total</b>                           | <b>91.4</b>  | <b>10,883</b>   | <b>69.4</b>                  | <b>0.8</b> | <b>8.1</b> | <b>21.5</b> | <b>0.2</b>  | <b>100.0</b> | <b>9,951</b> |  |
| <b>Sex</b>                             |  |   |                              |            |            |             |             |              |              |  |
| Male                                   | 91.5   | 5,525   | 67.2                         | 0.6        | 8.6        | 23.3        | 0.3         | 100.0        | 5,057        |  |
| Female                                 | 91.3   | 5,358   | 71.6                         | 1.1        | 7.5        | 19.7        | 0.1         | 100.0        | 4,894        |  |
| <b>Area</b>                            |  |   |                              |            |            |             |             |              |              |  |
| Urban                                  | 93.3   | 4,675   | 77.5                         | 0.9        | 6.8        | 14.6        | 0.3         | 100.0        | 4,361        |  |
| Rural                                  | 90.0   | 6,208   | 63.0                         | 0.8        | 9.1        | 27.0        | 0.2         | 100.0        | 5,590        |  |
| <b>Region</b>                          |  |   |                              |            |            |             |             |              |              |  |
| Bangkok                                | 96.9   | 988   | 93.5                         | 0.0        | 5.4        | 1.1         | 0.0         | 100.0        | 957          |  |
| Central                                | 96.3   | 2,937   | 70.8                         | 0.8        | 11.0       | 17.4        | 0.0         | 100.0        | 2,827        |  |
| North                                  | 83.3   | 1,744   | 75.1                         | 0.8        | 4.5        | 19.7        | 0.0         | 100.0        | 1,453        |  |
| Northeast                              | 87.7   | 3,416   | 52.5                         | 0.9        | 8.4        | 37.5        | 0.7         | 100.0        | 2,996        |  |
| South                                  | 95.5   | 1,799   | 78.2                         | 1.1        | 7.3        | 13.4        | 0.1         | 100.0        | 1,718        |  |
| <b>Age at beginning of school year</b> |  |   |                              |            |            |             |             |              |              |  |
| 6                                      | 79.9   | 289   | 46.1                         | 0.0        | 4.1        | 49.8        | 0.0         | 100.0        | 231          |  |
| 7                                      | 85.4   | 1,356   | 64.8                         | 0.4        | 3.6        | 31.2        | 0.0         | 100.0        | 1,158        |  |
| 8                                      | 88.1   | 1,452   | 60.9                         | 2.1        | 5.8        | 31.1        | 0.1         | 100.0        | 1,279        |  |
| 9                                      | 90.5   | 1,410   | 67.1                         | 0.3        | 7.8        | 24.8        | 0.0         | 100.0        | 1,276        |  |
| 10                                     | 93.1   | 1,498   | 69.6                         | 0.7        | 9.0        | 20.6        | 0.0         | 100.0        | 1,395        |  |
| 11                                     | 90.8   | 1,236   | 69.4                         | 0.6        | 6.4        | 23.6        | 0.0         | 100.0        | 1,122        |  |
| 12                                     | 96.0   | 1,389   | 71.7                         | 1.6        | 10.2       | 15.2        | 1.3         | 100.0        | 1,333        |  |
| 13                                     | 96.1   | 1,293   | 78.3                         | 0.6        | 14.3       | 6.7         | 0.1         | 100.0        | 1,243        |  |
| 14                                     | 95.2   | 961   | 80.1                         | 0.0        | 7.5        | 12.4        | 0.0         | 100.0        | 915          |  |

**Table LN.5.1: Remote learning during COVID-19 pandemic (continued)**

Percentage of children age 7-14 years who attended classes remotely during COVID-19 pandemic in the last school year by the main type of remote learning, Thailand, 2022

|  | Percentage who attended classes remotely during COVID-19 pandemic <sup>1</sup> | Number of children age 7-14 attended school in the last school year | Main type of remote learning |        |           |         |             |       | Total | Number of children age 7-14 attended classes remotely during COVID-19 pandemic in the last school year |
|--|--|---|------------------------------|--------|-----------|---------|-------------|-------|-------|--|
|  |  |   | Online                       | On-air | On-demand | On-hand | No response |       |       |  |
| <b>Mother's education</b>                |  |   |                              |        |           |         |             |       |       |  |
| Pre-primary or none                      | 86.2   | 329   | 59.5                         | 0.1    | 10.5      | 29.8    | 0.0         | 100.0 | 283   |  |
| Primary                                  | 89.7   | 3,943   | 62.4                         | 1.4    | 8.6       | 27.4    | 0.2         | 100.0 | 3,539 |  |
| Lower secondary                          | 92.9   | 2,241   | 64.6                         | 0.5    | 9.1       | 25.8    | 0.0         | 100.0 | 2,080 |  |
| Upper secondary                          | 91.2   | 2,077   | 73.8                         | 0.3    | 6.1       | 19.2    | 0.6         | 100.0 | 1,894 |  |
| Higher                                   | 93.9   | 2,294   | 82.9                         | 0.8    | 7.7       | 8.7     | 0.0         | 100.0 | 2,154 |  |
| <b>Native language of household head</b> |  |   |                              |        |           |         |             |       |       |  |
| Thai                                     | 91.3   | 10,001  | 71.3                         | 0.9    | 7.8       | 19.8    | 0.2         | 100.0 | 9,135 |  |
| Non-Thai                                 | 92.6   | 882   | 48.1                         | 0.1    | 11.3      | 40.5    | 0.1         | 100.0 | 816   |  |
| <b>Wealth index quintile</b>             |  |   |                              |        |           |         |             |       |       |  |
| Poorest                                  | 84.9   | 2,180   | 49.6                         | 1.3    | 10.5      | 38.2    | 0.4         | 100.0 | 1,850 |  |
| Second                                   | 90.8   | 2,370   | 64.9                         | 0.9    | 6.2       | 27.3    | 0.6         | 100.0 | 2,152 |  |
| Middle                                   | 93.5   | 2,282   | 71.3                         | 0.1    | 9.3       | 19.3    | 0.0         | 100.0 | 2,135 |  |
| Fourth                                   | 94.4   | 2,044   | 78.2                         | 0.9    | 7.2       | 13.7    | 0.0         | 100.0 | 1,928 |  |
| Richest                                  | 94.0   | 2,008   | 82.6                         | 1.0    | 7.4       | 9.1     | 0.0         | 100.0 | 1,886 |  |

<sup>1</sup>TH indicator LN.S3 - Attended classes remotely during COVID-19 pandemic

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.

**Table LN.5.2: Devices used and support for remote learning**

Percentage of children age 7-14 years who attended classes remotely during COVID-19 pandemic in the last school year by type of devices used for remote learning, and percentage of children who received help for remote learning, Thailand, 2022

|  | Type of devices used for remote learning |                  |                 |            |             |             | Percentage of children who received help for remote learning <sup>1</sup> | Number of children age 7-14 attended classes remotely during COVID-19 pandemic in the last school year |
|--|--|------------------|-----------------|------------|-------------|-------------|---|--|
|  | Television                               | Desktop computer | Laptop computer | Tablet     | Smart phone | No device   |   |  |
| <b>Total</b>                           | <b>2.7</b>                               | <b>3.8</b>       | <b>6.9</b>      | <b>8.0</b> | <b>77.8</b> | <b>12.5</b> | <b>73.2</b>   | <b>9,951</b>   |
| <b>Sex</b>                             |  |                  |                 |            |             |             |   |  |
| Male                                   | 2.2                                      | 3.2              | 6.1             | 8.1        | 78.5        | 13.7        | 71.1  | 5,057  |
| Female                                 | 3.1                                      | 4.4              | 7.7             | 7.8        | 77.1        | 11.3        | 75.4  | 4,894  |
| <b>Area</b>                            |  |                  |                 |            |             |             |   |  |
| Urban                                  | 2.1                                      | 6.6              | 10.4            | 11.5       | 78.7        | 7.8         | 73.4  | 4,361  |
| Rural                                  | 3.1                                      | 1.6              | 4.2             | 5.2        | 77.1        | 16.2        | 73.1  | 5,590  |
| <b>Region</b>                          |  |                  |                 |            |             |             |   |  |
| Bangkok                                | 0.7                                      | 8.4              | 10.9            | 9.1        | 84.0        | 0.5         | 79.8  | 957  |
| Central                                | 3.9                                      | 5.8              | 10.4            | 13.5       | 76.5        | 8.5         | 73.5  | 2,827  |
| North                                  | 2.7                                      | 6.8              | 9.6             | 10.3       | 74.8        | 12.1        | 68.6  | 1,453  |
| Northeast                              | 2.8                                      | 0.4              | 2.1             | 3.4        | 72.2        | 24.9        | 67.4  | 2,996  |
| South                                  | 1.5                                      | 1.0              | 5.0             | 4.2        | 88.9        | 4.7         | 83.2  | 1,718  |
| <b>Age at beginning of school year</b> |  |                  |                 |            |             |             |   |  |
| 6                                      | 0.6                                      | 0.3              | 3.5             | 10.1       | 58.7        | 35.8        | 78.3  | 231  |
| 7                                      | 1.5                                      | 3.0              | 8.1             | 8.9        | 68.7        | 22.1        | 90.4  | 1,158  |
| 8                                      | 3.0                                      | 2.8              | 8.7             | 10.4       | 68.0        | 21.2        | 85.4  | 1,279  |
| 9                                      | 2.3                                      | 2.6              | 6.6             | 7.9        | 76.3        | 13.6        | 79.0  | 1,276  |
| 10                                     | 5.1                                      | 6.3              | 7.8             | 8.4        | 74.2        | 11.3        | 80.9  | 1,395  |
| 11                                     | 2.1                                      | 2.9              | 5.3             | 5.3        | 80.5        | 11.8        | 69.6  | 1,122  |
| 12                                     | 2.2                                      | 3.7              | 4.6             | 7.2        | 83.7        | 9.1         | 65.4  | 1,333  |
| 13                                     | 2.0                                      | 3.4              | 6.4             | 8.8        | 88.6        | 1.7         | 59.8  | 1,243  |
| 14                                     | 3.3                                      | 6.4              | 9.2             | 5.3        | 88.7        | 3.3         | 47.6  | 915  |

**Table LN.5.2: Devices used and support for remote learning (continued)**

Percentage of children age 7-14 years who attended classes remotely during COVID-19 pandemic in the last school year by type of devices used for remote learning, and percentage of children who received help for remote learning, Thailand, 2022

|  | Type of devices used for remote learning |                  |                 |        |             |           | Percentage of children who received help for remote learning <sup>1</sup> | Number of children age 7-14 attended classes remotely during COVID-19 pandemic in the last school year |
|--|--|------------------|-----------------|--------|-------------|-----------|---|--|
|  | Television                               | Desktop computer | Laptop computer | Tablet | Smart phone | No device |   |  |
| <b>Mother's education</b>                |  |                  |                 |        |             |           |   |  |
| Pre-primary or none                      | 0.2                                      | 0.0              | 0.7             | 2.2    | 75.5        | 21.6      | 70.2  | 283  |
| Primary                                  | 2.0                                      | 1.7              | 1.8             | 3.7    | 81.5        | 15.0      | 63.9  | 3,539  |
| Lower secondary                          | 3.0                                      | 2.2              | 4.3             | 6.3    | 77.8        | 15.2      | 77.0  | 2,080  |
| Upper secondary                          | 3.9                                      | 5.6              | 8.8             | 10.5   | 75.4        | 11.5      | 80.1  | 1,894  |
| Higher                                   | 2.6                                      | 7.6              | 16.9            | 15.2   | 74.1        | 5.6       | 79.3  | 2,154  |
| <b>Native language of household head</b> |  |                  |                 |        |             |           |   |  |
| Thai                                     | 2.8                                      | 4.0              | 7.4             | 8.6    | 79.0        | 10.7      | 72.0  | 9,135  |
| Non-Thai                                 | 1.5                                      | 0.6              | 1.4             | 1.1    | 64.6        | 32.7      | 87.5  | 816  |
| <b>Wealth index quintile</b>             |  |                  |                 |        |             |           |   |  |
| Poorest                                  | 2.0                                      | 0.0              | 0.1             | 0.4    | 71.8        | 26.9      | 65.4  | 1,850  |
| Second                                   | 2.8                                      | 0.2              | 0.7             | 2.6    | 78.2        | 18.8      | 70.9  | 2,152  |
| Middle                                   | 3.2                                      | 0.9              | 2.4             | 4.5    | 84.9        | 8.9       | 75.3  | 2,135  |
| Fourth                                   | 2.7                                      | 2.8              | 8.5             | 8.3    | 84.0        | 5.8       | 76.6  | 1,928  |
| Richest                                  | 2.5                                      | 15.7             | 24.2            | 25.0   | 69.0        | 2.2       | 77.9  | 1,886  |

<sup>1</sup>TH indicator LN.S4 - Support for remote learning

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.



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## CHAPTER 8 PROTECTED FROM VIOLENCE AND EXPLOITATION

### 8.1 BIRTH REGISTRATION

A name and nationality is every child's right, enshrined in the Convention on the Rights of the Child (CRC) and other international treaties. Registering children at birth is the first step in securing their recognition before the law, safeguarding their rights, and ensuring that any violation of these rights does not go unnoticed.<sup>1</sup> Birth certificates are proof of registration and the first form of legal identity and are often required to access health care or education. Having legal identification can also be one form of protection from entering into marriage or the labour market, or being conscripted into the armed forces, before the legal age. Birth registration and certification is also legal proof of one's place of birth and family ties and thus necessary to obtain a passport. In adulthood, birth certificates may be required to obtain social assistance or a job in the formal sector, to buy or inherit property and to vote.

There are mainly two places of birth in Thailand, i.e., hospital, and out-of-hospital. The birth document is issued by the hospital or the head of the village. Parent/household head is responsible to report the birth to the registration unit located in the district office within 15 days of birth. The birth certificate and the personal identification number are then assigned by the District Registrar at the time of registration of birth.

**Table PR.1.1: Birth registration**

| Percentage of children under age 5 by whether birth is registered, Thailand, 2022 |   |             |                      |                               |                    |
|---|---|-------------|----------------------|-------------------------------|--------------------|
|   | Children whose births are registered with civil authorities |             |                      |                               | Number of children |
|   | Have birth certificate                                      |             | No birth certificate | Total registered <sup>1</sup> |                    |
|   | Seen  | Not seen    |                      |                               |                    |
| <b>Total</b>  | <b>71.5</b>   | <b>27.3</b> | <b>1.0</b>           | <b>99.8</b>                   | <b>10,502</b>      |
| <b>Sex</b>  |   |             |                      |                               |                    |
| Male  | 71.7  | 26.8        | 1.4                  | 99.9                          | 5,640              |
| Female  | 71.3  | 27.8        | 0.6                  | 99.7                          | 4,862              |
| <b>Area</b>   |   |             |                      |                               |                    |
| Urban   | 62.7  | 35.5        | 1.5                  | 99.7                          | 4,273              |
| Rural   | 77.6  | 21.6        | 0.7                  | 99.9                          | 6,229              |
| <b>Region</b>   |   |             |                      |                               |                    |
| Bangkok   | 40.9  | 56.7        | 1.5                  | 99.1                          | 830                |
| Central   | 71.6  | 25.9        | 2.4                  | 99.9                          | 2,783              |
| North   | 78.4  | 21.1        | 0.3                  | 99.8                          | 1,832              |
| Northeast   | 75.7  | 23.8        | 0.5                  | 100.0                         | 3,259              |
| South   | 71.0  | 28.4        | 0.5                  | 99.8                          | 1,797              |
| <b>Age (in months)</b>  |   |             |                      |                               |                    |
| 0-11  | 72.4  | 26.4        | 1.0                  | 99.8                          | 1,648              |
| 12-23   | 77.0  | 22.1        | 0.9                  | 100.0                         | 1,994              |
| 24-35   | 71.7  | 26.8        | 1.3                  | 99.8                          | 2,276              |
| 36-47   | 69.7  | 28.8        | 1.1                  | 99.6                          | 2,283              |
| 48-59   | 67.9  | 31.2        | 0.8                  | 100.0                         | 2,300              |

<sup>1</sup> UNICEF. *Every Child's Birth Right: Inequities and trends in birth registration*. New York: UNICEF, 2013.

[https://www.unicef.org/publications/files/Birth\\_Registration\\_11\\_Dec\\_13.pdf](https://www.unicef.org/publications/files/Birth_Registration_11_Dec_13.pdf).



**Table PR.1.1: Birth registration (continued)**

Percentage of children under age 5 by whether birth is registered, Thailand, 2022

|  | Children whose births are registered with civil authorities |          |                      | Total registered <sup>1</sup> | Number of children |
|--|---|----------|----------------------|-------------------------------|--------------------|
|  | Have birth certificate                                      |          | No birth certificate |                               |                    |
|  | Seen  | Not seen |                      |                               |                    |
| <b>Mother's education</b>  |   |          |                      |                               |                    |
| Pre-primary or none  | 57.0  | 30.1     | 11.7                 | 98.7                          | 461                |
| Primary  | 71.2  | 27.6     | 0.8                  | 99.6                          | 2,729              |
| Lower secondary  | 74.8  | 24.9     | 0.3                  | 100.0                         | 2,039              |
| Upper secondary  | 75.3  | 23.8     | 0.9                  | 100.0                         | 2,397              |
| Higher   | 68.6  | 31.2     | 0.2                  | 100.0                         | 2,842              |
| <b>Native language of household head</b>   |   |          |                      |                               |                    |
| Thai   | 71.4  | 27.8     | 0.7                  | 99.9                          | 9,331              |
| Non-Thai   | 72.4  | 23.1     | 3.7                  | 99.3                          | 1,171              |
| <b>Wealth index quintile</b>   |   |          |                      |                               |                    |
| Poorest  | 75.3  | 22.0     | 2.3                  | 99.6                          | 2,362              |
| Second   | 72.1  | 26.2     | 1.3                  | 99.6                          | 2,236              |
| Middle   | 70.7  | 28.7     | 0.6                  | 100.0                         | 2,140              |
| Fourth   | 74.3  | 25.2     | 0.5                  | 100.0                         | 2,036              |
| Richest  | 63.4  | 36.4     | 0.1                  | 100.0                         | 1,729              |
| <sup>1</sup> MICS indicator PR.1 - Birth registration; SDG indicator 16.9.1  |   |          |                      |                               |                    |
| Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases. |   |          |                      |                               |                    |

## 8.2 CHILD DISCIPLINE

Teaching children self-control and acceptable behaviour is an integral part of child discipline in all cultures. Positive parenting practices involve providing guidance on how to handle emotions or conflicts in manners that encourage judgment and responsibility and preserve children's self-esteem, physical and psychological integrity and dignity. Too often however, children are raised using punitive methods that rely on the use of physical force or verbal intimidation to obtain desired behaviours. Studies<sup>2</sup> have found that exposing children to violent discipline has harmful consequences, which range from immediate impacts to long-term harm that children carry forward into adult life. Violence hampers children's development, learning abilities and school performance; it inhibits positive relationships, provokes low self-esteem, emotional distress and depression; and, at times, it leads to risk taking and self-harm.

In the Thailand MICS 2022, mothers or caretakers of children under age five and of one randomly selected child aged 5-14 were asked a series of questions on the methods adults in the household used to discipline the child during the past month and if the respondent believes that physical punishment is a necessary part of child-rearing. Tables PR.2.1 and PR.2.2 present the results.

<sup>2</sup> Straus, M. and M. Paschall. "Corporal Punishment by Mothers and Development of Children's Cognitive Ability: A Longitudinal Study of Two Nationally Representative Age Cohorts." *Journal of Aggression, Maltreatment & Trauma* 18, no. 5 (2009): 459-83. doi:10.1080/10926770903035168.; Erickson, M. and B. Egeland. "A Developmental View of the Psychological Consequences of Maltreatment." *School Psychology Review* 16, no. 2 (1987): 156-68. <http://psycnet.apa.org/record/1987-29817-001>.; Schneider, M. et al. "Do Allegations of Emotional Maltreatment Predict Developmental Outcomes beyond That of Other Forms of Maltreatment?" *Child Abuse & Neglect* 29, no. 5 (2005): 513-32. doi:10.1016/j.chiabu.2004.08.010.

**Table PR.2.1: Child discipline**

Percentage of children age 1-14 years by child disciplining methods experienced during the last one month, Thailand, 2022

|  | Percentage of children age 1-14 years who experienced: |                          |                     |                     |  | Number of children age 1-14 years |
|--|--|--------------------------|---------------------|---------------------|--|-----------------------------------|
|  | Only non-violent discipline                            | Psychological aggression | Physical punishment |                     | Any violent discipline method <sup>1</sup> |                                   |
|  |  |                          | Any                 | Severe <sup>A</sup> |  |                                   |
| <b>Total</b>                             | <b>41.8</b>  | <b>37.9</b>              | <b>38.6</b>         | <b>1.5</b>          | <b>53.8</b>                                | <b>22,416</b>                     |
| <b>Sex</b>                               |  |                          |                     |                     |  |                                   |
| Male                                     | 39.5   | 39.1                     | 41.8                | 1.6                 | 56.0                                       | 11,766                            |
| Female                                   | 44.3   | 36.6                     | 35.1                | 1.4                 | 51.3                                       | 10,650                            |
| <b>Area</b>                              |  |                          |                     |                     |  |                                   |
| Urban                                    | 43.2   | 35.9                     | 37.3                | 1.3                 | 53.1                                       | 9,355                             |
| Rural                                    | 40.8   | 39.3                     | 39.5                | 1.6                 | 54.2                                       | 13,061                            |
| <b>Region</b>                            |  |                          |                     |                     |  |                                   |
| Bangkok                                  | 44.4   | 33.3                     | 44.1                | 2.1                 | 54.9                                       | 1,927                             |
| Central                                  | 45.1   | 31.5                     | 33.5                | 1.3                 | 45.3                                       | 5,946                             |
| North                                    | 38.1   | 48.0                     | 33.6                | 1.1                 | 58.0                                       | 3,777                             |
| Northeast                                | 42.5   | 38.6                     | 39.9                | 1.8                 | 54.7                                       | 7,081                             |
| South                                    | 37.8   | 39.0                     | 46.7                | 1.2                 | 60.5                                       | 3,685                             |
| <b>Age</b>                               |  |                          |                     |                     |  |                                   |
| 1-2                                      | 45.4   | 27.9                     | 39.0                | 1.4                 | 47.6                                       | 4,274                             |
| 3-4                                      | 35.8   | 40.0                     | 50.6                | 2.1                 | 60.4                                       | 4,583                             |
| 5-9                                      | 39.2   | 40.5                     | 43.8                | 1.5                 | 57.8                                       | 6,544                             |
| 10-14                                    | 46.0   | 40.3                     | 25.6                | 1.1                 | 49.4                                       | 7,015                             |
| <b>Mother's education</b>                |  |                          |                     |                     |  |                                   |
| Pre-primary or none                      | 41.5   | 33.0                     | 41.5                | 3.1                 | 54.3                                       | 853                               |
| Primary                                  | 39.6   | 42.5                     | 39.7                | 2.0                 | 57.3                                       | 7,327                             |
| Lower secondary                          | 41.7   | 38.1                     | 38.4                | 1.6                 | 52.8                                       | 4,352                             |
| Upper secondary                          | 37.3   | 40.8                     | 42.6                | 1.3                 | 58.1                                       | 4,524                             |
| Higher                                   | 49.0   | 29.8                     | 33.3                | 0.7                 | 45.9                                       | 5,343                             |
| <b>Native language of household head</b> |  |                          |                     |                     |  |                                   |
| Thai                                     | 42.4   | 37.4                     | 37.8                | 1.5                 | 52.9                                       | 20,296                            |
| Non-Thai                                 | 36.5   | 43.3                     | 46.1                | 1.4                 | 62.0                                       | 2,119                             |
| <b>Wealth index quintile</b>             |  |                          |                     |                     |  |                                   |
| Poorest                                  | 35.4   | 46.4                     | 43.9                | 1.6                 | 62.0                                       | 4,922                             |
| Second                                   | 40.3   | 38.4                     | 42.2                | 2.6                 | 56.1                                       | 4,815                             |
| Middle                                   | 37.3   | 38.7                     | 38.9                | 1.5                 | 55.5                                       | 4,512                             |
| Fourth                                   | 45.7   | 35.2                     | 37.2                | 0.6                 | 50.7                                       | 4,320                             |
| Richest                                  | 53.0   | 28.5                     | 28.5                | 0.8                 | 41.6                                       | 3,847                             |

<sup>1</sup> MICS indicator PR.2 - Violent discipline; SDG 16.2.1

<sup>A</sup> Severe physical punishment includes: 1) Hit or slapped on the face, head or ears or 2) Beat up, that is, hit over and over as hard as one could  
 Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.

**Table PR.2.2: Attitudes toward physical punishment**

Percentage of mothers/caretakers of children age 1-14 years who believe that physical punishment is needed to bring up, raise, or educate a child properly, Thailand, 2022

|  | Percentage of mothers/caretakers who believe that a child needs to be physically punished | Number of mothers/ caretakers responding to a child discipline module |
|--|---|---|
| <b>Total</b>                             | <b>38.7</b>   | <b>15,790</b>   |
| <b>Sex</b>                               |   |   |
| Male                                     | 39.1  | 1,058   |
| Female                                   | 38.6  | 14,731  |
| <b>Area</b>                              |   |   |
| Urban                                    | 35.8  | 6,924   |
| Rural                                    | 40.9  | 8,865   |
| <b>Region</b>                            |   |   |
| Bangkok                                  | 25.2  | 1,477   |
| Central                                  | 36.9  | 4,298   |
| North                                    | 36.4  | 2,722   |
| Northeast                                | 41.0  | 4,936   |
| South                                    | 48.1  | 2,357   |
| <b>Age</b>                               |   |   |
| <25                                      | 39.5  | 1,052   |
| 25-34                                    | 35.8  | 4,041   |
| 35-49                                    | 38.6  | 6,564   |
| 50+                                      | 41.3  | 4,134   |
| <b>Education</b>                         |   |   |
| Pre-primary or none                      | 39.3  | 572   |
| Primary                                  | 42.8  | 5,357   |
| Lower secondary                          | 40.8  | 2,994   |
| Upper secondary                          | 39.3  | 3,194   |
| Higher                                   | 30.1  | 3,660   |
| <b>Native language of household head</b> |   |   |
| Thai                                     | 38.6  | 14,515  |
| Non-Thai                                 | 40.0  | 1,274   |
| <b>Wealth index quintile</b>             |   |   |
| Poorest                                  | 43.8  | 3,397   |
| Second                                   | 40.1  | 3,390   |
| Middle                                   | 41.5  | 3,053   |
| Fourth                                   | 35.3  | 3,179   |
| Richest                                  | 31.5  | 2,769   |

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.

### 8.3 CHILD MARRIAGE

Marriage<sup>3</sup> before the age of 18 is violation of human rights, yet remains a reality for many children. The right to 'free and full' consent to a marriage is recognized in the Universal Declaration of Human Rights - with the recognition that consent cannot be 'free and full' when one of the parties involved is not sufficiently mature to make an informed decision about a life partner. In the Sustainable Development Goals, child marriage has been identified as a harmful practice which the world should aim to eliminate by 2030.

Child marriage is more common among girls than boys, but does occur around the world among children of both sexes. The impacts specific to boys married in childhood are not yet well understood, but marriage does place boys in an adult role accompanied by responsibilities for which they may not be prepared.

In many parts of the world parents encourage the marriage of their daughters while they are still children in hopes that the marriage will benefit them both financially and socially, while also relieving financial burdens on the family. In actual fact, child marriage compromises the development of girls and often results in early pregnancy and social isolation, with little education and poor vocational training reinforcing the gendered nature of poverty.<sup>4</sup>

Closely related to the issue of child marriage is the age at which sexual activity – and for females, childbearing – may begin. Women who were married before the age of 18 tend to have more children than those who marry later in life and are less likely to receive maternal health care services.<sup>5,6</sup> In addition, pregnancy related deaths are known to be a leading cause of mortality for both married and unmarried girls between the ages of 15 and 19.

Tables PR.3.1W and PR.3.1M present the percentage of women and men married before ages 15 and 18 years, the percentage of adolescent girls and boys aged 15-19 years who are currently married, and the percentage of women and men in a polygynous union.

Tables PR.3.2W and PR.3.2M present, respectively, the proportion of women and men who were first married or entered into a marital union before age 15 and 18 by area and age groups. Examining the percentages married before ages 15 and 18 across different age groups allow for trends to be observed in child marriage over time.

Another component is the spousal age difference with the indicator being the percentage of married/in union women 10 or more years younger than their current spouse. Table PR.3.3 presents the results of the age difference between women and their husband or partner.

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<sup>3</sup> All references to marriage in this chapter include cohabiting unions as well.

<sup>4</sup> Bajracharya, A. and N. Amin, S. *Poverty, marriage timing, and transitions to adulthood in Nepal: A longitudinal analysis using the Nepal living standards survey*. Poverty, Gender, and Youth Working Paper No. 19. New York: Population Council, 2010. <http://www.popcouncil.org/uploads/pdfs/wp/pgy/019.pdf>;

Godha, D. et al. 2011. *The influence of child marriage on fertility, fertility-control, and maternal health care utilization*. MEASURE/Evaluation PRH Project Working paper 11-124.

<sup>5</sup> Godha D., D. Hotchkiss and A. Gage. "Association Between Child Marriage and Reproductive Health Outcomes and Service Utilization: A Multi-Country Study from South Asia." *Journal of Adolescent Health* 52, no. 5 (2013): 552-58. doi:10.1016/j.jadohealth.2013.01.021.

<sup>6</sup> Nour, N. "Health Consequences of Child Marriage in Africa." *Emerging Infectious Diseases* 12, no. 11 (2006): 1644-649. doi:10.3201/eid1211.060510.

**Table PR.3.1W: Child marriage and polygyny (women)**

Percentage of women age 15-49 years who first married or entered a marital union before their 15th birthday, percentages of women age 20-49 and 20-24 years who first married or entered a marital union before their 15th and 18th birthdays, percentage of women age 15-19 years currently married or in union, and the percentage of women who are in a polygynous marriage or union, Thailand, 2022

|               | Women age 15-49 years            |                                 |                                  | Women age 20-49 years            |                                 |   | Women age 20-24 years                         |                                 |  | Women age 15-19 years           |  | Women age 15-49 years                                      |  |
|---------------|----------------------------------|---------------------------------|----------------------------------|----------------------------------|---------------------------------|---|---|---------------------------------|--|---------------------------------|--|--|--|
|               | Percentage married before age 15 | Number of women age 15-49 years | Percentage married before age 15 | Percentage married before age 18 | Number of women age 20-49 years | Percentage married before age 15 <sup>1</sup> | Percentage married before age 18 <sup>2</sup> | Number of women age 20-24 years | Percentage currently married/in union <sup>3</sup> | Number of women age 15-19 years | Percentage in polygynous marriage/union <sup>4</sup> | Number of women age 15-49 years currently married/in union |  |
| <b>Total</b>  | <b>3.4</b>                       | <b>21,089</b>                   | <b>3.6</b>                       | <b>15.9</b>                      | <b>18,647</b>                   | <b>5.5</b>                                    | <b>17.0</b>                                   | <b>2,152</b>                    | <b>7.7</b>   | <b>2,442</b>                    | <b>1.4</b>   | <b>11,840</b>  |  |
| <b>Area</b>   |                                  |                                 |                                  |                                  |                                 |   |   |                                 |  |                                 |  |  |  |
| Urban         | 2.8                              | 11,566                          | 2.9                              | 13.0                             | 10,405                          | 3.3   | 12.7  | 1,249                           | 8.4  | 1,161                           | 1.4  | 6,049  |  |
| Rural         | 4.2                              | 9,523                           | 4.4                              | 19.5                             | 8,242                           | 8.5   | 22.9  | 903                             | 6.9  | 1,281                           | 1.4  | 5,790  |  |
| <b>Region</b> |                                  |                                 |                                  |                                  |                                 |   |   |                                 |  |                                 |  |  |  |
| Bangkok       | 2.3                              | 3,464                           | 2.5                              | 10.2                             | 3,193                           | 2.5   | 8.8   | 432                             | 4.1  | 271                             | 1.9  | 1,611  |  |
| Central       | 3.6                              | 7,165                           | 3.6                              | 14.0                             | 6,462                           | 7.2   | 19.3  | 726                             | 10.6   | 703                             | 1.5  | 3,914  |  |
| North         | 3.9                              | 2,837                           | 4.2                              | 20.7                             | 2,467                           | 10.9  | 24.4  | 228                             | 9.4  | 370                             | 1.3  | 1,757  |  |
| Northeast     | 3.5                              | 4,778                           | 3.7                              | 18.9                             | 4,046                           | 3.8   | 17.2  | 473                             | 5.9  | 732                             | 0.9  | 2,759  |  |
| South         | 3.9                              | 2,846                           | 4.0                              | 18.2                             | 2,479                           | 4.4   | 17.2  | 294                             | 6.4  | 367                             | 1.6  | 1,799  |  |
| <b>Age</b>    |                                  |                                 |                                  |                                  |                                 |   |   |                                 |  |                                 |  |  |  |
| 15-19         | 2.6                              | 2,442                           | na                               | na                               | na                              | na  | na  | na                              | 7.7  | 2,442                           | 0.0  | 187  |  |
| 15-17         | 2.3                              | 1,583                           | na                               | na                               | na                              | na  | na  | na                              | 3.6  | 1,583                           | 0.0  | 57   |  |
| 18-19         | 3.2                              | 860                             | na                               | na                               | na                              | na  | na  | na                              | 15.2   | 860                             | 0.0  | 130  |  |
| 20-24         | 5.5                              | 2,152                           | 5.5                              | 17.0                             | 2,152                           | 5.5   | 17.0  | 2,152                           | na   | na                              | 1.1  | 724  |  |
| 25-29         | 3.4                              | 3,073                           | 3.4                              | 15.9                             | 3,073                           | na  | na  | na                              | na   | na                              | 1.4  | 1,532  |  |
| 30-34         | 5.2                              | 3,004                           | 5.2                              | 17.6                             | 3,004                           | na  | na  | na                              | na   | na                              | 0.7  | 1,947  |  |
| 35-39         | 2.7                              | 3,146                           | 2.7                              | 14.4                             | 3,146                           | na  | na  | na                              | na   | na                              | 1.4  | 2,175  |  |
| 40-44         | 3.0                              | 3,494                           | 3.0                              | 16.6                             | 3,494                           | na  | na  | na                              | na   | na                              | 1.4  | 2,537  |  |
| 45-49         | 2.5                              | 3,778                           | 2.5                              | 14.4                             | 3,778                           | na  | na  | na                              | na   | na                              | 2.1  | 2,739  |  |

Table PR.3.1W: Child marriage and polygyny (women) (continued)

Percentage of women age 15-49 years who first married or entered a marital union before their 15th birthday, percentages of women age 20-49 and 20-24 years who first married or entered a marital union before their 15th and 18th birthdays, percentage of women age 15-19 years currently married or in union, and the percentage of women who are in a polygynous marriage or union, Thailand, 2022

|  | Women age 15-49 years            |                                 |                                  | Women age 20-49 years            |                                 |   | Women age 20-24 years                         |                                 |  | Women age 15-19 years           |  | Women age 15-49 years                                      |  |
|--|----------------------------------|---------------------------------|----------------------------------|----------------------------------|---------------------------------|---|---|---------------------------------|--|---------------------------------|--|--|--|
|  | Percentage married before age 15 | Number of women age 15-49 years | Percentage married before age 15 | Percentage married before age 18 | Number of women age 20-49 years | Percentage married before age 15 <sup>1</sup> | Percentage married before age 18 <sup>2</sup> | Number of women age 20-24 years | Percentage currently married/in union <sup>3</sup> | Number of women age 15-19 years | Percentage in polygynous marriage/union <sup>4</sup> | Number of women age 15-49 years currently married/in union |  |
| <b>Education</b>                         |                                  |                                 |                                  |                                  |                                 |   |   |                                 |  |                                 |  |  |  |
| Pre-primary or none                      | 6.3                              | 435                             | 6.4                              | 25.3                             | 408                             | (5.6)   | (12.7)  | 31                              | (49.5)   | 27                              | 0.7  | 338  |  |
| Primary                                  | 8.2                              | 3,238                           | 7.8                              | 29.7                             | 3,176                           | 33.3  | 47.8  | 116                             | 50.3   | 62                              | 1.6  | 2,567  |  |
| Lower secondary                          | 6.1                              | 3,817                           | 5.7                              | 28.7                             | 3,396                           | 9.7   | 46.2  | 334                             | 19.9   | 420                             | 1.1  | 2,590  |  |
| Upper secondary                          | 2.2                              | 5,457                           | 3.0                              | 16.1                             | 3,870                           | 4.8   | 20.5  | 484                             | 3.0  | 1,587                           | 2.0  | 2,682  |  |
| Higher                                   | 1.0                              | 8,012                           | 1.0                              | 4.1                              | 7,666                           | 1.9   | 4.5   | 1,168                           | 3.4  | 345                             | 1.1  | 3,589  |  |
| DK/Missing                               | 0.0                              | 130                             | 0.0                              | 0.0                              | 130                             | (*)   | (*)   | 20                              | –  | 0                               | (2.3)  | 74   |  |
| <b>Native language of household head</b> |                                  |                                 |                                  |                                  |                                 |   |   |                                 |  |                                 |  |  |  |
| Thai                                     | 3.3                              | 19,592                          | 3.4                              | 15.4                             | 17,318                          | 4.9   | 16.1  | 1,970                           | 7.7  | 2,275                           | 1.5  | 10,804   |  |
| Non-Thai                                 | 4.8                              | 1,497                           | 5.2                              | 22.2                             | 1,329                           | 12.2  | 26.1  | 182                             | 7.6  | 168                             | 1.0  | 1,036  |  |
| <b>Wealth index quintile</b>             |                                  |                                 |                                  |                                  |                                 |   |   |                                 |  |                                 |  |  |  |
| Poorest                                  | 7.0                              | 3,223                           | 7.8                              | 25.9                             | 2,750                           | 12.4  | 28.5  | 359                             | 9.6  | 473                             | 1.5  | 2,111  |  |
| Second                                   | 3.8                              | 4,185                           | 3.9                              | 20.3                             | 3,596                           | 5.7   | 20.1  | 476                             | 10.3   | 589                             | 1.3  | 2,296  |  |
| Middle                                   | 3.2                              | 4,358                           | 3.2                              | 15.4                             | 3,889                           | 3.6   | 15.2  | 452                             | 9.8  | 469                             | 1.8  | 2,455  |  |
| Fourth                                   | 2.9                              | 4,431                           | 2.7                              | 14.2                             | 4,008                           | 3.9   | 17.1  | 420                             | 6.9  | 423                             | 1.5  | 2,458  |  |
| Richest                                  | 1.5                              | 4,891                           | 1.6                              | 7.9                              | 4,404                           | 3.1   | 6.2   | 446                             | 1.2  | 487                             | 1.1  | 2,519  |  |

<sup>1</sup> MICS indicator PR.4a - Child marriage (before age 15); SDG 5.3.1

<sup>2</sup> MICS indicator PR.4b - Child marriage (before age 18); SDG 5.3.1

<sup>3</sup> MICS indicator PR.5 - Young women age 15-19 years currently married or in union

<sup>4</sup> MICS indicator PR.6 - Polygyny

na: not applicable

'-' denotes 0 unweighted case in the denominator.

(\*) Figures that are based on less than 25 unweighted cases.

Table PR.3.1M: Child marriage and polygyny (men)

Percentage of men age 15-49 years who first married or entered a marital union before their 15th birthday, percentages of men age 20-49 and 20-24 years who first married or entered a marital union before their 15th and 18th birthdays, percentage of men age 15-19 years currently married or in union, and the percentage of men who are in a polygynous marriage or union, Thailand, 2022

|               | Men age 15-49 years              |                               | Men age 20-49 years              |                                  |                               | Men age 20-24 years                           |   |                               | Men age 15-19 years                                 |                               | Men age 15-49 years                                   |   |
|---------------|----------------------------------|-------------------------------|----------------------------------|----------------------------------|-------------------------------|---|---|-------------------------------|---|-------------------------------|---|---|
|               | Percentage married before age 15 | Number of men age 15-49 years | Percentage married before age 15 | Percentage married before age 18 | Number of men age 20-49 years | Percentage married before age 15 <sup>1</sup> | Percentage married before age 18 <sup>2</sup> | Number of men age 20-24 years | Percentage currently married/ in union <sup>3</sup> | Number of men age 15-19 years | Percentage in polygynous marriage/ union <sup>4</sup> | Number of men age 15-49 years currently married/ in union |
| <b>Total</b>  | <b>1.0</b>                       | <b>9,452</b>                  | <b>1.1</b>                       | <b>6.6</b>                       | <b>8,239</b>                  | <b>0.6</b>                                    | <b>5.8</b>                                    | <b>1,114</b>                  | <b>2.7</b>  | <b>1,213</b>                  | <b>1.6</b>  | <b>4,395</b>  |
| <b>Area</b>   |                                  |                               |                                  |                                  |                               |   |   |                               |   |                               |   |   |
| Urban         | 0.6                              | 5,185                         | 0.7                              | 5.5                              | 4,626                         | 0.3   | 5.5   | 624                           | 3.6   | 559                           | 1.8   | 2,460   |
| Rural         | 1.5                              | 4,267                         | 1.6                              | 8.1                              | 3,614                         | 0.9   | 6.3   | 490                           | 1.8   | 654                           | 1.4   | 1,935   |
| <b>Region</b> |                                  |                               |                                  |                                  |                               |   |   |                               |   |                               |   |   |
| Bangkok       | 0.2                              | 1,546                         | 0.2                              | 4.6                              | 1,401                         | 0.0   | 2.4   | 209                           | 1.6   | 146                           | 2.1   | 668   |
| Central       | 0.8                              | 3,201                         | 0.9                              | 6.8                              | 2,840                         | 0.1   | 8.8   | 368                           | 3.2   | 361                           | 2.4   | 1,540   |
| North         | 1.6                              | 1,280                         | 1.8                              | 9.0                              | 1,110                         | 1.9   | 5.7   | 147                           | 1.0   | 170                           | 1.7   | 617   |
| Northeast     | 0.9                              | 2,084                         | 0.8                              | 5.3                              | 1,714                         | 0.5   | 6.6   | 195                           | 3.4   | 371                           | 0.6   | 893   |
| South         | 2.2                              | 1,340                         | 2.2                              | 8.3                              | 1,175                         | 1.0   | 3.2   | 195                           | 2.5   | 165                           | 0.7   | 677   |
| <b>Age</b>    |                                  |                               |                                  |                                  |                               |   |   |                               |   |                               |   |   |
| 15-19         | 0.7                              | 1,213                         | na                               | na                               | na                            | na  | na  | na                            | 2.7   | 1,213                         | (0.0)   | 32  |
| 15-17         | 0.6                              | 775                           | na                               | na                               | na                            | na  | na  | na                            | 1.1   | 775                           | (*)   | 8   |
| 18-19         | 0.8                              | 438                           | na                               | na                               | na                            | na  | na  | na                            | 5.5   | 438                           | (0.0)   | 24  |
| 20-24         | 0.6                              | 1,114                         | 0.6                              | 5.8                              | 1,114                         | 0.6   | 5.8   | 1,114                         | na  | na                            | 4.9   | 210   |
| 25-29         | 1.3                              | 1,307                         | 1.3                              | 9.0                              | 1,307                         | na  | na  | na                            | na  | na                            | 0.8   | 477   |
| 30-34         | 1.7                              | 1,419                         | 1.7                              | 8.2                              | 1,419                         | na  | na  | na                            | na  | na                            | 2.7   | 778   |
| 35-39         | 1.5                              | 1,355                         | 1.5                              | 7.6                              | 1,355                         | na  | na  | na                            | na  | na                            | 0.6   | 788   |
| 40-44         | 0.7                              | 1,530                         | 0.7                              | 5.5                              | 1,530                         | na  | na  | na                            | na  | na                            | 2.2   | 1,014   |
| 45-49         | 0.6                              | 1,515                         | 0.6                              | 4.0                              | 1,515                         | na  | na  | na                            | na  | na                            | 0.8   | 1,095   |

Table PR.3.1M: Child marriage and polygyny (men) (continued)

Percentage of men age 15-49 years who first married or entered a marital union before their 15th birthday, percentages of men age 20-49 and 20-24 years who first married or entered a marital union before their 15th and 18th birthdays, percentage of men age 15-19 years currently married or in union, and the percentage of men who are in a polygynous marriage or union, Thailand, 2022

|  | Men age 15-49 years              |                               | Men age 20-49 years              |                                  |                               | Men age 20-24 years                           |   |                               | Men age 15-19 years                                 |                               | Men age 15-49 years                                   |   |
|--|----------------------------------|-------------------------------|----------------------------------|----------------------------------|-------------------------------|---|---|-------------------------------|---|-------------------------------|---|---|
|  | Percentage married before age 15 | Number of men age 15-49 years | Percentage married before age 15 | Percentage married before age 18 | Number of men age 20-49 years | Percentage married before age 15 <sup>1</sup> | Percentage married before age 18 <sup>2</sup> | Number of men age 20-24 years | Percentage currently married/ in union <sup>3</sup> | Number of men age 15-19 years | Percentage in polygynous marriage/ union <sup>4</sup> | Number of men age 15-49 years currently married/ in union |
| <b>Education</b>                         |                                  |                               |                                  |                                  |                               |   |   |                               |   |                               |   |   |
| Pre-primary or none                      | 0.4                              | 231                           | 0.4                              | 4.3                              | 217                           | (2.4)   | (9.1)   | 20                            | (*)   | 14                            | 1.8   | 153   |
| Primary                                  | 1.9                              | 1,776                         | 2.0                              | 12.1                             | 1,689                         | 0.5   | 10.0  | 156                           | 6.5   | 87                            | 2.4   | 1,032   |
| Lower secondary                          | 1.8                              | 2,174                         | 1.8                              | 9.8                              | 1,879                         | 1.9   | 13.6  | 234                           | 3.3   | 295                           | 2.8   | 1,025   |
| Upper secondary                          | 0.6                              | 2,605                         | 0.7                              | 5.5                              | 1,934                         | 0.1   | 3.5   | 284                           | 1.5   | 671                           | 0.8   | 1,041   |
| Higher                                   | 0.3                              | 2,622                         | 0.3                              | 1.8                              | 2,479                         | 0.1   | 1.4   | 409                           | 2.5   | 143                           | 0.6   | 1,112   |
| DK/Missing                               | (0.0)                            | 45                            | (0.0)                            | (0.0)                            | 42                            | (*)   | (*)   | 11                            | (*)   | 2                             | (*)   | 32  |
| <b>Native language of household head</b> |                                  |                               |                                  |                                  |                               |   |   |                               |   |                               |   |   |
| Thai                                     | 1.0                              | 8,698                         | 1.1                              | 6.8                              | 7,567                         | 0.4   | 6.2   | 977                           | 2.7   | 1,131                         | 1.7   | 4,004   |
| Non-Thai                                 | 0.8                              | 754                           | 1.0                              | 4.5                              | 673                           | 1.4   | 2.9   | 138                           | 1.7   | 81                            | 1.1   | 391   |
| <b>Wealth index quintile</b>             |                                  |                               |                                  |                                  |                               |   |   |                               |   |                               |   |   |
| Poorest                                  | 1.4                              | 1,855                         | 1.4                              | 7.5                              | 1,612                         | 0.3   | 3.0   | 210                           | 5.3   | 243                           | 1.6   | 848   |
| Second                                   | 1.4                              | 1,996                         | 1.5                              | 8.7                              | 1,764                         | 0.6   | 6.2   | 314                           | 3.3   | 231                           | 3.4   | 849   |
| Middle                                   | 0.9                              | 1,925                         | 1.0                              | 5.3                              | 1,690                         | 0.4   | 8.5   | 236                           | 3.6   | 236                           | 1.0   | 906   |
| Fourth                                   | 0.4                              | 1,824                         | 0.2                              | 6.2                              | 1,570                         | 0.1   | 6.3   | 179                           | 1.1   | 254                           | 1.3   | 882   |
| Richest                                  | 1.0                              | 1,852                         | 1.2                              | 5.4                              | 1,603                         | 1.5   | 4.4   | 175                           | 0.2   | 249                           | 0.9   | 910   |

<sup>1</sup> MICS indicator PR.4a - Child marriage (before age 15)

<sup>2</sup> MICS indicator PR.4b - Child marriage (before age 18)

<sup>3</sup> MICS indicator PR.5 - Young men age 15-19 years currently married or in union

<sup>4</sup> MICS indicator PR.6 - Polygyny

na: not applicable

( ) Figures that are based on 25-49 unweighted cases.

(\*) Figures that are based on less than 25 unweighted cases.



**Table PR.3.2W: Trends in child marriage (women)**

Percentage of women who were first married or entered into a marital union before their 15th and 18th birthday, by area of residence, Thailand, 2022

|                    | Urban                                     |                                 |   |                                 | Rural                                     |                                 |   |                                 | All                                       |                                 |   |                                 |
|--------------------|---|---------------------------------|---|---------------------------------|---|---------------------------------|---|---------------------------------|---|---------------------------------|---|---------------------------------|
|                    | Percentage of women married before age 15 | Number of women age 15-49 years | Percentage of women married before age 18 | Number of women age 20-49 years | Percentage of women married before age 15 | Number of women age 15-49 years | Percentage of women married before age 18 | Number of women age 20-49 years | Percentage of women married before age 15 | Number of women age 15-49 years | Percentage of women married before age 18 | Number of women age 20-49 years |
| <b>Total</b>       | <b>2.8</b>                                | <b>11,566</b>                   | <b>13.0</b>                               | <b>10,405</b>                   | <b>4.2</b>                                | <b>9,523</b>                    | <b>19.5</b>                               | <b>8,242</b>                    | <b>3.4</b>                                | <b>21,089</b>                   | <b>15.9</b>                               | <b>18,647</b>                   |
| <b>Age</b>         |   |                                 |   |                                 |   |                                 |   |                                 |   |                                 |   |                                 |
| 15-19              | 2.4                                       | 1,161                           | na  | na                              | 2.8                                       | 1,281                           | na  | na                              | 2.6                                       | 2,442                           | na  | na                              |
| 15-17              | 2.5                                       | 718                             | na  | na                              | 2.2                                       | 865                             | na  | na                              | 2.3                                       | 1,583                           | na  | na                              |
| 18-19              | 2.2                                       | 443                             | na  | na                              | 4.2                                       | 417                             | na  | na                              | 3.2                                       | 860                             | na  | na                              |
| 20-24              | 3.3                                       | 1,249                           | 12.7                                      | 1,249                           | 8.5                                       | 903                             | 22.9                                      | 903                             | 5.5                                       | 2,152                           | 17.0                                      | 2,152                           |
| 25-29              | 3.2                                       | 1,808                           | 12.4                                      | 1,808                           | 3.6                                       | 1,265                           | 20.9                                      | 1,265                           | 3.4                                       | 3,073                           | 15.9                                      | 3,073                           |
| 30-34              | 4.2                                       | 1,702                           | 13.7                                      | 1,702                           | 6.6                                       | 1,302                           | 22.7                                      | 1,302                           | 5.2                                       | 3,004                           | 17.6                                      | 3,004                           |
| 35-39              | 2.2                                       | 1,788                           | 11.0                                      | 1,788                           | 3.3                                       | 1,358                           | 18.8                                      | 1,358                           | 2.7                                       | 3,146                           | 14.4                                      | 3,146                           |
| 40-44              | 1.7                                       | 1,942                           | 13.5                                      | 1,942                           | 4.7                                       | 1,552                           | 20.4                                      | 1,552                           | 3.0                                       | 3,494                           | 16.6                                      | 3,494                           |
| 45-49              | 3.0                                       | 1,915                           | 14.4                                      | 1,915                           | 2.0                                       | 1,863                           | 14.4                                      | 1,863                           | 2.5                                       | 3,778                           | 14.4                                      | 3,778                           |
| na: not applicable |   |                                 |   |                                 |   |                                 |   |                                 |   |                                 |   |                                 |

**Table PR.3.2M: Trends in child marriage (men)**

Percentage of men who were first married or entered into a marital union before their 15th and 18th birthday, by area of residence, Thailand, 2022

|                    | Urban                                   |                               |   |                               | Rural                                   |                               |   |                               | All                                     |                               |   |                               |
|--------------------|---|-------------------------------|---|-------------------------------|---|-------------------------------|---|-------------------------------|---|-------------------------------|---|-------------------------------|
|                    | Percentage of men married before age 15 | Number of men age 15-49 years | Percentage of men married before age 18 | Number of men age 20-49 years | Percentage of men married before age 15 | Number of men age 15-49 years | Percentage of men married before age 18 | Number of men age 20-49 years | Percentage of men married before age 15 | Number of men age 15-49 years | Percentage of men married before age 18 | Number of men age 20-49 years |
| <b>Total</b>       | <b>0.6</b>                              | <b>5,185</b>                  | <b>5.5</b>                              | <b>4,626</b>                  | <b>1.5</b>                              | <b>4,267</b>                  | <b>8.1</b>                              | <b>3,614</b>                  | <b>1.0</b>                              | <b>9,452</b>                  | <b>6.6</b>                              | <b>8,239</b>                  |
| <b>Age</b>         |   |                               |   |                               |   |                               |   |                               |   |                               |   |                               |
| 15-19              | 0.1                                     | 559                           | na                                      | na                            | 1.2                                     | 654                           | na                                      | na                            | 0.7                                     | 1,213                         | na                                      | na                            |
| 15-17              | 0.0                                     | 390                           | na                                      | na                            | 1.1                                     | 385                           | na                                      | na                            | 0.6                                     | 775                           | na                                      | na                            |
| 18-19              | 0.1                                     | 169                           | na                                      | na                            | 1.3                                     | 269                           | na                                      | na                            | 0.8                                     | 438                           | na                                      | na                            |
| 20-24              | 0.3                                     | 624                           | 5.5                                     | 624                           | 0.9                                     | 490                           | 6.3                                     | 490                           | 0.6                                     | 1,114                         | 5.8                                     | 1,114                         |
| 25-29              | 1.3                                     | 786                           | 6.6                                     | 786                           | 1.4                                     | 521                           | 12.6                                    | 521                           | 1.3                                     | 1,307                         | 9.0                                     | 1,307                         |
| 30-34              | 1.4                                     | 800                           | 8.3                                     | 800                           | 2.0                                     | 619                           | 7.9                                     | 619                           | 1.7                                     | 1,419                         | 8.2                                     | 1,419                         |
| 35-39              | 0.4                                     | 682                           | 3.9                                     | 682                           | 2.6                                     | 673                           | 11.4                                    | 673                           | 1.5                                     | 1,355                         | 7.6                                     | 1,355                         |
| 40-44              | 0.1                                     | 896                           | 5.2                                     | 896                           | 1.6                                     | 634                           | 5.8                                     | 634                           | 0.7                                     | 1,530                         | 5.5                                     | 1,530                         |
| 45-49              | 0.5                                     | 837                           | 3.4                                     | 837                           | 0.7                                     | 678                           | 4.8                                     | 678                           | 0.6                                     | 1,515                         | 4.0                                     | 1,515                         |
| na: not applicable |   |                               |   |                               |   |                               |   |                               |   |                               |   |                               |

Table PR.3.3: Spousal age difference

Percent distribution of women currently married/in union age 15-19 and 20-24 years by age difference with their husband or partner, Thailand, 2022

|  | Percentage of currently married/in union women age 15-19 years whose husband or partner is: |                 |                 |                              |                               |              | Number of women age 15-19 years currently married/in union | Percentage of currently married/in union women age 20-24 years whose husband or partner is: |                 |                 |                              |                               | Number of women age 20-24 years currently married/in union |            |
|--|---|-----------------|-----------------|------------------------------|-------------------------------|--------------|--|---|-----------------|-----------------|------------------------------|-------------------------------|--|------------|
|  | Younger   | 0-4 years older | 5-9 years older | 10+ years older <sup>1</sup> | Husband/partner's age unknown | Total        |  | Younger   | 0-4 years older | 5-9 years older | 10+ years older <sup>2</sup> | Husband/partner's age unknown |  | Total      |
| <b>Total</b>                             | <b>14.3</b>   | <b>47.4</b>     | <b>29.6</b>     | <b>6.7</b>                   | <b>2.0</b>                    | <b>100.0</b> | <b>187</b>   | <b>16.0</b>   | <b>55.2</b>     | <b>18.8</b>     | <b>9.9</b>                   | <b>0.1</b>                    | <b>100.0</b>   | <b>724</b> |
| <b>Area</b>                              |   |                 |                 |                              |                               |              |  |   |                 |                 |                              |                               |  |            |
| Urban                                    | 16.8  | 45.6            | 26.6            | 7.4                          | 3.7                           | 100.0        | 98   | 18.5  | 54.5            | 18.2            | 8.9                          | 0.0                           | 100.0  | 368        |
| Rural                                    | 11.5  | 49.4            | 32.9            | 5.9                          | 0.2                           | 100.0        | 89   | 13.4  | 56.0            | 19.4            | 10.9                         | 0.2                           | 100.0  | 356        |
| <b>Region</b>                            |   |                 |                 |                              |                               |              |  |   |                 |                 |                              |                               |  |            |
| Bangkok                                  | (*)   | (*)             | (*)             | (*)                          | (*)                           | 100.0        | 11   | 20.7  | 52.1            | 11.5            | 15.8                         | 0.0                           | 100.0  | 100        |
| Central                                  | 12.4  | 53.6            | 29.8            | 4.1                          | 0.0                           | 100.0        | 75   | 11.7  | 66.2            | 16.1            | 5.9                          | 0.1                           | 100.0  | 280        |
| North                                    | 8.3   | 40.0            | 38.9            | 1.9                          | 10.8                          | 100.0        | 35   | 21.2  | 45.3            | 21.4            | 11.9                         | 0.2                           | 100.0  | 96         |
| Northeast                                | 22.1  | 40.4            | 25.0            | 12.5                         | 0.0                           | 100.0        | 43   | 14.4  | 47.2            | 28.5            | 9.6                          | 0.2                           | 100.0  | 150        |
| South                                    | 16.0  | 39.3            | 31.7            | 13.0                         | 0.0                           | 100.0        | 24   | 20.8  | 49.2            | 16.3            | 13.7                         | 0.0                           | 100.0  | 98         |
| <b>Education</b>                         |   |                 |                 |                              |                               |              |  |   |                 |                 |                              |                               |  |            |
| Pre-primary or none                      | (*)   | (*)             | (*)             | (*)                          | (*)                           | 100.0        | 13   | (3.2)   | (61.5)          | (23.3)          | (12.0)                       | (0.0)                         | 100.0  | 24         |
| Primary                                  | 16.9  | 22.9            | 40.7            | 19.5                         | 0.0                           | 100.0        | 31   | 7.3   | 55.9            | 15.0            | 21.5                         | 0.3                           | 100.0  | 81         |
| Lower secondary                          | 11.8  | 63.1            | 16.1            | 4.7                          | 4.3                           | 100.0        | 84   | 11.3  | 50.7            | 29.2            | 8.6                          | 0.2                           | 100.0  | 226        |
| Upper secondary                          | 5.9   | 48.5            | 40.3            | 5.2                          | 0.1                           | 100.0        | 47   | 10.6  | 65.0            | 15.1            | 9.3                          | 0.0                           | 100.0  | 213        |
| Higher                                   | (*)   | (*)             | (*)             | (*)                          | (*)                           | 100.0        | 12   | 36.4  | 48.6            | 7.6             | 7.4                          | 0.0                           | 100.0  | 161        |
| <b>Native language of household head</b> |   |                 |                 |                              |                               |              |  |   |                 |                 |                              |                               |  |            |
| Thai                                     | 13.7  | 46.9            | 30.6            | 6.7                          | 2.1                           | 100.0        | 174  | 17.4  | 54.6            | 18.2            | 9.7                          | 0.1                           | 100.0  | 614        |
| Non-Thai                                 | 21.9  | 54.8            | 16.6            | 6.7                          | 0.0                           | 100.0        | 13   | 8.5   | 58.9            | 21.7            | 10.8                         | 0.2                           | 100.0  | 110        |
| <b>Wealth index quintile</b>             |   |                 |                 |                              |                               |              |  |   |                 |                 |                              |                               |  |            |
| Poorest                                  | 26.4  | 42.9            | 24.9            | 5.6                          | 0.3                           | 100.0        | 45   | 11.9  | 50.7            | 22.7            | 14.5                         | 0.3                           | 100.0  | 198        |
| Second                                   | 12.9  | 31.6            | 45.4            | 10.1                         | 0.0                           | 100.0        | 61   | 18.4  | 58.2            | 18.4            | 5.0                          | 0.0                           | 100.0  | 181        |
| Middle                                   | 13.5  | 44.6            | 28.0            | 6.3                          | 7.7                           | 100.0        | 46   | 24.8  | 48.2            | 16.9            | 10.0                         | 0.1                           | 100.0  | 151        |
| Fourth                                   | (2.4)   | (82.6)          | (11.6)          | (3.1)                        | (0.3)                         | 100.0        | 29   | 8.6   | 61.7            | 17.2            | 12.5                         | 0.0                           | 100.0  | 138        |
| Richest                                  | (*)   | (*)             | (*)             | (*)                          | (*)                           | 100.0        | 6  | 17.4  | 65.1            | 15.0            | 2.5                          | 0.0                           | 100.0  | 55         |

<sup>1</sup> MICS indicator PR.7a - Spousal age difference (among women age 15-19)<sup>2</sup> MICS indicator PR.7b - Spousal age difference (among women age 20-24)

( ) Figures that are based on 25-49 unweighted cases.

(\*) Figures that are based on less than 25 unweighted cases.

Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases.

## 8.4 VICTIMISATION

Crime can have a large impact on the lives of victims and the wider community in which they live. Those who are victims of crimes can suffer physically and psychologically and experience loss of assets and income. Crime can also carry significant economic costs to the community through the provision of preventative measures as well as corrective services<sup>7</sup>.

Tables PR.4.1W and PR.4.1M present the percentage of women and men who were victims of robbery or assault in the last 3 and 1 year prior to the survey, by various background characteristics.

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<sup>7</sup> United Nations Office on Drugs and Crime, and United Nations Economic Commission for Europe. *Manual on Victimization Surveys*. Geneva: UN. [https://www.unodc.org/documents/data-and-analysis/Crime-statistics/Manual\\_on\\_Victimization\\_surveys\\_2009\\_web.pdf](https://www.unodc.org/documents/data-and-analysis/Crime-statistics/Manual_on_Victimization_surveys_2009_web.pdf).

**Table PR.4.1W: Victims of robbery and assault (women)**

Percentage of women age 15-49 years who were victims of robbery, assault and either robbery or assault in the last 3 years, last 1 year and multiple times in the last year, Thailand, 2022

|  | Percentage of women age 15-49 years who were victims of: |                    |                                   |                      |                    |                                   | Percentage of women age 15-49 years who experienced physical violence of robbery or assault: |                                 |                                   |               | Number of women |
|--|--|--------------------|-----------------------------------|----------------------|--------------------|-----------------------------------|--|---------------------------------|-----------------------------------|---------------|-----------------|
|  | Robbery <sup>A</sup>                                     |                    |                                   | Assault <sup>B</sup> |                    |                                   | In the last 3 years  | In the last 1 year <sup>1</sup> | Multiple times in the last 1 year |               |                 |
|  | In the last 3 years                                      | In the last 1 year | Multiple times in the last 1 year | In the last 3 years  | In the last 1 year | Multiple times in the last 1 year |  |                                 |                                   |               |                 |
| <b>Total</b>                             | <b>0.6</b>   | <b>0.1</b>         | <b>0.0</b>                        | <b>0.3</b>           | <b>0.1</b>         | <b>0.0</b>                        | <b>0.8</b>   | <b>0.2</b>                      | <b>0.1</b>                        | <b>21,089</b> |                 |
| <b>Area</b>                              |  |                    |                                   |                      |                    |                                   |  |                                 |                                   |               |                 |
| Urban                                    | 0.4  | 0.1                | 0.1                               | 0.2                  | 0.0                | 0.0                               | 0.6  | 0.2                             | 0.1                               | 11,566        |                 |
| Rural                                    | 0.8  | 0.1                | 0.0                               | 0.4                  | 0.1                | 0.1                               | 1.0  | 0.2                             | 0.1                               | 9,523         |                 |
| <b>Region</b>                            |  |                    |                                   |                      |                    |                                   |  |                                 |                                   |               |                 |
| Bangkok                                  | 0.4  | 0.1                | 0.1                               | 0.2                  | 0.0                | 0.0                               | 0.6  | 0.1                             | 0.1                               | 3,464         |                 |
| Central                                  | 0.7  | 0.0                | 0.0                               | 0.3                  | 0.2                | 0.1                               | 0.9  | 0.2                             | 0.1                               | 7,165         |                 |
| North                                    | 0.5  | 0.2                | 0.1                               | 0.5                  | 0.1                | 0.1                               | 0.9  | 0.3                             | 0.1                               | 2,837         |                 |
| Northeast                                | 0.3  | 0.1                | 0.0                               | 0.1                  | 0.0                | 0.0                               | 0.4  | 0.1                             | 0.0                               | 4,778         |                 |
| South                                    | 0.9  | 0.2                | 0.2                               | 0.5                  | 0.0                | 0.0                               | 1.1  | 0.2                             | 0.2                               | 2,846         |                 |
| <b>Age</b>                               |  |                    |                                   |                      |                    |                                   |  |                                 |                                   |               |                 |
| 15-19                                    | 0.1  | 0.0                | 0.0                               | 0.3                  | 0.3                | 0.3                               | 0.4  | 0.3                             | 0.3                               | 2,442         |                 |
| 15-17                                    | 0.1  | 0.0                | 0.0                               | 0.4                  | 0.3                | 0.3                               | 0.5  | 0.3                             | 0.3                               | 1,583         |                 |
| 18-19                                    | 0.0  | 0.0                | 0.0                               | 0.2                  | 0.1                | 0.1                               | 0.2  | 0.1                             | 0.1                               | 860           |                 |
| 20-24                                    | 0.2  | 0.0                | 0.0                               | 0.7                  | 0.2                | 0.1                               | 0.8  | 0.2                             | 0.1                               | 2,152         |                 |
| 25-29                                    | 0.2  | 0.0                | 0.0                               | 0.2                  | 0.0                | 0.0                               | 0.3  | 0.1                             | 0.0                               | 3,073         |                 |
| 30-34                                    | 1.3  | 0.1                | 0.1                               | 0.4                  | 0.0                | 0.0                               | 1.4  | 0.2                             | 0.2                               | 3,004         |                 |
| 35-39                                    | 1.0  | 0.2                | 0.0                               | 0.3                  | 0.0                | 0.0                               | 1.2  | 0.2                             | 0.0                               | 3,146         |                 |
| 40-44                                    | 0.3  | 0.0                | 0.0                               | 0.1                  | 0.0                | 0.0                               | 0.4  | 0.0                             | 0.0                               | 3,494         |                 |
| 45-49                                    | 0.9  | 0.2                | 0.1                               | 0.2                  | 0.0                | 0.0                               | 0.9  | 0.2                             | 0.1                               | 3,778         |                 |
| <b>Education</b>                         |  |                    |                                   |                      |                    |                                   |  |                                 |                                   |               |                 |
| Pre-primary or none                      | 0.8  | 0.8                | 0.0                               | 0.1                  | 0.0                | 0.0                               | 0.9  | 0.8                             | 0.0                               | 435           |                 |
| Primary                                  | 0.9  | 0.1                | 0.0                               | 0.3                  | 0.2                | 0.2                               | 1.0  | 0.3                             | 0.2                               | 3,238         |                 |
| Lower secondary                          | 1.3  | 0.3                | 0.2                               | 0.5                  | 0.1                | 0.1                               | 1.6  | 0.3                             | 0.3                               | 3,817         |                 |
| Upper secondary                          | 0.3  | 0.1                | 0.0                               | 0.2                  | 0.1                | 0.0                               | 0.5  | 0.1                             | 0.1                               | 5,457         |                 |
| Higher                                   | 0.3  | 0.0                | 0.0                               | 0.2                  | 0.0                | 0.0                               | 0.5  | 0.1                             | 0.0                               | 8,012         |                 |
| DK/Missing                               | 0.0  | 0.0                | 0.0                               | 0.0                  | 0.0                | 0.0                               | 0.0  | 0.0                             | 0.0                               | 130           |                 |
| <b>Native language of household head</b> |  |                    |                                   |                      |                    |                                   |  |                                 |                                   |               |                 |
| Thai                                     | 0.6  | 0.1                | 0.1                               | 0.3                  | 0.1                | 0.1                               | 0.8  | 0.2                             | 0.1                               | 19,592        |                 |
| Non-Thai                                 | 0.2  | 0.0                | 0.0                               | 0.1                  | 0.0                | 0.0                               | 0.3  | 0.0                             | 0.0                               | 1,497         |                 |
| <b>Wealth index quintile</b>             |  |                    |                                   |                      |                    |                                   |  |                                 |                                   |               |                 |
| Poorest                                  | 0.6  | 0.2                | 0.0                               | 0.3                  | 0.0                | 0.0                               | 0.7  | 0.2                             | 0.0                               | 3,223         |                 |
| Second                                   | 0.7  | 0.1                | 0.0                               | 0.5                  | 0.3                | 0.2                               | 1.0  | 0.3                             | 0.2                               | 4,185         |                 |
| Middle                                   | 0.5  | 0.1                | 0.0                               | 0.4                  | 0.0                | 0.0                               | 0.8  | 0.1                             | 0.1                               | 4,358         |                 |
| Fourth                                   | 0.3  | 0.1                | 0.1                               | 0.3                  | 0.0                | 0.0                               | 0.6  | 0.1                             | 0.1                               | 4,431         |                 |
| Richest                                  | 0.8  | 0.1                | 0.1                               | 0.0                  | 0.0                | 0.0                               | 0.8  | 0.1                             | 0.1                               | 4,891         |                 |

<sup>1</sup> MICS indicator PR.12 - Experience of robbery and assault

<sup>A</sup> A robbery is here defined as "taking or trying to take something, by using force or threatening to use force".

<sup>B</sup> An assault is here defined as a physical attack.

**Table PR.4.1M: Victims of robbery and assault (men)**

Percentage of men age 15-49 years who were victims of robbery, assault and either robbery or assault in the last 3 years, last 1 year and multiple times in the last year, Thailand, 2022

|  | Percentage of men age 15-49 years who were victims of: |                    |                                   |                      |                    | Percentage of men age 15-49 years who experienced physical violence of robbery or assault: |                                 |                                   |              | Number of men |
|--|--|--------------------|-----------------------------------|----------------------|--------------------|--|---------------------------------|-----------------------------------|--------------|---------------|
|  | Robbery <sup>A</sup>                                   |                    |                                   | Assault <sup>B</sup> |                    | In the last 3 years  | In the last 1 year <sup>1</sup> | Multiple times in the last 1 year |              |               |
|  | In the last 3 years                                    | In the last 1 year | Multiple times in the last 1 year | In the last 3 years  | In the last 1 year |  |                                 |                                   |              |               |
| <b>Total</b>                             | <b>0.7</b>   | <b>0.2</b>         | <b>0.1</b>                        | <b>0.5</b>           | <b>0.2</b>         | <b>1.1</b>   | <b>0.4</b>                      | <b>0.1</b>                        | <b>9,452</b> |               |
| <b>Area</b>                              |  |                    |                                   |                      |                    |  |                                 |                                   |              |               |
| Urban                                    | 0.5  | 0.1                | 0.0                               | 0.3                  | 0.1                | 0.7  | 0.2                             | 0.0                               | 5,185        |               |
| Rural                                    | 0.9  | 0.4                | 0.2                               | 0.8                  | 0.3                | 1.5  | 0.7                             | 0.3                               | 4,267        |               |
| <b>Region</b>                            |  |                    |                                   |                      |                    |  |                                 |                                   |              |               |
| Bangkok                                  | 0.7  | 0.3                | 0.0                               | 0.2                  | 0.0                | 0.7  | 0.3                             | 0.0                               | 1,546        |               |
| Central                                  | 0.2  | 0.0                | 0.0                               | 0.3                  | 0.0                | 0.5  | 0.0                             | 0.0                               | 3,201        |               |
| North                                    | 1.4  | 0.7                | 0.1                               | 1.3                  | 0.6                | 2.2  | 1.1                             | 0.3                               | 1,280        |               |
| Northeast                                | 1.0  | 0.4                | 0.3                               | 0.4                  | 0.2                | 1.4  | 0.6                             | 0.3                               | 2,084        |               |
| South                                    | 0.9  | 0.0                | 0.0                               | 0.9                  | 0.5                | 1.5  | 0.5                             | 0.0                               | 1,340        |               |
| <b>Age</b>                               |  |                    |                                   |                      |                    |  |                                 |                                   |              |               |
| 15-19                                    | 1.5  | 0.2                | 0.2                               | 1.4                  | 0.8                | 2.7  | 1.0                             | 0.2                               | 1,213        |               |
| 15-17                                    | 2.1  | 0.3                | 0.3                               | 1.4                  | 0.7                | 3.1  | 1.0                             | 0.3                               | 775          |               |
| 18-19                                    | 0.6  | 0.1                | 0.1                               | 1.5                  | 1.0                | 2.0  | 1.1                             | 0.1                               | 438          |               |
| 20-24                                    | 0.8  | 0.5                | 0.0                               | 1.0                  | 0.2                | 1.6  | 0.6                             | 0.2                               | 1,114        |               |
| 25-29                                    | 1.0  | 0.0                | 0.0                               | 0.4                  | 0.0                | 1.2  | 0.0                             | 0.0                               | 1,307        |               |
| 30-34                                    | 0.3  | 0.0                | 0.0                               | 0.2                  | 0.0                | 0.4  | 0.0                             | 0.0                               | 1,419        |               |
| 35-39                                    | 0.1  | 0.1                | 0.0                               | 0.1                  | 0.0                | 0.2  | 0.1                             | 0.0                               | 1,355        |               |
| 40-44                                    | 0.9  | 0.6                | 0.4                               | 0.4                  | 0.2                | 1.2  | 0.9                             | 0.4                               | 1,530        |               |
| 45-49                                    | 0.4  | 0.2                | 0.0                               | 0.4                  | 0.1                | 0.7  | 0.3                             | 0.0                               | 1,515        |               |
| <b>Education</b>                         |  |                    |                                   |                      |                    |  |                                 |                                   |              |               |
| Pre-primary or none                      | 0.0  | 0.0                | 0.0                               | 0.0                  | 0.0                | 0.0  | 0.0                             | 0.0                               | 231          |               |
| Primary                                  | 0.8  | 0.6                | 0.4                               | 0.7                  | 0.3                | 1.3  | 0.8                             | 0.4                               | 1,776        |               |
| Lower secondary                          | 1.4  | 0.3                | 0.1                               | 0.7                  | 0.4                | 2.0  | 0.6                             | 0.1                               | 2,174        |               |
| Upper secondary                          | 0.4  | 0.2                | 0.0                               | 0.7                  | 0.2                | 0.9  | 0.2                             | 0.1                               | 2,605        |               |
| Higher                                   | 0.4  | 0.1                | 0.0                               | 0.1                  | 0.0                | 0.5  | 0.1                             | 0.0                               | 2,622        |               |
| DK/Missing                               | (0.0)  | (0.0)              | (0.0)                             | (0.0)                | (0.0)              | (0.0)  | (0.0)                           | (0.0)                             | 45           |               |
| <b>Native language of household head</b> |  |                    |                                   |                      |                    |  |                                 |                                   |              |               |
| Thai                                     | 0.7  | 0.3                | 0.1                               | 0.5                  | 0.2                | 1.1  | 0.4                             | 0.1                               | 8,698        |               |
| Non-Thai                                 | 0.7  | 0.1                | 0.1                               | 0.2                  | 0.0                | 0.9  | 0.1                             | 0.1                               | 754          |               |
| <b>Wealth index quintile</b>             |  |                    |                                   |                      |                    |  |                                 |                                   |              |               |
| Poorest                                  | 1.2  | 0.7                | 0.4                               | 0.9                  | 0.3                | 2.1  | 1.0                             | 0.4                               | 1,855        |               |
| Second                                   | 1.2  | 0.1                | 0.0                               | 1.1                  | 0.6                | 1.9  | 0.6                             | 0.1                               | 1,996        |               |
| Middle                                   | 0.5  | 0.2                | 0.0                               | 0.2                  | 0.0                | 0.6  | 0.2                             | 0.0                               | 1,925        |               |
| Fourth                                   | 0.4  | 0.2                | 0.1                               | 0.3                  | 0.0                | 0.6  | 0.2                             | 0.1                               | 1,824        |               |
| Richest                                  | 0.3  | 0.1                | 0.0                               | 0.1                  | 0.0                | 0.4  | 0.1                             | 0.0                               | 1,852        |               |

<sup>1</sup>MICS indicator PR.12 - Experience of robbery and assault

<sup>A</sup> A robbery is here defined as "taking or trying to take something, by using force or threatening to use force".

<sup>B</sup> An assault is here defined as a physical attack.

( ) Figures that are based on 25-49 unweighted cases

## 8.5 FEELINGS OF SAFETY

Questions about fear, such as feelings of safety and perceptions of crime as a problem, indicate respondents' level of perceived safety in everyday life. This is important as such perceptions limit people's freedom of movement and influence how they manage threats to their safety.<sup>7</sup>

Tables PR.5.1W and PR.5.1M present data for women and men on their feelings of safety for walking alone in their neighbourhood after dark and for being at home alone after dark.

Table PR.5.1W: Feelings of safety (women)

Percent distribution of women age 15-49 years by feeling of safety walking alone in their neighbourhood after dark and being home alone after dark, Thailand, 2022

|               | Percent distribution of women who walking alone in their neighbourhood after dark feel: |             |             |             |                             |              | Percentage of women who feel safe walking alone in their neighbourhood after dark <sup>1</sup> | Percent distribution of women who being home alone after dark feel: |             |            |             |                             |              | Percentage of women who feel safe home alone after dark | Percentage of women who after dark feel very unsafe walking alone in their neighborhood or being home alone | Number of women |
|---------------|---|-------------|-------------|-------------|-----------------------------|--------------|--|---|-------------|------------|-------------|-----------------------------|--------------|---|---|-----------------|
|               | Very safe   | Safe        | Unsafe      | Very unsafe | Never walk alone after dark | Total        |  | Very safe   | Safe        | Unsafe     | Very unsafe | Never home alone after dark | Total        |   |   |                 |
| <b>Total</b>  | <b>12.3</b>   | <b>64.5</b> | <b>13.6</b> | <b>0.9</b>  | <b>8.7</b>                  | <b>100.0</b> | <b>76.7</b>  | <b>18.8</b>   | <b>71.5</b> | <b>4.0</b> | <b>0.3</b>  | <b>5.4</b>                  | <b>100.0</b> | <b>90.3</b>   | <b>1.1</b>  | <b>21,089</b>   |
| <b>Area</b>   |   |             |             |             |                             |              |  |   |             |            |             |                             |              |   |   |                 |
| Urban         | 10.2  | 66.9        | 14.3        | 1.0         | 7.5                         | 100.0        | 77.0   | 15.9  | 74.9        | 3.8        | 0.3         | 5.1                         | 100.0        | 90.7  | 1.2   | 11,566          |
| Rural         | 14.7  | 61.6        | 12.8        | 0.7         | 10.2                        | 100.0        | 76.4   | 22.4  | 67.4        | 4.3        | 0.2         | 5.7                         | 100.0        | 89.7  | 0.9   | 9,523           |
| <b>Region</b> |   |             |             |             |                             |              |  |   |             |            |             |                             |              |   |   |                 |
| Bangkok       | 5.4   | 71.7        | 18.8        | 1.9         | 2.2                         | 100.0        | 77.0   | 7.6   | 86.1        | 3.3        | 0.1         | 2.9                         | 100.0        | 93.5  | 1.9   | 3,464           |
| Central       | 14.1  | 59.7        | 13.7        | 0.8         | 11.7                        | 100.0        | 73.7   | 20.5  | 67.1        | 4.4        | 0.1         | 7.9                         | 100.0        | 87.6  | 0.9   | 7,165           |
| North         | 16.6  | 64.1        | 9.4         | 0.3         | 9.5                         | 100.0        | 80.8   | 26.7  | 64.5        | 2.8        | 0.4         | 5.7                         | 100.0        | 91.1  | 0.7   | 2,837           |
| Northeast     | 11.4  | 68.0        | 12.2        | 0.6         | 7.8                         | 100.0        | 79.3   | 17.8  | 74.1        | 4.3        | 0.4         | 3.4                         | 100.0        | 91.8  | 1.0   | 4,778           |
| South         | 13.1  | 62.4        | 13.9        | 0.8         | 9.8                         | 100.0        | 75.6   | 22.4  | 67.2        | 4.6        | 0.3         | 5.4                         | 100.0        | 89.7  | 1.0   | 2,846           |
| <b>Age</b>    |   |             |             |             |                             |              |  |   |             |            |             |                             |              |   |   |                 |
| 15-19         | 9.8   | 60.8        | 16.0        | 1.2         | 12.1                        | 100.0        | 70.6   | 17.5  | 67.6        | 6.4        | 0.5         | 8.0                         | 100.0        | 85.1  | 1.6   | 2,442           |
| 15-17         | 10.9  | 56.2        | 18.1        | 1.9         | 12.9                        | 100.0        | 67.1   | 19.9  | 64.0        | 7.5        | 0.6         | 8.0                         | 100.0        | 83.9  | 2.3   | 1,583           |
| 18-19         | 7.8   | 69.2        | 12.2        | 0.1         | 10.6                        | 100.0        | 77.1   | 13.2  | 74.2        | 4.3        | 0.3         | 8.1                         | 100.0        | 87.3  | 0.4   | 860             |
| 20-24         | 11.1  | 64.4        | 15.2        | 1.0         | 8.3                         | 100.0        | 75.5   | 16.7  | 72.4        | 5.2        | 0.2         | 5.5                         | 100.0        | 89.2  | 1.1   | 2,152           |
| 25-29         | 11.2  | 62.1        | 15.9        | 1.1         | 9.8                         | 100.0        | 73.2   | 17.2  | 74.4        | 4.4        | 0.2         | 3.8                         | 100.0        | 91.5  | 1.2   | 3,073           |
| 30-34         | 12.2  | 65.4        | 13.3        | 0.6         | 8.6                         | 100.0        | 77.6   | 20.0  | 71.1        | 2.7        | 0.4         | 5.7                         | 100.0        | 91.1  | 0.9   | 3,004           |
| 35-39         | 12.7  | 63.4        | 13.5        | 1.1         | 9.3                         | 100.0        | 76.0   | 17.2  | 73.5        | 2.7        | 0.2         | 6.4                         | 100.0        | 90.5  | 1.3   | 3,146           |
| 40-44         | 12.4  | 68.6        | 11.2        | 0.7         | 7.1                         | 100.0        | 80.9   | 19.2  | 72.6        | 4.1        | 0.2         | 3.9                         | 100.0        | 91.8  | 0.8   | 3,494           |
| 45-49         | 14.9  | 65.4        | 12.1        | 0.6         | 7.0                         | 100.0        | 80.3   | 22.4  | 68.6        | 3.4        | 0.2         | 5.3                         | 100.0        | 91.0  | 0.7   | 3,778           |



Table PR.5.1W: Feelings of safety (women) (continued)

Percent distribution of women age 15-49 years by feeling of safety walking alone in their neighbourhood after dark and being home alone after dark, Thailand, 2022

|  | Percent distribution of women who walking alone in their neighbourhood after dark feel: |      |        |             |                             |       | Percentage of women who feel safe walking alone in their neighbourhood after dark <sup>1</sup> | Percent distribution of women who being home alone after dark feel: |      |        |             |                             |       | Percentage of women who feel safe home alone after dark | Percentage of women who after dark feel very unsafe walking alone in their neighborhood or being home alone | Number of women |
|--|---|------|--------|-------------|-----------------------------|-------|--|---|------|--------|-------------|-----------------------------|-------|---|---|-----------------|
|  | Very safe   | Safe | Unsafe | Very unsafe | Never walk alone after dark | Total |  | Very safe   | Safe | Unsafe | Very unsafe | Never home alone after dark | Total |   |   |                 |
| <b>Education</b>                         |   |      |        |             |                             |       |  |   |      |        |             |                             |       |   |   |                 |
| Pre-primary or none                      | 14.1  | 68.9 | 8.3    | 0.3         | 8.6                         | 100.0 | 82.1   | 12.2  | 78.4 | 1.1    | 0.2         | 8.1                         | 100.0 | 89.7  | 0.5   | 435             |
| Primary                                  | 13.6  | 68.4 | 10.5   | 0.6         | 6.8                         | 100.0 | 82.0   | 20.4  | 69.8 | 4.1    | 0.1         | 5.5                         | 100.0 | 90.3  | 0.7   | 3,238           |
| Lower secondary                          | 10.6  | 67.0 | 12.5   | 1.1         | 8.7                         | 100.0 | 77.6   | 15.8  | 74.5 | 4.3    | 0.5         | 4.9                         | 100.0 | 90.3  | 1.4   | 3,817           |
| Upper secondary                          | 11.4  | 62.9 | 15.3   | 0.9         | 9.5                         | 100.0 | 74.3   | 19.1  | 71.0 | 4.1    | 0.2         | 5.7                         | 100.0 | 90.0  | 1.0   | 5,457           |
| Higher                                   | 13.2  | 62.9 | 14.5   | 0.9         | 8.5                         | 100.0 | 76.0   | 20.0  | 70.4 | 3.9    | 0.3         | 5.3                         | 100.0 | 90.4  | 1.1   | 8,012           |
| DK/Missing                               | 0.0   | 50.8 | 16.9   | 0.0         | 32.3                        | 100.0 | 50.8   | 6.0   | 89.7 | 0.0    | 0.0         | 4.3                         | 100.0 | 95.7  | 0.0   | 130             |
| <b>Native language of household head</b> |   |      |        |             |                             |       |  |   |      |        |             |                             |       |   |   |                 |
| Thai                                     | 12.4  | 64.1 | 13.9   | 0.9         | 8.6                         | 100.0 | 76.5   | 18.8  | 71.5 | 4.1    | 0.3         | 5.3                         | 100.0 | 90.3  | 1.1   | 19,592          |
| Non-Thai                                 | 10.2  | 70.0 | 9.8    | 0.5         | 9.5                         | 100.0 | 79.9   | 19.9  | 70.6 | 2.4    | 0.1         | 7.0                         | 100.0 | 90.2  | 0.6   | 1,497           |
| <b>Wealth index quintile</b>             |   |      |        |             |                             |       |  |   |      |        |             |                             |       |   |   |                 |
| Poorest                                  | 9.4   | 66.9 | 14.5   | 0.5         | 8.7                         | 100.0 | 76.2   | 16.7  | 71.3 | 5.8    | 0.5         | 5.7                         | 100.0 | 87.9  | 0.9   | 3,223           |
| Second                                   | 9.3   | 68.3 | 12.3   | 1.1         | 9.1                         | 100.0 | 77.6   | 14.7  | 76.5 | 3.9    | 0.2         | 4.6                         | 100.0 | 91.2  | 1.2   | 4,185           |
| Middle                                   | 12.3  | 64.1 | 13.4   | 0.9         | 9.3                         | 100.0 | 76.2   | 18.0  | 73.5 | 3.4    | 0.2         | 4.9                         | 100.0 | 91.4  | 1.0   | 4,358           |
| Fourth                                   | 11.8  | 64.2 | 15.1   | 1.0         | 7.8                         | 100.0 | 76.1   | 17.9  | 73.1 | 3.7    | 0.2         | 5.1                         | 100.0 | 91.0  | 1.1   | 4,431           |
| Richest                                  | 17.1  | 60.3 | 13.1   | 0.8         | 8.6                         | 100.0 | 77.4   | 25.4  | 64.0 | 3.7    | 0.2         | 6.6                         | 100.0 | 89.4  | 1.0   | 4,891           |

<sup>1</sup> MICS indicator PR.14 - Safety; SDG indicator 16.1.4

| Table PR.5.1M: Feelings of safety (men)  |   |             |            |             |                             |              |  |   |             |            |             |                             |              |   |               |   |
|--|---|-------------|------------|-------------|-----------------------------|--------------|--|---|-------------|------------|-------------|-----------------------------|--------------|---|---------------|---|
| Percent distribution of men age 15-49 years by feeling of safety walking alone in their neighbourhood after dark and being home alone after dark, Thailand, 2022 |   |             |            |             |                             |              |  |   |             |            |             |                             |              |   |               |   |
|  | Percent distribution of men who walking alone in their neighbourhood after dark feel: |             |            |             |                             |              | Percentage of men who feel safe walking alone in their neighbourhood after dark <sup>1</sup> | Percent distribution of men who being home alone after dark feel: |             |            |             |                             |              | Percentage of men who after dark feel very unsafe walking alone in their neighborhood or being home alone | Number of men |   |
|  | Very safe   | Safe        | Unsafe     | Very unsafe | Never walk alone after dark | Total        |  | Very safe   | Safe        | Unsafe     | Very unsafe | Never home alone after dark | Total        |   |               | Percentage of men who feel safe home alone after dark |
| <b>Total</b>   | <b>18.1</b>   | <b>72.9</b> | <b>7.1</b> | <b>0.2</b>  | <b>1.7</b>                  | <b>100.0</b> | <b>91.0</b>  | <b>24.8</b>   | <b>71.7</b> | <b>1.9</b> | <b>0.1</b>  | <b>1.5</b>                  | <b>100.0</b> | <b>96.5</b>   | <b>0.2</b>    | <b>9,452</b>  |
| <b>Area</b>  |   |             |            |             |                             |              |  |   |             |            |             |                             |              |   |               |   |
| Urban  | 13.5  | 75.8        | 8.3        | 0.3         | 2.2                         | 100.0        | 89.2   | 20.2  | 76.2        | 1.8        | 0.1         | 1.6                         | 100.0        | 96.5  | 0.3           | 5,185   |
| Rural  | 23.7  | 69.4        | 5.7        | 0.0         | 1.2                         | 100.0        | 93.1   | 30.4  | 66.2        | 1.9        | 0.1         | 1.3                         | 100.0        | 96.6  | 0.1           | 4,267   |
| <b>Region</b>  |   |             |            |             |                             |              |  |   |             |            |             |                             |              |   |               |   |
| Bangkok  | 8.0   | 79.3        | 12.0       | 0.2         | 0.6                         | 100.0        | 87.2   | 9.8   | 87.5        | 2.1        | 0.0         | 0.7                         | 100.0        | 97.3  | 0.2           | 1,546   |
| Central  | 20.2  | 70.3        | 7.0        | 0.2         | 2.4                         | 100.0        | 90.5   | 28.6  | 67.4        | 2.0        | 0.0         | 2.0                         | 100.0        | 96.0  | 0.2           | 3,201   |
| North  | 21.4  | 71.8        | 4.8        | 0.0         | 1.9                         | 100.0        | 93.2   | 31.1  | 65.8        | 1.5        | 0.0         | 1.6                         | 100.0        | 96.7  | 0.0           | 1,280   |
| Northeast  | 19.7  | 72.1        | 6.7        | 0.4         | 1.1                         | 100.0        | 91.8   | 24.4  | 72.0        | 2.1        | 0.3         | 1.2                         | 100.0        | 96.4  | 0.6           | 2,084   |
| South  | 19.0  | 74.1        | 4.6        | 0.0         | 2.3                         | 100.0        | 93.1   | 27.9  | 68.9        | 1.3        | 0.0         | 1.7                         | 100.0        | 96.9  | 0.0           | 1,340   |
| <b>Age</b>   |   |             |            |             |                             |              |  |   |             |            |             |                             |              |   |               |   |
| 15-19  | 20.4  | 69.6        | 6.7        | 0.2         | 3.2                         | 100.0        | 90.0   | 25.9  | 69.8        | 2.1        | 0.3         | 1.9                         | 100.0        | 95.7  | 0.4           | 1,213   |
| 15-17  | 20.6  | 67.5        | 8.2        | 0.0         | 3.7                         | 100.0        | 88.1   | 23.6  | 70.8        | 2.4        | 0.4         | 2.8                         | 100.0        | 94.4  | 0.4           | 775   |
| 18-19  | 20.1  | 73.3        | 3.9        | 0.5         | 2.2                         | 100.0        | 93.4   | 30.1  | 67.9        | 1.6        | 0.0         | 0.3                         | 100.0        | 98.1  | 0.5           | 438   |
| 20-24  | 15.7  | 76.2        | 6.2        | 0.6         | 1.3                         | 100.0        | 91.9   | 22.6  | 74.0        | 2.2        | 0.1         | 1.0                         | 100.0        | 96.7  | 0.6           | 1,114   |
| 25-29  | 18.0  | 71.6        | 8.3        | 0.1         | 2.0                         | 100.0        | 89.6   | 22.6  | 72.5        | 2.3        | 0.1         | 2.4                         | 100.0        | 95.1  | 0.2           | 1,307   |
| 30-34  | 17.0  | 74.3        | 7.0        | 0.2         | 1.5                         | 100.0        | 91.3   | 24.7  | 72.4        | 2.1        | 0.0         | 0.8                         | 100.0        | 96.9  | 0.2           | 1,419   |
| 35-39  | 18.9  | 74.1        | 6.5        | 0.2         | 0.3                         | 100.0        | 93.0   | 24.1  | 73.0        | 1.8        | 0.0         | 1.1                         | 100.0        | 97.1  | 0.2           | 1,355   |
| 40-44  | 16.4  | 73.8        | 7.6        | 0.1         | 2.0                         | 100.0        | 90.3   | 24.1  | 72.9        | 1.4        | 0.0         | 1.6                         | 100.0        | 97.0  | 0.1           | 1,530   |
| 45-49  | 19.9  | 71.0        | 7.2        | 0.1         | 1.8                         | 100.0        | 90.9   | 29.0  | 67.9        | 1.5        | 0.0         | 1.6                         | 100.0        | 96.9  | 0.1           | 1,515   |

Table PR.5.1M: Feelings of safety (men) (continued)

Percent distribution of men age 15-49 years by feeling of safety walking alone in their neighbourhood after dark and being home alone after dark, Thailand, 2022

|  | Percent distribution of men who walking alone in their neighbourhood after dark feel: |        |        |             |                             |       | Percentage of men who feel safe walking alone in their neighbourhood after dark <sup>1</sup> | Percent distribution of men who being home alone after dark feel: |        |        |             |                             |       | Percentage of men who after dark feel very unsafe walking alone in their neighborhood or being home alone | Number of men |   |
|--|---|--------|--------|-------------|-----------------------------|-------|--|---|--------|--------|-------------|-----------------------------|-------|---|---------------|---|
|  | Very safe   | Safe   | Unsafe | Very unsafe | Never walk alone after dark | Total |  | Very safe   | Safe   | Unsafe | Very unsafe | Never home alone after dark | Total |   |               | Percentage of men who feel safe home alone after dark |
| <b>Education</b>                         |   |        |        |             |                             |       |  |   |        |        |             |                             |       |   |               |   |
| Pre-primary or none                      | 15.8  | 77.7   | 5.6    | 0.1         | 0.9                         | 100.0 | 93.5   | 17.3  | 81.4   | 0.7    | 0.1         | 0.5                         | 100.0 | 98.7  | 0.1           | 231   |
| Primary                                  | 18.9  | 74.6   | 5.1    | 0.2         | 1.2                         | 100.0 | 93.5   | 25.8  | 71.0   | 2.0    | 0.0         | 1.1                         | 100.0 | 96.7  | 0.2           | 1,776   |
| Lower secondary                          | 17.9  | 73.7   | 6.6    | 0.1         | 1.6                         | 100.0 | 91.6   | 25.5  | 71.6   | 1.7    | 0.1         | 1.2                         | 100.0 | 97.1  | 0.1           | 2,174   |
| Upper secondary                          | 18.5  | 70.8   | 8.2    | 0.1         | 2.4                         | 100.0 | 89.2   | 23.4  | 72.8   | 1.6    | 0.2         | 1.9                         | 100.0 | 96.3  | 0.2           | 2,605   |
| Higher                                   | 17.6  | 73.1   | 7.7    | 0.3         | 1.3                         | 100.0 | 90.7   | 26.0  | 70.0   | 2.3    | 0.0         | 1.7                         | 100.0 | 96.0  | 0.3           | 2,622   |
| DK/Missing                               | (5.5)   | (60.2) | (18.7) | (3.4)       | (12.2)                      | 100.0 | (65.7)   | (5.5)   | (91.1) | (0.0)  | (0.0)       | (3.4)                       | 100.0 | (96.6)  | (3.4)         | 45  |
| <b>Native language of household head</b> |   |        |        |             |                             |       |  |   |        |        |             |                             |       |   |               |   |
| Thai                                     | 17.8  | 73.1   | 7.2    | 0.2         | 1.7                         | 100.0 | 90.9   | 24.7  | 71.8   | 2.0    | 0.1         | 1.5                         | 100.0 | 96.4  | 0.2           | 8,698   |
| Non-Thai                                 | 20.8  | 71.1   | 6.4    | 0.2         | 1.6                         | 100.0 | 91.8   | 26.7  | 70.7   | 0.9    | 0.0         | 1.7                         | 100.0 | 97.4  | 0.2           | 754   |
| <b>Wealth index quintile</b>             |   |        |        |             |                             |       |  |   |        |        |             |                             |       |   |               |   |
| Poorest                                  | 15.7  | 74.7   | 7.6    | 0.2         | 1.9                         | 100.0 | 90.3   | 21.8  | 75.1   | 1.7    | 0.1         | 1.4                         | 100.0 | 96.7  | 0.2           | 1,855   |
| Second                                   | 14.1  | 77.3   | 6.1    | 0.1         | 2.4                         | 100.0 | 91.4   | 21.0  | 75.6   | 1.9    | 0.2         | 1.3                         | 100.0 | 96.7  | 0.3           | 1,996   |
| Middle                                   | 19.7  | 72.6   | 6.6    | 0.1         | 1.0                         | 100.0 | 92.3   | 25.2  | 71.1   | 2.3    | 0.1         | 1.3                         | 100.0 | 96.3  | 0.1           | 1,925   |
| Fourth                                   | 18.3  | 71.4   | 7.9    | 0.4         | 2.0                         | 100.0 | 89.7   | 25.8  | 71.0   | 1.7    | 0.0         | 1.4                         | 100.0 | 96.8  | 0.4           | 1,824   |
| Richest                                  | 22.7  | 68.3   | 7.6    | 0.2         | 1.2                         | 100.0 | 91.1   | 30.6  | 65.5   | 1.8    | 0.0         | 2.1                         | 100.0 | 96.0  | 0.2           | 1,852   |

<sup>1</sup> MICS indicator PR.14 - Safety; SDG indicator 16.1.4

( ) Figures that are based on 25-49 unweighted cases

## 8.6 ATTITUDES TOWARDS DOMESTIC VIOLENCE

Thailand MICS 2022 assessed the attitudes of women and men age 15-49 years towards wife beating by asking the respondents whether they think that husbands are justified to hit or beat their wives in a variety of situations. The purpose of these questions is to capture the social justification of violence (in contexts where women have a lower status in society) as a disciplinary action when a woman does not comply with certain expected gender roles. The responses to these questions can be found in Table PR.6.1W for women and in Table PR.6.1M for men.

| Table PR.6.1W: Attitudes toward domestic violence (women)   |   |                              |                        |                             |                       |  |                                  |                 |
|---|---|------------------------------|------------------------|-----------------------------|-----------------------|--|----------------------------------|-----------------|
| Percentage of women age 15-49 years who believe a husband is justified in beating his wife in various circumstances, Thailand, 2022 |   |                              |                        |                             |                       |  |                                  |                 |
|   | Percentage of women who believe a husband is justified in beating his wife: |                              |                        |                             |                       |  |                                  | Number of women |
|   | If she goes out without telling him   | If she neglects the children | If she argues with him | If she refuses sex with him | If she burns the food | For any of these five reasons <sup>1</sup> | If she neglects household chores |                 |
| <b>Total</b>  | <b>1.1</b>  | <b>2.3</b>                   | <b>1.1</b>             | <b>0.7</b>                  | <b>0.8</b>            | <b>3.5</b>                                 | <b>2.0</b>                       | <b>21,089</b>   |
| <b>Area</b>   |   |                              |                        |                             |                       |  |                                  |                 |
| Urban   | 0.9   | 1.6                          | 0.8                    | 0.6                         | 0.6                   | 2.6  | 1.5                              | 11,566          |
| Rural   | 1.3   | 3.1                          | 1.5                    | 0.8                         | 1.1                   | 4.6  | 2.7                              | 9,523           |
| <b>Region</b>   |   |                              |                        |                             |                       |  |                                  |                 |
| Bangkok   | 0.3   | 0.7                          | 0.2                    | 0.4                         | 0.3                   | 1.6  | 0.8                              | 3,464           |
| Central   | 0.7   | 1.9                          | 0.9                    | 0.1                         | 0.5                   | 2.7  | 1.0                              | 7,165           |
| North   | 1.1   | 3.5                          | 2.0                    | 0.8                         | 0.5                   | 4.9  | 3.3                              | 2,837           |
| Northeast   | 1.2   | 2.4                          | 0.9                    | 1.4                         | 1.9                   | 4.0  | 2.8                              | 4,778           |
| South   | 2.6   | 4.0                          | 2.0                    | 0.9                         | 0.8                   | 5.7  | 3.6                              | 2,846           |
| <b>Age</b>  |   |                              |                        |                             |                       |  |                                  |                 |
| 15-19   | 0.6   | 1.2                          | 0.5                    | 0.6                         | 0.8                   | 2.2  | 1.4                              | 2,442           |
| 15-17   | 0.8   | 1.2                          | 0.7                    | 0.9                         | 1.0                   | 2.4  | 1.7                              | 1,583           |
| 18-19   | 0.1   | 1.1                          | 0.2                    | 0.1                         | 0.6                   | 2.0  | 0.7                              | 860             |
| 20-24   | 0.9   | 2.8                          | 1.1                    | 0.6                         | 1.2                   | 4.0  | 2.1                              | 2,152           |
| 25-29   | 0.8   | 2.2                          | 1.1                    | 0.7                         | 0.6                   | 3.5  | 1.9                              | 3,073           |
| 30-34   | 0.9   | 1.8                          | 0.7                    | 0.5                         | 0.9                   | 2.7  | 1.7                              | 3,004           |
| 35-39   | 1.2   | 2.0                          | 1.1                    | 0.3                         | 0.9                   | 3.4  | 1.8                              | 3,146           |
| 40-44   | 1.4   | 3.1                          | 1.4                    | 1.2                         | 1.0                   | 3.9  | 2.3                              | 3,494           |
| 45-49   | 1.4   | 2.9                          | 1.5                    | 0.7                         | 0.6                   | 4.5  | 2.7                              | 3,778           |
| <b>Education</b>  |   |                              |                        |                             |                       |  |                                  |                 |
| Pre-primary or none   | 2.3   | 3.2                          | 0.4                    | 0.4                         | 0.6                   | 5.1  | 2.3                              | 435             |
| Primary   | 1.9   | 4.0                          | 1.6                    | 0.8                         | 1.2                   | 5.1  | 3.1                              | 3,238           |
| Lower secondary   | 1.1   | 3.5                          | 1.7                    | 0.6                         | 0.8                   | 4.9  | 2.5                              | 3,817           |
| Upper secondary   | 1.0   | 1.7                          | 0.7                    | 0.6                         | 0.6                   | 2.8  | 1.8                              | 5,457           |
| Higher  | 0.6   | 1.3                          | 0.8                    | 0.7                         | 0.9                   | 2.4  | 1.4                              | 8,012           |
| DK/Missing  | 8.2   | 11.7                         | 11.5                   | 0.0                         | 0.0                   | 15.6                                       | 9.8                              | 130             |
| <b>Marital/Union status</b>   |   |                              |                        |                             |                       |  |                                  |                 |
| Currently married/in union  | 1.3   | 2.8                          | 1.4                    | 0.8                         | 0.8                   | 4.2  | 2.5                              | 11,840          |
| Formerly married/in union   | 1.2   | 2.4                          | 1.1                    | 0.4                         | 0.5                   | 3.3  | 2.3                              | 1,906           |
| Never married/in union  | 0.7   | 1.5                          | 0.7                    | 0.6                         | 1.0                   | 2.5  | 1.3                              | 7,343           |
| <b>Native language of household head</b>  |   |                              |                        |                             |                       |  |                                  |                 |
| Thai  | 1.0   | 2.2                          | 1.0                    | 0.7                         | 0.9                   | 3.4  | 2.0                              | 19,592          |
| Non-Thai  | 2.0   | 3.2                          | 1.9                    | 0.6                         | 0.4                   | 4.4  | 2.4                              | 1,497           |
| <b>Wealth index quintile</b>  |   |                              |                        |                             |                       |  |                                  |                 |
| Poorest   | 1.2   | 3.2                          | 1.6                    | 0.4                         | 0.8                   | 4.5  | 2.4                              | 3,223           |
| Second  | 1.7   | 3.5                          | 1.3                    | 0.6                         | 0.6                   | 4.3  | 2.2                              | 4,185           |
| Middle  | 1.0   | 1.9                          | 1.2                    | 0.8                         | 0.7                   | 3.3  | 2.0                              | 4,358           |
| Fourth  | 0.7   | 1.5                          | 0.7                    | 0.7                         | 1.2                   | 2.9  | 2.5                              | 4,431           |
| Richest   | 0.7   | 1.8                          | 0.9                    | 0.8                         | 0.8                   | 2.9  | 1.3                              | 4,891           |

<sup>1</sup> MICS indicator PR.15 - Attitudes towards domestic violence

**Table PR.6.1M: Attitudes toward domestic violence (men)**

Percentage of men age 15-49 years who believe a husband is justified in beating his wife in various circumstances, Thailand, 2022

|   | Percentage of men who believe a husband is justified in beating his wife: |                              |                        |                             |                       |  |                                  | Number of men |
|---|---|------------------------------|------------------------|-----------------------------|-----------------------|--|----------------------------------|---------------|
|   | If she goes out without telling him                                       | If she neglects the children | If she argues with him | If she refuses sex with him | If she burns the food | For any of these five reasons <sup>1</sup> | If she neglects household chores |               |
| <b>Total</b>  | <b>1.5</b>  | <b>4.1</b>                   | <b>1.9</b>             | <b>1.1</b>                  | <b>0.9</b>            | <b>5.7</b>                                 | <b>3.6</b>                       | <b>9,452</b>  |
| <b>Area</b>   |   |                              |                        |                             |                       |  |                                  |               |
| Urban   | 1.4   | 4.4                          | 2.1                    | 1.1                         | 0.9                   | 6.1  | 4.0                              | 5,185         |
| Rural   | 1.6   | 3.8                          | 1.6                    | 1.1                         | 1.0                   | 5.3  | 3.1                              | 4,267         |
| <b>Region</b>   |   |                              |                        |                             |                       |  |                                  |               |
| Bangkok   | 1.0   | 3.3                          | 2.0                    | 0.5                         | 0.2                   | 4.5  | 3.5                              | 1,546         |
| Central   | 1.3   | 3.4                          | 1.4                    | 1.0                         | 0.8                   | 5.0  | 3.6                              | 3,201         |
| North   | 0.8   | 5.6                          | 2.8                    | 0.7                         | 0.1                   | 6.9  | 4.0                              | 1,280         |
| Northeast   | 1.4   | 3.7                          | 1.4                    | 1.8                         | 1.9                   | 5.3  | 3.2                              | 2,084         |
| South   | 3.3   | 6.2                          | 2.6                    | 0.9                         | 1.2                   | 8.3  | 4.1                              | 1,340         |
| <b>Age</b>  |   |                              |                        |                             |                       |  |                                  |               |
| 15-19   | 1.5   | 3.1                          | 1.3                    | 0.9                         | 0.6                   | 4.1  | 2.6                              | 1,213         |
| 15-17   | 1.0   | 2.9                          | 1.0                    | 0.4                         | 0.1                   | 3.4  | 2.0                              | 775           |
| 18-19   | 2.4   | 3.7                          | 1.8                    | 1.7                         | 1.5                   | 5.4  | 3.5                              | 438           |
| 20-24   | 1.0   | 2.7                          | 0.9                    | 0.7                         | 0.1                   | 4.2  | 1.8                              | 1,114         |
| 25-29   | 0.6   | 3.5                          | 0.6                    | 0.5                         | 0.2                   | 3.8  | 3.2                              | 1,307         |
| 30-34   | 1.3   | 4.5                          | 2.2                    | 1.0                         | 0.8                   | 5.8  | 3.0                              | 1,419         |
| 35-39   | 2.1   | 5.0                          | 2.8                    | 2.3                         | 2.0                   | 8.2  | 6.3                              | 1,355         |
| 40-44   | 2.4   | 5.6                          | 1.7                    | 0.8                         | 0.8                   | 6.6  | 4.3                              | 1,530         |
| 45-49   | 1.4   | 3.9                          | 3.0                    | 1.1                         | 1.7                   | 6.5  | 3.5                              | 1,515         |
| <b>Education</b>  |   |                              |                        |                             |                       |  |                                  |               |
| Pre-primary or none   | 1.7   | 3.0                          | 0.8                    | 0.4                         | 0.0                   | 3.7  | 2.7                              | 231           |
| Primary   | 2.5   | 6.3                          | 2.5                    | 2.2                         | 0.9                   | 8.7  | 4.5                              | 1,776         |
| Lower secondary   | 1.1   | 5.0                          | 2.1                    | 0.6                         | 0.5                   | 5.4  | 3.3                              | 2,174         |
| Upper secondary   | 1.3   | 3.9                          | 1.9                    | 0.7                         | 1.2                   | 5.6  | 3.6                              | 2,605         |
| Higher  | 1.4   | 2.3                          | 1.3                    | 1.1                         | 1.2                   | 4.3  | 3.4                              | 2,622         |
| DK/Missing  | (0.0)   | (4.0)                        | (0.0)                  | (0.0)                       | (0.0)                 | (4.0)                                      | (0.5)                            | 45            |
| <b>Marital/Union status</b>   |   |                              |                        |                             |                       |  |                                  |               |
| Currently married/in union  | 1.6   | 4.4                          | 2.2                    | 0.9                         | 0.7                   | 5.8  | 3.3                              | 4,395         |
| Formerly married/in union   | 3.1   | 5.0                          | 2.3                    | 2.3                         | 2.0                   | 8.0  | 5.3                              | 759           |
| Never married/in union  | 1.1   | 3.7                          | 1.4                    | 1.0                         | 0.9                   | 5.3  | 3.6                              | 4,298         |
| <b>Native language of household head</b>                                |   |                              |                        |                             |                       |  |                                  |               |
| Thai  | 1.5   | 4.2                          | 1.9                    | 1.1                         | 1.0                   | 5.8  | 3.8                              | 8,698         |
| Non-Thai  | 1.2   | 2.8                          | 1.9                    | 0.4                         | 0.2                   | 4.8  | 1.4                              | 754           |
| <b>Wealth index quintile</b>  |   |                              |                        |                             |                       |  |                                  |               |
| Poorest   | 1.3   | 4.2                          | 1.5                    | 1.3                         | 0.3                   | 5.2  | 3.0                              | 1,855         |
| Second  | 1.0   | 3.5                          | 1.8                    | 0.9                         | 0.5                   | 6.0  | 3.3                              | 1,996         |
| Middle  | 2.3   | 4.4                          | 1.9                    | 1.5                         | 2.0                   | 7.0  | 4.5                              | 1,925         |
| Fourth  | 1.6   | 4.0                          | 2.0                    | 0.9                         | 0.8                   | 4.9  | 3.6                              | 1,824         |
| Richest   | 1.2   | 4.5                          | 2.2                    | 0.7                         | 1.0                   | 5.4  | 3.7                              | 1,852         |
| <sup>1</sup> MICS indicator PR.15 - Attitudes towards domestic violence |   |                              |                        |                             |                       |  |                                  |               |
| ( ) Figures that are based on 25-49 unweighted cases.                   |   |                              |                        |                             |                       |  |                                  |               |

## CHAPTER 9 LIVE IN A SAFE AND CLEAN ENVIRONMENT

### 9.1 DRINKING WATER

Access to safe drinking water, sanitation and hygiene (WASH) is essential for good health, welfare and productivity and is widely recognised as a human right<sup>1</sup>. Inadequate WASH is primarily responsible for the transmission of diseases such as cholera, diarrhoea, dysentery, hepatitis A, typhoid and polio. Diarrhoeal diseases exacerbate malnutrition and remain a leading global cause of child deaths.

Drinking water may be contaminated with human or animal faeces containing pathogens, or with chemical and physical contaminants with harmful effects on child health and development. While improving water quality is critical to prevent disease, improving the accessibility and availability of drinking water is equally important, particularly for women and girls who usually bear the primary responsibility for carrying water, often for long distances.<sup>2</sup>

The SDG targets relating to drinking water are much more ambitious than the MDGs and variously aim to achieve universal access to basic services (SDG 1.4) and universal access to safely managed services (SDG 6.1). For more information on global targets and indicators please visit the website of the WHO/UNICEF Joint Monitoring Programme for Water Supply, Sanitation and Hygiene.<sup>3</sup>

The distribution of the population by main source of drinking water is shown in Table WS.1.1. The population using *improved sources* of drinking water are those using any of the following types of supply: piped water (into dwelling, compound, yard or plot, to neighbour, public tap/standpipe), tube well/borehole, protected dug well, protected spring, rainwater collection, and packaged or delivered water<sup>4</sup>.

Table WS 1.2 shows the amount of time taken per round trip to collect water for users of improved and unimproved sources. Household members using improved water sources located on premises or requiring up to and including 30 minutes per trip for water collection meet the SDG criteria for a 'basic' drinking water service.

Table WS.1.3 presents the sex and age of the household member usually responsible for water collection among household members without water sources on premises. Table WS 1.4 shows the average time spent each day by the household member mainly responsible for collecting drinking water.

Table WS.1.5 shows the proportion of household members with sufficient water available when needed from their main source of drinking water and the main reasons household members are unable to access water in sufficient quantities when needed.

Table WS.1.6 presents the main methods by which households report treating water in order to make it safer to drink. Boiling water, adding bleach or chlorine, using a water filter, and using solar disinfection are considered appropriate methods of water.

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<sup>1</sup> The human rights to water and sanitation were explicitly recognised by the UN General Assembly and Human Rights Council in 2010 and in 2015.

<sup>2</sup> WHO, and UNICEF. *Safely Managed Drinking Water: thematic report on drinking water*. Geneva: WHO Press, 2017. <https://data.unicef.org/wp-content/uploads/2017/03/safely-managed-drinking-water-JMP-2017-1.pdf>.

<sup>3</sup> " Home." JMP. Accessed September 06, 2018. <https://washdata.org/>.

<sup>4</sup> Packaged water (bottled water and glass/cup water) and delivered water (tanker truck and cart with small drum/tank) are treated as improved based in new SDG definition.

**Table WS.1.1: Use of improved and unimproved water sources**

Percent distribution of household population by main source of drinking water and percentage of household population using improved drinking water sources, Thailand, 2022

|  | Main source of drinking water |              |            |                       |                     |                |                       |              |                            |  |  |                               |                    |               |              | Percentage using improved sources of drinking water <sup>1</sup> | Number of household members |
|--|-------------------------------|--------------|------------|-----------------------|---------------------|----------------|-----------------------|--------------|----------------------------|--|--|-------------------------------|--------------------|---------------|--------------|--|-----------------------------|
|  | Improved sources              |              |            |                       |                     |                |                       |              |                            |  |  |                               | Unimproved sources |               |              |  |                             |
|  | Piped water                   |              |            | Public tap/stand-pipe | Tube-well/bore-hole | Protected well | Rain-water collection | Tanker truck | Bottled water <sup>A</sup> | Packaged water gallon sized <sup>A</sup> | Packaged water glass/ cup <sup>A</sup> | Coin-operated water dispenser | Unprotected well   | Surface water | Total        |  |                             |
| Into dwelling                            | Into yard/plot                | To neighbour |            |                       |                     |                |                       |              |                            |  |  |                               |                    |               |              |  |                             |
| <b>Total</b>                             | <b>19.6</b>                   | <b>1.6</b>   | <b>0.1</b> | <b>0.2</b>            | <b>0.9</b>          | <b>0.9</b>     | <b>2.8</b>            | <b>0.0</b>   | <b>30.3</b>                | <b>34.7</b>                              | <b>1.0</b>                             | <b>7.5</b>                    | <b>0.2</b>         | <b>0.1</b>    | <b>100.0</b> | <b>99.7</b>  | <b>79,511</b>               |
| <b>Area</b>                              |                               |              |            |                       |                     |                |                       |              |                            |  |  |                               |                    |               |              |  |                             |
| Urban                                    | 25.7                          | 1.3          | 0.1        | 0.1                   | 0.6                 | 0.3            | 1.1                   | 0.0          | 35.7                       | 24.9                                     | 1.0                                    | 9.1                           | 0.0                | 0.2           | 100.0        | 99.8   | 40,204                      |
| Rural                                    | 13.3                          | 1.8          | 0.2        | 0.3                   | 1.3                 | 1.5            | 4.6                   | 0.0          | 24.8                       | 44.8                                     | 1.1                                    | 5.9                           | 0.3                | 0.1           | 100.0        | 99.6   | 39,307                      |
| <b>Region</b>                            |                               |              |            |                       |                     |                |                       |              |                            |  |  |                               |                    |               |              |  |                             |
| Bangkok                                  | 44.6                          | 0.8          | 0.0        | 0.0                   | 0.0                 | 0.0            | 0.1                   | 0.0          | 33.9                       | 3.6                                      | 0.2                                    | 16.7                          | 0.0                | 0.0           | 100.0        | 100.0  | 10,855                      |
| Central                                  | 22.2                          | 0.2          | 0.2        | 0.1                   | 0.4                 | 0.2            | 2.7                   | 0.0          | 43.6                       | 18.4                                     | 0.9                                    | 11.0                          | 0.0                | 0.0           | 100.0        | 100.0  | 24,408                      |
| North                                    | 18.7                          | 2.6          | 0.1        | 0.7                   | 1.6                 | 1.5            | 4.1                   | 0.1          | 35.1                       | 26.9                                     | 2.6                                    | 5.5                           | 0.1                | 0.3           | 100.0        | 99.6   | 12,504                      |
| Northeast                                | 7.1                           | 2.8          | 0.1        | 0.0                   | 0.7                 | 0.1            | 4.1                   | 0.0          | 12.4                       | 68.6                                     | 0.8                                    | 3.2                           | 0.0                | 0.0           | 100.0        | 100.0  | 20,982                      |
| South                                    | 13.6                          | 1.6          | 0.2        | 0.1                   | 2.5                 | 4.3            | 2.0                   | 0.0          | 25.9                       | 46.4                                     | 0.7                                    | 1.2                           | 1.0                | 0.5           | 100.0        | 98.4   | 10,763                      |
| <b>Education of household head</b>       |                               |              |            |                       |                     |                |                       |              |                            |  |  |                               |                    |               |              |  |                             |
| Pre-primary or none                      | 18.8                          | 1.8          | 0.0        | 0.9                   | 1.7                 | 3.4            | 4.3                   | 0.0          | 24.7                       | 31.9                                     | 0.7                                    | 10.1                          | 0.8                | 0.8           | 100.0        | 98.4   | 3,702                       |
| Primary                                  | 16.5                          | 1.9          | 0.1        | 0.2                   | 1.1                 | 1.0            | 4.1                   | 0.0          | 23.1                       | 42.7                                     | 0.9                                    | 8.2                           | 0.2                | 0.1           | 100.0        | 99.8   | 41,775                      |
| Lower secondary                          | 18.5                          | 1.1          | 0.1        | 0.0                   | 0.6                 | 0.7            | 1.6                   | 0.0          | 33.6                       | 30.9                                     | 1.3                                    | 10.9                          | 0.2                | 0.4           | 100.0        | 99.4   | 9,357                       |
| Upper secondary                          | 18.6                          | 1.6          | 0.0        | 0.0                   | 0.7                 | 0.5            | 1.0                   | 0.0          | 40.1                       | 29.4                                     | 0.9                                    | 7.1                           | 0.0                | 0.0           | 100.0        | 99.9   | 10,638                      |
| Higher                                   | 30.9                          | 0.8          | 0.1        | 0.2                   | 0.5                 | 0.5            | 0.6                   | 0.0          | 43.8                       | 18.3                                     | 1.3                                    | 3.1                           | 0.0                | 0.0           | 100.0        | 99.9   | 13,755                      |
| DK/Missing                               | 4.0                           | 0.0          | 0.0        | 0.0                   | 4.9                 | 1.0            | 11.0                  | 0.0          | 46.3                       | 32.0                                     | 0.0                                    | 0.8                           | 0.0                | 0.0           | 100.0        | 100.0  | 283                         |
| <b>Native language of household head</b> |                               |              |            |                       |                     |                |                       |              |                            |  |  |                               |                    |               |              |  |                             |
| Thai                                     | 20.2                          | 1.5          | 0.1        | 0.1                   | 0.8                 | 0.5            | 2.8                   | 0.0          | 31.2                       | 34.0                                     | 1.0                                    | 7.6                           | 0.0                | 0.1           | 100.0        | 99.9   | 74,513                      |
| Non-Thai                                 | 11.0                          | 2.2          | 0.1        | 0.5                   | 2.6                 | 6.6            | 4.2                   | 0.2          | 17.1                       | 45.8                                     | 0.6                                    | 6.6                           | 1.9                | 0.6           | 100.0        | 97.4   | 4,998                       |
| <b>Wealth index quintile</b>             |                               |              |            |                       |                     |                |                       |              |                            |  |  |                               |                    |               |              |  |                             |
| Poorest                                  | 11.5                          | 1.8          | 0.1        | 0.5                   | 1.6                 | 1.8            | 8.4                   | 0.1          | 14.0                       | 47.4                                     | 0.7                                    | 11.2                          | 0.4                | 0.6           | 100.0        | 99.0   | 15,900                      |
| Second                                   | 13.0                          | 1.8          | 0.3        | 0.2                   | 0.9                 | 1.3            | 2.9                   | 0.0          | 25.5                       | 40.8                                     | 0.9                                    | 12.1                          | 0.3                | 0.0           | 100.0        | 99.7   | 15,905                      |
| Middle                                   | 15.5                          | 2.2          | 0.1        | 0.0                   | 0.8                 | 0.7            | 1.8                   | 0.0          | 32.7                       | 37.2                                     | 0.9                                    | 7.8                           | 0.1                | 0.0           | 100.0        | 99.9   | 15,901                      |
| Fourth                                   | 21.4                          | 1.1          | 0.1        | 0.1                   | 0.6                 | 0.4            | 0.9                   | 0.0          | 37.2                       | 31.2                                     | 1.1                                    | 5.8                           | 0.0                | 0.0           | 100.0        | 100.0  | 15,903                      |
| Richest                                  | 36.5                          | 0.9          | 0.0        | 0.0                   | 0.6                 | 0.2            | 0.2                   | 0.0          | 42.2                       | 17.2                                     | 1.3                                    | 0.7                           | 0.0                | 0.0           | 100.0        | 100.0  | 15,902                      |

<sup>1</sup> MICS indicator WS.1 - Use of improved drinking water sources<sup>A</sup> Delivered and packaged water considered improved sources of drinking water based on new SDG definition.

**Table WS.1.2: Use of basic and limited drinking water services**

Percent distribution of household population by time to go to source of drinking water, get water and return, for users of improved and unimproved drinking water sources and percentage using basic drinking water services, Thailand, 2022

|  | Time to source of drinking water         |   |                      |  |   |              | Total       | Percentage using basic drinking water services <sup>1</sup> | Number of household members |
|--|--|---|----------------------|--|---|--------------|-------------|---|-----------------------------|
|  | Users of improved drinking water sources |   |                      | Users of unimproved drinking water sources |   |              |             |   |                             |
|  | Water on premises                        | Up to and including 30 minutes <sup>A</sup> | More than 30 minutes | Water on premises                          | Up to and including 30 minutes <sup>A</sup> |              |             |   |                             |
| <b>Total</b>                             | <b>99.4</b>                              | <b>0.2</b>                                  | <b>0.1</b>           | <b>0.2</b>                                 | <b>0.1</b>                                  | <b>100.0</b> | <b>99.6</b> | <b>79,511</b>   |                             |
| <b>Area</b>                              |  |   |                      |  |   |              |             |   |                             |
| Urban                                    | 99.7                                     | 0.1   | 0.0                  | 0.1  | 0.1   | 100.0        | 99.8        | 40,204  |                             |
| Rural                                    | 99.1                                     | 0.4   | 0.1                  | 0.3  | 0.0   | 100.0        | 99.5        | 39,307  |                             |
| <b>Region</b>                            |  |   |                      |  |   |              |             |   |                             |
| Bangkok                                  | 99.9                                     | 0.0   | 0.1                  | 0.0  | 0.0   | 100.0        | 99.9        | 10,855  |                             |
| Central                                  | 100.0                                    | 0.0   | 0.0                  | 0.0  | 0.0   | 100.0        | 100.0       | 24,408  |                             |
| North                                    | 98.7                                     | 0.6   | 0.2                  | 0.2  | 0.2   | 100.0        | 99.3        | 12,504  |                             |
| Northeast                                | 99.6                                     | 0.4   | 0.0                  | 0.0  | 0.0   | 100.0        | 99.9        | 20,982  |                             |
| South                                    | 98.1                                     | 0.3   | 0.0                  | 1.2  | 0.4   | 100.0        | 98.4        | 10,763  |                             |
| <b>Education of household head</b>       |  |   |                      |  |   |              |             |   |                             |
| Pre-primary or none                      | 97.5                                     | 0.8   | 0.0                  | 1.3  | 0.3   | 100.0        | 98.3        | 3,702   |                             |
| Primary                                  | 99.4                                     | 0.3   | 0.0                  | 0.2  | 0.0   | 100.0        | 99.7        | 41,775  |                             |
| Lower secondary                          | 99.2                                     | 0.2   | 0.0                  | 0.2  | 0.3   | 100.0        | 99.4        | 9,357   |                             |
| Upper secondary                          | 99.8                                     | 0.0   | 0.1                  | 0.1  | 0.0   | 100.0        | 99.8        | 10,638  |                             |
| Higher                                   | 99.7                                     | 0.1   | 0.1                  | 0.0  | 0.0   | 100.0        | 99.8        | 13,755  |                             |
| DK/Missing                               | 100.0                                    | 0.0   | 0.0                  | 0.0  | 0.0   | 100.0        | 100.0       | 283   |                             |
| <b>Native language of household head</b> |  |   |                      |  |   |              |             |   |                             |
| Thai                                     | 99.6                                     | 0.2   | 0.0                  | 0.1  | 0.1   | 100.0        | 99.8        | 74,513  |                             |
| Non-Thai                                 | 96.3                                     | 0.5   | 0.6                  | 2.2  | 0.4   | 100.0        | 96.8        | 4,998   |                             |
| <b>Wealth index quintile</b>             |  |   |                      |  |   |              |             |   |                             |
| Poorest                                  | 98.1                                     | 0.7   | 0.1                  | 0.6  | 0.4   | 100.0        | 98.8        | 15,900  |                             |
| Second                                   | 99.5                                     | 0.2   | 0.1                  | 0.3  | 0.0   | 100.0        | 99.7        | 15,905  |                             |
| Middle                                   | 99.8                                     | 0.1   | 0.0                  | 0.1  | 0.0   | 100.0        | 99.9        | 15,901  |                             |
| Fourth                                   | 99.8                                     | 0.1   | 0.1                  | 0.0  | 0.0   | 100.0        | 99.9        | 15,903  |                             |
| Richest                                  | 99.8                                     | 0.1   | 0.0                  | 0.0  | 0.0   | 100.0        | 99.9        | 15,902  |                             |

<sup>1</sup> MICS indicator WS.2 - Use of basic drinking water services; SDG Indicator 1.4.1<sup>A</sup> Includes cases where household members do not collect



**Table WS.1.3: Person collecting water**

Percentage of household members without drinking water on premises, and percent distribution of household members without drinking water on premises by person usually collecting drinking water used in the household, Thailand, 2022

|  | Percentage of household members without drinking water on premises | Number of household members | Person usually collecting drinking water |             |                           |             | DK/Missing/ Members do not collect | Total      | Number of household members without drinking water on premises |
|--|--|-----------------------------|--|-------------|---------------------------|-------------|------------------------------------|------------|--|
|  |  |                             | Woman (15+)                              | Man (15+)   | Female child under age 15 |             |                                    |            |  |
| <b>Total</b>                             | <b>0.4</b>   | <b>79,511</b>               | <b>13.9</b>                              | <b>68.7</b> | <b>0.1</b>                | <b>17.4</b> | <b>100.0</b>                       | <b>302</b> |  |
| <b>Area</b>                              |  |                             |  |             |                           |             |                                    |            |  |
| Urban                                    | 0.2  | 40,204                      | 9.5                                      | 87.1        | 0.3                       | 3.1         | 100.0                              | 90         |  |
| Rural                                    | 0.5  | 39,307                      | 15.8                                     | 60.6        | 0.0                       | 23.6        | 100.0                              | 211        |  |
| <b>Region</b>                            |  |                             |  |             |                           |             |                                    |            |  |
| Bangkok                                  | 0.1  | 10,855                      | (*)                                      | (*)         | (*)                       | (*)         | 100.0                              | 10         |  |
| Central                                  | 0.0  | 24,408                      | (*)                                      | (*)         | (*)                       | (*)         | 100.0                              | 5          |  |
| North                                    | 1.0  | 12,504                      | 17.2                                     | 75.7        | 0.2                       | 6.9         | 100.0                              | 131        |  |
| Northeast                                | 0.4  | 20,982                      | 3.7                                      | 61.1        | 0.0                       | 35.2        | 100.0                              | 84         |  |
| South                                    | 0.7  | 10,763                      | 22.4                                     | 61.5        | 0.0                       | 16.1        | 100.0                              | 72         |  |
| <b>Education of household head</b>       |  |                             |  |             |                           |             |                                    |            |  |
| Pre-primary or none                      | 1.2  | 3,702                       | 23.1                                     | 73.2        | 0.0                       | 3.8         | 100.0                              | 44         |  |
| Primary                                  | 0.4  | 41,775                      | 6.7                                      | 61.8        | 0.2                       | 31.3        | 100.0                              | 159        |  |
| Lower secondary                          | 0.5  | 9,357                       | (6.1)                                    | (93.9)      | (0.0)                     | (0.0)       | 100.0                              | 49         |  |
| Upper secondary                          | 0.1  | 10,638                      | 4.2                                      | 84.5        | 0.0                       | 11.3        | 100.0                              | 15         |  |
| Higher                                   | 0.3  | 13,755                      | (50.5)                                   | (49.5)      | (0.0)                     | (0.0)       | 100.0                              | 35         |  |
| DK/Missing                               | 0.0  | 283                         | –  | –           | –                         | –           | –                                  | 0          |  |
| <b>Source of drinking water</b>          |  |                             |  |             |                           |             |                                    |            |  |
| Improved                                 | 0.3  | 79,276                      | 14.9                                     | 63.8        | 0.0                       | 21.3        | 100.0                              | 234        |  |
| Unimproved                               | 28.7   | 235                         | 10.3                                     | 85.5        | 0.4                       | 3.8         | 100.0                              | 67         |  |
| <b>Native language of household head</b> |  |                             |  |             |                           |             |                                    |            |  |
| Thai                                     | 0.3  | 74,513                      | 15.1                                     | 62.4        | 0.0                       | 22.5        | 100.0                              | 233        |  |
| Non-Thai                                 | 1.4  | 4,998                       | 9.9                                      | 88.9        | 0.4                       | 0.9         | 100.0                              | 69         |  |
| <b>Wealth index quintile</b>             |  |                             |  |             |                           |             |                                    |            |  |
| Poorest                                  | 1.2  | 15,900                      | 11.2                                     | 83.5        | 0.1                       | 5.2         | 100.0                              | 193        |  |
| Second                                   | 0.2  | 15,905                      | 0.0                                      | 62.6        | 0.0                       | 37.4        | 100.0                              | 38         |  |
| Middle                                   | 0.1  | 15,901                      | (68.0)                                   | (12.1)      | (0.0)                     | (19.9)      | 100.0                              | 24         |  |
| Fourth                                   | 0.1  | 15,903                      | (*)                                      | (*)         | (*)                       | (*)         | 100.0                              | 18         |  |
| Richest                                  | 0.2  | 15,902                      | (*)                                      | (*)         | (*)                       | (*)         | 100.0                              | 29         |  |

'–' denotes 0 unweighted case in the denominator.

( ) Figures that are based on 25-49 unweighted cases.

(\*) Figures that are based on less than 25 unweighted cases.

**Table WS.1.4: Time spent collecting water**

Percent distribution of average time spent collecting water by average time spent collecting water per day, Thailand, 2022

|  | Average time spent collecting water per day |                        |            | Total        | Number of household members without drinking water on premises and where household members are primarily responsible for collecting water |
|--|---|------------------------|------------|--------------|---|
|  | Up to 30 minutes                            | From 31 mins to 1 hour | DK/Missing |              |   |
| <b>Total</b>                             | <b>93.5</b>                                 | <b>3.8</b>             | <b>2.6</b> | <b>100.0</b> | <b>249</b>  |
| <b>Area</b>                              |   |                        |            |              |   |
| Urban                                    | 95.5  | 0.0                    | 4.5        | 100.0        | 88  |
| Rural                                    | 92.5  | 5.9                    | 1.6        | 100.0        | 161   |
| <b>Region</b>                            |   |                        |            |              |   |
| Bangkok                                  | (*)   | (*)                    | (*)        | 100.0        | 10  |
| Central                                  | (*)   | (*)                    | (*)        | 100.0        | 3   |
| North                                    | 94.6  | 0.0                    | 5.4        | 100.0        | 122   |
| Northeast                                | 82.5  | 17.5                   | 0.0        | 100.0        | 55  |
| South                                    | 100.0                                       | 0.0                    | 0.0        | 100.0        | 60  |
| <b>Education</b>                         |   |                        |            |              |   |
| Pre-primary or none                      | 91.0  | 0.0                    | 9.0        | 100.0        | 32  |
| Primary                                  | 85.6  | 10.4                   | 4.0        | 100.0        | 92  |
| Lower secondary                          | 100.0                                       | 0.0                    | 0.0        | 100.0        | 72  |
| Upper secondary                          | 100.0                                       | 0.0                    | 0.0        | 100.0        | 31  |
| Higher                                   | (100.0)                                     | (0.0)                  | (0.0)      | 100.0        | 23  |
| <b>Age</b>                               |   |                        |            |              |   |
| 0-19                                     | (*)   | (*)                    | (*)        | 100.0        | 13  |
| 20-24                                    | (*)   | (*)                    | (*)        | 100.0        | 6   |
| 25-49                                    | 95.8  | 0.0                    | 4.2        | 100.0        | 141   |
| 50+                                      | 88.7  | 10.6                   | 0.7        | 100.0        | 90  |
| <b>Sex</b>                               |   |                        |            |              |   |
| Male                                     | 94.3  | 3.1                    | 2.6        | 100.0        | 207   |
| Female                                   | 89.7  | 7.3                    | 2.9        | 100.0        | 43  |
| <b>Source of drinking water</b>          |   |                        |            |              |   |
| Improved                                 | 94.2  | 5.2                    | 0.7        | 100.0        | 185   |
| Unimproved                               | 91.8  | 0.0                    | 8.2        | 100.0        | 65  |
| <b>Native language of household head</b> |   |                        |            |              |   |
| Thai                                     | 94.4  | 5.3                    | 0.4        | 100.0        | 181   |
| Non-Thai                                 | 91.4  | 0.0                    | 8.6        | 100.0        | 69  |
| <b>Wealth index quintile</b>             |   |                        |            |              |   |
| Poorest                                  | 94.7  | 1.7                    | 3.6        | 100.0        | 183   |
| Second                                   | (72.9)                                      | (27.1)                 | (0.0)      | 100.0        | 24  |
| Middle                                   | (100.0)                                     | (0.0)                  | (0.0)      | 100.0        | 19  |
| Fourth                                   | (*)   | (*)                    | (*)        | 100.0        | 17  |
| Richest                                  | (*)   | (*)                    | (*)        | 100.0        | 7   |

( ) Figures that are based on 25-49 unweighted cases.

(\*) Figures that are based on less than 25 unweighted cases.

**Table WS.1.5: Availability of sufficient drinking water when needed**

Percentage of household members with drinking water available when needed and percent distribution of the main reasons household members unable to access water in sufficient quantities when needed, Thailand, 2022

|  | Percentage of household population with drinking water available in sufficient quantities <sup>1</sup> | Number of household members | Main reason that the household members are unable to access water in sufficient quantities |                     |                       |             |            | Total        | Number of household members unable to access water in sufficient quantities when needed |
|--|--|-----------------------------|--|---------------------|-----------------------|-------------|------------|--------------|---|
|  |  |                             | Water not available from source  | Water too expensive | Source not accessible | Other       | DK/Missing |              |   |
| <b>Total</b>                             | <b>99.8</b>  | <b>79,511</b>               | <b>51.3</b>  | <b>23.1</b>         | <b>12.7</b>           | <b>10.3</b> | <b>2.7</b> | <b>100.0</b> | <b>141</b>  |
| <b>Area</b>                              |  |                             |  |                     |                       |             |            |              |   |
| Urban                                    | 99.9   | 40,204                      | (91.7)   | (6.8)               | (1.6)                 | (0.0)       | (0.0)      | 100.0        | 36  |
| Rural                                    | 99.6   | 39,307                      | 37.3   | 28.7                | 16.5                  | 13.9        | 3.6        | 100.0        | 105   |
| <b>Region</b>                            |  |                             |  |                     |                       |             |            |              |   |
| Bangkok                                  | 100.0  | 10,855                      | –  | –                   | –                     | –           | –          | –            | 0   |
| Central                                  | 99.8   | 24,408                      | 18.8   | 31.6                | 19.0                  | 30.6        | 0.0        | 100.0        | 47  |
| North                                    | 99.6   | 12,504                      | 91.7   | 0.2                 | 8.2                   | 0.0         | 0.0        | 100.0        | 56  |
| Northeast                                | 99.8   | 20,982                      | (*)  | (*)                 | (*)                   | (*)         | (*)        | 100.0        | 18  |
| South                                    | 99.6   | 10,763                      | 63.0   | 13.9                | 3.2                   | 0.0         | 19.8       | 100.0        | 19  |
| <b>Education of household head</b>       |  |                             |  |                     |                       |             |            |              |   |
| Pre-primary or none                      | 99.7   | 3,702                       | (30.7)   | (0.0)               | (69.3)                | (0.0)       | (0.0)      | 100.0        | 11  |
| Primary                                  | 99.7   | 41,775                      | 39.2   | 31.3                | 11.2                  | 18.2        | 0.0        | 100.0        | 80  |
| Lower secondary                          | 99.8   | 9,357                       | (*)  | (*)                 | (*)                   | (*)         | (*)        | 100.0        | 13  |
| Upper secondary                          | 99.7   | 10,638                      | (*)  | (*)                 | (*)                   | (*)         | (*)        | 100.0        | 22  |
| Higher                                   | 99.9   | 13,755                      | (*)  | (*)                 | (*)                   | (*)         | (*)        | 100.0        | 15  |
| DK/Missing                               | 100.0  | 283                         | –  | –                   | –                     | –           | –          | –            | 0   |
| <b>Source of drinking water</b>          |  |                             |  |                     |                       |             |            |              |   |
| Improved                                 | 99.8   | 79,276                      | 50.4   | 23.5                | 12.9                  | 10.5        | 2.8        | 100.0        | 138   |
| Unimproved                               | 98.9   | 235                         | (*)  | (*)                 | (*)                   | (*)         | (*)        | 100.0        | 3   |
| <b>Native language of household head</b> |  |                             |  |                     |                       |             |            |              |   |
| Thai                                     | 99.8   | 74,513                      | 64.3   | 17.9                | 1.1                   | 13.2        | 3.5        | 100.0        | 110   |
| Non-Thai                                 | 99.1   | 4,998                       | 4.8  | 41.4                | 53.7                  | 0.0         | 0.0        | 100.0        | 31  |
| <b>Wealth index quintile</b>             |  |                             |  |                     |                       |             |            |              |   |
| Poorest                                  | 99.4   | 15,900                      | 37.1   | 32.7                | 21.5                  | 3.2         | 5.5        | 100.0        | 69  |
| Second                                   | 99.9   | 15,905                      | (*)  | (*)                 | (*)                   | (*)         | (*)        | 100.0        | 11  |
| Middle                                   | 99.8   | 15,901                      | (25.5)   | (31.7)              | (3.2)                 | (39.5)      | (0.0)      | 100.0        | 31  |
| Fourth                                   | 99.9   | 15,903                      | (*)  | (*)                 | (*)                   | (*)         | (*)        | 100.0        | 6   |
| Richest                                  | 99.8   | 15,902                      | (*)  | (*)                 | (*)                   | (*)         | (*)        | 100.0        | 23  |

<sup>1</sup> MICS indicator WS.3 - Availability of drinking water

‘–’ denotes 0 unweighted case in the denominator.

( ) Figures that are based on 25-49 unweighted cases.

(\*) Figures that are based on less than 25 unweighted cases.

| Table WS.1.6: Household water treatment  |  |            |                        |                  |                    |                         |                    |   |                             |
|--|--|------------|------------------------|------------------|--------------------|-------------------------|--------------------|---|-----------------------------|
| Percentage of household population by drinking water treatment method used in the household and the percentage who are using an appropriate treatment method, Thailand, 2022 |  |            |                        |                  |                    |                         |                    |   |                             |
|  | Water treatment method used in the household |            |                        |                  |                    |                         |                    | Percentage of household members in households using an appropriate water treatment method | Number of household members |
|  | None   | Boil       | Strain through a cloth | Use water filter | Solar disinfection | Let it stand and settle | Other/ DK/ Missing |   |                             |
| <b>Total</b>   | <b>77.8</b>                                  | <b>7.3</b> | <b>0.8</b>             | <b>16.1</b>      | <b>0.2</b>         | <b>1.3</b>              | <b>0.1</b>         | <b>20.8</b>   | <b>79,511</b>               |
| <b>Area</b>  |  |            |                        |                  |                    |                         |                    |   |                             |
| Urban  | 70.3   | 8.6        | 0.5                    | 24.6             | 0.1                | 0.6                     | 0.1                | 28.9  | 40,204                      |
| Rural  | 85.5   | 6.0        | 1.1                    | 7.4              | 0.4                | 2.0                     | 0.0                | 12.6  | 39,307                      |
| <b>Region</b>  |  |            |                        |                  |                    |                         |                    |   |                             |
| Bangkok  | 49.5   | 11.4       | 0.1                    | 45.5             | 0.1                | 0.0                     | 0.0                | 50.4  | 10,855                      |
| Central  | 72.9   | 9.2        | 0.6                    | 21.5             | 0.7                | 1.3                     | 0.1                | 26.2  | 24,408                      |
| North  | 81.1   | 2.9        | 1.5                    | 12.1             | 0.2                | 3.4                     | 0.0                | 14.9  | 12,504                      |
| Northeast  | 94.2   | 3.7        | 0.2                    | 1.9              | 0.0                | 0.4                     | 0.0                | 5.4   | 20,982                      |
| South  | 81.6   | 10.9       | 2.1                    | 6.7              | 0.1                | 1.9                     | 0.2                | 15.8  | 10,763                      |
| <b>Education of household head</b>   |  |            |                        |                  |                    |                         |                    |   |                             |
| Pre-primary or none  | 79.2   | 9.8        | 1.6                    | 9.2              | 0.3                | 2.1                     | 0.6                | 17.8  | 3,702                       |
| Primary  | 81.8   | 6.8        | 1.1                    | 11.1             | 0.4                | 1.8                     | 0.0                | 16.4  | 41,775                      |
| Lower secondary  | 79.3   | 5.9        | 0.8                    | 15.6             | 0.1                | 1.2                     | 0.0                | 19.1  | 9,357                       |
| Upper secondary  | 78.2   | 7.3        | 0.2                    | 17.7             | 0.0                | 0.5                     | 0.0                | 21.4  | 10,638                      |
| Higher   | 64.1   | 8.8        | 0.2                    | 32.4             | 0.0                | 0.4                     | 0.1                | 35.7  | 13,755                      |
| DK/Missing   | 73.7   | 18.3       | 0.1                    | 9.6              | 0.0                | 4.8                     | 0.0                | 25.9  | 283                         |
| <b>Source of drinking water</b>  |  |            |                        |                  |                    |                         |                    |   |                             |
| Improved   | 77.9   | 7.3        | 0.7                    | 16.1             | 0.2                | 1.3                     | 0.1                | 20.8  | 79,276                      |
| Unimproved   | 51.1   | 20.5       | 23.8                   | 5.5              | 0.0                | 1.9                     | 0.0                | 25.9  | 235                         |
| <b>Native language of household head</b>   |  |            |                        |                  |                    |                         |                    |   |                             |
| Thai   | 77.5   | 6.9        | 0.8                    | 16.9             | 0.3                | 1.3                     | 0.1                | 21.1  | 74,513                      |
| Non-Thai   | 82.3   | 13.1       | 1.1                    | 3.8              | 0.0                | 1.6                     | 0.0                | 16.2  | 4,998                       |
| <b>Wealth index quintile</b>   |  |            |                        |                  |                    |                         |                    |   |                             |
| Poorest  | 87.2   | 5.8        | 1.7                    | 3.6              | 0.7                | 2.7                     | 0.0                | 9.8   | 15,900                      |
| Second   | 86.4   | 5.8        | 1.0                    | 6.0              | 0.1                | 1.8                     | 0.2                | 11.4  | 15,905                      |
| Middle   | 83.0   | 6.1        | 0.6                    | 11.0             | 0.1                | 1.5                     | 0.0                | 16.0  | 15,901                      |
| Fourth   | 76.3   | 7.7        | 0.6                    | 19.0             | 0.2                | 0.5                     | 0.0                | 23.1  | 15,903                      |
| Richest  | 56.1   | 11.2       | 0.1                    | 41.0             | 0.1                | 0.2                     | 0.1                | 43.8  | 15,902                      |

## 9.2 HANDWASHING

Handwashing with water and soap is the most cost-effective health intervention to reduce both the incidence of diarrhoea and pneumonia in children under five<sup>5</sup>. It is most effective when done using water and soap after visiting a toilet or cleaning a child, before eating or handling food and before feeding a child. Direct observation of handwashing behaviour at these critical times is challenging. A reliable alternative to observations is assessing the likelihood that correct handwashing behaviour takes place by asking to see the place where people wash their hands and observing whether water and soap (or other local cleansing materials) are available at this place<sup>6,7</sup>.

Hygiene was omitted from the MDGs but has been included in the SDG targets which aim to achieve universal access to a basic handwashing facility at home (SDG 1.4 and 6.2).

Table WS.2.1 shows the proportion of household members with fixed or mobile handwashing facilities observed on premises (in the dwelling, yard or plot). It also shows the proportion of handwashing facilities where water and soap were observed. Household members with a handwashing facility on premises with soap and water available meet the SDG criteria for a 'basic' handwashing facility.

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<sup>5</sup> Cairncross, S. and V. Valdmanis. "Water supply, sanitation and hygiene promotion Chapter 41." in *Disease Control Priorities in Developing Countries. 2<sup>nd</sup> Edition*, edited by Jameson et al. Washington (DC): The International Bank for Reconstruction and Development / The World Bank.

<sup>6</sup> Ram, P. *Practical Guidance for Measuring Handwashing Behavior: 2013 Update*. Global Scaling Up Handwashing. Washington DC: World Bank Press, 2013.

<sup>7</sup> Handwashing place or facilities may be fixed or mobile and include a sink with tap water, buckets with taps, tippy-taps, and jugs or basins designated for handwashing. Soap includes bar soap, liquid soap, powder detergent, and soapy water but does not include ash, soil, sand or other handwashing agents.

Table WS.2.1: Handwashing facility with soap and water on premises

Percent distribution of household members by observation of handwashing facility and percentage of household members by availability of water and soap or detergent at the handwashing facility, Thailand, 2022

|  | Handwashing facility observed |                        | No handwashing facility observed in the dwelling, yard, or plot | No permission to see/ Other | Total        | Number of household members | Handwashing facility observed and |                |                     |                              | Number of household members where handwashing facility was observed | Percentage of household members with handwashing facility where water and soap or other cleansing agent are present <sup>1</sup> | Number of household members where handwashing facility was observed or with no handwashing facility in the dwelling, yard, or plot |
|--|-------------------------------|------------------------|---|-----------------------------|--------------|-----------------------------|-----------------------------------|----------------|---------------------|------------------------------|---|--|--|
|  | Fixed facility observed       | Mobile object observed |   |                             |              |                             | water available                   | soap available | detergent available | dishwashing liquid available |   |  |  |
| <b>Total</b>                             | <b>72.5</b>                   | <b>11.7</b>            | <b>2.3</b>  | <b>13.5</b>                 | <b>100.0</b> | <b>79,511</b>               | <b>97.3</b>                       | <b>55.6</b>    | <b>18.7</b>         | <b>72.8</b>                  | <b>66,936</b>   | <b>92.3</b>  | <b>68,739</b>  |
| <b>Area</b>                              |                               |                        |   |                             |              |                             |                                   |                |                     |                              |   |  |  |
| Urban                                    | 66.2                          | 8.5                    | 1.7   | 23.6                        | 100.0        | 40,204                      | 97.5                              | 60.3           | 18.8                | 70.8                         | 30,022  | 93.0   | 30,698   |
| Rural                                    | 79.0                          | 14.9                   | 2.9   | 3.2                         | 100.0        | 39,307                      | 97.2                              | 51.8           | 18.7                | 74.5                         | 36,915  | 91.7   | 38,041   |
| <b>Region</b>                            |                               |                        |   |                             |              |                             |                                   |                |                     |                              |   |  |  |
| Bangkok                                  | 39.0                          | 0.9                    | 1.9   | 58.2                        | 100.0        | 10,855                      | 98.2                              | 74.3           | 29.9                | 64.9                         | 4,333   | 91.9   | 4,535  |
| Central                                  | 74.5                          | 10.2                   | 1.7   | 13.6                        | 100.0        | 24,408                      | 98.3                              | 64.1           | 23.4                | 67.7                         | 20,685  | 95.1   | 21,099   |
| North                                    | 86.3                          | 9.4                    | 2.7   | 1.6                         | 100.0        | 12,504                      | 98.0                              | 49.6           | 9.4                 | 80.9                         | 11,967  | 93.3   | 12,308   |
| Northeast                                | 74.6                          | 21.1                   | 1.7   | 2.6                         | 100.0        | 20,982                      | 96.3                              | 50.7           | 19.9                | 78.3                         | 20,089  | 93.3   | 20,445   |
| South                                    | 81.8                          | 9.9                    | 4.6   | 3.8                         | 100.0        | 10,763                      | 96.1                              | 46.8           | 12.9                | 66.2                         | 9,862   | 83.7   | 10,353   |
| <b>Education of household head</b>       |                               |                        |   |                             |              |                             |                                   |                |                     |                              |   |  |  |
| Pre-primary or none                      | 67.9                          | 18.4                   | 4.7   | 9.1                         | 100.0        | 3,702                       | 95.7                              | 46.4           | 9.9                 | 75.3                         | 3,192   | 86.6   | 3,365  |
| Primary                                  | 74.8                          | 15.4                   | 2.6   | 7.2                         | 100.0        | 41,775                      | 97.0                              | 50.2           | 20.0                | 75.6                         | 37,679  | 91.7   | 38,763   |
| Lower secondary                          | 74.1                          | 10.6                   | 2.1   | 13.2                        | 100.0        | 9,357                       | 97.9                              | 57.5           | 18.5                | 71.8                         | 7,925   | 93.3   | 8,121  |
| Upper secondary                          | 70.8                          | 7.5                    | 2.1   | 19.6                        | 100.0        | 10,638                      | 97.2                              | 61.1           | 19.0                | 69.9                         | 8,331   | 92.5   | 8,553  |
| Higher                                   | 67.3                          | 2.3                    | 0.9   | 29.4                        | 100.0        | 13,755                      | 98.6                              | 74.3           | 17.0                | 64.0                         | 9,580   | 95.5   | 9,705  |
| DK/Missing                               | 69.8                          | 11.3                   | 0.7   | 18.2                        | 100.0        | 283                         | 97.0                              | 18.1           | 10.0                | 87.7                         | 230   | 93.8   | 232  |
| <b>Native language of household head</b> |                               |                        |   |                             |              |                             |                                   |                |                     |                              |   |  |  |
| Thai                                     | 72.8                          | 11.1                   | 2.1   | 14.0                        | 100.0        | 74,513                      | 97.4                              | 57.3           | 19.6                | 72.7                         | 62,486  | 92.9   | 64,049   |
| Non-Thai                                 | 68.2                          | 20.8                   | 4.8   | 6.2                         | 100.0        | 4,998                       | 96.6                              | 31.7           | 6.1                 | 74.1                         | 4,450   | 84.5   | 4,690  |
| <b>Wealth index quintile</b>             |                               |                        |   |                             |              |                             |                                   |                |                     |                              |   |  |  |
| Poorest                                  | 62.0                          | 28.1                   | 5.4   | 4.5                         | 100.0        | 15,900                      | 94.9                              | 37.5           | 16.1                | 76.9                         | 14,334  | 85.1   | 15,192   |
| Second                                   | 69.1                          | 15.6                   | 3.2   | 12.2                        | 100.0        | 15,905                      | 96.8                              | 47.1           | 16.8                | 73.7                         | 13,462  | 90.6   | 13,968   |
| Middle                                   | 76.3                          | 9.3                    | 1.5   | 12.9                        | 100.0        | 15,901                      | 97.6                              | 53.3           | 18.1                | 74.6                         | 13,607  | 93.8   | 13,850   |
| Fourth                                   | 81.0                          | 4.6                    | 0.5   | 13.9                        | 100.0        | 15,903                      | 98.7                              | 65.4           | 22.5                | 71.9                         | 13,612  | 96.5   | 13,693   |
| Richest                                  | 74.2                          | 0.8                    | 0.7   | 24.3                        | 100.0        | 15,902                      | 98.9                              | 78.3           | 20.3                | 66.0                         | 11,921  | 96.8   | 12,036   |

<sup>1</sup> MICS indicator WS.7 - Handwashing facility with water and soap; SDG indicators 1.4.1 & 6.2.1

### 9.3 SANITATION

Unsafe management of human excreta and poor personal hygiene are closely associated with diarrhoea as well as parasitic infections, such as soil transmitted helminths (worms). Improved sanitation and hygiene can reduce diarrhoeal disease by more than a third<sup>8</sup>, and can substantially reduce the health impact of soil-transmitted helminth infection and a range of other neglected tropical diseases which affect over 1 billion people worldwide<sup>9</sup>.

The SDG targets relating to sanitation are much more ambitious than the MDGs and variously aim to achieve universal access to basic services (SDG 1.4) and universal access to safely managed services (SDG 6.2).

An improved sanitation facility is defined as one that hygienically separates human excreta from human contact. Improved sanitation facilities include flush or pour flush to piped sewer systems, septic tanks or pit latrines, ventilated improved pit latrines, pit latrines with slabs and composting toilets. Table WS.3.1 shows the population using improved and unimproved sanitation facilities. It also shows the proportion who dispose of faeces in fields, forests, bushes, open water bodies of water, beaches or other open spaces, or with solid waste, a practice known as 'open defecation'.

Table WS.3.2 presents the distribution of household population using improved and unimproved sanitation facilities which are private, shared with other households or public facilities. Those using shared or public improved sanitation facilities are classed as having a 'limited' service for the purpose of SDG monitoring. Households using improved sanitation facilities that are not shared with other households meet the SDG criteria for a 'basic' sanitation service and may be considered 'safely managed' depending on how excreta are managed.

Table WS.3.3 shows the methods used for emptying and removal of excreta from improved pit latrines and septic tanks. Excreta from improved pit latrines and septic tanks that is never emptied (or don't know if ever emptied) or is emptied and buried in a covered pit is classed as 'safely disposed in situ' and meets the SDG criteria for a 'safely managed' sanitation service. Excreta from improved pit latrines and septic tanks that is removed by a service provider to treatment may also be safely managed, depending on the type of treatment received. Other methods of emptying and removal are not considered 'safely managed'.

Table WS.3.4 summarises the main ways in which excreta is managed from households with improved on-site sanitation systems (improved pit latrines and septic tanks) and compares these with the proportion with sewer connections, unimproved sanitation or practicing open defecation.

The JMP has produced regular estimates of national, regional and global progress on drinking water, sanitation and hygiene (WASH) since 1990. The JMP service 'ladders' enable benchmarking and comparison of progress across countries at different stages of development. As of 2015, updated water and sanitation ladders have been introduced which build on established indicators and establish new rungs with additional criteria relating to service levels. A third ladder has also been introduced for handwashing hygiene<sup>10</sup>. Table WS.3.5 summarises the percentages of household population meeting the SDG criteria for 'basic' drinking water, sanitation and handwashing services.

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<sup>8</sup> Cairncross, S. et al. "Water, Sanitation and Hygiene for the Prevention of Diarrhoea." *International Journal of Epidemiology* 39, no. Suppl1 (2010): 193-205. doi:10.1093/ije/dyq035.

<sup>9</sup> WHO. *Water, sanitation and hygiene for accelerating and sustaining progress on Neglected Tropical Diseases*. A Global Strategy 2015-2020. Geneva: WHO Press, 2015.

[http://apps.who.int/iris/bitstream/handle/10665/182735/WHO\\_FWC\\_WSH\\_15.12\\_eng.pdf;jsessionid=7F7C38216E04E69E7908AB6E8B63318F?sequence=1](http://apps.who.int/iris/bitstream/handle/10665/182735/WHO_FWC_WSH_15.12_eng.pdf;jsessionid=7F7C38216E04E69E7908AB6E8B63318F?sequence=1).

<sup>10</sup> WHO, UNICEF and JMP. *Progress on Drinking Water, Sanitation and Hygiene*. Geneva: WHO Press, 2017.

<http://apps.who.int/iris/bitstream/handle/10665/258617/9789241512893-eng.pdf?sequence=1>.

**Table WS.3.1: Use of improved and unimproved sanitation facilities**

Percent distribution of household population by type of sanitation facility used by the household, Thailand, 2022

|  | Type of sanitation facility used by household |             |            |            |                                 |                       |                                |                                   |            |  |            | Total        | Percentage using improved sanitation <sup>1</sup> | Number of household members |
|--|---|-------------|------------|------------|---------------------------------|-----------------------|--------------------------------|-----------------------------------|------------|--|------------|--------------|---|-----------------------------|
|  | Improved sanitation facility                  |             |            |            |                                 |                       | Unimproved sanitation facility |                                   |            |  |            |              |   |                             |
|  | Flush/Pour flush to:                          |             |            |            | Ventilated improved pit latrine | Pit latrine with slab | Flush/Pour flush to elsewhere  | Pit latrine without slab/Open pit | Other      | Open defecation (no facility, bush, field) | DK/Missing |              |   |                             |
| Piped sewer system                     | Septic tank                                   | Pit latrine | DK where   |            |                                 |                       |                                |                                   |            |  |            |              |   |                             |
| <b>Total</b>                           | <b>22.5</b>                                   | <b>73.5</b> | <b>3.6</b> | <b>0.1</b> | <b>0.0</b>                      | <b>0.1</b>            | <b>0.1</b>                     | <b>0.0</b>                        | <b>0.0</b> | <b>0.0</b>                                 | <b>0.0</b> | <b>100.0</b> | <b>99.8</b>                                       | <b>79,511</b>               |
| <b>Area</b>                            |   |             |            |            |                                 |                       |                                |                                   |            |  |            |              |   |                             |
| Urban                                  | 33.9  | 64.5        | 1.4        | 0.1        | 0.0                             | 0.1                   | 0.0                            | 0.0                               | 0.0        | 0.0  | 0.0        | 100.0        | 99.9  | 40,204                      |
| Rural                                  | 10.8  | 82.8        | 5.9        | 0.0        | 0.0                             | 0.2                   | 0.1                            | 0.0                               | 0.1        | 0.1  | 0.0        | 100.0        | 99.7  | 39,307                      |
| <b>Region</b>                          |   |             |            |            |                                 |                       |                                |                                   |            |  |            |              |   |                             |
| Bangkok                                | 57.3  | 42.7        | 0.0        | 0.0        | 0.0                             | 0.0                   | 0.0                            | 0.0                               | 0.0        | 0.0  | 0.0        | 100.0        | 100.0   | 10,855                      |
| Central                                | 33.1  | 62.9        | 3.7        | 0.0        | 0.0                             | 0.0                   | 0.2                            | 0.0                               | 0.0        | 0.1  | 0.0        | 100.0        | 99.8  | 24,408                      |
| North                                  | 9.6   | 85.0        | 4.6        | 0.0        | 0.0                             | 0.5                   | 0.0                            | 0.1                               | 0.0        | 0.1  | 0.0        | 100.0        | 99.8  | 12,504                      |
| Northeast                              | 5.1   | 93.6        | 0.7        | 0.2        | 0.1                             | 0.3                   | 0.0                            | 0.0                               | 0.0        | 0.0  | 0.0        | 100.0        | 99.9  | 20,982                      |
| South                                  | 11.7  | 76.2        | 11.5       | 0.1        | 0.0                             | 0.0                   | 0.1                            | 0.0                               | 0.2        | 0.0  | 0.0        | 100.0        | 99.6  | 10,763                      |
| <b>Education of household head</b>     |   |             |            |            |                                 |                       |                                |                                   |            |  |            |              |   |                             |
| Pre-primary or none                    | 14.8  | 80.8        | 3.7        | 0.0        | 0.1                             | 0.1                   | 0.1                            | 0.2                               | 0.0        | 0.1  | 0.0        | 100.0        | 99.6  | 3,702                       |
| Primary                                | 13.4  | 82.1        | 4.1        | 0.0        | 0.0                             | 0.2                   | 0.1                            | 0.0                               | 0.0        | 0.0  | 0.0        | 100.0        | 99.8  | 41,775                      |
| Lower secondary                        | 28.5  | 65.9        | 5.1        | 0.0        | 0.0                             | 0.1                   | 0.0                            | 0.0                               | 0.1        | 0.2  | 0.0        | 100.0        | 99.7  | 9,357                       |
| Upper secondary                        | 29.8  | 68.0        | 1.9        | 0.1        | 0.0                             | 0.1                   | 0.0                            | 0.0                               | 0.0        | 0.0  | 0.0        | 100.0        | 100.0   | 10,638                      |
| Higher                                 | 42.7  | 54.4        | 2.7        | 0.2        | 0.0                             | 0.0                   | 0.0                            | 0.0                               | 0.0        | 0.0  | 0.0        | 100.0        | 100.0   | 13,755                      |
| DK/Missing                             | 4.6   | 95.0        | 0.0        | 0.4        | 0.0                             | 0.0                   | 0.0                            | 0.0                               | 0.0        | 0.0  | 0.0        | 100.0        | 100.0   | 283                         |
| <b>Location of sanitation facility</b> |   |             |            |            |                                 |                       |                                |                                   |            |  |            |              |   |                             |
| In dwelling                            | 24.8  | 71.5        | 3.5        | 0.1        | 0.0                             | 0.1                   | 0.1                            | 0.0                               | 0.0        | 0.0  | 0.0        | 100.0        | 99.9  | 70,729                      |
| In plot/yard                           | 3.8   | 90.7        | 4.9        | 0.0        | 0.0                             | 0.4                   | 0.0                            | 0.0                               | 0.1        | 0.0  | 0.0        | 100.0        | 99.9  | 8,654                       |
| Elsewhere                              | 14.2  | 58.3        | 1.0        | 0.0        | 0.0                             | 0.0                   | 0.0                            | 0.0                               | 23.6       | 0.0  | 2.8        | 100.0        | 73.6  | 98                          |
| No facility/Bush/Field                 | na  | na          | na         | na         | na                              | na                    | na                             | na                                | na         | 100.0                                      | na         | 100.0        | 0.0   | 28                          |



**Table WS.3.1: Use of improved and unimproved sanitation facilities (continued)**

Percent distribution of household population by type of sanitation facility used by the household, Thailand, 2022

|   | Type of sanitation facility used by household |             |          |     |                                 |                       |                                |                                   |       |  |             |       | Percentage using improved sanitation <sup>1</sup> | Number of household members |
|---|---|-------------|----------|-----|---------------------------------|-----------------------|--------------------------------|-----------------------------------|-------|--|-------------|-------|---|-----------------------------|
|   | Improved sanitation facility                  |             |          |     |                                 |                       | Unimproved sanitation facility |                                   |       |  |             |       |   |                             |
|   | Flush/Pour flush to:                          |             |          |     | Ventilated improved pit latrine | Pit latrine with slab | Flush/Pour flush to elsewhere  | Pit latrine without slab/Open pit | Other | Open defecation (no facility, bush, field) | DK/ Missing | Total |   |                             |
| Piped sewer system  | Septic tank                                   | Pit latrine | DK where |     |                                 |                       |                                |                                   |       |  |             |       |   |                             |
| <b>Native language of household head</b>  |   |             |          |     |                                 |                       |                                |                                   |       |  |             |       |   |                             |
| Thai  | 23.2  | 72.8        | 3.6      | 0.1 | 0.0                             | 0.1                   | 0.1                            | 0.0                               | 0.0   | 0.0  | 0.0         | 100.0 | 99.9  | 74,513                      |
| Non-Thai  | 11.2  | 84.1        | 3.9      | 0.0 | 0.0                             | 0.2                   | 0.1                            | 0.0                               | 0.2   | 0.1  | 0.1         | 100.0 | 99.5  | 4,998                       |
| <b>Wealth index quintile</b>  |   |             |          |     |                                 |                       |                                |                                   |       |  |             |       |   |                             |
| Poorest   | 5.7   | 87.8        | 5.5      | 0.0 | 0.1                             | 0.4                   | 0.2                            | 0.0                               | 0.2   | 0.1  | 0.0         | 100.0 | 99.5  | 15,900                      |
| Second  | 18.8  | 76.8        | 4.1      | 0.0 | 0.0                             | 0.1                   | 0.0                            | 0.0                               | 0.0   | 0.1  | 0.0         | 100.0 | 99.9  | 15,905                      |
| Middle  | 19.6  | 76.1        | 4.0      | 0.1 | 0.0                             | 0.1                   | 0.0                            | 0.0                               | 0.0   | 0.0  | 0.0         | 100.0 | 99.9  | 15,901                      |
| Fourth  | 25.8  | 71.2        | 2.8      | 0.1 | 0.0                             | 0.1                   | 0.1                            | 0.0                               | 0.0   | 0.0  | 0.0         | 100.0 | 99.9  | 15,903                      |
| Richest   | 42.4  | 55.8        | 1.7      | 0.0 | 0.0                             | 0.0                   | 0.0                            | 0.0                               | 0.0   | 0.0  | 0.0         | 100.0 | 99.9  | 15,902                      |
| <sup>1</sup> MICS indicator WS.8 - Use of improved sanitation facilities  |   |             |          |     |                                 |                       |                                |                                   |       |  |             |       |   |                             |
| na: not applicable  |   |             |          |     |                                 |                       |                                |                                   |       |  |             |       |   |                             |
| Note: The category of 'No response' in the background characteristic of 'Location of sanitation facility' has been suppressed from the table due to a small number of unweighted cases. |   |             |          |     |                                 |                       |                                |                                   |       |  |             |       |   |                             |

Table WS.3.2: Use of basic and limited sanitation services

Percent distribution of household population by use of private and public sanitation facilities and use of shared facilities, by users of improved and unimproved sanitation facilities, Thailand, 2022

|  | Users of improved sanitation facilities |                         |                           |                 | Users of unimproved sanitation facilities |                         |                 | Open defecation<br>(no facility, bush,<br>field) | Total        | Number of<br>household<br>members |
|--|---|-------------------------|---------------------------|-----------------|---|-------------------------|-----------------|--|--------------|-----------------------------------|
|  | Not shared <sup>1</sup>                 | Shared by               |                           | Public facility | Not shared                                | Shared by               |                 |  |              |                                   |
|  |   | 5 households<br>or less | More than 5<br>households |                 |   | 5 households<br>or less | Public facility |  |              |                                   |
| <b>Total</b>                           | <b>98.2</b>                             | <b>1.1</b>              | <b>0.3</b>                | <b>0.1</b>      | <b>0.1</b>                                | <b>0.0</b>              | <b>0.0</b>      | <b>0.0</b>                                       | <b>100.0</b> | <b>79,511</b>                     |
| <b>Area</b>                            |   |                         |                           |                 |   |                         |                 |  |              |                                   |
| Urban                                  | 97.9                                    | 1.3                     | 0.6                       | 0.1             | 0.0                                       | 0.0                     | 0.0             | 0.0  | 100.0        | 40,204                            |
| Rural                                  | 98.6                                    | 1.0                     | 0.1                       | 0.1             | 0.1                                       | 0.1                     | 0.0             | 0.1  | 100.0        | 39,307                            |
| <b>Region</b>                          |   |                         |                           |                 |   |                         |                 |  |              |                                   |
| Bangkok                                | 95.6                                    | 2.8                     | 1.4                       | 0.1             | 0.0                                       | 0.0                     | 0.0             | 0.0  | 100.0        | 10,855                            |
| Central                                | 98.5                                    | 1.1                     | 0.2                       | 0.0             | 0.2                                       | 0.0                     | 0.0             | 0.1  | 100.0        | 24,408                            |
| North                                  | 98.6                                    | 0.9                     | 0.3                       | 0.1             | 0.1                                       | 0.0                     | 0.0             | 0.1  | 100.0        | 12,504                            |
| Northeast                              | 99.4                                    | 0.3                     | 0.0                       | 0.2             | 0.0                                       | 0.0                     | 0.0             | 0.0  | 100.0        | 20,982                            |
| South                                  | 97.7                                    | 1.4                     | 0.4                       | 0.1             | 0.1                                       | 0.2                     | 0.0             | 0.0  | 100.0        | 10,763                            |
| <b>Education of household head</b>     |   |                         |                           |                 |   |                         |                 |  |              |                                   |
| Pre-primary or none                    | 97.2                                    | 1.6                     | 0.7                       | 0.1             | 0.3                                       | 0.0                     | 0.0             | 0.1  | 100.0        | 3,702                             |
| Primary                                | 98.1                                    | 1.2                     | 0.4                       | 0.1             | 0.1                                       | 0.0                     | 0.0             | 0.0  | 100.0        | 41,775                            |
| Lower secondary                        | 97.5                                    | 1.5                     | 0.5                       | 0.1             | 0.0                                       | 0.1                     | 0.0             | 0.2  | 100.0        | 9,357                             |
| Upper secondary                        | 98.4                                    | 1.1                     | 0.3                       | 0.2             | 0.0                                       | 0.0                     | 0.0             | 0.0  | 100.0        | 10,638                            |
| Higher                                 | 99.4                                    | 0.4                     | 0.1                       | 0.1             | 0.0                                       | 0.0                     | 0.0             | 0.0  | 100.0        | 13,755                            |
| DK/Missing                             | 97.4                                    | 2.6                     | 0.0                       | 0.0             | 0.0                                       | 0.0                     | 0.0             | 0.0  | 100.0        | 283                               |
| <b>Location of sanitation facility</b> |   |                         |                           |                 |   |                         |                 |  |              |                                   |
| In dwelling                            | 99.1                                    | 0.6                     | 0.1                       | 0.1             | 0.1                                       | 0.0                     | 0.0             | 0.0  | 100.0        | 70,729                            |
| In plot/yard                           | 92.6                                    | 4.9                     | 2.1                       | 0.3             | 0.0                                       | 0.1                     | 0.0             | 0.0  | 100.0        | 8,654                             |
| Elsewhere                              | 21.7                                    | 45.3                    | 6.6                       | 0.0             | 0.0                                       | 22.8                    | 0.8             | 0.0  | 100.0        | 98                                |
| No facility/Bush/Field                 | na                                      | na                      | na                        | na              | na  | na                      | na              | 100.0  | 100.0        | 28                                |

**Table WS.3.2: Use of basic and limited sanitation services (continued)**

Percent distribution of household population by use of private and public sanitation facilities and use of shared facilities, by users of improved and unimproved sanitation facilities, Thailand, 2022

|  | Users of improved sanitation facilities |                         |                           |                 | Users of unimproved sanitation facilities |                         |                 | Open defecation<br>(no facility, bush,<br>field) | Total | Number of<br>household<br>members |
|--|---|-------------------------|---------------------------|-----------------|---|-------------------------|-----------------|--|-------|-----------------------------------|
|  | Not shared <sup>1</sup>                 | Shared by               |                           | Public facility | Not shared                                | Shared by               |                 |  |       |                                   |
|  |   | 5 households<br>or less | More than 5<br>households |                 |   | 5 households<br>or less | Public facility |  |       |                                   |
| <b>Native language of household head</b>   |   |                         |                           |                 |   |                         |                 |  |       |                                   |
| Thai   | 98.5                                    | 1.0                     | 0.2                       | 0.1             | 0.1                                       | 0.0                     | 0.0             | 0.0  | 100.0 | 74,513                            |
| Non-Thai   | 93.9                                    | 2.9                     | 2.4                       | 0.3             | 0.1                                       | 0.2                     | 0.0             | 0.1  | 100.0 | 4,998                             |
| <b>Wealth index quintile</b>   |   |                         |                           |                 |   |                         |                 |  |       |                                   |
| Poorest  | 94.8                                    | 2.9                     | 1.6                       | 0.2             | 0.2                                       | 0.2                     | 0.0             | 0.1  | 100.0 | 15,900                            |
| Second   | 98.2                                    | 1.5                     | 0.1                       | 0.1             | 0.1                                       | 0.0                     | 0.0             | 0.1  | 100.0 | 15,905                            |
| Middle   | 99.2                                    | 0.6                     | 0.0                       | 0.1             | 0.0                                       | 0.0                     | 0.0             | 0.0  | 100.0 | 15,901                            |
| Fourth   | 99.4                                    | 0.3                     | 0.0                       | 0.1             | 0.1                                       | 0.0                     | 0.0             | 0.0  | 100.0 | 15,903                            |
| Richest  | 99.6                                    | 0.3                     | 0.0                       | 0.1             | 0.0                                       | 0.0                     | 0.0             | 0.0  | 100.0 | 15,902                            |
| <sup>1</sup> MICS indicator WS.9 - Use of basic sanitation services; SDG indicators 1.4.1 & 6.2.1  |   |                         |                           |                 |   |                         |                 |  |       |                                   |
| na: not applicable   |   |                         |                           |                 |   |                         |                 |  |       |                                   |
| Note: The category of 'No response' in the background characteristic of 'Location of sanitation facility' has been suppressed from the table due to a small number of unweighted cases |   |                         |                           |                 |   |                         |                 |  |       |                                   |

Table WS.3.3: Emptying and removal of excreta from on-site sanitation facilities

Percent distribution of household members in households with septic tanks and improved latrines by method of emptying and removal, Thailand, 2022

|                                    | Emptying and disposal of wastes from septic tanks |                                     |                         |   |            |                                    |               |                    | Emptying and disposal of wastes from other improved on-site sanitation facilities |                                     |                         |   |                                    |               |                    |              | Total       | Safe disposal in situ of excreta from on-site sanitation facilities <sup>1</sup> | Unsafe disposal of excreta from on-site sanitation facilities | Removal of excreta for treatment from on-site sanitation facilities | Number of household members in households with improved on-site sanitation facilities |
|------------------------------------|---|-------------------------------------|-------------------------|---|------------|------------------------------------|---------------|--------------------|---|-------------------------------------|-------------------------|---|------------------------------------|---------------|--------------------|--------------|-------------|--|---|---|---|
|                                    | Removed by a service provider to treatment        | Removed by a service provider to DK | Buried in a covered pit | To un-covered pit, open ground, water body or elsewhere | Other      | Don't know where wastes were taken | Never emptied | DK if ever emptied | Removed by a service provider to treatment  | Removed by a service provider to DK | Buried in a covered pit | To un-covered pit, open ground, water body or elsewhere | Don't know where wastes were taken | Never emptied | DK if ever emptied |              |             |  |   |   |   |
|                                    |   |                                     |                         |   |            |                                    |               |                    |   |                                     |                         |   |                                    |               |                    |              |             |  |   |   |   |
| <b>Total</b>                       | <b>5.0</b>  | <b>52.9</b>                         | <b>0.5</b>              | <b>0.8</b>  | <b>0.0</b> | <b>3.1</b>                         | <b>30.9</b>   | <b>1.9</b>         | <b>0.4</b>  | <b>1.2</b>                          | <b>0.1</b>              | <b>0.2</b>  | <b>0.0</b>                         | <b>3.0</b>    | <b>0.0</b>         | <b>100.0</b> | <b>36.3</b> | <b>1.0</b>   | <b>62.6</b>   | <b>61,478</b>   |   |
| <b>Area</b>                        |   |                                     |                         |   |            |                                    |               |                    |   |                                     |                         |   |                                    |               |                    |              |             |  |   |   |   |
| Urban                              | 5.7   | 47.5                                | 0.3                     | 0.2   | 0.0        | 4.8                                | 35.6          | 3.6                | 0.3   | 0.4                                 | 0.2                     | 0.0   | 0.0                                | 1.4           | 0.0                | 100.0        | 41.1        | 0.2  | 58.7  | 26,524  |   |
| Rural                              | 4.4   | 57.0                                | 0.6                     | 1.3   | 0.1        | 1.9                                | 27.3          | 0.6                | 0.5   | 1.8                                 | 0.0                     | 0.3   | 0.0                                | 4.2           | 0.0                | 100.0        | 32.7        | 1.7  | 65.6  | 34,955  |   |
| <b>Region</b>                      |   |                                     |                         |   |            |                                    |               |                    |   |                                     |                         |   |                                    |               |                    |              |             |  |   |   |   |
| Bangkok                            | 6.2   | 23.0                                | 0.3                     | 0.0   | 0.0        | 18.2                               | 45.5          | 6.9                | 0.0   | 0.0                                 | 0.0                     | 0.0   | 0.0                                | 0.0           | 0.0                | 100.0        | 52.6        | 0.0  | 47.4  | 4,638   |   |
| Central                            | 7.9   | 38.4                                | 0.6                     | 0.7   | 0.2        | 2.8                                | 40.7          | 3.2                | 0.0   | 0.3                                 | 0.0                     | 0.0   | 0.0                                | 5.3           | 0.0                | 100.0        | 49.7        | 0.9  | 49.4  | 16,259  |   |
| North                              | 1.2   | 50.6                                | 0.4                     | 0.4   | 0.0        | 3.2                                | 36.9          | 1.7                | 0.0   | 3.5                                 | 0.0                     | 0.0   | 0.0                                | 2.1           | 0.0                | 100.0        | 41.1        | 0.5  | 58.4  | 11,270  |   |
| Northeast                          | 3.5   | 87.1                                | 0.3                     | 0.0   | 0.0        | 1.0                                | 6.9           | 0.1                | 0.2   | 0.7                                 | 0.0                     | 0.0   | 0.1                                | 0.1           | 0.0                | 100.0        | 7.4         | 0.0  | 92.6  | 19,857  |   |
| South                              | 7.1   | 23.7                                | 0.7                     | 3.5   | 0.0        | 0.8                                | 50.1          | 1.1                | 2.2   | 1.4                                 | 0.6                     | 1.2   | 0.0                                | 7.8           | 0.0                | 100.0        | 60.3        | 4.6  | 35.1  | 9,453   |   |
| <b>Education of household head</b> |   |                                     |                         |   |            |                                    |               |                    |   |                                     |                         |   |                                    |               |                    |              |             |  |   |   |   |
| Pre-primary or none                | 2.6   | 35.6                                | 0.3                     | 0.5   | 0.0        | 2.4                                | 50.3          | 3.7                | 0.2   | 0.5                                 | 0.0                     | 0.1   | 0.0                                | 3.8           | 0.0                | 100.0        | 58.1        | 0.6  | 41.3  | 3,138   |   |
| Primary                            | 4.5   | 59.8                                | 0.4                     | 0.9   | 0.1        | 2.7                                | 25.5          | 1.1                | 0.4   | 1.5                                 | 0.2                     | 0.3   | 0.0                                | 2.5           | 0.0                | 100.0        | 29.8        | 1.3  | 69.0  | 36,104  |   |
| Lower secondary                    | 5.9   | 44.3                                | 0.9                     | 0.9   | 0.0        | 3.7                                | 35.0          | 2.0                | 0.2   | 0.8                                 | 0.0                     | 0.1   | 0.0                                | 6.2           | 0.0                | 100.0        | 44.1        | 1.0  | 54.9  | 6,659   |   |
| Upper secondary                    | 6.6   | 46.3                                | 0.9                     | 1.2   | 0.0        | 3.9                                | 35.6          | 2.5                | 0.5   | 0.6                                 | 0.0                     | 0.0   | 0.0                                | 1.8           | 0.0                | 100.0        | 40.8        | 1.2  | 58.0  | 7,454   |   |
| Higher                             | 6.3   | 42.5                                | 0.1                     | 0.1   | 0.0        | 4.2                                | 38.8          | 3.2                | 0.4   | 0.8                                 | 0.0                     | 0.0   | 0.0                                | 3.4           | 0.0                | 100.0        | 45.6        | 0.1  | 54.3  | 7,855   |   |
| DK/Missing                         | 0.0   | 23.9                                | 0.0                     | 0.5   | 0.0        | 0.1                                | 53.2          | 22.4               | 0.0   | 0.0                                 | 0.0                     | 0.0   | 0.0                                | 0.0           | 0.0                | 100.0        | 75.6        | 0.5  | 24.0  | 269   |   |

Table WS.3.3: Emptying and removal of excreta from on-site sanitation facilities (continued)

Percent distribution of household members in households with septic tanks and improved latrines by method of emptying and removal, Thailand, 2022

|  | Emptying and disposal of wastes from septic tanks |                                     |                         |   |       |                                    |               |                    | Emptying and disposal of wastes from other improved on-site sanitation facilities |                                     |                         |   |                                    |               |                    |       | Total | Safe disposal in situ of excreta from on-site sanitation facilities <sup>1</sup> | Unsafe disposal of excreta from on-site sanitation facilities | Removal of excreta for treatment from on-site sanitation facilities | Number of household members in households with improved on-site sanitation facilities |
|--|---|-------------------------------------|-------------------------|---|-------|------------------------------------|---------------|--------------------|---|-------------------------------------|-------------------------|---|------------------------------------|---------------|--------------------|-------|-------|--|---|---|---|
|  | Removed by a service provider to treatment        | Removed by a service provider to DK | Buried in a covered pit | To un-covered pit, open ground, water body or elsewhere | Other | Don't know where wastes were taken | Never emptied | DK if ever emptied | Removed by a service provider to treatment  | Removed by a service provider to DK | Buried in a covered pit | To un-covered pit, open ground, water body or elsewhere | Don't know where wastes were taken | Never emptied | DK if ever emptied |       |       |  |   |   |   |
| <b>Type of sanitation facility</b>       |   |                                     |                         |   |       |                                    |               |                    |   |                                     |                         |   |                                    |               |                    |       |       |  |   |   |   |
| Flush to septic tank                     | 5.3   | 55.6                                | 0.5                     | 0.8   | 0.1   | 3.3                                | 32.5          | 2.0                | 0.0   | 0.0                                 | 0.0                     | 0.0   | 0.0                                | 0.0           | 0.0                | 100.0 | 34.9  | 0.9  | 64.2  | 58,462  |   |
| Latrines and other improved              | 0.0   | 0.0                                 | 0.0                     | 0.0   | 0.0   | 0.0                                | 0.0           | 0.0                | 8.1   | 23.7                                | 2.0                     | 3.9   | 0.4                                | 61.5          | 0.4                | 100.0 | 63.9  | 3.9  | 32.2  | 3,016   |   |
| Flush to pit latrine                     | 0.0   | 0.0                                 | 0.0                     | 0.0   | 0.0   | 0.0                                | 0.0           | 0.0                | 8.3   | 22.2                                | 2.1                     | 3.8   | 0.2                                | 62.9          | 0.4                | 100.0 | 65.5  | 3.8  | 30.7  | 2,883   |   |
| Ventilated Improved Pit Latrine (VIP)    | 0.0   | 0.0                                 | 0.0                     | 0.0   | 0.0   | 0.0                                | 0.0           | 0.0                | 22.7  | 31.0                                | 0.0                     | 0.0   | 17.4                               | 28.9          | 0.0                | 100.0 | 28.9  | 0.0  | 71.1  | 16  |   |
| Pit latrine with slab                    | 0.0   | 0.0                                 | 0.0                     | 0.0   | 0.0   | 0.0                                | 0.0           | 0.0                | 0.0   | 60.7                                | 0.0                     | 5.6   | 3.9                                | 29.8          | 0.0                | 100.0 | 29.8  | 5.6  | 64.6  | 118   |   |
| <b>Native language of household head</b> |   |                                     |                         |   |       |                                    |               |                    |   |                                     |                         |   |                                    |               |                    |       |       |  |   |   |   |
| Thai                                     | 5.3   | 53.9                                | 0.5                     | 0.9   | 0.1   | 3.3                                | 29.5          | 1.7                | 0.4   | 1.2                                 | 0.1                     | 0.2   | 0.0                                | 2.9           | 0.0                | 100.0 | 34.7  | 1.1  | 64.2  | 57,068  |   |
| Non-Thai                                 | 1.3   | 39.5                                | 0.0                     | 0.0   | 0.0   | 1.4                                | 49.1          | 4.1                | 0.1   | 0.4                                 | 0.0                     | 0.0   | 0.0                                | 4.1           | 0.0                | 100.0 | 57.3  | 0.0  | 42.7  | 4,411   |   |
| <b>Wealth index quintile</b>             |   |                                     |                         |   |       |                                    |               |                    |   |                                     |                         |   |                                    |               |                    |       |       |  |   |   |   |
| Poorest                                  | 2.9   | 58.3                                | 0.4                     | 0.4   | 0.0   | 2.5                                | 27.0          | 2.1                | 0.3   | 1.9                                 | 0.3                     | 0.1   | 0.0                                | 3.9           | 0.0                | 100.0 | 33.8  | 0.4  | 65.8  | 14,920  |   |
| Second                                   | 5.0   | 50.5                                | 0.5                     | 0.7   | 0.0   | 2.5                                | 32.3          | 3.3                | 0.3   | 1.1                                 | 0.0                     | 0.5   | 0.0                                | 3.2           | 0.1                | 100.0 | 39.4  | 1.2  | 59.4  | 12,885  |   |
| Middle                                   | 5.6   | 53.8                                | 0.2                     | 1.4   | 0.2   | 2.3                                | 29.5          | 1.7                | 0.6   | 1.3                                 | 0.1                     | 0.3   | 0.0                                | 2.9           | 0.0                | 100.0 | 34.5  | 1.9  | 63.6  | 12,756  |   |
| Fourth                                   | 6.0   | 52.2                                | 0.5                     | 1.0   | 0.0   | 3.5                                | 32.2          | 0.8                | 0.7   | 0.7                                 | 0.0                     | 0.0   | 0.0                                | 2.4           | 0.0                | 100.0 | 35.9  | 1.0  | 63.1  | 11,781  |   |
| Richest                                  | 6.4   | 47.3                                | 0.7                     | 0.5   | 0.0   | 5.8                                | 35.2          | 1.0                | 0.1   | 0.5                                 | 0.0                     | 0.0   | 0.0                                | 2.3           | 0.0                | 100.0 | 39.3  | 0.6  | 60.2  | 9,137   |   |

<sup>1</sup> MICS indicator WS.10 - Safe disposal in situ of excreta from on-site sanitation facilities; SDG indicator 6.2.1

**Table WS.3.4: Management of excreta from household sanitation facilities**

Percent distribution of household population by management of excreta from household sanitation facilities, Thailand, 2022

|  | Using improved on-site sanitation systems (including shared)        |   |  |                                 | Using unimproved sanitation facilities | Practicing open defecation | Missing    | Total        | Number of household members |
|--|---|---|--|---------------------------------|--|----------------------------|------------|--------------|-----------------------------|
|  | Safe disposal in situ of excreta from on-site sanitation facilities | Unsafe disposal of excreta from on-site sanitation facilities | Removal of excreta for treatment off-site <sup>1</sup> | Connected to sewer <sup>A</sup> |  |                            |            |              |                             |
| <b>Total</b>                             | <b>28.1</b>   | <b>0.8</b>  | <b>48.4</b>  | <b>22.5</b>                     | <b>0.1</b>                             | <b>0.0</b>                 | <b>0.0</b> | <b>100.0</b> | <b>79,511</b>               |
| <b>Area</b>                              |   |   |  |                                 |  |                            |            |              |                             |
| Urban                                    | 27.1  | 0.1   | 38.7   | 34.0                            | 0.1                                    | 0.0                        | 0.0        | 100.0        | 40,204                      |
| Rural                                    | 29.1  | 1.5   | 58.4   | 10.8                            | 0.2                                    | 0.1                        | 0.0        | 100.0        | 39,307                      |
| <b>Region</b>                            |   |   |  |                                 |  |                            |            |              |                             |
| Bangkok                                  | 22.5  | 0.0   | 20.2   | 57.3                            | 0.0                                    | 0.0                        | 0.0        | 100.0        | 10,855                      |
| Central                                  | 33.1  | 0.6   | 32.9   | 33.1                            | 0.2                                    | 0.1                        | 0.0        | 100.0        | 24,408                      |
| North                                    | 37.1  | 0.4   | 52.7   | 9.7                             | 0.1                                    | 0.1                        | 0.0        | 100.0        | 12,504                      |
| Northeast                                | 7.0   | 0.0   | 87.6   | 5.3                             | 0.0                                    | 0.0                        | 0.0        | 100.0        | 20,982                      |
| South                                    | 53.0  | 4.1   | 30.8   | 11.8                            | 0.3                                    | 0.0                        | 0.0        | 100.0        | 10,763                      |
| <b>Education of household head</b>       |   |   |  |                                 |  |                            |            |              |                             |
| Pre-primary or none                      | 49.2  | 0.5   | 35.0   | 14.8                            | 0.3                                    | 0.1                        | 0.0        | 100.0        | 3,702                       |
| Primary                                  | 25.7  | 1.1   | 59.6   | 13.4                            | 0.2                                    | 0.0                        | 0.0        | 100.0        | 41,775                      |
| Lower secondary                          | 31.4  | 0.7   | 39.0   | 28.5                            | 0.2                                    | 0.2                        | 0.0        | 100.0        | 9,357                       |
| Upper secondary                          | 28.6  | 0.8   | 40.6   | 29.9                            | 0.0                                    | 0.0                        | 0.0        | 100.0        | 10,638                      |
| Higher                                   | 26.0  | 0.1   | 31.0   | 42.9                            | 0.0                                    | 0.0                        | 0.0        | 100.0        | 13,755                      |
| DK/Missing                               | 71.8  | 0.4   | 22.8   | 5.0                             | 0.0                                    | 0.0                        | 0.0        | 100.0        | 283                         |
| <b>Native language of household head</b> |   |   |  |                                 |  |                            |            |              |                             |
| Thai                                     | 26.6  | 0.9   | 49.1   | 23.3                            | 0.1                                    | 0.0                        | 0.0        | 100.0        | 74,513                      |
| Non-Thai                                 | 50.6  | 0.0   | 37.7   | 11.3                            | 0.3                                    | 0.1                        | 0.1        | 100.0        | 4,998                       |
| <b>Wealth index quintile</b>             |   |   |  |                                 |  |                            |            |              |                             |
| Poorest                                  | 31.7  | 0.4   | 61.7   | 5.7                             | 0.4                                    | 0.1                        | 0.0        | 100.0        | 15,900                      |
| Second                                   | 31.9  | 1.0   | 48.1   | 18.9                            | 0.1                                    | 0.1                        | 0.0        | 100.0        | 15,905                      |
| Middle                                   | 27.7  | 1.5   | 51.0   | 19.7                            | 0.0                                    | 0.0                        | 0.0        | 100.0        | 15,901                      |
| Fourth                                   | 26.6  | 0.8   | 46.8   | 25.8                            | 0.1                                    | 0.0                        | 0.0        | 100.0        | 15,903                      |
| Richest                                  | 22.6  | 0.3   | 34.6   | 42.5                            | 0.0                                    | 0.0                        | 0.0        | 100.0        | 15,902                      |

<sup>1</sup> MICS indicator WS.11 - Removal of excreta for treatment off-site; SDG indicator 6.2.1

<sup>A</sup> Includes flush/pour flush facilities that respondents do not know to where they flush.

Table WS.3.5: Drinking water, sanitation and handwashing ladders

Percentage of household population by drinking water, sanitation and handwashing ladders, Thailand, 2022

|  | Percentage of household population using: |                 |             |               |              |                            |                 |             |                 |            |                          |                             |                  |             |                              |  |                             |               |  |
|--|---|-----------------|-------------|---------------|--------------|----------------------------|-----------------|-------------|-----------------|------------|--------------------------|-----------------------------|------------------|-------------|------------------------------|--|-----------------------------|---------------|--|
|  | Drinking water                            |                 |             |               |              | Sanitation                 |                 |             |                 |            | Handwashing <sup>A</sup> |                             |                  |             |                              | Basic drinking water, sanitation and hygiene service | Number of household members |               |  |
|  | Basic service <sup>1</sup>                | Limited service | Un improved | Surface water | Total        | Basic service <sup>2</sup> | Limited service | Un improved | Open defecation | Missing    | Total                    | Basic facility <sup>B</sup> | Limited facility | No facility | No permission to see / other |  |                             | Total         |  |
| <b>Total</b>                             | <b>99.6</b>                               | <b>0.1</b>      | <b>0.2</b>  | <b>0.1</b>    | <b>100.0</b> | <b>98.2</b>                | <b>1.6</b>      | <b>0.1</b>  | <b>0.0</b>      | <b>0.0</b> | <b>100.0</b>             | <b>79.8</b>                 | <b>4.4</b>       | <b>2.3</b>  | <b>13.5</b>                  | <b>100.0</b>   | <b>78.4</b>                 | <b>79,511</b> |  |
| <b>Area</b>                              |   |                 |             |               |              |                            |                 |             |                 |            |                          |                             |                  |             |                              |  |                             |               |  |
| Urban                                    | 99.8                                      | 0.0             | 0.1         | 0.2           | 100.0        | 97.9                       | 2.0             | 0.1         | 0.0             | 0.0        | 100.0                    | 71.0                        | 3.7              | 1.7         | 23.6                         | 100.0  | 69.6                        | 40,204        |  |
| Rural                                    | 99.5                                      | 0.1             | 0.3         | 0.1           | 100.0        | 98.6                       | 1.1             | 0.2         | 0.1             | 0.0        | 100.0                    | 88.8                        | 5.1              | 2.9         | 3.2                          | 100.0  | 87.4                        | 39,307        |  |
| <b>Region</b>                            |   |                 |             |               |              |                            |                 |             |                 |            |                          |                             |                  |             |                              |  |                             |               |  |
| Bangkok                                  | 99.9                                      | 0.1             | 0.0         | 0.0           | 100.0        | 95.6                       | 4.4             | 0.0         | 0.0             | 0.0        | 100.0                    | 38.4                        | 1.5              | 1.9         | 58.2                         | 100.0  | 36.5                        | 10,855        |  |
| Central                                  | 100.0                                     | 0.0             | 0.0         | 0.0           | 100.0        | 98.5                       | 1.3             | 0.2         | 0.1             | 0.0        | 100.0                    | 82.2                        | 2.6              | 1.7         | 13.6                         | 100.0  | 80.8                        | 24,408        |  |
| North                                    | 99.3                                      | 0.2             | 0.1         | 0.3           | 100.0        | 98.6                       | 1.2             | 0.1         | 0.1             | 0.0        | 100.0                    | 91.8                        | 3.9              | 2.7         | 1.6                          | 100.0  | 90.5                        | 12,504        |  |
| Northeast                                | 99.9                                      | 0.0             | 0.0         | 0.0           | 100.0        | 99.4                       | 0.5             | 0.0         | 0.0             | 0.0        | 100.0                    | 90.9                        | 4.9              | 1.7         | 2.6                          | 100.0  | 90.3                        | 20,982        |  |
| South                                    | 98.4                                      | 0.0             | 1.1         | 0.5           | 100.0        | 97.7                       | 1.9             | 0.3         | 0.0             | 0.0        | 100.0                    | 80.5                        | 11.1             | 4.6         | 3.8                          | 100.0  | 78.0                        | 10,763        |  |
| <b>Education of household head</b>       |   |                 |             |               |              |                            |                 |             |                 |            |                          |                             |                  |             |                              |  |                             |               |  |
| Pre-primary or none                      | 98.3                                      | 0.0             | 0.8         | 0.8           | 100.0        | 97.2                       | 2.4             | 0.3         | 0.1             | 0.0        | 100.0                    | 78.7                        | 7.5              | 4.7         | 9.1                          | 100.0  | 76.1                        | 3,702         |  |
| Primary                                  | 99.7                                      | 0.0             | 0.2         | 0.1           | 100.0        | 98.1                       | 1.7             | 0.2         | 0.0             | 0.0        | 100.0                    | 85.1                        | 5.1              | 2.6         | 7.2                          | 100.0  | 83.7                        | 41,775        |  |
| Lower secondary                          | 99.4                                      | 0.0             | 0.2         | 0.4           | 100.0        | 97.5                       | 2.1             | 0.2         | 0.2             | 0.0        | 100.0                    | 81.0                        | 3.7              | 2.1         | 13.2                         | 100.0  | 78.9                        | 9,357         |  |
| Upper secondary                          | 99.8                                      | 0.1             | 0.1         | 0.0           | 100.0        | 98.4                       | 1.6             | 0.0         | 0.0             | 0.0        | 100.0                    | 74.4                        | 3.9              | 2.1         | 19.6                         | 100.0  | 73.3                        | 10,638        |  |
| Higher                                   | 99.8                                      | 0.1             | 0.0         | 0.0           | 100.0        | 99.4                       | 0.6             | 0.0         | 0.0             | 0.0        | 100.0                    | 67.4                        | 2.3              | 0.9         | 29.4                         | 100.0  | 66.8                        | 13,755        |  |
| DK/Missing                               | 100.0                                     | 0.0             | 0.0         | 0.0           | 100.0        | 97.4                       | 2.6             | 0.0         | 0.0             | 0.0        | 100.0                    | 76.7                        | 4.4              | 0.7         | 18.2                         | 100.0  | 75.1                        | 283           |  |
| <b>Native language of household head</b> |   |                 |             |               |              |                            |                 |             |                 |            |                          |                             |                  |             |                              |  |                             |               |  |
| Thai                                     | 99.8                                      | 0.0             | 0.1         | 0.1           | 100.0        | 98.5                       | 1.3             | 0.1         | 0.0             | 0.0        | 100.0                    | 79.8                        | 4.0              | 2.1         | 14.0                         | 100.0  | 78.7                        | 74,513        |  |
| Non-Thai                                 | 96.8                                      | 0.6             | 1.9         | 0.6           | 100.0        | 93.9                       | 5.6             | 0.3         | 0.1             | 0.1        | 100.0                    | 79.3                        | 9.7              | 4.8         | 6.2                          | 100.0  | 74.6                        | 4,998         |  |
| <b>Wealth index quintile</b>             |   |                 |             |               |              |                            |                 |             |                 |            |                          |                             |                  |             |                              |  |                             |               |  |
| Poorest                                  | 98.8                                      | 0.1             | 0.4         | 0.6           | 100.0        | 94.8                       | 4.8             | 0.4         | 0.1             | 0.0        | 100.0                    | 81.3                        | 8.8              | 5.4         | 4.5                          | 100.0  | 77.3                        | 15,900        |  |
| Second                                   | 99.7                                      | 0.1             | 0.3         | 0.0           | 100.0        | 98.2                       | 1.7             | 0.1         | 0.1             | 0.0        | 100.0                    | 79.6                        | 5.1              | 3.2         | 12.2                         | 100.0  | 78.1                        | 15,905        |  |
| Middle                                   | 99.9                                      | 0.0             | 0.1         | 0.0           | 100.0        | 99.2                       | 0.7             | 0.0         | 0.0             | 0.0        | 100.0                    | 81.7                        | 3.9              | 1.5         | 12.9                         | 100.0  | 81.0                        | 15,901        |  |
| Fourth                                   | 99.9                                      | 0.1             | 0.0         | 0.0           | 100.0        | 99.4                       | 0.4             | 0.1         | 0.0             | 0.0        | 100.0                    | 83.1                        | 2.5              | 0.5         | 13.9                         | 100.0  | 82.7                        | 15,903        |  |
| Richest                                  | 99.9                                      | 0.0             | 0.0         | 0.0           | 100.0        | 99.6                       | 0.3             | 0.0         | 0.0             | 0.0        | 100.0                    | 73.3                        | 1.7              | 0.7         | 24.3                         | 100.0  | 72.8                        | 15,902        |  |

<sup>1</sup> MICS indicator WS.2 - Use of basic drinking water services; SDG Indicator 1.4.1<sup>2</sup> MICS indicator WS.9 - Use of basic sanitation services; SDG indicators 1.4.1 & 6.2.1<sup>A</sup> For the purposes of calculating the ladders, "No permission to see / other" is included in the denominator.<sup>B</sup> Differs from the MICS indicator WS.7 "Handwashing facility with water and soap" (SDG indicators 1.4.1 & 6.2.1) as it includes "No permission to see / other". See table WS.2.1 for MICS indicator WS.7

## CHAPTER 10 EQUITABLE CHANCE IN LIFE

### 10.1 SOCIAL TRANSFERS

Social protection is the set of public and private policies and programmes aimed at preventing, reducing and eliminating economic and social vulnerabilities to poverty and deprivation. Increasing volatility at the macro and household level, the persistence of inequalities and exclusion, threats posed to sustainable development by climate change and changing population trends have heightened the relevance and political momentum for social protection globally.<sup>1</sup>

Social transfers or external economic support can be defined as predictable direct transfers to individuals or households, both in-kind and cash (including cash for work and public work programmes) to protect and prevent individuals and households from being affected by shock and support the accumulation of human, productive and financial assets and includes various social protection schemes – examples in Thailand include state welfare card, old age allowance, child support grant, social security fund or any other types of ad-hoc support, excluding transfers or assistance from family members, relatives or neighbours.

Health insurance is one protection scheme and tables EQ.1.1W and EQ.1.1M present the percentage of women and men age 15-49 years who have a health insurance and among those with an insurance, the percentage insured by type of insurance. Tables EQ.1.2 and EQ.1.3 further elaborates the existence of health insurance for children under age five and 5-14 separately.

Table EQ.1.4 presents the percentage of households who are aware and have received external economic support, as reported by the respondent to the Household Questionnaire. The percentage of household members living in households that received social transfers or benefits in the last 3 months is further shown in Table EQ.1.5, by type of transfers and benefits. This table is an approximation to the SDG indicator 1.3.1 which is the proportion of population covered by social protection floors/systems.

It is well known that social and economic shocks affect the health conditions of individuals and undermine household resilience. These shocks affect the capacity of families to care for their children and place barriers to services that stand in the way of achieving goals and progress for children. In particular poor households are vulnerable to the impacts of these shocks through the increased burden of health costs; the illness and death of household members, leading to labour constraints in the household and the further impoverishment of children who have lost one or both parents, or their primary caregiver; and other vulnerable children, cause them to drop out of school and engage in harmful child labour and other risky behaviours. As an attempt to measure coverage of social protection programmes, a global indicator, ‘Proportion of the poorest households that received external economic support in the past three months’, was proposed to measure the extent to which economic support is reaching households severely affected by various shocks.<sup>2</sup> Table EQ.1.6 presents the percentage of households in the lowest two quintiles that received social transfers or benefits in the last 3 months, by type of transfers or benefits.

Finally, Table EQ.1.7 presents the percentage of children under age 18 living in households that received social transfers or benefits in the last 3 months, by type of transfers or benefits.

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<sup>1</sup> UNICEF. *Collecting Data to Measure Social Protection Programme Coverage: Pilot-Testing the Social Protection Module in Viet Nam*. A methodological report. New York: UNICEF, 2016.

<http://mics.unicef.org/files?job=W1siZiIsIjIwMTgvMDcvMTkvMjAvMzcvMzAvNzQ0L1ZpZXRUZW1fUmVwb3J0X1BpbG90X1Rlc3RpbmVmdU1BftW9kdWxIX0RIY2VtYmVvYXZlMTZfRklOQUwUJERGIl1d&sha=3df47c3a17992c8f>

<sup>2</sup> UNAIDS, UNICEF, and WHO. *Joint United Nations Programme on HIV/AIDS, Global AIDS Response Progress Reporting 2014: Construction of core indicators for monitoring the 2011 United Nations Political Declaration on HIV and AIDS*. Geneva: UNAIDS/WHO Press, 2014. [http://www.unaids.org/sites/default/files/media\\_asset/GARPR\\_2014\\_guidelines\\_en\\_0.pdf](http://www.unaids.org/sites/default/files/media_asset/GARPR_2014_guidelines_en_0.pdf).



| Table EQ.1.1W: Health insurance coverage (women)  |   |                 |  |                                   |                          |             |                    |                                   |  |            |   |
|---|---|-----------------|--|-----------------------------------|--------------------------|-------------|--------------------|-----------------------------------|--|------------|---|
| Percentage of women age 15-49 years covered by health insurance, and, among those covered, percentage covered by various health insurance plans, Thailand, 2022 |   |                 |  |                                   |                          |             |                    |                                   |  |            |   |
|   | Percentage covered by any health insurance <sup>1</sup> | Number of women | Among women covered by health insurance, percentage reporting they were insured by |                                   |                          |             |                    |                                   |  |            | Number of women covered by health insurance |
|   |   |                 | Health insurance through employer  | Social security/compensation fund | Private health insurance | UHC scheme  | Government officer | Local administrative organization | State enterprises/independent agencies | Other      |   |
| <b>Total</b>  | <b>97.5</b>   | <b>21,089</b>   | <b>0.0</b>   | <b>33.0</b>                       | <b>6.6</b>               | <b>59.3</b> | <b>5.6</b>         | <b>0.2</b>                        | <b>0.4</b>                             | <b>0.3</b> | <b>20,569</b>                               |
| <b>Area</b>   |   |                 |  |                                   |                          |             |                    |                                   |  |            |   |
| Urban   | 96.8  | 11,566          | 0.0  | 42.2                              | 7.9                      | 49.3        | 6.1                | 0.1                               | 0.4                                    | 0.4        | 11,191                                      |
| Rural   | 98.5  | 9,523           | 0.0  | 22.1                              | 4.9                      | 71.2        | 4.9                | 0.3                               | 0.4                                    | 0.2        | 9,378                                       |
| <b>Region</b>   |   |                 |  |                                   |                          |             |                    |                                   |  |            |   |
| Bangkok   | 95.3  | 3,464           | 0.0  | 56.4                              | 8.7                      | 37.2        | 3.5                | 0.0                               | 0.6                                    | 0.4        | 3,301                                       |
| Central   | 97.7  | 7,165           | 0.1  | 48.9                              | 10.0                     | 43.2        | 5.2                | 0.2                               | 0.7                                    | 0.5        | 7,000                                       |
| North   | 97.6  | 2,837           | 0.0  | 17.8                              | 6.3                      | 71.8        | 7.9                | 0.5                               | 0.3                                    | 0.3        | 2,768                                       |
| Northeast   | 98.0  | 4,778           | 0.0  | 12.6                              | 2.2                      | 80.3        | 6.4                | 0.2                               | 0.1                                    | 0.0        | 4,682                                       |
| South   | 99.0  | 2,846           | 0.0  | 15.1                              | 3.2                      | 77.8        | 5.3                | 0.1                               | 0.4                                    | 0.3        | 2,818                                       |
| <b>Age</b>  |   |                 |  |                                   |                          |             |                    |                                   |  |            |   |
| 15-19   | 98.4  | 2,442           | 0.0  | 2.4                               | 9.4                      | 94.1        | 2.6                | 0.1                               | 0.2                                    | 0.2        | 2,404                                       |
| 20-24   | 96.1  | 2,152           | 0.0  | 29.5                              | 5.9                      | 66.8        | 1.6                | 0.0                               | 0.0                                    | 0.5        | 2,069                                       |
| 25-29   | 97.0  | 3,073           | 0.0  | 50.2                              | 5.9                      | 42.0        | 5.2                | 0.2                               | 0.5                                    | 0.6        | 2,980                                       |
| 30-34   | 95.9  | 3,004           | 0.0  | 41.7                              | 7.8                      | 49.2        | 6.5                | 0.3                               | 0.5                                    | 0.5        | 2,880                                       |
| 35-39   | 97.6  | 3,146           | 0.2  | 42.3                              | 5.4                      | 49.5        | 6.2                | 0.2                               | 0.7                                    | 0.3        | 3,070                                       |
| 40-44   | 98.0  | 3,494           | 0.0  | 33.9                              | 4.8                      | 57.8        | 6.3                | 0.2                               | 0.6                                    | 0.1        | 3,425                                       |
| 45-49   | 99.0  | 3,778           | 0.0  | 25.8                              | 7.1                      | 63.7        | 7.9                | 0.1                               | 0.4                                    | 0.2        | 3,741                                       |
| <b>Education</b>  |   |                 |  |                                   |                          |             |                    |                                   |  |            |   |
| Pre-primary or none   | 71.0  | 435             | 0.0  | 16.9                              | 1.6                      | 74.7        | 0.0                | 0.0                               | 0.0                                    | 6.9        | 309   |
| Primary   | 94.9  | 3,238           | 0.0  | 14.8                              | 1.7                      | 81.7        | 1.8                | 0.1                               | 0.0                                    | 0.5        | 3,075                                       |
| Lower secondary   | 98.2  | 3,817           | 0.0  | 27.6                              | 2.7                      | 70.2        | 0.9                | 0.0                               | 0.0                                    | 0.2        | 3,749                                       |
| Upper secondary   | 98.8  | 5,457           | 0.0  | 25.4                              | 5.2                      | 72.0        | 1.9                | 0.0                               | 0.1                                    | 0.1        | 5,390                                       |
| Higher  | 98.9  | 8,012           | 0.1  | 47.7                              | 11.5                     | 37.0        | 12.0               | 0.4                               | 1.0                                    | 0.1        | 7,926                                       |
| DK/Missing  | 92.5  | 130             | 0.0  | 85.2                              | 0.0                      | 5.2         | 0.0                | 0.0                               | 0.0                                    | 9.6        | 120   |

Table EQ.1.1W: Health insurance coverage (women) (continued)

Percentage of women age 15-49 years covered by health insurance, and, among those covered, percentage covered by various health insurance plans, Thailand, 2022

|   | Percentage covered by any health insurance <sup>1</sup> | Number of women | Among women covered by health insurance, percentage reporting they were insured by |                                   |                          |            |                    |                                   |  |       | Number of women covered by health insurance |
|---|---|-----------------|--|-----------------------------------|--------------------------|------------|--------------------|-----------------------------------|--|-------|---|
|   |   |                 | Health insurance through employer  | Social security/compensation fund | Private health insurance | UHC scheme | Government officer | Local administrative organization | State enterprises/independent agencies | Other |   |
| <b>Marital status</b>   |   |                 |  |                                   |                          |            |                    |                                   |  |       |   |
| Ever married/in union   | 97.2  | 13,746          | 0.0  | 32.5                              | 5.0                      | 60.0       | 5.4                | 0.1                               | 0.4                                    | 0.4   | 13,364                                      |
| Never married/in union  | 98.1  | 7,343           | 0.0  | 34.0                              | 9.5                      | 57.9       | 5.8                | 0.2                               | 0.5                                    | 0.2   | 7,205                                       |
| <b>Native language of household head</b>                      |   |                 |  |                                   |                          |            |                    |                                   |  |       |   |
| Thai  | 98.2  | 19,592          | 0.0  | 33.9                              | 7.0                      | 58.3       | 5.8                | 0.2                               | 0.5                                    | 0.1   | 19,236                                      |
| Non-Thai  | 89.1  | 1,497           | 0.0  | 19.9                              | 0.7                      | 73.6       | 2.1                | 0.1                               | 0.0                                    | 3.5   | 1,333                                       |
| <b>Wealth index quintile</b>                                  |   |                 |  |                                   |                          |            |                    |                                   |  |       |   |
| Poorest   | 93.9  | 3,223           | 0.0  | 17.0                              | 1.3                      | 80.8       | 0.4                | 0.1                               | 0.0                                    | 1.1   | 3,026                                       |
| Second  | 96.6  | 4,185           | 0.0  | 31.7                              | 2.7                      | 65.6       | 1.1                | 0.1                               | 0.0                                    | 0.6   | 4,044                                       |
| Middle  | 98.1  | 4,358           | 0.0  | 32.8                              | 4.2                      | 61.5       | 4.0                | 0.3                               | 0.1                                    | 0.1   | 4,274                                       |
| Fourth  | 98.9  | 4,431           | 0.1  | 35.0                              | 7.8                      | 56.3       | 6.9                | 0.1                               | 0.5                                    | 0.1   | 4,381                                       |
| Richest   | 99.0  | 4,891           | 0.0  | 42.5                              | 14.1                     | 41.4       | 12.7               | 0.2                               | 1.2                                    | 0.0   | 4,844                                       |
| <sup>1</sup> MICS indicator EQ.2a - Health insurance coverage |   |                 |  |                                   |                          |            |                    |                                   |  |       |   |



Table EQ.1.1M: Health insurance coverage (men) (continued)

Percentage of men age 15-49 years covered by health insurance, and, among those covered, percentage covered by various health insurance plans, Thailand, 2022

|  | Percentage covered by any health insurance <sup>1</sup> | Number of men | Among men covered by health insurance, percentage reporting they were insured by |                                   |                          |            |                    |                                   |  |       | Number of men covered by health insurance |
|--|---|---------------|--|-----------------------------------|--------------------------|------------|--------------------|-----------------------------------|--|-------|---|
|  |   |               | Health insurance through employer  | Social security/compensation fund | Private health insurance | UHC scheme | Government officer | Local administrative organization | State enterprises/independent agencies | Other |   |
| <b>Marital status</b>                    |   |               |  |                                   |                          |            |                    |                                   |  |       |   |
| Ever married/in union                    | 97.6  | 5,154         | 1.7  | 33.3                              | 5.5                      | 59.9       | 5.2                | 0.0                               | 0.2                                    | 0.2   | 5,029                                     |
| Never married/in union                   | 98.1  | 4,298         | 1.2  | 26.9                              | 6.6                      | 68.2       | 2.6                | 0.0                               | 0.4                                    | 0.6   | 4,216                                     |
| <b>Native language of household head</b> |   |               |  |                                   |                          |            |                    |                                   |  |       |   |
| Thai                                     | 98.6  | 8,698         | 1.5  | 31.5                              | 6.4                      | 62.8       | 4.2                | 0.0                               | 0.3                                    | 0.0   | 8,577                                     |
| Non-Thai                                 | 88.6  | 754           | 1.2  | 16.8                              | 0.6                      | 75.2       | 1.4                | 0.1                               | 0.0                                    | 5.0   | 668                                       |
| <b>Wealth index quintile</b>             |   |               |  |                                   |                          |            |                    |                                   |  |       |   |
| Poorest                                  | 95.0  | 1,855         | 0.5  | 16.0                              | 0.9                      | 82.3       | 0.4                | 0.0                               | 0.0                                    | 0.5   | 1,762                                     |
| Second                                   | 96.8  | 1,996         | 1.1  | 29.7                              | 1.9                      | 66.1       | 1.6                | 0.0                               | 0.0                                    | 1.4   | 1,932                                     |
| Middle                                   | 98.9  | 1,925         | 1.4  | 28.7                              | 3.8                      | 67.5       | 2.9                | 0.0                               | 0.4                                    | 0.0   | 1,904                                     |
| Fourth                                   | 99.1  | 1,824         | 1.8  | 35.3                              | 6.4                      | 57.8       | 5.8                | 0.0                               | 0.2                                    | 0.0   | 1,807                                     |
| Richest                                  | 99.3  | 1,852         | 2.6  | 41.8                              | 17.1                     | 45.4       | 9.5                | 0.1                               | 0.7                                    | 0.0   | 1,840                                     |

<sup>1</sup> MICS indicator EQ.2a - Health insurance coverage

( ) Figures that are based on 25-49 unweighted cases.

(\*) Figures that are based on less than 25 unweighted cases.

| Table EQ.1.2: Health insurance coverage (children age 5-14 years)   |   |                                   |   |                          |             |                                 |  |   |            |   |
|---|---|-----------------------------------|---|--------------------------|-------------|---------------------------------|--|---|------------|---|
| Percentage of children age 5-14 years covered by health insurance, and, among those covered, percentage covered by various health insurance plans, Thailand, 2022 |   |                                   |   |                          |             |                                 |  |   |            |   |
|   | Percentage covered by any health insurance <sup>1</sup> | Number of children age 5-14 years | Among children age 5-14 years covered by health insurance, percentage reported they were insured by |                          |             |                                 |  |   |            | Number of children age 5-14 years covered by health insurance |
|   |   |                                   | Health insurance through employer <sup>8</sup>  | Private health insurance | UHC scheme  | Government officer <sup>8</sup> | Local administrative organization <sup>8</sup> | State enterprises/independent agencies <sup>8</sup> | Other      |   |
| <b>Total</b>  | <b>98.5</b>   | <b>13,559</b>                     | <b>0.1</b>  | <b>8.8</b>               | <b>94.5</b> | <b>3.7</b>                      | <b>0.3</b>                                     | <b>0.5</b>  | <b>0.7</b> | <b>13,354</b>   |
| <b>Area</b>   |   |                                   |   |                          |             |                                 |  |   |            |   |
| Urban   | 97.5  | 5,845                             | 0.0   | 10.4                     | 92.5        | 5.0                             | 0.0  | 1.0   | 1.2        | 5,701   |
| Rural   | 99.2  | 7,714                             | 0.1   | 7.6                      | 96.1        | 2.7                             | 0.5  | 0.1   | 0.4        | 7,653   |
| <b>Region</b>   |   |                                   |   |                          |             |                                 |  |   |            |   |
| Bangkok   | 95.8  | 1,231                             | 0.0   | 14.0                     | 91.3        | 3.6                             | 0.0  | 0.9   | 0.7        | 1,179   |
| Central   | 98.8  | 3,647                             | 0.0   | 17.0                     | 95.1        | 3.0                             | 0.0  | 0.2   | 0.3        | 3,603   |
| North   | 98.1  | 2,147                             | 0.0   | 10.8                     | 93.5        | 2.9                             | 1.2  | 1.8   | 3.7        | 2,106   |
| Northeast   | 98.8  | 4,279                             | 0.2   | 0.8                      | 95.2        | 4.4                             | 0.2  | 0.1   | 0.0        | 4,227   |
| South   | 99.4  | 2,254                             | 0.0   | 6.0                      | 95.1        | 4.1                             | 0.0  | 0.2   | 0.1        | 2,239   |
| <b>Age</b>  |   |                                   |   |                          |             |                                 |  |   |            |   |
| 5-9   | 98.4  | 6,544                             | 0.1   | 9.1                      | 93.9        | 4.0                             | 0.2  | 0.7   | 0.3        | 6,440   |
| 10-14   | 98.6  | 7,015                             | 0.0   | 8.4                      | 95.1        | 3.4                             | 0.4  | 0.3   | 1.1        | 6,914   |
| <b>School attendance</b>  |   |                                   |   |                          |             |                                 |  |   |            |   |
| Attending <sup>A</sup>  | 98.6  | 12,847                            | 0.1   | 9.1                      | 94.4        | 3.8                             | 0.3  | 0.5   | 0.7        | 12,673  |
| Not attending   | 95.7  | 712                               | 0.0   | 3.7                      | 97.0        | 2.0                             | 0.0  | 0.3   | 0.3        | 681   |
| <b>Mother's education</b>   |   |                                   |   |                          |             |                                 |  |   |            |   |
| Pre-primary or none   | 89.4  | 456                               | 0.0   | 9.5                      | 98.2        | 0.0                             | 0.0  | 0.0   | 0.7        | 408   |
| Primary   | 99.0  | 4,920                             | 0.0   | 6.0                      | 98.6        | 0.6                             | 0.0  | 0.1   | 0.3        | 4,871   |
| Lower secondary   | 98.6  | 2,678                             | 0.0   | 7.5                      | 97.7        | 0.9                             | 0.1  | 0.7   | 0.1        | 2,642   |
| Upper secondary   | 98.7  | 2,546                             | 0.0   | 9.7                      | 96.5        | 2.0                             | 0.2  | 0.4   | 0.7        | 2,512   |
| Higher  | 98.8  | 2,956                             | 0.2   | 13.7                     | 82.8        | 13.2                            | 1.0  | 1.1   | 2.1        | 2,921   |

| Table EQ.1.2: Health insurance coverage (children age 5-14 years) (continued)  |   |                                   |   |                          |            |                                 |  |   |       |   |
|--|---|-----------------------------------|---|--------------------------|------------|---------------------------------|--|---|-------|---|
| Percentage of children age 5-14 years covered by health insurance, and, among those covered, percentage covered by various health insurance plans, Thailand, 2022  |   |                                   |   |                          |            |                                 |  |   |       |   |
|  | Percentage covered by any health insurance <sup>1</sup> | Number of children age 5-14 years | Among children age 5-14 years covered by health insurance, percentage reported they were insured by |                          |            |                                 |  |   |       | Number of children age 5-14 years covered by health insurance |
|  |   |                                   | Health insurance through employer <sup>B</sup>  | Private health insurance | UHC scheme | Government officer <sup>B</sup> | Local administrative organization <sup>B</sup> | State enterprises/independent agencies <sup>B</sup> | Other |   |
| <b>Native language of household head</b>   |   |                                   |   |                          |            |                                 |  |   |       |   |
| Thai   | 99.0  | 12,375                            | 0.1   | 9.2                      | 94.4       | 3.8                             | 0.3  | 0.5   | 0.8   | 12,254  |
| Non-Thai   | 92.9  | 1,184                             | 0.0   | 4.1                      | 96.5       | 2.8                             | 0.0  | 0.0   | 0.2   | 1,100   |
| <b>Wealth index quintile</b>   |   |                                   |   |                          |            |                                 |  |   |       |   |
| Poorest  | 97.2  | 2,874                             | 0.0   | 4.9                      | 99.5       | 0.2                             | 0.0  | 0.0   | 0.2   | 2,794   |
| Second   | 98.8  | 2,960                             | 0.0   | 4.9                      | 98.4       | 0.6                             | 0.0  | 0.1   | 0.6   | 2,924   |
| Middle   | 98.8  | 2,759                             | 0.0   | 7.1                      | 96.9       | 2.4                             | 0.1  | 0.5   | 0.7   | 2,726   |
| Fourth   | 99.1  | 2,542                             | 0.0   | 9.6                      | 93.1       | 4.3                             | 0.5  | 0.7   | 0.4   | 2,520   |
| Richest  | 98.6  | 2,424                             | 0.4   | 19.1                     | 82.8       | 12.3                            | 1.0  | 1.3   | 1.9   | 2,389   |
| <sup>1</sup> MICS indicator EQ.2b - Health insurance coverage (children age 5-14)  |   |                                   |   |                          |            |                                 |  |   |       |   |
| <sup>A</sup> Includes attendance to early childhood education<br><sup>B</sup> Insurance covered under parents status is referred<br>Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases. |   |                                   |   |                          |            |                                 |  |   |       |   |

| Table EQ.1.3: Health insurance coverage (children under age 5)   |   |                                |  |                          |             |                                 |  |   |            |  |
|--|---|--------------------------------|--|--------------------------|-------------|---------------------------------|--|---|------------|--|
| Percentage of children under age 5 covered by health insurance, and, among those covered, percentage covered by various health insurance plans, Thailand, 2022 |   |                                |  |                          |             |                                 |  |   |            |  |
|  | Percentage covered by any health insurance <sup>1</sup> | Number of children under age 5 | Among children under age 5 covered by health insurance, percentage reported they were insured by |                          |             |                                 |  |   |            | Number of children under age 5 covered by health insurance |
|  |   |                                | Health insurance through employer <sup>A</sup>   | Private health insurance | UHC scheme  | Government officer <sup>A</sup> | Local administrative organization <sup>A</sup> | State enterprises/independent agencies <sup>A</sup> | Other      |  |
| <b>Total</b>   | <b>97.4</b>   | <b>10,502</b>                  | <b>0.3</b>   | <b>5.3</b>               | <b>93.3</b> | <b>4.8</b>                      | <b>0.1</b>                                     | <b>0.4</b>  | <b>0.3</b> | <b>10,231</b>  |
| <b>Area</b>  |   |                                |  |                          |             |                                 |  |   |            |  |
| Urban  | 96.6  | 4,273                          | 0.2  | 7.7                      | 90.1        | 6.1                             | 0.1  | 0.8   | 0.6        | 4,129  |
| Rural  | 98.0  | 6,229                          | 0.3  | 3.7                      | 95.4        | 4.0                             | 0.2  | 0.2   | 0.0        | 6,102  |
| <b>Region</b>  |   |                                |  |                          |             |                                 |  |   |            |  |
| Bangkok  | 95.0  | 830                            | 0.1  | 10.8                     | 88.2        | 2.9                             | 0.1  | 0.6   | 2.6        | 788  |
| Central  | 95.2  | 2,783                          | 0.2  | 8.1                      | 94.6        | 3.5                             | 0.0  | 0.7   | 0.0        | 2,651  |
| North  | 97.9  | 1,832                          | 0.1  | 7.8                      | 93.1        | 4.9                             | 0.1  | 0.3   | 0.3        | 1,794  |
| Northeast  | 98.8  | 3,259                          | 0.6  | 1.3                      | 93.8        | 5.7                             | 0.3  | 0.1   | 0.0        | 3,219  |
| South  | 99.0  | 1,797                          | 0.0  | 3.4                      | 92.6        | 6.1                             | 0.0  | 0.8   | 0.0        | 1,779  |
| <b>Age</b>   |   |                                |  |                          |             |                                 |  |   |            |  |
| 0-11 months  | 95.7  | 1,648                          | 0.0  | 3.7                      | 93.5        | 5.3                             | 0.0  | 0.2   | 0.0        | 1,578  |
| 12-23 months   | 97.1  | 1,994                          | 0.6  | 3.4                      | 94.3        | 4.3                             | 0.1  | 0.5   | 0.0        | 1,937  |
| 24-35 months   | 96.4  | 2,276                          | 0.3  | 6.2                      | 93.0        | 5.2                             | 0.1  | 0.1   | 0.0        | 2,196  |
| 36-47 months   | 98.4  | 2,283                          | 0.3  | 5.3                      | 92.9        | 4.5                             | 0.2  | 0.3   | 0.7        | 2,247  |
| 48-59 months   | 98.8  | 2,300                          | 0.2  | 7.2                      | 92.8        | 5.0                             | 0.1  | 0.9   | 0.5        | 2,274  |
| <b>Mother's education</b>  |   |                                |  |                          |             |                                 |  |   |            |  |
| Pre-primary or none  | 80.3  | 461                            | 0.0  | 7.3                      | 94.3        | 0.2                             | 0.0  | 0.0   | 1.6        | 370  |
| Primary  | 97.8  | 2,729                          | 0.2  | 2.2                      | 97.4        | 1.5                             | 0.1  | 0.1   | 0.7        | 2,668  |
| Lower secondary  | 97.5  | 2,039                          | 0.0  | 4.1                      | 97.8        | 1.8                             | 0.2  | 0.1   | 0.0        | 1,988  |
| Upper secondary  | 99.2  | 2,397                          | 0.6  | 3.3                      | 97.7        | 1.8                             | 0.2  | 0.0   | 0.0        | 2,377  |
| Higher   | 99.5  | 2,842                          | 0.2  | 10.5                     | 82.3        | 13.3                            | 0.1  | 1.4   | 0.0        | 2,826  |

Table EQ.1.3: Health insurance coverage (children under age 5) (continued)

Percentage of children under age 5 covered by health insurance, and, among those covered, percentage covered by various health insurance plans, Thailand, 2022

|   | Percentage covered by any health insurance <sup>1</sup> | Number of children under age 5 | Among children under age 5 covered by health insurance, percentage reported they were insured by |                          |            |                                 |  |   |       | Number of children under age 5 covered by health insurance |
|---|---|--------------------------------|--|--------------------------|------------|---------------------------------|--|---|-------|--|
|   |   |                                | Health insurance through employer <sup>A</sup>   | Private health insurance | UHC scheme | Government officer <sup>A</sup> | Local administrative organization <sup>A</sup> | State enterprises/independent agencies <sup>A</sup> | Other |  |
| <b>Native language of household head</b>  |   |                                |  |                          |            |                                 |  |   |       |  |
| Thai  | 98.6  | 9,331                          | 0.3  | 5.7                      | 93.0       | 5.2                             | 0.1  | 0.5   | 0.1   | 9,202  |
| Non-Thai  | 87.8  | 1,171                          | 0.0  | 1.8                      | 96.0       | 1.9                             | 0.1  | 0.1   | 1.5   | 1,029  |
| <b>Wealth index quintile</b>  |   |                                |  |                          |            |                                 |  |   |       |  |
| Poorest   | 93.8  | 2,362                          | 0.0  | 0.9                      | 99.4       | 0.3                             | 0.1  | 0.0   | 0.1   | 2,214  |
| Second  | 96.5  | 2,236                          | 0.6  | 2.6                      | 97.2       | 0.9                             | 0.2  | 0.0   | 0.9   | 2,157  |
| Middle  | 99.0  | 2,140                          | 0.2  | 2.1                      | 97.2       | 2.2                             | 0.1  | 0.2   | 0.1   | 2,118  |
| Fourth  | 99.1  | 2,036                          | 0.1  | 7.0                      | 92.1       | 6.6                             | 0.1  | 0.3   | 0.0   | 2,018  |
| Richest   | 99.7  | 1,729                          | 0.6  | 16.3                     | 77.1       | 16.9                            | 0.1  | 1.9   | 0.0   | 1,723  |
| <sup>1</sup> MICS indicator EQ.2c - Health insurance coverage (children under age 5)  |   |                                |  |                          |            |                                 |  |   |       |  |
| <sup>A</sup> Insurance covered under parents status is referred<br>Note: The category of 'DK/Missing' in the background characteristics of 'Mother's education' has been suppressed from the table due to small number of unweighted cases. |   |                                |  |                          |            |                                 |  |   |       |  |



**Table EQ.1.4: Awareness and ever use of external economic support**

Percentage of household questionnaire respondents who are aware of and report having received external economic support<sup>A</sup>, Thailand, 2022

|  | Percentage of household questionnaire respondents who: |   | Number of households |
|--|--|---|----------------------|
|  | are aware of economic assistance programmes            | are aware of and report household having ever received assistance/external economic support |                      |
| <b>Total</b>                             | <b>98.6</b>  | <b>86.3</b>   | <b>30,008</b>        |
| <b>Sex of household head</b>             |  |   |                      |
| Male                                     | 98.3   | 85.1  | 17,044               |
| Female                                   | 99.0   | 87.9  | 12,964               |
| <b>Area</b>                              |  |   |                      |
| Urban                                    | 98.1   | 84.4  | 16,455               |
| Rural                                    | 99.3   | 88.6  | 13,553               |
| <b>Region</b>                            |  |   |                      |
| Bangkok                                  | 98.2   | 84.1  | 4,793                |
| Central                                  | 98.3   | 83.2  | 9,418                |
| North                                    | 99.1   | 91.4  | 4,693                |
| Northeast                                | 99.9   | 89.9  | 7,269                |
| South                                    | 96.8   | 83.7  | 3,835                |
| <b>Age of household head</b>             |  |   |                      |
| 15-19                                    | 97.6   | 43.5  | 163                  |
| 20-24                                    | 93.1   | 62.0  | 818                  |
| 25-49                                    | 96.9   | 80.1  | 9,758                |
| 50+                                      | 99.7   | 90.9  | 19,269               |
| <b>Household with orphans</b>            |  |   |                      |
| With at least one orphan                 | 99.9   | 91.5  | 449                  |
| With no orphans                          | 98.6   | 86.2  | 29,559               |
| <b>Native language of household head</b> |  |   |                      |
| Thai                                     | 99.5   | 87.5  | 28,373               |
| Non-Thai                                 | 82.7   | 66.6  | 1,635                |
| <b>Wealth index quintile</b>             |  |   |                      |
| Poorest                                  | 96.2   | 86.0  | 6,575                |
| Second                                   | 98.2   | 84.4  | 6,624                |
| Middle                                   | 99.6   | 86.8  | 6,097                |
| Fourth                                   | 99.8   | 88.0  | 5,649                |
| Richest                                  | 99.7   | 86.7  | 5,063                |

<sup>A</sup> External economic support can be defined as predictable direct transfers to individuals or households, both in-kind and cash.

Table EQ.1.5: Coverage of social transfers and benefits: All household members

Percentage of household members living in households that received social transfers or benefits in the last 3 months, by type of transfers and benefits, Thailand, 2022

|  | Percentage of household members living in households receiving specific types of support in the last 3 months: |                   |                     |                        |                      |  |   |                                 | Number of household members |
|--|--|-------------------|---------------------|------------------------|----------------------|--|---|---------------------------------|-----------------------------|
|  | State welfare card   | Old age allowance | Child support grant | Any retirement pension | Social security fund | Any other external assistance program <sup>A</sup> | Any social transfers or benefits <sup>1</sup> | No social transfers or benefits |                             |
| <b>Total</b>                             | <b>40.8</b>  | <b>40.2</b>       | <b>13.1</b>         | <b>3.5</b>             | <b>7.6</b>           | <b>18.0</b>  | <b>71.2</b>                                   | <b>28.8</b>                     | <b>79,511</b>               |
| <b>Sex of household head</b>             |  |                   |                     |                        |                      |  |   |                                 |                             |
| Male                                     | 39.9   | 37.7              | 13.2                | 3.5                    | 7.5                  | 17.8   | 69.2  | 30.8                            | 46,932                      |
| Female                                   | 42.2   | 43.8              | 12.9                | 3.4                    | 7.7                  | 18.3   | 74.1  | 25.9                            | 32,579                      |
| <b>Area</b>                              |  |                   |                     |                        |                      |  |   |                                 |                             |
| Urban                                    | 29.7   | 36.6              | 9.1                 | 4.7                    | 8.2                  | 20.8   | 65.6  | 34.4                            | 40,204                      |
| Rural                                    | 52.3   | 44.0              | 17.2                | 2.2                    | 6.9                  | 15.1   | 76.9  | 23.1                            | 39,307                      |
| <b>Region</b>                            |  |                   |                     |                        |                      |  |   |                                 |                             |
| Bangkok                                  | 19.3   | 33.7              | 3.6                 | 4.6                    | 9.5                  | 24.1   | 62.1  | 37.9                            | 10,855                      |
| Central                                  | 27.6   | 36.5              | 11.5                | 4.4                    | 12.6                 | 17.4   | 65.9  | 34.1                            | 24,408                      |
| North                                    | 59.7   | 48.8              | 15.0                | 3.7                    | 6.4                  | 22.0   | 83.1  | 16.9                            | 12,504                      |
| Northeast                                | 55.7   | 43.9              | 16.2                | 2.0                    | 3.5                  | 11.7   | 74.5  | 25.5                            | 20,982                      |
| South                                    | 41.7   | 38.3              | 17.9                | 2.5                    | 3.7                  | 20.7   | 72.1  | 27.9                            | 10,763                      |
| <b>Education household head</b>          |  |                   |                     |                        |                      |  |   |                                 |                             |
| Pre-primary or none                      | 49.7   | 50.4              | 16.2                | 0.6                    | 3.0                  | 8.9  | 66.5  | 33.5                            | 3,702                       |
| Primary                                  | 53.8   | 53.7              | 13.9                | 0.8                    | 6.1                  | 15.5   | 79.0  | 21.0                            | 41,775                      |
| Lower secondary                          | 35.9   | 22.2              | 16.0                | 2.5                    | 9.6                  | 20.0   | 66.4  | 33.6                            | 9,357                       |
| Upper secondary                          | 30.7   | 24.1              | 12.9                | 3.6                    | 8.5                  | 20.3   | 63.0  | 37.0                            | 10,638                      |
| Higher                                   | 10.8   | 22.1              | 8.2                 | 13.0                   | 11.2                 | 25.1   | 59.2  | 40.8                            | 13,755                      |
| DK/Missing                               | 11.1   | 13.5              | 2.3                 | 2.2                    | 12.3                 | 8.5  | 33.7  | 66.3                            | 283                         |
| <b>Native language of household head</b> |  |                   |                     |                        |                      |  |   |                                 |                             |
| Thai                                     | 40.3   | 41.2              | 12.7                | 3.7                    | 7.9                  | 18.7   | 72.0  | 28.0                            | 74,513                      |
| Non-Thai                                 | 48.4   | 26.6              | 18.0                | 0.4                    | 3.0                  | 8.2  | 58.4  | 41.6                            | 4,998                       |
| <b>Wealth index quintile</b>             |  |                   |                     |                        |                      |  |   |                                 |                             |
| Poorest                                  | 60.3   | 43.5              | 14.8                | 0.2                    | 3.3                  | 7.8  | 73.7  | 26.3                            | 15,900                      |
| Second                                   | 50.2   | 38.0              | 13.4                | 0.5                    | 4.4                  | 15.4   | 70.3  | 29.7                            | 15,905                      |
| Middle                                   | 43.9   | 40.7              | 13.7                | 1.4                    | 7.9                  | 20.3   | 72.7  | 27.3                            | 15,901                      |
| Fourth                                   | 32.7   | 41.5              | 13.0                | 4.5                    | 10.4                 | 21.1   | 71.7  | 28.3                            | 15,903                      |
| Richest                                  | 17.1   | 37.6              | 10.4                | 10.7                   | 12.0                 | 25.4   | 67.5  | 32.5                            | 15,902                      |

<sup>1</sup> MICS indicator EQ.3 - Population covered by social transfers; SDG indicator 1.3.1<sup>A</sup> External economic support can be defined as predictable direct transfers to individuals or households, both in-kind and cash.

Table EQ.1.6: Coverage of social transfers and benefits: Households in the lowest two wealth quintiles

Percentage of households in the lowest two wealth quintiles that received social transfers or benefits in the last 3 months, by type of transfers or benefits, Thailand, 2022

|                              | Percentage of households receiving specific types of support in the last 3 months: |                   |                     |                        |                      |  |             | Any social transfers or benefits <sup>1</sup> | No social transfers or benefits | Number of households in the two lowest wealth quintiles |
|------------------------------|--|-------------------|---------------------|------------------------|----------------------|--|-------------|---|---------------------------------|---|
|                              | State welfare card   | Old age allowance | Child support grant | Any retirement pension | Social security fund | Any other external assistance program <sup>A</sup> |             |   |                                 |   |
| <b>Total</b>                 | <b>47.6</b>  | <b>38.4</b>       | <b>7.5</b>          | <b>0.3</b>             | <b>3.1</b>           | <b>11.0</b>  | <b>66.6</b> | <b>33.4</b>                                   | <b>13,199</b>                   |   |
| <b>Sex of household head</b> |  |                   |                     |                        |                      |  |             |   |                                 |   |
| Male                         | 46.3   | 34.9              | 7.6                 | 0.3                    | 2.6                  | 10.8   | 63.2        | 36.8  | 7,597                           |   |
| Female                       | 49.4   | 43.1              | 7.2                 | 0.3                    | 3.9                  | 11.4   | 71.2        | 28.8  | 5,602                           |   |
| <b>Area</b>                  |  |                   |                     |                        |                      |  |             |   |                                 |   |
| Urban                        | 34.0   | 29.7              | 4.8                 | 0.5                    | 3.5                  | 13.5   | 56.3        | 43.7  | 5,965                           |   |
| Rural                        | 58.8   | 45.5              | 9.7                 | 0.2                    | 2.9                  | 9.0  | 75.0        | 25.0  | 7,234                           |   |
| <b>Region</b>                |  |                   |                     |                        |                      |  |             |   |                                 |   |
| Bangkok                      | 17.8   | 18.6              | 1.2                 | 0.3                    | 3.9                  | 18.2   | 45.2        | 54.8  | 1,603                           |   |
| Central                      | 31.0   | 31.4              | 5.8                 | 0.7                    | 7.2                  | 11.1   | 55.6        | 44.4  | 3,371                           |   |
| North                        | 66.4   | 49.7              | 7.8                 | 0.1                    | 2.4                  | 13.1   | 81.1        | 18.9  | 2,229                           |   |
| Northeast                    | 62.4   | 45.8              | 9.7                 | 0.2                    | 0.9                  | 6.2  | 75.1        | 24.9  | 4,349                           |   |
| South                        | 46.3   | 36.8              | 10.5                | 0.2                    | 1.2                  | 13.8   | 67.5        | 32.5  | 1,648                           |   |
| <b>Age of household head</b> |  |                   |                     |                        |                      |  |             |   |                                 |   |
| 15-19                        | 6.6  | 3.5               | 4.8                 | 0.0                    | 0.1                  | 14.3   | 21.8        | 78.2  | 106                             |   |
| 20-24                        | 6.4  | 0.2               | 7.2                 | 0.0                    | 3.6                  | 13.1   | 23.5        | 76.5  | 475                             |   |
| 25-29                        | 15.2   | 0.5               | 8.6                 | 0.0                    | 6.4                  | 15.9   | 37.5        | 62.5  | 583                             |   |
| 30-34                        | 19.3   | 4.0               | 11.4                | 0.0                    | 3.8                  | 12.2   | 35.0        | 65.0  | 704                             |   |
| 35-39                        | 24.2   | 4.4               | 11.2                | 0.0                    | 4.9                  | 19.7   | 46.7        | 53.3  | 819                             |   |
| 40-44                        | 34.7   | 6.6               | 9.0                 | 0.1                    | 5.0                  | 16.4   | 53.9        | 46.1  | 824                             |   |
| 45-49                        | 44.1   | 6.1               | 11.0                | 0.0                    | 2.9                  | 12.5   | 57.6        | 42.4  | 1,095                           |   |
| 50-59                        | 52.6   | 9.5               | 7.8                 | 0.1                    | 2.7                  | 11.0   | 62.4        | 37.6  | 3,231                           |   |
| 60-69                        | 59.9   | 82.1              | 6.6                 | 1.0                    | 2.8                  | 8.7  | 86.6        | 13.4  | 2,765                           |   |
| 70+                          | 65.5   | 88.2              | 3.6                 | 0.5                    | 2.1                  | 6.6  | 89.2        | 10.8  | 2,598                           |   |

Table EQ.1.6: Coverage of social transfers and benefits: Households in the lowest two wealth quintiles (continued)

Percentage of households in the lowest two wealth quintiles that received social transfers or benefits in the last 3 months, by type of transfers or benefits, Thailand, 2022

|  | Percentage of households receiving specific types of support in the last 3 months: |                   |                     |                        |                      |  | Any social transfers or benefits <sup>1</sup> | No social transfers or benefits | Number of households in the two lowest wealth quintiles |
|--|--|-------------------|---------------------|------------------------|----------------------|--|---|---------------------------------|---|
|  | State welfare card   | Old age allowance | Child support grant | Any retirement pension | Social security fund | Any other external assistance program <sup>A</sup> |   |                                 |   |
| <b>Education of household head</b>       |  |                   |                     |                        |                      |  |   |                                 |   |
| Pre-primary or none                      | 46.5   | 45.5              | 7.5                 | 0.1                    | 1.6                  | 6.6  | 58.4  | 41.6                            | 938   |
| Primary                                  | 57.6   | 50.3              | 7.3                 | 0.1                    | 2.7                  | 9.1  | 76.0  | 24.0                            | 8,379   |
| Lower secondary                          | 33.2   | 12.2              | 10.0                | 0.1                    | 5.3                  | 14.4   | 53.8  | 46.2                            | 1,558   |
| Upper secondary                          | 30.0   | 12.7              | 8.0                 | 0.6                    | 3.1                  | 15.7   | 49.1  | 50.9                            | 1,388   |
| Higher                                   | 10.3   | 5.8               | 4.2                 | 2.5                    | 3.9                  | 22.4   | 39.1  | 60.9                            | 834   |
| DK/Missing                               | 4.0  | 3.4               | 0.6                 | 0.0                    | 15.2                 | 0.0  | 22.4  | 77.6                            | 101   |
| <b>Native language of household head</b> |  |                   |                     |                        |                      |  |   |                                 |   |
| Thai                                     | 48.6   | 40.1              | 7.3                 | 0.4                    | 3.2                  | 11.7   | 68.7  | 31.3                            | 11,919  |
| Non-Thai                                 | 38.5   | 21.8              | 8.8                 | 0.1                    | 2.6                  | 4.6  | 47.0  | 53.0                            | 1,279   |
| <b>Wealth index quintile</b>             |  |                   |                     |                        |                      |  |   |                                 |   |
| Poorest                                  | 54.8   | 43.7              | 7.8                 | 0.2                    | 2.3                  | 6.8  | 70.3  | 29.7                            | 6,575   |
| Second                                   | 40.5   | 33.1              | 7.2                 | 0.5                    | 4.0                  | 15.2   | 62.9  | 37.1                            | 6,624   |

<sup>1</sup> MICS indicator EQ.4 - External economic support to the poorest households<sup>A</sup> External economic support can be defined as predictable direct transfers to individuals or households, both in-kind and cash.

**Table EQ.1.7: Coverage of social transfers and benefits: Children in all households**

Percentage of children under age 18 living in households that received social transfers or benefits in the last 3 months, by type of transfers or benefits, Thailand, 2022

|                              | Percentage of children living in households receiving specific types of support in the last 3 months: |                   |                     |                        |                      |  |   |                                 |                                 |
|------------------------------|---|-------------------|---------------------|------------------------|----------------------|--|---|---------------------------------|---------------------------------|
|                              | State welfare card  | Old age allowance | Child support grant | Any retirement pension | Social security fund | Any other external assistance program <sup>A</sup> | Any social transfers or benefits <sup>1</sup> | No social transfers or benefits | Number of children under age 18 |
| <b>Total</b>                 | <b>47.5</b>   | <b>34.3</b>       | <b>26.6</b>         | <b>1.5</b>             | <b>8.7</b>           | <b>18.4</b>  | <b>74.2</b>                                   | <b>25.8</b>                     | <b>14,683</b>                   |
| <b>Sex of household head</b> |   |                   |                     |                        |                      |  |   |                                 |                                 |
| Male                         | 46.0  | 32.5              | 26.8                | 1.6                    | 9.2                  | 18.3   | 72.4  | 27.6                            | 8,355                           |
| Female                       | 49.5  | 36.8              | 26.3                | 1.4                    | 8.1                  | 18.6   | 76.6  | 23.4                            | 6,329                           |
| <b>Area</b>                  |   |                   |                     |                        |                      |  |   |                                 |                                 |
| Urban                        | 36.3  | 31.2              | 20.3                | 2.0                    | 10.4                 | 22.3   | 68.1  | 31.9                            | 6,386                           |
| Rural                        | 56.1  | 36.7              | 31.5                | 1.2                    | 7.4                  | 15.4   | 78.9  | 21.1                            | 8,298                           |
| <b>Region</b>                |   |                   |                     |                        |                      |  |   |                                 |                                 |
| Bangkok                      | 24.1  | 28.6              | 9.6                 | 1.6                    | 16.3                 | 26.0   | 63.8  | 36.2                            | 1,348                           |
| Central                      | 33.2  | 32.3              | 24.8                | 2.2                    | 15.8                 | 18.6   | 69.8  | 30.2                            | 3,973                           |
| North                        | 62.1  | 40.8              | 29.5                | 1.8                    | 7.8                  | 23.8   | 83.5  | 16.5                            | 2,361                           |
| Northeast                    | 59.6  | 37.8              | 28.5                | 1.2                    | 2.7                  | 10.9   | 76.0  | 24.0                            | 4,595                           |
| South                        | 46.7  | 27.9              | 32.5                | 0.9                    | 4.9                  | 22.9   | 74.7  | 25.3                            | 2,406                           |
| <b>Age of household head</b> |   |                   |                     |                        |                      |  |   |                                 |                                 |
| 15-19                        | 2.6   | 2.5               | 3.7                 | 0.0                    | 0.1                  | 2.6  | 6.8   | 93.2                            | 55                              |
| 20-24                        | 22.2  | 2.2               | 44.1                | 0.0                    | 12.1                 | 22.5   | 63.6  | 36.4                            | 122                             |
| 25-29                        | 38.6  | 4.0               | 41.3                | 0.0                    | 14.5                 | 15.5   | 71.4  | 28.6                            | 355                             |
| 30-34                        | 33.6  | 9.5               | 37.7                | 0.3                    | 13.7                 | 18.2   | 66.7  | 33.3                            | 860                             |
| 35-39                        | 34.8  | 10.7              | 31.5                | 0.4                    | 9.0                  | 20.3   | 67.0  | 33.0                            | 1,397                           |
| 40-44                        | 35.3  | 12.1              | 22.1                | 0.5                    | 8.5                  | 19.4   | 64.9  | 35.1                            | 1,810                           |
| 45-49                        | 39.7  | 15.5              | 22.0                | 0.8                    | 10.4                 | 20.6   | 64.5  | 35.5                            | 1,830                           |
| 50-59                        | 52.2  | 12.0              | 25.9                | 1.0                    | 6.5                  | 19.4   | 71.1  | 28.9                            | 3,656                           |
| 60-69                        | 56.6  | 81.5              | 28.5                | 3.7                    | 8.0                  | 17.0   | 88.4  | 11.6                            | 2,865                           |
| 70+                          | 65.5  | 87.6              | 21.5                | 2.9                    | 9.0                  | 14.7   | 90.2  | 9.8                             | 1,734                           |

Table EQ.1.7: Coverage of social transfers and benefits: Children in all households (continued)

Percentage of children under age 18 living in households that received social transfers or benefits in the last 3 months, by type of transfers or benefits, Thailand, 2022

|  | Percentage of children living in households receiving specific types of support in the last 3 months: |                   |                     |                        |                      |  |   |                                 | Number of children under age 18 |
|--|---|-------------------|---------------------|------------------------|----------------------|--|---|---------------------------------|---------------------------------|
|  | State welfare card  | Old age allowance | Child support grant | Any retirement pension | Social security fund | Any other external assistance program <sup>A</sup> | Any social transfers or benefits <sup>1</sup> | No social transfers or benefits |                                 |
| <b>Education of household head</b>       |   |                   |                     |                        |                      |  |   |                                 |                                 |
| Pre-primary or none                      | 53.1  | 44.2              | 27.0                | 0.2                    | 3.9                  | 9.0  | 65.9  | 34.1                            | 735                             |
| Primary                                  | 59.0  | 46.5              | 27.6                | 0.4                    | 6.6                  | 16.1   | 80.0  | 20.0                            | 7,667                           |
| Lower secondary                          | 44.7  | 18.1              | 30.6                | 0.8                    | 11.8                 | 20.3   | 73.1  | 26.9                            | 2,012                           |
| Upper secondary                          | 39.3  | 19.8              | 25.3                | 3.0                    | 9.5                  | 19.0   | 67.7  | 32.3                            | 2,154                           |
| Higher                                   | 14.7  | 17.2              | 20.1                | 5.3                    | 14.0                 | 27.8   | 63.4  | 36.6                            | 2,094                           |
| DK/Missing                               | (41.1)  | (9.7)             | (12.8)              | (0.0)                  | (25.2)               | (0.0)  | (72.9)  | (27.1)                          | 21                              |
| <b>Native language of household head</b> |   |                   |                     |                        |                      |  |   |                                 |                                 |
| Thai                                     | 46.6  | 35.2              | 26.2                | 1.7                    | 9.3                  | 19.2   | 74.9  | 25.1                            | 13,382                          |
| Non-Thai                                 | 56.4  | 25.8              | 30.1                | 0.4                    | 3.0                  | 9.9  | 67.1  | 32.9                            | 1,301                           |
| <b>Wealth index quintile</b>             |   |                   |                     |                        |                      |  |   |                                 |                                 |
| Poorest                                  | 66.1  | 33.6              | 31.4                | 0.2                    | 4.1                  | 9.6  | 77.0  | 23.0                            | 3,112                           |
| Second                                   | 57.5  | 33.9              | 26.5                | 0.1                    | 4.0                  | 15.1   | 75.2  | 24.8                            | 3,145                           |
| Middle                                   | 51.6  | 35.9              | 28.1                | 0.6                    | 10.2                 | 18.8   | 76.3  | 23.7                            | 2,931                           |
| Fourth                                   | 37.3  | 35.6              | 25.3                | 1.8                    | 11.5                 | 21.2   | 72.7  | 27.3                            | 2,815                           |
| Richest                                  | 20.4  | 32.8              | 20.8                | 5.6                    | 15.1                 | 29.1   | 69.0  | 31.0                            | 2,681                           |

<sup>1</sup> MICS indicator EQ.5 - Children in the households that received any type of social transfers<sup>A</sup> External economic support can be defined as predictable direct transfers to individuals or households, both in-kind and cash.

( ) Figures that are based on 25-49 unweighted cases.

## 10.2 DISCRIMINATION AND HARASSMENT

Discrimination can impede individuals from accessing opportunities and services in a fair and equal manner. These questions are designed to measure the experiences of discrimination and harassment of respondents in the 12 months before the survey. The questions include specific grounds of discrimination and harassment which can increase the respondents' recall of events. The current questions are based on a recommended set of questions available at the start of MICS6. The questions may change given that methodological development is currently underway to move the indicator from a Tier III SDG indicator classification to Tier II. Tables EQ.2.1W and EQ.2.1M show the percentage of women and men who felt discriminated against based on a number of grounds.

**Table EQ.2.1W: Discrimination and harassment (women)**

Percentage of women age 15-49 years who in the past 12 months have felt discriminated against or harassed and those who have not felt discriminated against or harassed, Thailand, 2022

|               | Percentage of women who in the last 12 months have felt discriminated against or harassed on the basis of: |            |                    |            |                    |            |             |               |              |                         | Percentage of women who have not felt discriminated against or harassed in the last 12 months | Number of women |
|---------------|--|------------|--------------------|------------|--------------------|------------|-------------|---------------|--------------|-------------------------|---|-----------------|
|               | Ethnic or immigration origin   | Gender     | Sexual orientation | Age        | Religion or belief | Disability | Poor status | Work position | Other reason | Any reason <sup>1</sup> |   |                 |
| <b>Total</b>  | <b>1.8</b>   | <b>0.9</b> | <b>1.4</b>         | <b>1.0</b> | <b>0.9</b>         | <b>1.1</b> | <b>4.4</b>  | <b>5.0</b>    | <b>0.7</b>   | <b>10.1</b>             | <b>89.9</b>   | <b>21,089</b>   |
| <b>Area</b>   |  |            |                    |            |                    |            |             |               |              |                         |   |                 |
| Urban         | 2.1  | 1.1        | 1.4                | 1.3        | 1.1                | 0.9        | 4.4         | 5.3           | 0.8          | 10.4                    | 89.6  | 11,566          |
| Rural         | 1.6  | 0.7        | 1.4                | 0.5        | 0.8                | 1.4        | 4.3         | 4.5           | 0.6          | 9.6                     | 90.4  | 9,523           |
| <b>Region</b> |  |            |                    |            |                    |            |             |               |              |                         |   |                 |
| Bangkok       | 1.8  | 2.2        | 1.1                | 2.3        | 1.8                | 0.7        | 4.5         | 6.2           | 0.8          | 12.0                    | 88.0  | 3,464           |
| Central       | 1.8  | 0.7        | 2.0                | 0.8        | 0.7                | 1.0        | 3.8         | 4.4           | 0.7          | 9.5                     | 90.5  | 7,165           |
| North         | 3.3  | 0.7        | 0.7                | 0.8        | 0.3                | 0.1        | 3.7         | 3.9           | 0.7          | 9.4                     | 90.6  | 2,837           |
| Northeast     | 0.6  | 0.4        | 0.7                | 0.3        | 0.6                | 1.7        | 4.7         | 4.4           | 0.2          | 8.7                     | 91.3  | 4,778           |
| South         | 2.3  | 1.0        | 2.3                | 0.9        | 1.6                | 2.0        | 5.8         | 6.9           | 1.4          | 11.9                    | 88.1  | 2,846           |
| <b>Age</b>    |  |            |                    |            |                    |            |             |               |              |                         |   |                 |
| 15-19         | 0.9  | 0.9        | 1.2                | 0.6        | 0.8                | 0.7        | 3.2         | 2.2           | 0.4          | 6.0                     | 94.0  | 2,442           |
| 15-17         | 1.1  | 0.9        | 1.5                | 0.7        | 0.9                | 0.9        | 3.3         | 2.2           | 0.3          | 6.0                     | 94.0  | 1,583           |
| 18-19         | 0.5  | 0.9        | 0.5                | 0.5        | 0.5                | 0.2        | 3.2         | 2.2           | 0.4          | 6.0                     | 94.0  | 860             |
| 20-24         | 2.2  | 1.2        | 1.8                | 1.4        | 1.1                | 1.3        | 3.1         | 4.3           | 1.0          | 11.0                    | 89.0  | 2,152           |
| 25-29         | 1.6  | 0.9        | 1.7                | 1.5        | 1.0                | 0.8        | 4.5         | 5.2           | 0.7          | 10.5                    | 89.5  | 3,073           |
| 30-34         | 3.3  | 1.3        | 1.0                | 0.8        | 1.1                | 0.8        | 3.9         | 4.2           | 0.3          | 10.1                    | 89.9  | 3,004           |
| 35-39         | 1.7  | 0.7        | 1.5                | 0.7        | 0.9                | 1.4        | 5.8         | 6.5           | 1.4          | 12.0                    | 88.0  | 3,146           |
| 40-44         | 2.3  | 1.0        | 1.6                | 1.1        | 0.9                | 1.5        | 4.5         | 5.9           | 0.6          | 10.6                    | 89.4  | 3,494           |
| 45-49         | 0.9  | 0.6        | 1.4                | 0.7        | 0.8                | 1.3        | 4.7         | 5.4           | 0.6          | 9.6                     | 90.4  | 3,778           |



**Table EQ.2.1W: Discrimination and harassment (women) (continued)**

Percentage of women age 15-49 years who in the past 12 months have felt discriminated against or harassed and those who have not felt discriminated against or harassed, Thailand, 2022

|  | Percentage of women who in the last 12 months have felt discriminated against or harassed on the basis of: |        |                    |     |                    |            |             |               |              |                         | Percentage of women who have not felt discriminated against or harassed in the last 12 months | Number of women |
|--|--|--------|--------------------|-----|--------------------|------------|-------------|---------------|--------------|-------------------------|---|-----------------|
|  | Ethnic or immigration origin   | Gender | Sexual orientation | Age | Religion or belief | Disability | Poor status | Work position | Other reason | Any reason <sup>1</sup> |   |                 |
| <b>Education</b>                         |  |        |                    |     |                    |            |             |               |              |                         |   |                 |
| Pre-primary or none                      | 14.4   | 1.5    | 0.5                | 1.7 | 0.5                | 2.7        | 16.2        | 12.1          | 1.8          | 25.9                    | 74.1  | 435             |
| Primary                                  | 2.9  | 0.9    | 1.0                | 0.9 | 1.0                | 1.8        | 7.7         | 8.6           | 1.2          | 14.5                    | 85.5  | 3,238           |
| Lower secondary                          | 1.9  | 0.9    | 2.1                | 1.1 | 0.7                | 1.1        | 6.1         | 5.5           | 0.8          | 12.5                    | 87.5  | 3,817           |
| Upper secondary                          | 1.0  | 0.6    | 1.5                | 0.6 | 1.0                | 1.0        | 3.8         | 4.1           | 0.6          | 8.3                     | 91.7  | 5,457           |
| Higher                                   | 0.8  | 1.1    | 1.3                | 1.1 | 1.0                | 0.9        | 2.0         | 3.5           | 0.5          | 7.1                     | 92.9  | 8,012           |
| DK/Missing                               | 27.0   | 0.0    | 1.3                | 0.0 | 0.0                | 0.0        | 2.2         | 1.6           | 0.0          | 28.9                    | 71.1  | 130             |
| <b>Native language of household head</b> |  |        |                    |     |                    |            |             |               |              |                         |   |                 |
| Thai                                     | 1.4  | 0.9    | 1.5                | 1.0 | 1.0                | 1.1        | 4.1         | 4.9           | 0.7          | 9.7                     | 90.3  | 19,592          |
| Non-Thai                                 | 6.9  | 0.6    | 0.8                | 0.5 | 0.7                | 1.1        | 8.5         | 6.4           | 0.4          | 14.3                    | 85.7  | 1,497           |
| <b>Wealth index quintile</b>             |  |        |                    |     |                    |            |             |               |              |                         |   |                 |
| Poorest                                  | 3.5  | 0.8    | 0.9                | 0.6 | 0.5                | 1.7        | 9.8         | 8.9           | 0.8          | 16.1                    | 83.9  | 3,223           |
| Second                                   | 2.7  | 0.8    | 0.9                | 1.0 | 0.7                | 1.6        | 4.7         | 5.8           | 0.9          | 10.5                    | 89.5  | 4,185           |
| Middle                                   | 1.2  | 0.8    | 2.2                | 1.0 | 0.9                | 0.7        | 3.6         | 3.8           | 0.7          | 8.8                     | 91.2  | 4,358           |
| Fourth                                   | 1.6  | 1.1    | 1.7                | 1.2 | 1.6                | 0.8        | 3.3         | 4.3           | 0.7          | 9.5                     | 90.5  | 4,431           |
| Richest                                  | 0.8  | 1.0    | 1.3                | 1.0 | 0.8                | 1.0        | 2.1         | 3.3           | 0.4          | 7.4                     | 92.6  | 4,891           |

<sup>1</sup> MICS indicator EQ.7 - Discrimination; SDG Indicators 10.3.1 & 16.b.1

**Table EQ.2.1M: Discrimination and harassment (men)**

Percentage of men age 15-49 years who in the past 12 months have felt discriminated against or harassed and those who have not felt discriminated against or harassed, Thailand, 2022

|               | Percentage of men who in the last 12 months have felt discriminated against or harassed on the basis of: |            |                    |            |                    |            |             |               |              |                         | Percentage of men who have not felt discriminated against or harassed in the last 12 months | Number of men |
|---------------|--|------------|--------------------|------------|--------------------|------------|-------------|---------------|--------------|-------------------------|---|---------------|
|               | Ethnic or immigration origin   | Gender     | Sexual orientation | Age        | Religion or belief | Disability | Poor status | Work position | Other reason | Any reason <sup>1</sup> |   |               |
| <b>Total</b>  | <b>2.3</b>   | <b>1.0</b> | <b>1.5</b>         | <b>1.2</b> | <b>1.4</b>         | <b>1.7</b> | <b>6.3</b>  | <b>6.1</b>    | <b>0.7</b>   | <b>11.9</b>             | <b>88.1</b>   | <b>9,452</b>  |
| <b>Area</b>   |  |            |                    |            |                    |            |             |               |              |                         |   |               |
| Urban         | 3.0  | 1.2        | 1.4                | 1.5        | 1.7                | 1.5        | 6.1         | 6.0           | 0.7          | 12.3                    | 87.7  | 5,185         |
| Rural         | 1.4  | 0.8        | 1.6                | 0.8        | 1.0                | 2.0        | 6.5         | 6.3           | 0.7          | 11.5                    | 88.5  | 4,267         |
| <b>Region</b> |  |            |                    |            |                    |            |             |               |              |                         |   |               |
| Bangkok       | 2.0  | 1.8        | 1.7                | 2.2        | 2.1                | 1.2        | 6.2         | 7.5           | 1.4          | 12.9                    | 87.1  | 1,546         |
| Central       | 2.3  | 1.2        | 1.1                | 1.2        | 1.1                | 1.2        | 4.6         | 5.9           | 0.2          | 11.0                    | 89.0  | 3,201         |
| North         | 4.1  | 0.5        | 0.7                | 0.3        | 2.0                | 1.5        | 7.5         | 3.3           | 0.5          | 13.8                    | 86.2  | 1,280         |
| Northeast     | 0.5  | 0.5        | 1.2                | 0.5        | 0.4                | 2.3        | 6.4         | 4.9           | 0.6          | 8.9                     | 91.1  | 2,084         |
| South         | 3.8  | 0.9        | 3.5                | 1.8        | 2.2                | 2.7        | 9.1         | 9.7           | 1.2          | 15.9                    | 84.1  | 1,340         |
| <b>Age</b>    |  |            |                    |            |                    |            |             |               |              |                         |   |               |
| 15-19         | 2.9  | 0.5        | 1.7                | 1.1        | 1.5                | 2.6        | 5.9         | 2.7           | 0.5          | 10.9                    | 89.1  | 1,213         |
| 15-17         | 3.9  | 0.7        | 2.1                | 1.7        | 1.5                | 2.8        | 6.8         | 2.1           | 0.2          | 12.5                    | 87.5  | 775           |
| 18-19         | 1.2  | 0.1        | 1.1                | 0.2        | 1.4                | 2.1        | 4.3         | 3.6           | 0.9          | 8.0                     | 92.0  | 438           |
| 20-24         | 3.7  | 1.5        | 1.1                | 1.2        | 1.7                | 2.0        | 6.5         | 7.4           | 1.3          | 13.6                    | 86.4  | 1,114         |
| 25-29         | 2.7  | 2.3        | 1.8                | 0.7        | 2.7                | 1.8        | 5.6         | 6.0           | 0.8          | 12.7                    | 87.3  | 1,307         |
| 30-34         | 3.0  | 1.2        | 2.1                | 1.0        | 1.4                | 1.8        | 8.0         | 10.3          | 0.2          | 13.5                    | 86.5  | 1,419         |
| 35-39         | 1.6  | 0.2        | 0.9                | 1.7        | 0.9                | 1.2        | 5.5         | 5.3           | 1.2          | 10.3                    | 89.7  | 1,355         |
| 40-44         | 1.1  | 0.9        | 1.0                | 1.4        | 0.9                | 1.2        | 5.5         | 5.3           | 0.7          | 10.9                    | 89.1  | 1,530         |
| 45-49         | 1.5  | 0.7        | 1.8                | 0.9        | 0.9                | 1.7        | 6.9         | 5.8           | 0.2          | 11.9                    | 88.1  | 1,515         |

Table EQ.2.1M: Discrimination and harassment (men) (continued)

Percentage of men age 15-49 years who in the past 12 months have felt discriminated against or harassed and those who have not felt discriminated against or harassed, Thailand, 2022

|  | Percentage of men who in the last 12 months have felt discriminated against or harassed on the basis of: |        |                    |       |                    |            |             |               |              |                         | Percentage of men who have not felt discriminated against or harassed in the last 12 months | Number of men |
|--|--|--------|--------------------|-------|--------------------|------------|-------------|---------------|--------------|-------------------------|---|---------------|
|  | Ethnic or immigration origin   | Gender | Sexual orientation | Age   | Religion or belief | Disability | Poor status | Work position | Other reason | Any reason <sup>1</sup> |   |               |
| <b>Education</b>                         |  |        |                    |       |                    |            |             |               |              |                         |   |               |
| Pre-primary or none                      | 15.8   | 0.8    | 2.0                | 1.0   | 1.3                | 1.0        | 14.8        | 9.8           | 1.0          | 21.2                    | 78.8  | 231           |
| Primary                                  | 3.4  | 0.6    | 1.8                | 0.9   | 1.7                | 1.7        | 9.6         | 8.3           | 0.3          | 14.7                    | 85.3  | 1,776         |
| Lower secondary                          | 2.0  | 0.8    | 1.1                | 1.2   | 1.2                | 2.6        | 7.4         | 6.9           | 1.1          | 13.1                    | 86.9  | 2,174         |
| Upper secondary                          | 1.8  | 1.3    | 2.0                | 1.4   | 1.2                | 1.6        | 5.8         | 5.8           | 0.6          | 12.1                    | 87.9  | 2,605         |
| Higher                                   | 1.0  | 1.2    | 1.1                | 1.1   | 1.6                | 1.2        | 3.0         | 4.1           | 0.7          | 8.0                     | 92.0  | 2,622         |
| DK/Missing                               | (5.6)  | (0.0)  | (0.0)              | (0.0) | (0.0)              | (0.0)      | (0.8)       | (6.4)         | (0.0)        | (11.2)                  | (88.8)  | 45            |
| <b>Native language of household head</b> |  |        |                    |       |                    |            |             |               |              |                         |   |               |
| Thai                                     | 1.7  | 1.1    | 1.4                | 1.2   | 1.3                | 1.6        | 5.8         | 5.8           | 0.7          | 11.4                    | 88.6  | 8,698         |
| Non-Thai                                 | 9.0  | 0.4    | 2.7                | 0.3   | 2.4                | 2.5        | 11.6        | 10.3          | 0.3          | 17.8                    | 82.2  | 754           |
| <b>Wealth index quintile</b>             |  |        |                    |       |                    |            |             |               |              |                         |   |               |
| Poorest                                  | 3.3  | 0.8    | 2.1                | 1.0   | 1.6                | 2.1        | 11.4        | 9.3           | 0.4          | 17.1                    | 82.9  | 1,855         |
| Second                                   | 3.5  | 1.0    | 1.0                | 0.9   | 1.5                | 2.0        | 8.1         | 6.8           | 0.5          | 12.5                    | 87.5  | 1,996         |
| Middle                                   | 1.9  | 1.2    | 0.9                | 1.2   | 1.1                | 1.2        | 5.2         | 6.4           | 0.9          | 12.3                    | 87.7  | 1,925         |
| Fourth                                   | 1.4  | 1.2    | 2.1                | 1.4   | 1.9                | 2.0        | 3.2         | 3.5           | 1.5          | 9.7                     | 90.3  | 1,824         |
| Richest                                  | 1.3  | 1.0    | 1.3                | 1.3   | 1.0                | 1.2        | 3.4         | 4.5           | 0.2          | 8.0                     | 92.0  | 1,852         |

<sup>1</sup> MICS indicator EQ.7 - Discrimination; SDG Indicators 10.3.1 & 16.b.1

( ) Figures that are based on 25-49 unweighted cases

## APPENDIX A SAMPLE DESIGN

The major features of the sample design are described in this appendix. Sample design features include defining the sampling frame, target sample size, sample allocation, listing in sample clusters, choice of domains, sampling stages, stratification, and the calculation of sample weights.

The primary objective of the sample design for the Thailand MICS 2022 was to produce statistically reliable estimates of most indicators, at the national level, for municipal and non-municipal areas (urban and rural areas), and for the five regions (Bangkok, Central, North, Northeast and South) of the country. Urban and rural areas in each of the provinces were defined as sampling strata. In designing the sample for the Thailand MICS 2022, it was useful to review the sample design and results of the MICS conducted in 2019, documented in the Final Report of that survey.

The Thailand MICS 2022 sample also included oversampling for 12 specific provinces. The first five provinces (Songkhla, Satun, Pattani, Yala and Narathiwat) were identified as survey domains due to the prolonged unrest situation in the predominantly Muslim population and the lack of access to and quality of social and healthcare services. The following seven provinces (Mae Hong Son, Tak, Nakhon Ratchasima, Srisaket, Kalasin, Nakhon Phanom and Ranong) were identified as survey domains since they were the poorest provinces with an equity focus in each region according to the national poverty rate in 2020. Data for these priority provinces will be treated separately analysed to produce an equity provinces' report.

A multi-stage, stratified cluster sampling approach was used for the selection of the survey sample. The sampling frame was based on the 2022 Household Basic Information Survey (HBIS). The primary sampling units (PSUs) selected at the first stage were the enumeration areas (EAs) defined for the census enumeration. A listing of households was conducted in each sample EA, and a sample of households was selected at the second stage.

### A.1 SAMPLE SIZE AND SAMPLE ALLOCATION

Since the overall sample size for the Thailand MICS 2022 partly depends on the geographic domains of analysis that are defined for the survey tables, the distribution of EAs and households in Thailand from the 2022 HBIS sampling frame was first examined by region, priority province, urban and rural strata, shown in Table SD.1.

| Table SD.1: Distribution of enumeration areas and households in sampling frame               |                     |                           |              |              |                                  |                |                |
|--|---------------------|---------------------------|--------------|--------------|----------------------------------|----------------|----------------|
| Distribution of EAs and households, by region, priority province, urban and rural, 2022 HBIS |                     |                           |              |              |                                  |                |                |
|  | Number of provinces | Number of EAs (2022 HBIS) |              |              | Number of Households (2022 HBIS) |                |                |
|  |                     | Total                     | Urban        | Rural        | Total                            | Urban          | Rural          |
| <b>Total</b>   | <b>77</b>           | <b>5,430</b>              | <b>3,078</b> | <b>2,352</b> | <b>826,250</b>                   | <b>434,887</b> | <b>391,363</b> |
| <b>Region/Priority province</b>  |                     |                           |              |              |                                  |                |                |
| Bangkok  | 1                   | 300                       | 300          | -            | 40,570                           | 40,570         | -              |
| Central  | 25                  | 1,688                     | 876          | 792          | 262,567                          | 124,724        | 137,843        |
| North  | 17                  | 1,164                     | 630          | 534          | 174,237                          | 86,883         | 87,354         |
| Mae Hong Son   |                     | 72                        | 36           | 36           | 10,776                           | 4,924          | 5,852          |
| Tak  |                     | 60                        | 36           | 24           | 10,212                           | 5,259          | 4,953          |
| Northeast  | 20                  | 1,404                     | 780          | 624          | 196,537                          | 107,338        | 89,199         |
| Nakhon Ratchasima  |                     | 84                        | 48           | 36           | 14,060                           | 8,420          | 5,640          |
| Si Sa Ket  |                     | 66                        | 36           | 30           | 8,600                            | 4,667          | 3,933          |
| Kalasin  |                     | 78                        | 42           | 36           | 10,264                           | 5,521          | 4,743          |
| Nakhon Phanom  |                     | 66                        | 36           | 30           | 9,087                            | 4,942          | 4,145          |

**Table SD.1: Distribution of enumeration areas and households in sampling frame (continued)**

| Distribution of EAs and households, by region, priority province, urban and rural, 2022 HBIS |                     |                           |       |       |                                  |        |        |
|--|---------------------|---------------------------|-------|-------|----------------------------------|--------|--------|
|  | Number of provinces | Number of EAs (2022 HBIS) |       |       | Number of Households (2022 HBIS) |        |        |
|  |                     | Total                     | Urban | Rural | Total                            | Urban  | Rural  |
| South  | 14                  | 894                       | 492   | 402   | 152,339                          | 75,372 | 76,967 |
| Ranong   |                     | 60                        | 36    | 24    | 10,116                           | 5,728  | 4,388  |
| Songkhla   |                     | 72                        | 42    | 30    | 13,121                           | 7,356  | 5,765  |
| Satun  |                     | 60                        | 30    | 30    | 9,724                            | 3,990  | 5,734  |
| Pattani  |                     | 66                        | 36    | 30    | 9,654                            | 5,223  | 4,431  |
| Yala   |                     | 66                        | 36    | 30    | 12,206                           | 5,978  | 6,228  |
| Narathiwat   |                     | 66                        | 36    | 30    | 11,697                           | 5,179  | 6,518  |

The overall sample size for the Thailand MICS 2022 was calculated as 34,540 households. For the calculation of the sample size, the key indicator used was the stunting prevalence among children age 0-4 years. Since the survey results are tabulated at the regional level, it was necessary to determine the minimum sample size for each domain. The following formula was used to estimate the required sample size for this indicator:

$$n = \frac{[4(r)(1-r)(deff)]}{[(RME \times r)^2 (pb)(AveSize)(RR)]}$$

where:

$n$  = the required sample size, expressed as number of households

$4$  = a factor to achieve the 95 percent level of confidence

$r$  = the predicted or anticipated value of the indicator, expressed in the form of a proportion

$deff$  = the design effect for the indicator, estimated from a previous survey or using a default value of 1.5

$RME$  = the relative margin of error of  $r$  to be tolerated at the 95 percent level of confidence; it is generally not more than 0.12 (12 percent) for national-level estimates

$pb$  = the proportion of the total population upon which the indicator,  $r$ , is based

$AveSize$  = the average household size (mean number of persons per household)

$RR$  = the predicted response rate

For the calculation,  $r$  (stunting prevalence) was assumed to be 13.86 percent for urban areas and 13.03 percent for rural areas based on the estimates from the MICS 2019. The value of  $deff$  (design effect) was taken as 4.0;  $pb$  (percentage of children age 0-4 years in the total population) was taken as 10.76 and 13.14 percent for urban and rural areas, respectively;  $AveSize$  (mean household size) was taken as 2.75 and 2.99 persons per household for urban and rural areas, respectively; and the response rate was assumed to be 95 percent. The resulting number of sample households from this exercise was rounded to 18,000 households for national-level estimates. With this sample size the RME would be around 19 percent.

The survey also provided estimates for 5 regions and 12 provinces (out of 77 provinces). The 12 provinces were allocated between 1,000 and 1,900 sample households. The overall sample size for the Thailand MICS 2022 became 34,540 households, and the number of households selected per cluster for the Thailand MICS 2022 was determined as 20 households, based on several considerations, including the design effect, the budget available, and the time that would be needed per team to complete one cluster. Table SD.2 shows the allocation of the clusters and households to the domains.

| <b>Table SD.2: Sample allocation</b>   |                 |            |            |                   |               |               |
|--|-----------------|------------|------------|-------------------|---------------|---------------|
| Allocation of sample clusters (EAs) and sample households by region, priority province, urban and rural, Thailand 2022 |                 |            |            |                   |               |               |
|  | Sample Clusters |            |            | Sample Households |               |               |
|  | Total           | Urban      | Rural      | Total             | Urban         | Rural         |
| <b>Total</b>   | <b>1,727</b>    | <b>977</b> | <b>750</b> | <b>34,540</b>     | <b>19,540</b> | <b>15,000</b> |
| <b>Region/Priority province</b>  |                 |            |            |                   |               |               |
| Bangkok  | 227             | 227        | -          | 4,540             | 4,540         | -             |
| Central  | 270             | 163        | 107        | 5,400             | 3,260         | 2,140         |
| North  | 285             | 123        | 162        | 5,700             | 2,460         | 3,240         |
| Mae Hong Son   | 50              | 28         | 22         | 1,000             | 560           | 440           |
| Tak  | 63              | 33         | 30         | 1,260             | 660           | 600           |
| Northeast  | 471             | 230        | 241        | 9,420             | 4,600         | 4,820         |
| Nakhon Ratchasima  | 95              | 49         | 46         | 1,900             | 980           | 920           |
| Si Sa Ket  | 67              | 35         | 32         | 1,340             | 700           | 640           |
| Kalasin  | 76              | 39         | 37         | 1,520             | 780           | 740           |
| Nakhon Phanom  | 70              | 37         | 33         | 1,400             | 740           | 660           |
| South  | 474             | 234        | 240        | 9,480             | 4,680         | 4,800         |
| Ranong   | 94              | 48         | 46         | 1,880             | 960           | 920           |
| Songkhla   | 95              | 48         | 47         | 1,900             | 960           | 940           |
| Satun  | 56              | 31         | 25         | 1,120             | 620           | 500           |
| Pattani  | 50              | 27         | 23         | 1,000             | 540           | 460           |
| Yala   | 50              | 28         | 22         | 1,000             | 560           | 440           |
| Narathiwat   | 50              | 27         | 23         | 1,000             | 540           | 460           |

## A.2 SELECTION OF ENUMERATION AREAS (CLUSTERS) AND LISTING ACTIVITIES

The sampling frame which was used for the selection of PSUs was from the 2022 HBIS which was conducted in October to December 2021. This survey is carried out annually, and provided an up-to-date listing of 5,430 PSUs per year, selected from all EAs of the 2010 Population and Housing Census. This master sampling frame is used as the sampling frame for several national surveys (e.g. Labour Force Survey and Socio-Economic Survey). The sample design for the HBIS is stratified, single-stage cluster sampling. The Enumeration Area (EA) is the primary sampling unit (PSU) and probability proportional to size (PPS) was applied for selecting the EAs in each stratum. The measure of size is the number of households in each EA from the 2010 Census.

The primary sampling units (PSUs) selected for Thailand MICS 2022 were sample EAs from the 2022 HBIS. Within each stratum, a specified number of enumeration areas (EAs) were selected systematically with probability proportional to size (PPS).

In the 12 priority provinces where provincial estimates were required the sample of EAs from the HBIS sample was not sufficient, so additional EAs were selected from the EAs sampling frame, which was derived from the 2010 Population and Housing Census. Before selecting the additional EAs, the selected EAs from the HBIS were excluded from the sampling frame and then the Probability Proportional to Size (PPS) systematic sampling was applied for the selection of additional EAs in each province by administrative area. This additional listing was conducted in January to March 2022.

## A.3 SELECTION OF HOUSEHOLDS

Lists of households were prepared by the listing teams of Provincial Statistical Offices and Field Administration Division (for Bangkok) in the field for each enumeration area. The households listed in each EA were then sequentially numbered separately for the households with and without children under 5 years, and a sample of households was selected separately from each group using random systematic selection procedures. A total of 20 households were selected in each enumeration area. The household selection software developed by NSO for systematic random selection of households was distributed to Provincial Statistical Offices for this purpose.

The survey also included a questionnaire for individual men that was to be administered in half of the sample of households. The household selection software automatically selected the corresponding subsample of households. All men age 15 to 49 years in the selected households were eligible for interview.

The households listed in each sample cluster were divided into two strata for the second stage selection: households with children under age 5 and households without children under age 5. A separate sample of households was selected from each group, using a higher sampling rate for households with children under 5. This sampling strategy increased the number of children under 5 in the sample to increase the precision of the indicators based on under-5 children.

Of the 20 households selected in each cluster, the target number of sample households with children under age 5 years was 12. Therefore, in sample clusters where more than 12 households with children under age 5 were listed, 12 of these households were selected using random systematic sampling; and 8 households without children under age 5 were selected from the other stratum. In sample clusters where 12 or less households with children under 5 were listed, all of these households were selected for the survey. In these clusters, the number of households without children under 5 to be selected was equal to 20 minus the number of households with children.

#### A.4 CALCULATION OF SAMPLE WEIGHTS

The Thailand MICS 2022 sample is not self-weighting. For this reason, sample weights were calculated and used in the subsequent analyses of the survey data.

The major component of the weight is the reciprocal of the sampling fraction employed in selecting the number of sample households in that particular sampling stratum ( $h$ ) and PSU ( $i$ ):

$$W_{hi} = \frac{1}{f_{hi}}$$

The term  $f_{hi}$ , the sampling probability for the  $i$ -th sample PSU in the  $h$ -th stratum, is the product of the probabilities of selection at every stage in each sampling stratum:

$$f_{hi} = p_{1hi} \times p_{2hi} \times p_{3hi},$$

where  $p_{shi}$  is the probability of selection of the sampling unit at stage  $s$  for the  $i$ -th sample PSU in the  $h$ -th sampling stratum. Based on the sample design, these probabilities were calculated as follows:

$$p_{1hi} = \frac{n_h \times M_{hi}}{M_h},$$

$n_h$  = number of sample PSUs selected in stratum  $h$

$M_{hi}$  = number of households in the sampling frame for the  $i$ -th sample PSU in stratum  $h$

$M_h$  = total number of households in the sampling frame for stratum  $h$

$p_{2hi}$  = proportion of the PSU listed in the  $i$ -th sample PSU in stratum  $h$ ; for Thailand MICS 2022,  $p_{2hi} = 1$  for all sample PSUs, since no PSU was segmented

$p_{3hi}$  = final stage probability of selecting households from the listing in the  $i$ -th sample PSU, separately for households with and without children under 5, as explained below.

The last stage probability of selection in each sample EA is different for households with and without children under 5. For this reason, separate weights were calculated for each group of households in the sample EA.

Based on the stratified two-stage sample design, the probability of selection for the sample households with children under 5 within a sample EA was calculated as follows:

$$f_{hi(wc)} = \frac{n_h \times M_{hi}}{M_h} \times p_{2hi} \times \frac{m_{hi(wc)}}{M'_{hi(wc)}},$$

where:

$f_{hi(wc)}$  = probability of selection for the sample households with children under 5 in the  $i$ -th sample PSU in stratum  $h$

$n_h, M_{hi}, M_h$  and  $p_{2hi}$  are identical to the earlier definition

$m_{hi(wc)}$  = number of sample households with children under 5 selected in the  $i$ -th sample PSU in stratum  $h$

$M'_{hi(wc)}$  = total number of households with children under 5 listed in the  $i$ -th sample PSU in stratum  $h$



The corresponding overall probability of selection for the households without children was calculated as follows:

$$f_{hi(woc)} = \frac{n_h \times M_{hi}}{M_h} \times p_{2hi} \times \frac{m_{hi(woc)}}{M'_{hi(woc)}},$$

where:

$f_{hi(woc)}$  = probability of selection for the sample households without children under 5 in the  $i$ -th sample PSU in stratum  $h$

$m_{hi(woc)}$  = number of sample households without children under 5 selected in the  $i$ -th sample PSU in stratum  $h$

$M'_{hi(woc)}$  = total number of households without children under 5 listed in the  $i$ -th sample PSU in stratum  $h$

Since the number of households in each enumeration area (PSU) from the sampling frame used for the first stage selection and the updated number of households with and without children under 5 in the EA from the listing are generally different, individual overall probabilities of selection for households with and without children under 5 years in each sample EA (cluster) were calculated.

A final component in the calculation of sample weights takes into account the level of non-response for the household and individual interviews. The adjustment for household non-response in each stratum is equal to:

$$\frac{1}{RR_h}$$

where  $RR_h$  is the response rate for the sample households in stratum  $h$ , defined as the proportion of the number of interviewed households in stratum  $h$  out of the number of selected households found to be occupied during the fieldwork in stratum  $h$ .

Similarly, adjustment for non-response at the individual level (women, men, and under-5 children) for each stratum is equal to:

$$\frac{1}{RR_{qh}}$$

where  $RR_{qh}$  is the response rate for the individual questionnaires in stratum  $h$ , defined as the proportion of eligible individuals (women, men, and under-5 children) in the sample households in stratum  $h$  who were successfully interviewed.

After the completion of fieldwork, response rates were calculated for each sampling stratum, separately for the groups of households with and without children under age 5. These were used to adjust the sample weights calculated for each cluster. Response rates for the Thailand MICS 2022 are shown in Table SR.1.1 in this report.

The non-response adjustment factors for the individual women and under-5 questionnaires were applied to the adjusted household weights. Numbers of eligible women and under-5 children were obtained from the list of household members in the Household Questionnaire for households where interviews were completed.

The weights for the questionnaire for individual men were calculated in a similar way. In this case the number of eligible men in the list of household members in all the MICS sample households in the stratum was used as the numerator of the non-response adjustment factor, while the number of completed questionnaires for men in the stratum was obtained from the 50 percent subsample of households. Therefore, this adjustment factor includes an implicit subsampling weighting factor of 2 in addition to the adjustment for the non-response to the individual questionnaire for men.

In the case of the questionnaire for children age 5-14 years, in each sample household, one child was randomly selected from all the children in this age group recorded in the list of household members. The household weight for the children age 5-14 years is first adjusted based on the response rate for this questionnaire at the stratum level. Once this adjusted household weight is normalised as described below, it is multiplied by the number of children age 5-14 years recorded in the list of household members. Therefore, the weights for the individual children age 5-14 years will vary by sample household. This weighting of the data for the children age 5-14 years old is implemented in the tabulation programs for the corresponding tables.

The Thailand MICS 2022 full (raw) weights for the households were calculated by multiplying the inverse of the probabilities of selection by the non-response adjustment factor for each enumeration area, separately for the groups of households with and without children. These weights were then standardised (or normalised), one purpose of which is to make the weighted sum of the interviewed sample units equal to the total sample size at the national level. Normalisation is achieved by dividing the full sample weights (adjusted for nonresponse) by the average of these weights across all households at the national level. This is performed by multiplying the sample weights by a constant factor equal to the unweighted number of households at the national level divided by the weighted total number of households (using the full sample weights adjusted for non-response). A similar standardisation procedure was followed in obtaining standardised weights for the individual women, men and under-5 questionnaires. Adjusted (normalised) household weights varied between 0.002326 and 21.312175 in the 1,727 sample enumeration areas (clusters).

Sample weights were appended to all data sets and analyses were performed by weighting the data for households, women, men, under-5s and 5-14-years old with these sample weights.



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## APPENDIX B ESTIMATES OF SAMPLING ERRORS

The sample of respondents selected in the Thailand MICS 2022 is only one of the samples that could have been selected from the same population, using the same design and size. Each of these samples would yield results that differ somewhat from the results based on the actual sample selected. Sampling errors are a measure of the variability between the estimates from all possible samples. The extent of variability is not known exactly but can be estimated statistically from the survey data.

The following sampling error measures are presented in this appendix for each of the selected indicators:

- *Standard error (se)*: Standard error is the square root of the variance of the estimate. For survey indicators that are means, proportions or ratios, the Taylor series linearization method is used for the estimation of standard errors. For more complex statistics, such as fertility rate, the Jackknife repeated replication method is used for standard error estimation.
- *Coefficient of variation (se/r)* is the ratio of the standard error to the value ( $r$ ) of the indicator and is a measure of the relative sampling error.
- *Design effect (deff)* is the ratio of the actual variance of an indicator, under the sampling method used in the survey, to the variance calculated under the assumption of simple random sampling based on the same sample size. The *square root of the design effect (deft)* is used to show the efficiency of the sample design in relation to the precision. A *deft* value of 1.0 indicates that the sample design of the survey is as efficient as a simple random sample for a particular indicator, while a *deft* value above 1.0 indicates an increase in the standard error due to the use of a more complex sample design.
- *Confidence limits* are calculated to show the interval which contains the true value of the indicator for the population, with a specified level of confidence. For MICS results 95% confidence intervals are used, which is the standard for this type of survey. The concept of the 95% confidence interval can be understood in this way: if many repeated samples of identical size and design were taken and the confidence interval computed for each sample, then 95% of these intervals would contain the true value of the indicator.

For the calculation of sampling errors from MICS data, programs developed in SPSS Version 24 Complex Samples module have been used.

The results are shown in the tables that follow. Sampling errors are calculated for SDG indicators for which SEs can be calculated, and several other MICS indicators. Definitions, numerators and denominators of each of these indicators are provided in Chapter III. Results are presented for the national level (Table SE.1), for urban and rural areas (Tables SE.2 and SE.3), and for all regions (Tables SE.4 to SE.8).

In addition to the sampling error measures described above, the tables also include weighted and unweighted counts of denominators for each indicator. Given the use of normalized weights, by comparing the weighted and unweighted counts it is possible to determine whether a particular domain has been under-sampled or over-sampled compared to the average sampling rate. If the weighted count is smaller than the unweighted count, this means that the domain had been over-sampled.

For the following indicators, however, the unweighted count represents the number of sample households, and the weighted counts reflect the total population living in these households.

- Access to electricity
- Primary reliance on clean fuels and technologies for cooking and lighting
- Use of basic drinking water services
- Handwashing facility with water and soap
- Use of improved sanitation facilities
- Use of basic sanitation services
- Removal of excreta for treatment off-site
- Population covered by social transfers

| Table SE.1: Sampling errors: Total sample  |                |               |           |                     |                                 |                      |                                     |                |                  |                        |                        |
|--|----------------|---------------|-----------|---------------------|---------------------------------|----------------------|-------------------------------------|----------------|------------------|------------------------|------------------------|
| Standard errors, coefficients of variation, design effects ( <i>deff</i> ), square root of design effects ( <i>deft</i> ), and confidence intervals for selected SDG and MICS indicators, Thailand, 2022 |                |               |           |                     |                                 |                      |                                     |                |                  |                        |                        |
|  | MICS Indicator | SDG Indicator | Value (r) | Standard error (se) | Coefficient of variation (se/r) | Design effect (deff) | Square root of design effect (deft) | Weighted count | Unweighted count | Confidence limits      |                        |
|  |                |               |           |                     |                                 |                      |                                     |                |                  | Lower bound<br>r - 2se | Upper bound<br>r + 2se |
| <b>Sample coverage and characteristics of the respondents</b>  |                |               |           |                     |                                 |                      |                                     |                |                  |                        |                        |
| Access to electricity  | SR.1           | 7.1.1         | 0.9994    | 0.0002              | 0.000                           | 2.867                | 1.693                               | 79,511         | 30,008           | 0.999                  | 1.000                  |
| Access to the internet at home   | SR.8           | -             | 0.8260    | 0.0056              | 0.007                           | 6.507                | 2.551                               | 30,008         | 30,008           | 0.815                  | 0.837                  |
| Ownership of mobile phone  | -              | -             | 0.9595    | 0.0020              | 0.002                           | 3.199                | 1.789                               | 30,008         | 30,008           | 0.955                  | 0.964                  |
| <b>Thrive - Reproductive and maternal health</b>   |                |               |           |                     |                                 |                      |                                     |                |                  |                        |                        |
| Total fertility rate (number of live births)   | -              | -             | 1.0117    | 0.0747              | 0.074                           | na                   | na                                  | na             | na               | 0.862                  | 1.161                  |
| Adolescent birth rate (per 1,000 adolescent women)   | TM.1           | 3.7.2         | 17.7840   | 3.1474              | 0.177                           | na                   | na                                  | na             | na               | 11.489                 | 24.079                 |
| Early childbearing   | TM.2           | -             | 0.0685    | 0.0072              | 0.105                           | 1.875                | 1.369                               | 2,152          | 2,307            | 0.054                  | 0.083                  |
| Contraceptive prevalence rate  | TM.3           | -             | 0.7297    | 0.0085              | 0.012                           | 5.177                | 2.275                               | 11,840         | 14,025           | 0.713                  | 0.747                  |
| Unmet need for family planning   | -              | -             | 0.0894    | 0.0052              | 0.058                           | 4.595                | 2.143                               | 11,840         | 14,025           | 0.079                  | 0.100                  |
| Need for family planning satisfied with modern contraception   | TM.4           | 3.7.1&3.8.1   | 0.8647    | 0.0069              | 0.008                           | 4.864                | 2.206                               | 9,698          | 11,889           | 0.851                  | 0.878                  |
| Antenatal care coverage (at least once by skilled health personnel)  | TM.5a          | -             | 0.9880    | 0.0042              | 0.004                           | 4.154                | 2.038                               | 1,207          | 2,835            | 0.980                  | 0.996                  |
| Antenatal care coverage (at least four times by any provider)  | TM.5b          | -             | 0.8828    | 0.0151              | 0.017                           | 6.254                | 2.501                               | 1,207          | 2,835            | 0.853                  | 0.913                  |
| Skilled attendant at delivery  | TM.9           | 3.1.2         | 0.9962    | 0.0011              | 0.001                           | 0.897                | 0.947                               | 1,207          | 2,835            | 0.994                  | 0.998                  |
| Comprehensive knowledge about HIV prevention among young people (Women)  | TM.29          | -             | 0.5203    | 0.0152              | 0.029                           | 4.234                | 2.058                               | 4,594          | 4,575            | 0.490                  | 0.551                  |
| Comprehensive knowledge about HIV prevention among young people (Men)  | TM.29          | -             | 0.5290    | 0.0169              | 0.032                           | 2.461                | 1.569                               | 2,327          | 2,154            | 0.495                  | 0.563                  |
| Discriminatory attitudes towards people living with HIV (Women)  | TM.31          | -             | 0.2842    | 0.0087              | 0.031                           | 7.421                | 2.724                               | 20,477         | 20,043           | 0.267                  | 0.302                  |
| Discriminatory attitudes towards people living with HIV (Men)  | TM.31          | -             | 0.2666    | 0.0112              | 0.042                           | 5.614                | 2.369                               | 9,037          | 8,803            | 0.244                  | 0.289                  |
| <b>Thrive - Child health, nutrition and development</b>  |                |               |           |                     |                                 |                      |                                     |                |                  |                        |                        |
| Diphtheria, tetanus and pertussis (DTP) immunization coverage  | TC.3           | 3.b.1&3.8.1   | 0.8869    | 0.0104              | 0.012                           | 2.111                | 1.453                               | 1,994          | 1,976            | 0.866                  | 0.908                  |
| Polio immunization coverage  | TC.S1          |               | 0.8933    | 0.0098              | 0.011                           | 2.010                | 1.418                               | 1,994          | 1,976            | 0.874                  | 0.913                  |
| Measles immunization coverage  | TC.10          | 3.b.1         | 0.9283    | 0.0080              | 0.009                           | 1.881                | 1.372                               | 1,994          | 1,976            | 0.912                  | 0.944                  |
| Primary reliance on clean fuels and technologies for cooking and lighting  | TC.18          | 7.1.2         | 0.8630    | 0.0051              | 0.006                           | 6.635                | 2.576                               | 79,511         | 30,008           | 0.853                  | 0.873                  |
| Early initiation of breastfeeding  | TC.31          | -             | 0.2943    | 0.0199              | 0.068                           | 5.425                | 2.329                               | 1,207          | 2,835            | 0.254                  | 0.334                  |
| Exclusive breastfeeding under 6 months   | TC.32          | -             | 0.2858    | 0.0330              | 0.116                           | 2.311                | 1.520                               | 620            | 434              | 0.220                  | 0.352                  |
| Predominant breastfeeding under 6 months   | TC.33          | -             | 0.4526    | 0.0263              | 0.058                           | 1.205                | 1.098                               | 620            | 434              | 0.400                  | 0.505                  |
| Age-appropriate breastfeeding  | TC.37          | -             | 0.2819    | 0.0189              | 0.067                           | 5.796                | 2.407                               | 3,643          | 3,290            | 0.244                  | 0.320                  |
| Underweight prevalence (moderate and severe)   | TC.44a         | -             | 0.0669    | 0.0044              | 0.067                           | 3.167                | 1.780                               | 9,907          | 9,984            | 0.058                  | 0.076                  |
| Stunting prevalence (moderate and severe)  | TC.45a         | 2.2.1         | 0.1246    | 0.0068              | 0.054                           | 4.083                | 2.021                               | 9,735          | 9,772            | 0.111                  | 0.138                  |
| Wasting prevalence (moderate and severe)   | TC.46a         | 2.2.2         | 0.0719    | 0.0051              | 0.072                           | 3.813                | 1.953                               | 9,504          | 9,616            | 0.062                  | 0.082                  |
| Overweight prevalence (moderate and severe)  | TC.47a         | 2.2.2         | 0.1089    | 0.0069              | 0.064                           | 4.764                | 2.183                               | 9,504          | 9,616            | 0.095                  | 0.123                  |
| Early stimulation and responsive care by any adult household member  | TC.49a         | -             | 0.8788    | 0.0111              | 0.013                           | 8.399                | 2.898                               | 6,859          | 7,212            | 0.857                  | 0.901                  |

| Table SE.1: Sampling errors: Total sample (continued)  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
|--|----------------|-----------------------|--------------------|------------------------------|--|-------------------------------|--|----------------|------------------|---------------------------------------|---------------------------------------|
| Standard errors, coefficients of variation, design effects ( <i>deff</i> ), square root of design effects ( <i>deft</i> ), and confidence intervals for selected SDG and MICS indicators, Thailand, 2022 |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
|  | MICS Indicator | SDG Indicator         | Value ( <i>r</i> ) | Standard error ( <i>se</i> ) | Coefficient of variation ( <i>se/r</i> ) | Design effect ( <i>deff</i> ) | Square root of design effect ( <i>deft</i> ) | Weighted count | Unweighted count | Confidence limits                     |                                       |
|  |                |                       |                    |                              |  |                               |  |                |                  | Lower bound<br><i>r</i> - 2 <i>se</i> | Upper bound<br><i>r</i> + 2 <i>se</i> |
| Early stimulation and responsive care by father  | TC.49b         | -                     | 0.3073             | 0.0118                       | 0.038                                    | 4.719                         | 2.172  | 6,859          | 7,212            | 0.284                                 | 0.331                                 |
| Early stimulation and responsive care by mother  | TC.49c         | -                     | 0.6386             | 0.0137                       | 0.022                                    | 5.904                         | 2.430  | 6,859          | 7,212            | 0.611                                 | 0.666                                 |
| Availability of children's books   | TC.50          | -                     | 0.3588             | 0.0120                       | 0.033                                    | 6.532                         | 2.556  | 10,502         | 10,502           | 0.335                                 | 0.383                                 |
| Availability of playthings   | TC.51          | -                     | 0.8463             | 0.0086                       | 0.010                                    | 5.940                         | 2.437  | 10,502         | 10,502           | 0.829                                 | 0.863                                 |
| Availability of electronic device as playthings  | TC.S3          | -                     | 0.6186             | 0.0105                       | 0.017                                    | 4.877                         | 2.208  | 10,502         | 10,502           | 0.598                                 | 0.640                                 |
| Early child development index (ECDI2030)   | TC.53          | 4.2.1                 | 0.7782             | 0.0109                       | 0.014                                    | 4.932                         | 2.221  | 6,859          | 7,212            | 0.756                                 | 0.800                                 |
| <b>Learn</b>   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Participation rate in organised learning (adjusted)  | LN.2           | 4.2.2                 | 0.8759             | 0.0145                       | 0.017                                    | 3.836                         | 1.958  | 745            | 1,988            | 0.847                                 | 0.905                                 |
| Completion rate (Primary)  | LN.8a          |                       | 0.9862             | 0.0022                       | 0.002                                    | 1.179                         | 1.086  | 2,742          | 3,177            | 0.982                                 | 0.991                                 |
| Completion rate (Lower secondary)  | LN.8b          |                       | 0.8874             | 0.0088                       | 0.010                                    | 2.046                         | 1.430  | 2,310          | 2,636            | 0.870                                 | 0.905                                 |
| Completion rate (Upper secondary)  | LN.8c          |                       | 0.6958             | 0.0165                       | 0.024                                    | 3.288                         | 1.813  | 2,142          | 2,551            | 0.663                                 | 0.729                                 |
| Children with foundational reading and number skills (reading, attending grade 2/3)  | LN.22c         | 4.1.1                 | 0.5151             | 0.0206                       | 0.040                                    | 3.295                         | 1.815  | 2,755          | 1,932            | 0.474                                 | 0.556                                 |
| Children with foundational reading and number skills (numeracy, attending grade 2/3)   | LN.22f         | 4.1.1                 | 0.4176             | 0.0179                       | 0.043                                    | 2.542                         | 1.594  | 2,755          | 1,932            | 0.382                                 | 0.453                                 |
| <b>Protected from violence and exploitation</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Birth registration   | PR.1           | 16.9.1                | 0.9982             | 0.0008                       | 0.001                                    | 3.298                         | 1.816  | 10,502         | 10,502           | 0.997                                 | 1.000                                 |
| Violent discipline   | PR.2           | 16.2.1                | 0.5375             | 0.0100                       | 0.019                                    | 7.969                         | 2.823  | 22,416         | 19,646           | 0.517                                 | 0.558                                 |
| Child marriage (before age 15, women age 20-24)  | PR.4a          | 5.3.1                 | 0.0550             | 0.0081                       | 0.147                                    | 2.905                         | 1.704  | 2,152          | 2,307            | 0.039                                 | 0.071                                 |
| Child marriage (before age 18, women age 20-24)  | PR.4b          | 5.3.1                 | 0.1699             | 0.0115                       | 0.068                                    | 2.154                         | 1.468  | 2,152          | 2,307            | 0.147                                 | 0.193                                 |
| Safety (women)   | PR.14          | 16.1.4                | 0.7673             | 0.0093                       | 0.012                                    | 10.299                        | 3.209  | 21,089         | 21,089           | 0.749                                 | 0.786                                 |
| Safety (men)   | PR.14          | 16.1.4                | 0.9098             | 0.0067                       | 0.007                                    | 5.188                         | 2.278  | 9,452          | 9,452            | 0.896                                 | 0.923                                 |
| <b>Live in a safe and clean environment</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Use of basic drinking water services   | WS.2           | 1.4.1                 | 0.9965             | 0.0007                       | 0.001                                    | 4.167                         | 2.041  | 79,511         | 30,008           | 0.995                                 | 0.998                                 |
| Handwashing facility with water and soap   | WS.7           | 1.4.1&6.2.1           | 0.9230             | 0.0036                       | 0.004                                    | 4.825                         | 2.196  | 68,739         | 26,458           | 0.916                                 | 0.930                                 |
| Use of improved sanitation facilities  | WS.8           |                       | 0.9983             | 0.0005                       | 0.000                                    | 4.321                         | 2.079  | 79,511         | 30,008           | 0.997                                 | 0.999                                 |
| Use of basic sanitation services   | WS.9           | 1.4.1 & 3.8.1 & 6.2.1 | 0.9825             | 0.0016                       | 0.002                                    | 4.455                         | 2.111  | 79,511         | 30,008           | 0.979                                 | 0.986                                 |
| Removal of excreta for treatment off-site  | WS.11          | 6.2.1                 | 0.4843             | 0.0082                       | 0.017                                    | 8.151                         | 2.855  | 79,511         | 30,008           | 0.468                                 | 0.501                                 |
| <b>Equitable chance in life</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Population covered by social transfers   | EQ.3           | 1.3.1                 | 0.7119             | 0.0073                       | 0.010                                    | 7.813                         | 2.795  | 79,511         | 30,008           | 0.697                                 | 0.726                                 |
| Discrimination (women)   | EQ.7           | 10.3.1&16.b.1         | 0.1006             | 0.0058                       | 0.058                                    | 7.896                         | 2.810  | 21,089         | 21,089           | 0.089                                 | 0.112                                 |
| Discrimination (men)   | EQ.7           | 10.3.1&16.b.1         | 0.1194             | 0.0074                       | 0.062                                    | 4.962                         | 2.228  | 9,452          | 9,452            | 0.105                                 | 0.134                                 |
| na: not applicable   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |

| Table SE.2: Sampling errors: Urban   |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|--|---|---------------|--------------------|------------------------------|--|-------------------------------|--|----------------|------------------|---------------------------------------|---------------------------------------|--------|
| Standard errors, coefficients of variation, design effects ( <i>deff</i> ), square root of design effects ( <i>deft</i> ), and confidence intervals for selected SDG and MICS indicators, Thailand, 2022 |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|  | MICS Indicator  | SDG Indicator | Value ( <i>r</i> ) | Standard error ( <i>se</i> ) | Coefficient of variation ( <i>se/r</i> ) | Design effect ( <i>deff</i> ) | Square root of design effect ( <i>deft</i> ) | Weighted count | Unweighted count | Confidence limits                     |                                       |        |
|  |   |               |                    |                              |  |                               |  |                |                  | Lower bound<br><i>r</i> - 2 <i>se</i> | Upper bound<br><i>r</i> + 2 <i>se</i> |        |
| <b>Sample coverage and characteristics of the respondents</b>  |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|  | Access to electricity   | SR.1          | 7.1.1              | 0.9996                       | 0.0002                                   | 0.000                         | 2.349  | 1.533          | 40,204           | 16,257                                | 0.999                                 | 1.000  |
|  | Access to the internet at home  | SR.8          | -                  | 0.8653                       | 0.0069                                   | 0.008                         | 6.584  | 2.566          | 16,455           | 16,257                                | 0.852                                 | 0.879  |
|  | Ownership of mobile phone   | -             | -                  | 0.9715                       | 0.0024                                   | 0.002                         | 3.303  | 1.818          | 16,455           | 16,257                                | 0.967                                 | 0.976  |
| <b>Thrive - Reproductive and maternal health</b>   |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|  | Total fertility rate (number of live births)                              | -             | -                  | 0.8779                       | 0.1086                                   | 0.124                         | na   | na             | na               | na                                    | 0.661                                 | 1.095  |
|  | Adolescent birth rate (per 1,000 adolescent women)                        | TM.1          | 3.7.2              | 19.0769                      | 5.1847                                   | 0.272                         | na   | na             | na               | na                                    | 8.707                                 | 29.446 |
|  | Early childbearing  | TM.2          | -                  | 0.0452                       | 0.0085                                   | 0.187                         | 2.021  | 1.422          | 1,249            | 1,216                                 | 0.028                                 | 0.062  |
|  | Contraceptive prevalence rate   | TM.3          | -                  | 0.7403                       | 0.0111                                   | 0.015                         | 4.395  | 2.096          | 6,049            | 6,920                                 | 0.718                                 | 0.762  |
|  | Unmet need for family planning  | -             | -                  | 0.0852                       | 0.0066                                   | 0.078                         | 3.884  | 1.971          | 6,049            | 6,920                                 | 0.072                                 | 0.098  |
|  | Need for family planning satisfied with modern contraception              | TM.4          | 3.7.1&3.8.1        | 0.8649                       | 0.0094                                   | 0.011                         | 4.382  | 2.093          | 4,994            | 5,848                                 | 0.846                                 | 0.884  |
|  | Antenatal care coverage (at least once by skilled health personnel)       | TM.5a         | -                  | 0.9822                       | 0.0086                                   | 0.009                         | 5.587  | 2.364          | 559              | 1,319                                 | 0.965                                 | 0.999  |
|  | Antenatal care coverage (at least four times by any provider)             | TM.5b         | -                  | 0.8556                       | 0.0272                                   | 0.032                         | 7.875  | 2.806          | 559              | 1,319                                 | 0.801                                 | 0.910  |
|  | Skilled attendant at delivery   | TM.9          | 3.1.2              | 0.9953                       | 0.0018                                   | 0.002                         | 0.912  | 0.955          | 559              | 1,319                                 | 0.992                                 | 0.999  |
|  | Comprehensive knowledge about HIV prevention among young people (Women)   | TM.29         | -                  | 0.5066                       | 0.0194                                   | 0.038                         | 3.525  | 1.878          | 2,410            | 2,353                                 | 0.468                                 | 0.545  |
|  | Comprehensive knowledge about HIV prevention among young people (Men)     | TM.29         | -                  | 0.5342                       | 0.0230                                   | 0.043                         | 2.325  | 1.525          | 1,183            | 1,096                                 | 0.488                                 | 0.580  |
|  | Discriminatory attitudes towards people living with HIV (Women)           | TM.31         | -                  | 0.2940                       | 0.0121                                   | 0.041                         | 7.425  | 2.725          | 11,273           | 10,551                                | 0.270                                 | 0.318  |
|  | Discriminatory attitudes towards people living with HIV (Men)             | TM.31         | -                  | 0.2750                       | 0.0161                                   | 0.059                         | 6.008  | 2.451          | 5,004            | 4,598                                 | 0.243                                 | 0.307  |
| <b>Thrive - Child health, nutrition and development</b>  |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|  | Diphtheria, tetanus and pertussis (DTP) immunization coverage             | TC.3          | 3.b.1&3.8.1        | 0.8616                       | 0.0107                                   | 0.012                         | 0.821  | 0.906          | 734              | 860                                   | 0.840                                 | 0.883  |
|  | Polio immunization coverage   | TC.51         | -                  | 0.8719                       | 0.0101                                   | 0.012                         | 0.785  | 0.886          | 734              | 860                                   | 0.852                                 | 0.892  |
|  | Measles immunization coverage   | TC.10         | 3.b.1              | 0.9244                       | 0.0074                                   | 0.008                         | 0.676  | 0.822          | 734              | 860                                   | 0.910                                 | 0.939  |
|  | Primary reliance on clean fuels and technologies for cooking and lighting | TC.18         | 7.1.2              | 0.9312                       | 0.0052                                   | 0.006                         | 6.877  | 2.622          | 40,204           | 16,257                                | 0.921                                 | 0.942  |
|  | Early initiation of breastfeeding   | TC.31         | -                  | 0.3353                       | 0.0270                                   | 0.080                         | 4.305  | 2.075          | 559              | 1,319                                 | 0.281                                 | 0.389  |
|  | Exclusive breastfeeding under 6 months                                    | TC.32         | -                  | 0.1734                       | 0.0045                                   | 0.026                         | 0.026  | 0.160          | 223              | 184                                   | 0.164                                 | 0.182  |
|  | Predominant breastfeeding under 6 months                                  | TC.33         | -                  | 0.3381                       | 0.0107                                   | 0.032                         | 0.093  | 0.305          | 223              | 184                                   | 0.317                                 | 0.359  |
|  | Age-appropriate breastfeeding   | TC.37         | -                  | 0.2853                       | 0.0324                                   | 0.114                         | 7.432  | 2.726          | 1,499            | 1,442                                 | 0.220                                 | 0.350  |
|  | Underweight prevalence (moderate and severe)                              | TC.44a        | -                  | 0.0644                       | 0.0068                                   | 0.105                         | 3.358  | 1.832          | 3,869            | 4,385                                 | 0.051                                 | 0.078  |
|  | Stunting prevalence (moderate and severe)                                 | TC.45a        | 2.2.1              | 0.1228                       | 0.0109                                   | 0.089                         | 4.702  | 2.168          | 3,783            | 4,266                                 | 0.101                                 | 0.145  |
|  | Wasting prevalence (moderate and severe)                                  | TC.46a        | 2.2.2              | 0.0813                       | 0.0091                                   | 0.112                         | 4.673  | 2.162          | 3,678            | 4,217                                 | 0.063                                 | 0.100  |
|  | Overweight prevalence (moderate and severe)                               | TC.47a        | 2.2.2              | 0.1100                       | 0.0091                                   | 0.083                         | 3.558  | 1.886          | 3,678            | 4,217                                 | 0.092                                 | 0.128  |
|  | Early stimulation and responsive care by any adult household member       | TC.49a        | -                  | 0.9213                       | 0.0087                                   | 0.009                         | 3.408  | 1.846          | 2,774            | 3,251                                 | 0.904                                 | 0.939  |

| Table SE.2: Sampling errors: Urban (continued)   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
|--|----------------|-----------------------|--------------------|------------------------------|--|-------------------------------|--|----------------|------------------|---------------------------------------|---------------------------------------|
| Standard errors, coefficients of variation, design effects ( <i>deff</i> ), square root of design effects ( <i>deft</i> ), and confidence intervals for selected SDG and MICS indicators, Thailand, 2022 |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
|  | MICS Indicator | SDG Indicator         | Value ( <i>r</i> ) | Standard error ( <i>se</i> ) | Coefficient of variation ( <i>se/r</i> ) | Design effect ( <i>deff</i> ) | Square root of design effect ( <i>deft</i> ) | Weighted count | Unweighted count | Confidence limits                     |                                       |
|  |                |                       |                    |                              |  |                               |  |                |                  | Lower bound<br><i>r</i> - 2 <i>se</i> | Upper bound<br><i>r</i> + 2 <i>se</i> |
| Early stimulation and responsive care by father  | TC.49b         | -                     | 0.3820             | 0.0179                       | 0.047                                    | 4.409                         | 2.100  | 2,774          | 3,251            | 0.346                                 | 0.418                                 |
| Early stimulation and responsive care by mother  | TC.49c         | -                     | 0.7033             | 0.0179                       | 0.025                                    | 4.980                         | 2.232  | 2,774          | 3,251            | 0.668                                 | 0.739                                 |
| Availability of children's books   | TC.50          | -                     | 0.4219             | 0.0178                       | 0.042                                    | 6.080                         | 2.466  | 4,273          | 4,693            | 0.386                                 | 0.457                                 |
| Availability of playthings   | TC.51          | -                     | 0.8502             | 0.0131                       | 0.015                                    | 6.327                         | 2.515  | 4,273          | 4,693            | 0.824                                 | 0.876                                 |
| Availability of electronic device as playthings  | TC.S3          | -                     | 0.6334             | 0.0177                       | 0.028                                    | 6.344                         | 2.519  | 4,273          | 4,693            | 0.598                                 | 0.669                                 |
| Early child development index (ECDI2030)   | TC.53          | 4.2.1                 | 0.7971             | 0.0130                       | 0.016                                    | 3.394                         | 1.842  | 2,774          | 3,251            | 0.771                                 | 0.823                                 |
| <b>Learn</b>   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Participation rate in organised learning (adjusted)  | LN.2           | 4.2.2                 | 0.8893             | 0.0118                       | 0.013                                    | 1.302                         | 1.141  | 301            | 924              | 0.866                                 | 0.913                                 |
| Completion rate (Primary)  | LN.8a          |                       | 0.9926             | 0.0019                       | 0.002                                    | 0.741                         | 0.861  | 1,270          | 1,578            | 0.989                                 | 0.996                                 |
| Completion rate (Lower secondary)  | LN.8b          |                       | 0.8965             | 0.0110                       | 0.012                                    | 1.697                         | 1.303  | 1,087          | 1,310            | 0.875                                 | 0.918                                 |
| Completion rate (Upper secondary)  | LN.8c          |                       | 0.7379             | 0.0241                       | 0.033                                    | 4.206                         | 2.051  | 1,227          | 1,400            | 0.690                                 | 0.786                                 |
| <b>Protected from violence and exploitation</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Birth registration   | PR.1           | 16.9.1                | 0.9969             | 0.0016                       | 0.002                                    | 3.990                         | 1.998  | 4,273          | 4,693            | 0.994                                 | 1.000                                 |
| Violent discipline   | PR.2           | 16.2.1                | 0.5306             | 0.0150                       | 0.028                                    | 8.075                         | 2.842  | 9,355          | 8,932            | 0.501                                 | 0.561                                 |
| Child marriage (before age 15, women age 20-24)  | PR.4a          | 5.3.1                 | 0.0334             | 0.0061                       | 0.181                                    | 1.380                         | 1.175  | 1,249          | 1,216            | 0.021                                 | 0.046                                 |
| Child marriage (before age 18, women age 20-24)  | PR.4b          | 5.3.1                 | 0.1274             | 0.0120                       | 0.094                                    | 1.565                         | 1.251  | 1,249          | 1,216            | 0.103                                 | 0.151                                 |
| Safety (women)   | PR.14          | 16.1.4                | 0.7705             | 0.0120                       | 0.016                                    | 9.104                         | 3.017  | 11,566         | 11,090           | 0.746                                 | 0.795                                 |
| Safety (men)   | PR.14          | 16.1.4                | 0.8924             | 0.0095                       | 0.011                                    | 4.645                         | 2.155  | 5,185          | 4,901            | 0.873                                 | 0.911                                 |
| <b>Live in a safe and clean environment</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Use of basic drinking water services   | WS.2           | 1.4.1                 | 0.9976             | 0.0004                       | 0.000                                    | 0.966                         | 0.983  | 40,204         | 16,257           | 0.997                                 | 0.998                                 |
| Handwashing facility with water and soap   | WS.7           | 1.4.1&6.2.1           | 0.9300             | 0.0054                       | 0.006                                    | 5.914                         | 2.432  | 30,698         | 13,147           | 0.919                                 | 0.941                                 |
| Use of improved sanitation facilities  | WS.8           |                       | 0.9994             | 0.0002                       | 0.000                                    | 1.273                         | 1.128  | 40,204         | 16,257           | 0.999                                 | 1.000                                 |
| Use of basic sanitation services   | WS.9           | 1.4.1 & 3.8.1 & 6.2.1 | 0.9792             | 0.0026                       | 0.003                                    | 5.458                         | 2.336  | 40,204         | 16,257           | 0.974                                 | 0.984                                 |
| Removal of excreta for treatment off-site  | WS.11          | 6.2.1                 | 0.3872             | 0.0112                       | 0.029                                    | 8.581                         | 2.929  | 40,204         | 16,257           | 0.365                                 | 0.410                                 |
| <b>Equitable chance in life</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Population covered by social transfers   | EQ.3           | 1.3.1                 | 0.6562             | 0.0102                       | 0.015                                    | 7.450                         | 2.730  | 40,204         | 16,257           | 0.636                                 | 0.676                                 |
| Discrimination (women)   | EQ.7           | 10.3.1&16.b.1         | 0.1042             | 0.0072                       | 0.069                                    | 6.147                         | 2.479  | 11,566         | 11,090           | 0.090                                 | 0.119                                 |
| Discrimination (men)   | EQ.7           | 10.3.1&16.b.1         | 0.1227             | 0.0109                       | 0.089                                    | 5.369                         | 2.317  | 5,185          | 4,901            | 0.101                                 | 0.144                                 |
| na: not applicable   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |



| Table SE.3: Sampling errors: Rural   |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|--|---|---------------|--------------------|------------------------------|--|-------------------------------|--|----------------|------------------|---------------------------------------|---------------------------------------|--------|
| Standard errors, coefficients of variation, design effects ( <i>deff</i> ), square root of design effects ( <i>deft</i> ), and confidence intervals for selected SDG and MICS indicators, Thailand, 2022 |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|  | MICS Indicator  | SDG Indicator | Value ( <i>r</i> ) | Standard error ( <i>se</i> ) | Coefficient of variation ( <i>se/r</i> ) | Design effect ( <i>deff</i> ) | Square root of design effect ( <i>deft</i> ) | Weighted count | Unweighted count | Confidence limits                     |                                       |        |
|  |   |               |                    |                              |  |                               |  |                |                  | Lower bound<br><i>r</i> - 2 <i>se</i> | Upper bound<br><i>r</i> + 2 <i>se</i> |        |
| <b>Sample coverage and characteristics of the respondents</b>  |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|  | Access to electricity   | SR.1          | 7.1.1              | 0.9991                       | 0.0004                                   | 0.000                         | 2.963  | 1.721          | 39,307           | 13,751                                | 0.998                                 | 1.000  |
|  | Access to the internet at home  | SR.8          | -                  | 0.7784                       | 0.0092                                   | 0.012                         | 6.710  | 2.590          | 13,553           | 13,751                                | 0.760                                 | 0.797  |
|  | Ownership of mobile phone   | -             | -                  | 0.9450                       | 0.0034                                   | 0.004                         | 3.138  | 1.772          | 13,553           | 13,751                                | 0.938                                 | 0.952  |
| <b>Thrive - Reproductive and maternal health</b>   |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|  | Total fertility rate (number of live births)                              | -             | -                  | 1.2005                       | 0.1026                                   | 0.085                         | na   | na             | na               | na                                    | 0.995                                 | 1.406  |
|  | Adolescent birth rate (per 1,000 adolescent women)                        | TM.1          | 3.7.2              | 16.5213                      | 3.6326                                   | 0.220                         | na   | na             | na               | na                                    | 9.256                                 | 23.786 |
|  | Early childbearing  | TM.2          | -                  | 0.1007                       | 0.0127                                   | 0.126                         | 1.942  | 1.393          | 903              | 1,091                                 | 0.075                                 | 0.126  |
|  | Contraceptive prevalence rate   | TM.3          | -                  | 0.7187                       | 0.0128                                   | 0.018                         | 5.731  | 2.394          | 5,790            | 7,105                                 | 0.693                                 | 0.744  |
|  | Unmet need for family planning  | -             | -                  | 0.0937                       | 0.0080                                   | 0.085                         | 5.308  | 2.304          | 5,790            | 7,105                                 | 0.078                                 | 0.110  |
|  | Need for family planning satisfied with modern contraception              | TM.4          | 3.7.1&3.8.1        | 0.8644                       | 0.0102                                   | 0.012                         | 5.349  | 2.313          | 4,705            | 6,041                                 | 0.844                                 | 0.885  |
|  | Antenatal care coverage (at least once by skilled health personnel)       | TM.5a         | -                  | 0.9930                       | 0.0018                                   | 0.002                         | 0.733  | 0.856          | 648              | 1,516                                 | 0.989                                 | 0.997  |
|  | Antenatal care coverage (at least four times by any provider)             | TM.5b         | -                  | 0.9064                       | 0.0138                                   | 0.015                         | 3.377  | 1.838          | 648              | 1,516                                 | 0.879                                 | 0.934  |
|  | Skilled attendant at delivery   | TM.9          | 3.1.2              | 0.9970                       | 0.0013                                   | 0.001                         | 0.873  | 0.934          | 648              | 1,516                                 | 0.994                                 | 1.000  |
|  | Comprehensive knowledge about HIV prevention among young people (Women)   | TM.29         | -                  | 0.5353                       | 0.0228                                   | 0.043                         | 4.647  | 2.156          | 2,184            | 2,222                                 | 0.490                                 | 0.581  |
|  | Comprehensive knowledge about HIV prevention among young people (Men)     | TM.29         | -                  | 0.5237                       | 0.0247                                   | 0.047                         | 2.584  | 1.607          | 1,143            | 1,058                                 | 0.474                                 | 0.573  |
|  | Discriminatory attitudes towards people living with HIV (Women)           | TM.31         | -                  | 0.2723                       | 0.0121                                   | 0.044                         | 6.999  | 2.646          | 9,204            | 9,492                                 | 0.248                                 | 0.296  |
|  | Discriminatory attitudes towards people living with HIV (Men)             | TM.31         | -                  | 0.2563                       | 0.0147                                   | 0.058                         | 4.796  | 2.190          | 4,033            | 4,205                                 | 0.227                                 | 0.286  |
| <b>Thrive - Child health, nutrition and development</b>  |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|  | Diphtheria, tetanus and pertussis (DTP) immunization coverage             | TC.3          | 3.b.1&3.8.1        | 0.9017                       | 0.0146                                   | 0.016                         | 2.667  | 1.633          | 1,260            | 1,116                                 | 0.873                                 | 0.931  |
|  | Polio immunization coverage   | TC.S1         | -                  | 0.9058                       | 0.0139                                   | 0.015                         | 2.512  | 1.585          | 1,260            | 1,116                                 | 0.878                                 | 0.934  |
|  | Measles immunization coverage   | TC.10         | 3.b.1              | 0.9305                       | 0.0114                                   | 0.012                         | 2.221  | 1.490          | 1,260            | 1,116                                 | 0.908                                 | 0.953  |
|  | Primary reliance on clean fuels and technologies for cooking and lighting | TC.18         | 7.1.2              | 0.7933                       | 0.0088                                   | 0.011                         | 6.446  | 2.539          | 39,307           | 13,751                                | 0.776                                 | 0.811  |
|  | Early initiation of breastfeeding   | TC.31         | -                  | 0.2589                       | 0.0259                                   | 0.100                         | 5.305  | 2.303          | 648              | 1,516                                 | 0.207                                 | 0.311  |
|  | Exclusive breastfeeding under 6 months                                    | TC.32         | -                  | 0.3490                       | 0.0475                                   | 0.136                         | 2.472  | 1.572          | 397              | 250                                   | 0.254                                 | 0.444  |
|  | Predominant breastfeeding under 6 months                                  | TC.33         | -                  | 0.5170                       | 0.0376                                   | 0.073                         | 1.409  | 1.187          | 397              | 250                                   | 0.442                                 | 0.592  |
|  | Age-appropriate breastfeeding   | TC.37         | -                  | 0.2795                       | 0.0223                                   | 0.080                         | 4.551  | 2.133          | 2,144            | 1,848                                 | 0.235                                 | 0.324  |
|  | Underweight prevalence (moderate and severe)                              | TC.44a        | -                  | 0.0685                       | 0.0058                                   | 0.085                         | 2.982  | 1.727          | 6,038            | 5,599                                 | 0.057                                 | 0.080  |
|  | Stunting prevalence (moderate and severe)                                 | TC.45a        | 2.2.1              | 0.1257                       | 0.0086                                   | 0.068                         | 3.674  | 1.917          | 5,952            | 5,506                                 | 0.109                                 | 0.143  |
|  | Wasting prevalence (moderate and severe)                                  | TC.46a        | 2.2.2              | 0.0659                       | 0.0061                                   | 0.092                         | 3.230  | 1.797          | 5,825            | 5,399                                 | 0.054                                 | 0.078  |
|  | Overweight prevalence (moderate and severe)                               | TC.47a        | 2.2.2              | 0.1082                       | 0.0095                                   | 0.088                         | 5.100  | 2.258          | 5,825            | 5,399                                 | 0.089                                 | 0.127  |
|  | Early stimulation and responsive care by any adult household member       | TC.49a        | -                  | 0.8500                       | 0.0172                                   | 0.020                         | 9.154  | 3.026          | 4,085            | 3,961                                 | 0.816                                 | 0.884  |

| Table SE.3: Sampling errors: Rural (continued)   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
|--|----------------|-----------------------|--------------------|------------------------------|--|-------------------------------|--|----------------|------------------|---------------------------------------|---------------------------------------|
| Standard errors, coefficients of variation, design effects ( <i>deff</i> ), square root of design effects ( <i>deft</i> ), and confidence intervals for selected SDG and MICS indicators, Thailand, 2022 |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
|  | MICS Indicator | SDG Indicator         | Value ( <i>r</i> ) | Standard error ( <i>se</i> ) | Coefficient of variation ( <i>se/r</i> ) | Design effect ( <i>deff</i> ) | Square root of design effect ( <i>deft</i> ) | Weighted count | Unweighted count | Confidence limits                     |                                       |
|  |                |                       |                    |                              |  |                               |  |                |                  | Lower bound<br><i>r</i> - 2 <i>se</i> | Upper bound<br><i>r</i> + 2 <i>se</i> |
| Early stimulation and responsive care by father  | TC.49b         | -                     | 0.2566             | 0.0144                       | 0.056                                    | 4.330                         | 2.081  | 4,085          | 3,961            | 0.228                                 | 0.285                                 |
| Early stimulation and responsive care by mother  | TC.49c         | -                     | 0.5946             | 0.0187                       | 0.032                                    | 5.775                         | 2.403  | 4,085          | 3,961            | 0.557                                 | 0.632                                 |
| Availability of children's books   | TC.50          | -                     | 0.3156             | 0.0152                       | 0.048                                    | 6.184                         | 2.487  | 6,229          | 5,809            | 0.285                                 | 0.346                                 |
| Availability of playthings   | TC.51          | -                     | 0.8437             | 0.0113                       | 0.013                                    | 5.648                         | 2.377  | 6,229          | 5,809            | 0.821                                 | 0.866                                 |
| Availability of electronic device as playthings  | TC.S3          | -                     | 0.6084             | 0.0120                       | 0.020                                    | 3.509                         | 1.873  | 6,229          | 5,809            | 0.584                                 | 0.632                                 |
| Early child development index (ECDI2030)   | TC.S3          | 4.2.1                 | 0.7653             | 0.0159                       | 0.021                                    | 5.557                         | 2.357  | 4,085          | 3,961            | 0.734                                 | 0.797                                 |
| <b>Learn</b>   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Participation rate in organised learning (adjusted)  | LN.2           | 4.2.2                 | 0.8669             | 0.0227                       | 0.026                                    | 4.761                         | 2.182  | 443            | 1,064            | 0.821                                 | 0.912                                 |
| Completion rate (Primary)  | LN.8a          |                       | 0.9807             | 0.0039                       | 0.004                                    | 1.271                         | 1.127  | 1,472          | 1,599            | 0.973                                 | 0.988                                 |
| Completion rate (Lower secondary)  | LN.8b          |                       | 0.8794             | 0.0127                       | 0.014                                    | 2.010                         | 1.418  | 1,223          | 1,326            | 0.854                                 | 0.905                                 |
| Completion rate (Upper secondary)  | LN.8c          |                       | 0.6393             | 0.0214                       | 0.034                                    | 2.294                         | 1.514  | 915            | 1,151            | 0.596                                 | 0.682                                 |
| <b>Protected from violence and exploitation</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Birth registration   | PR.1           | 16.9.1                | 0.9991             | 0.0006                       | 0.001                                    | 2.239                         | 1.496  | 6,229          | 5,809            | 0.998                                 | 1.000                                 |
| Violent discipline   | PR.2           | 16.2.1                | 0.5425             | 0.0130                       | 0.024                                    | 7.243                         | 2.691  | 13,061         | 10,714           | 0.517                                 | 0.568                                 |
| Child marriage (before age 15, women age 20-24)  | PR.4a          | 5.3.1                 | 0.0848             | 0.0166                       | 0.195                                    | 3.860                         | 1.965  | 903            | 1,091            | 0.052                                 | 0.118                                 |
| Child marriage (before age 18, women age 20-24)  | PR.4b          | 5.3.1                 | 0.2286             | 0.0213                       | 0.093                                    | 2.803                         | 1.674  | 903            | 1,091            | 0.186                                 | 0.271                                 |
| Safety (women)   | PR.14          | 16.1.4                | 0.7635             | 0.0134                       | 0.018                                    | 10.004                        | 3.163  | 9,523          | 9,999            | 0.737                                 | 0.790                                 |
| Safety (men)   | PR.14          | 16.1.4                | 0.9309             | 0.0086                       | 0.009                                    | 5.199                         | 2.280  | 4,267          | 4,551            | 0.914                                 | 0.948                                 |
| <b>Live in a safe and clean environment</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Use of basic drinking water services   | WS.2           | 1.4.1                 | 0.9953             | 0.0010                       | 0.001                                    | 2.717                         | 1.648  | 39,307         | 13,751           | 0.993                                 | 0.997                                 |
| Handwashing facility with water and soap   | WS.7           | 1.4.1&6.2.1           | 0.9173             | 0.0047                       | 0.005                                    | 3.925                         | 1.981  | 38,041         | 13,311           | 0.908                                 | 0.927                                 |
| Use of improved sanitation facilities  | WS.8           |                       | 0.9973             | 0.0010                       | 0.001                                    | 4.623                         | 2.150  | 39,307         | 13,751           | 0.995                                 | 0.999                                 |
| Use of basic sanitation services   | WS.9           | 1.4.1 & 3.8.1 & 6.2.1 | 0.9858             | 0.0018                       | 0.002                                    | 3.291                         | 1.814  | 39,307         | 13,751           | 0.982                                 | 0.989                                 |
| Removal of excreta for treatment off-site  | WS.11          | 6.2.1                 | 0.5835             | 0.0120                       | 0.021                                    | 8.198                         | 2.863  | 39,307         | 13,751           | 0.559                                 | 0.608                                 |
| <b>Equitable chance in life</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Population covered by social transfers   | EQ.3           | 1.3.1                 | 0.7689             | 0.0103                       | 0.013                                    | 8.226                         | 2.868  | 39,307         | 13,751           | 0.748                                 | 0.790                                 |
| Discrimination (women)   | EQ.7           | 10.3.1&16.b.1         | 0.0963             | 0.0078                       | 0.081                                    | 6.920                         | 2.631  | 9,523          | 9,999            | 0.081                                 | 0.112                                 |
| Discrimination (men)   | EQ.7           | 10.3.1&16.b.1         | 0.1153             | 0.0093                       | 0.081                                    | 3.852                         | 1.963  | 4,267          | 4,551            | 0.097                                 | 0.134                                 |
| na: not applicable   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |

| Table SE.4: Sampling errors: Bangkok   |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |          |
|--|---|---------------|--------------------|------------------------------|--|-------------------------------|--|----------------|------------------|---------------------------------------|---------------------------------------|----------|
| Standard errors, coefficients of variation, design effects ( <i>deff</i> ), square root of design effects ( <i>deft</i> ), and confidence intervals for selected SDG and MICS indicators, Thailand, 2022 |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |          |
|  | MICS Indicator  | SDG Indicator | Value ( <i>r</i> ) | Standard error ( <i>se</i> ) | Coefficient of variation ( <i>se/r</i> ) | Design effect ( <i>deff</i> ) | Square root of design effect ( <i>deft</i> ) | Weighted count | Unweighted count | Confidence limits                     |                                       |          |
|  |   |               |                    |                              |  |                               |  |                |                  | Lower bound<br><i>r</i> - 2 <i>se</i> | Upper bound<br><i>r</i> + 2 <i>se</i> |          |
| <b>Sample coverage and characteristics of the respondents</b>  |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |          |
|  | Access to electricity   | SR.1          | 7.1.1              | 1.0000                       | 0.0000                                   | 0.000                         | na   | na             | 10,855           | 3,455                                 | 1.000                                 | 1.000    |
|  | Access to the internet at home  | SR.8          | -                  | 0.9379                       | 0.0079                                   | 0.008                         | 3.680  | 1.918          | 4,793            | 3,455                                 | 0.922                                 | 0.954    |
|  | Ownership of mobile phone   | -             | -                  | 0.9881                       | 0.0024                                   | 0.002                         | 1.704  | 1.305          | 4,793            | 3,455                                 | 0.983                                 | 0.993    |
| <b>Thrive - Reproductive and maternal health</b>   |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |          |
|  | Total fertility rate (number of live births)                              | -             | -                  | 0.6307                       | 0.1196                                   | 0.190                         | na   | na             | na               | na                                    | 0.392                                 | 0.870    |
|  | Adolescent birth rate (per 1,000 adolescent women)                        | TM.1          | 3.7.2              | (21.5749)                    | (13.4397)                                | (0.623)                       | na   | na             | na               | na                                    | (0.000)                               | (48.454) |
|  | Early childbearing  | TM.2          | -                  | 0.0412                       | 0.0146                                   | 0.353                         | 1.437  | 1.199          | 432              | 269                                   | 0.012                                 | 0.070    |
|  | Contraceptive prevalence rate   | TM.3          | -                  | 0.7327                       | 0.0201                                   | 0.027                         | 2.423  | 1.556          | 1,611            | 1,177                                 | 0.692                                 | 0.773    |
|  | Unmet need for family planning  | -             | -                  | 0.0767                       | 0.0097                                   | 0.126                         | 1.547  | 1.244          | 1,611            | 1,177                                 | 0.057                                 | 0.096    |
|  | Need for family planning satisfied with modern contraception              | TM.4          | 3.7.1&3.8.1        | 0.8701                       | 0.0132                                   | 0.015                         | 1.536  | 1.239          | 1,304            | 996                                   | 0.844                                 | 0.897    |
|  | Antenatal care coverage (at least once by skilled health personnel)       | TM.5a         | -                  | 0.9986                       | 0.0001                                   | 0.000                         | 0.002  | 0.040          | 126              | 170                                   | 0.998                                 | 0.999    |
|  | Antenatal care coverage (at least four times by any provider)             | TM.5b         | -                  | 0.9146                       | 0.0269                                   | 0.029                         | 1.564  | 1.251          | 126              | 170                                   | 0.861                                 | 0.968    |
|  | Skilled attendant at delivery   | TM.9          | 3.1.2              | 1.0000                       | 0.0000                                   | 0.000                         | na   | na             | 126              | 170                                   | 1.000                                 | 1.000    |
|  | Comprehensive knowledge about HIV prevention among young people (Women)   | TM.29         | -                  | 0.5378                       | 0.0273                                   | 0.051                         | 1.337  | 1.156          | 703              | 447                                   | 0.483                                 | 0.592    |
|  | Comprehensive knowledge about HIV prevention among young people (Men)     | TM.29         | -                  | 0.5274                       | 0.0392                                   | 0.074                         | 1.170  | 1.082          | 354              | 191                                   | 0.449                                 | 0.606    |
|  | Discriminatory attitudes towards people living with HIV (Women)           | TM.31         | -                  | 0.3223                       | 0.0175                                   | 0.054                         | 2.990  | 1.729          | 3,436            | 2,144                                 | 0.287                                 | 0.357    |
|  | Discriminatory attitudes towards people living with HIV (Men)             | TM.31         | -                  | 0.3076                       | 0.0242                                   | 0.079                         | 2.416  | 1.554          | 1,526            | 881                                   | 0.259                                 | 0.356    |
| <b>Thrive - Child health, nutrition and development</b>  |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |          |
|  | Diphtheria, tetanus and pertussis (DTP) immunization coverage             | TC.3          | 3.b.1&3.8.1        | 0.7460                       | 0.0344                                   | 0.046                         | 0.619  | 0.787          | 160              | 100                                   | 0.677                                 | 0.815    |
|  | Polio immunization coverage   | TC.S1         | -                  | 0.7492                       | 0.0383                                   | 0.051                         | 0.771  | 0.878          | 160              | 100                                   | 0.673                                 | 0.826    |
|  | Measles immunization coverage   | TC.10         | 3.b.1              | 0.9309                       | 0.0109                                   | 0.012                         | 0.184  | 0.429          | 160              | 100                                   | 0.909                                 | 0.953    |
|  | Primary reliance on clean fuels and technologies for cooking and lighting | TC.18         | 7.1.2              | 0.9944                       | 0.0023                                   | 0.002                         | 3.283  | 1.812          | 10,855           | 3,455                                 | 0.990                                 | 0.999    |
|  | Early initiation of breastfeeding   | TC.31         | -                  | 0.1860                       | 0.0333                                   | 0.179                         | 1.239  | 1.113          | 126              | 170                                   | 0.119                                 | 0.253    |
|  | Exclusive breastfeeding under 6 months                                    | TC.32         | -                  | (*)                          | (*)                                      | (*)                           | (*)  | (*)            | 28               | 21                                    | (*)                                   | (*)      |
|  | Predominant breastfeeding under 6 months                                  | TC.33         | -                  | (*)                          | (*)                                      | (*)                           | (*)  | (*)            | 28               | 21                                    | (*)                                   | (*)      |
|  | Age-appropriate breastfeeding   | TC.37         | -                  | 0.2867                       | 0.0396                                   | 0.138                         | 1.288  | 1.135          | 295              | 169                                   | 0.208                                 | 0.366    |
|  | Underweight prevalence (moderate and severe)                              | TC.44a        | -                  | 0.1167                       | 0.0182                                   | 0.156                         | 1.501  | 1.225          | 650              | 467                                   | 0.080                                 | 0.153    |
|  | Stunting prevalence (moderate and severe)                                 | TC.45a        | 2.2.1              | 0.1213                       | 0.0206                                   | 0.170                         | 1.744  | 1.321          | 609              | 438                                   | 0.080                                 | 0.163    |
|  | Wasting prevalence (moderate and severe)                                  | TC.46a        | 2.2.2              | 0.1083                       | 0.0239                                   | 0.220                         | 2.563  | 1.601          | 595              | 435                                   | 0.061                                 | 0.156    |
|  | Overweight prevalence (moderate and severe)                               | TC.47a        | 2.2.2              | 0.1513                       | 0.0203                                   | 0.134                         | 1.399  | 1.183          | 595              | 435                                   | 0.111                                 | 0.192    |
|  | Early stimulation and responsive care by any adult household member       | TC.49a        | -                  | 0.9686                       | 0.0104                                   | 0.011                         | 1.413  | 1.189          | 535              | 397                                   | 0.948                                 | 0.989    |

| Table SE.4: Sampling errors: Bangkok (continued)   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
|--|----------------|-----------------------|--------------------|------------------------------|--|-------------------------------|--|----------------|------------------|---------------------------------------|---------------------------------------|
| Standard errors, coefficients of variation, design effects ( <i>deff</i> ), square root of design effects ( <i>deft</i> ), and confidence intervals for selected SDG and MICS indicators, Thailand, 2022 |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
|  | MICS Indicator | SDG Indicator         | Value ( <i>r</i> ) | Standard error ( <i>se</i> ) | Coefficient of variation ( <i>se/r</i> ) | Design effect ( <i>deff</i> ) | Square root of design effect ( <i>deft</i> ) | Weighted count | Unweighted count | Confidence limits                     |                                       |
|  |                |                       |                    |                              |  |                               |  |                |                  | Lower bound<br><i>r</i> - 2 <i>se</i> | Upper bound<br><i>r</i> + 2 <i>se</i> |
| Early stimulation and responsive care by father  | TC.49b         | -                     | 0.4525             | 0.0485                       | 0.107                                    | 3.767                         | 1.941  | 535            | 397              | 0.355                                 | 0.550                                 |
| Early stimulation and responsive care by mother  | TC.49c         | -                     | 0.7292             | 0.0462                       | 0.063                                    | 4.284                         | 2.070  | 535            | 397              | 0.637                                 | 0.822                                 |
| Availability of children's books   | TC.50          | -                     | 0.4902             | 0.0380                       | 0.077                                    | 3.257                         | 1.805  | 830            | 566              | 0.414                                 | 0.566                                 |
| Availability of playthings   | TC.51          | -                     | 0.8276             | 0.0267                       | 0.032                                    | 2.827                         | 1.681  | 830            | 566              | 0.774                                 | 0.881                                 |
| Availability of electronic device as playthings  | TC.S3          | -                     | 0.6276             | 0.0332                       | 0.053                                    | 2.670                         | 1.634  | 830            | 566              | 0.561                                 | 0.694                                 |
| Early child development index (ECDI2030)   | TC.53          | 4.2.1                 | 0.8528             | 0.0252                       | 0.030                                    | 2.004                         | 1.416  | 535            | 397              | 0.802                                 | 0.903                                 |
| <b>Learn</b>   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Participation rate in organised learning (adjusted)  | LN.2           | 4.2.2                 | 0.8989             | 0.0151                       | 0.017                                    | 0.290                         | 0.539  | 58             | 117              | 0.869                                 | 0.929                                 |
| Completion rate (Primary)  | LN.8a          |                       | 1.0000             | 0.0000                       | 0.000                                    | na                            | na   | 274            | 226              | 1.000                                 | 1.000                                 |
| Completion rate (Lower secondary)  | LN.8b          |                       | 0.9334             | 0.0161                       | 0.017                                    | 1.159                         | 1.077  | 334            | 280              | 0.901                                 | 0.966                                 |
| Completion rate (Upper secondary)  | LN.8c          |                       | 0.7968             | 0.0282                       | 0.035                                    | 1.558                         | 1.248  | 403            | 319              | 0.740                                 | 0.853                                 |
| <b>Protected from violence and exploitation</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Birth registration   | PR.1           | 16.9.1                | 0.9914             | 0.0075                       | 0.008                                    | 3.680                         | 1.918  | 830            | 566              | 0.976                                 | 1.000                                 |
| Violent discipline   | PR.2           | 16.2.1                | 0.5489             | 0.0267                       | 0.049                                    | 3.221                         | 1.795  | 1,927          | 1,122            | 0.496                                 | 0.602                                 |
| Child marriage (before age 15, women age 20-24)  | PR.4a          | 5.3.1                 | 0.0247             | 0.0086                       | 0.349                                    | 0.828                         | 0.910  | 432            | 269              | 0.007                                 | 0.042                                 |
| Child marriage (before age 18, women age 20-24)  | PR.4b          | 5.3.1                 | 0.0885             | 0.0185                       | 0.209                                    | 1.132                         | 1.064  | 432            | 269              | 0.052                                 | 0.125                                 |
| Safety (women)   | PR.14          | 16.1.4                | 0.7703             | 0.0191                       | 0.025                                    | 4.458                         | 2.111  | 3,464          | 2,168            | 0.732                                 | 0.808                                 |
| Safety (men)   | PR.14          | 16.1.4                | 0.8725             | 0.0192                       | 0.022                                    | 2.940                         | 1.715  | 1,546          | 892              | 0.834                                 | 0.911                                 |
| <b>Live in a safe and clean environment</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Use of basic drinking water services   | WS.2           | 1.4.1                 | 0.9991             | 0.0009                       | 0.001                                    | 3.270                         | 1.808  | 10,855         | 3,455            | 0.997                                 | 1.000                                 |
| Handwashing facility with water and soap   | WS.7           | 1.4.1&6.2.1           | 0.9190             | 0.0087                       | 0.009                                    | 1.372                         | 1.171  | 4,535          | 1,361            | 0.902                                 | 0.936                                 |
| Use of improved sanitation facilities  | WS.8           |                       | 1.0000             | 0.0000                       | 0.000                                    | na                            | na   | 10,855         | 3,455            | 1.000                                 | 1.000                                 |
| Use of basic sanitation services   | WS.9           | 1.4.1 & 3.8.1 & 6.2.1 | 0.9562             | 0.0067                       | 0.007                                    | 3.740                         | 1.934  | 10,855         | 3,455            | 0.943                                 | 0.970                                 |
| Removal of excreta for treatment off-site  | WS.11          | 6.2.1                 | 0.2024             | 0.0174                       | 0.086                                    | 6.480                         | 2.546  | 10,855         | 3,455            | 0.168                                 | 0.237                                 |
| <b>Equitable chance in life</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Population covered by social transfers   | EQ.3           | 1.3.1                 | 0.6212             | 0.0185                       | 0.030                                    | 5.021                         | 2.241  | 10,855         | 3,455            | 0.584                                 | 0.658                                 |
| Discrimination (women)   | EQ.7           | 10.3.1&16.b.1         | 0.1205             | 0.0138                       | 0.114                                    | 3.878                         | 1.969  | 3,464          | 2,168            | 0.093                                 | 0.148                                 |
| Discrimination (men)   | EQ.7           | 10.3.1&16.b.1         | 0.1292             | 0.0197                       | 0.152                                    | 3.067                         | 1.751  | 1,546          | 892              | 0.090                                 | 0.169                                 |
| na: not applicable   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| () Figures that are based on 25-49 unweighted cases.   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| (*) Figures that are based on less than 25 unweighted cases.   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |

| Table SE.5: Sampling errors: Central   |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|--|---|---------------|--------------------|------------------------------|--|-------------------------------|--|----------------|------------------|---------------------------------------|---------------------------------------|--------|
| Standard errors, coefficients of variation, design effects ( <i>deff</i> ), square root of design effects ( <i>deft</i> ), and confidence intervals for selected SDG and MICS indicators, Thailand, 2022 |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|  | MICS Indicator  | SDG Indicator | Value ( <i>r</i> ) | Standard error ( <i>se</i> ) | Coefficient of variation ( <i>se/r</i> ) | Design effect ( <i>deff</i> ) | Square root of design effect ( <i>deft</i> ) | Weighted count | Unweighted count | Confidence limits                     |                                       |        |
|  |   |               |                    |                              |  |                               |  |                |                  | Lower bound<br><i>r</i> - 2 <i>se</i> | Upper bound<br><i>r</i> + 2 <i>se</i> |        |
| <b>Sample coverage and characteristics of the respondents</b>  |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|  | Access to electricity   | SR.1          | 7.1.1              | 0.9997                       | 0.0003                                   | 0.000                         | 1.520  | 1.233          | 24,408           | 4,336                                 | 0.999                                 | 1.000  |
|  | Access to the internet at home  | SR.8          | -                  | 0.8770                       | 0.0113                                   | 0.013                         | 5.125  | 2.264          | 9,418            | 4,336                                 | 0.854                                 | 0.900  |
|  | Ownership of mobile phone   | -             | -                  | 0.9704                       | 0.0037                                   | 0.004                         | 2.089  | 1.445          | 9,418            | 4,336                                 | 0.963                                 | 0.978  |
| <b>Thrive - Reproductive and maternal health</b>   |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|  | Total fertility rate (number of live births)                              | -             | -                  | 0.9723                       | 0.1477                                   | 0.152                         | na   | na             | na               | na                                    | 0.677                                 | 1.268  |
|  | Adolescent birth rate (per 1,000 adolescent women)                        | TM.1          | 3.7.2              | 17.0137                      | 5.0374                                   | 0.296                         | na   | na             | na               | na                                    | 6.939                                 | 27.089 |
|  | Early childbearing  | TM.2          | -                  | 0.0636                       | 0.0146                                   | 0.230                         | 1.253  | 1.120          | 726              | 351                                   | 0.034                                 | 0.093  |
|  | Contraceptive prevalence rate   | TM.3          | -                  | 0.7406                       | 0.0168                                   | 0.023                         | 2.937  | 1.714          | 3,914            | 1,992                                 | 0.707                                 | 0.774  |
|  | Unmet need for family planning  | -             | -                  | 0.0844                       | 0.0105                                   | 0.124                         | 2.841  | 1.686          | 3,914            | 1,992                                 | 0.063                                 | 0.105  |
|  | Need for family planning satisfied with modern contraception              | TM.4          | 3.7.1&3.8.1        | 0.8731                       | 0.0142                                   | 0.016                         | 3.186  | 1.785          | 3,229            | 1,744                                 | 0.845                                 | 0.902  |
|  | Antenatal care coverage (at least once by skilled health personnel)       | TM.5a         | -                  | 0.9787                       | 0.0114                                   | 0.012                         | 2.237  | 1.496          | 375              | 362                                   | 0.956                                 | 1.000  |
|  | Antenatal care coverage (at least four times by any provider)             | TM.5b         | -                  | 0.9017                       | 0.0233                                   | 0.026                         | 2.218  | 1.489          | 375              | 362                                   | 0.855                                 | 0.948  |
|  | Skilled attendant at delivery   | TM.9          | 3.1.2              | 0.9964                       | 0.0024                                   | 0.002                         | 0.558  | 0.747          | 375              | 362                                   | 0.992                                 | 1.000  |
|  | Comprehensive knowledge about HIV prevention among young people (Women)   | TM.29         | -                  | 0.5255                       | 0.0342                                   | 0.065                         | 3.074  | 1.753          | 1,429            | 655                                   | 0.457                                 | 0.594  |
|  | Comprehensive knowledge about HIV prevention among young people (Men)     | TM.29         | -                  | 0.5286                       | 0.0327                                   | 0.062                         | 1.329  | 1.153          | 729              | 311                                   | 0.463                                 | 0.594  |
|  | Discriminatory attitudes towards people living with HIV (Women)           | TM.31         | -                  | 0.2847                       | 0.0185                                   | 0.065                         | 5.145  | 2.268          | 6,935            | 3,071                                 | 0.248                                 | 0.322  |
|  | Discriminatory attitudes towards people living with HIV (Men)             | TM.31         | -                  | 0.2537                       | 0.0227                                   | 0.089                         | 3.695  | 1.922          | 3,079            | 1,359                                 | 0.208                                 | 0.299  |
| <b>Thrive - Child health, nutrition and development</b>  |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|  | Diphtheria, tetanus and pertussis (DTP) immunization coverage             | TC.3          | 3.b.1&3.8.1        | 0.9218                       | 0.0255                                   | 0.028                         | 2.041  | 1.429          | 481              | 227                                   | 0.871                                 | 0.973  |
|  | Polio immunization coverage   | TC.S1         | -                  | 0.9255                       | 0.0245                                   | 0.026                         | 1.963  | 1.401          | 481              | 227                                   | 0.877                                 | 0.974  |
|  | Measles immunization coverage   | TC.10         | 3.b.1              | 0.9431                       | 0.0140                                   | 0.015                         | 0.823  | 0.907          | 481              | 227                                   | 0.915                                 | 0.971  |
|  | Primary reliance on clean fuels and technologies for cooking and lighting | TC.18         | 7.1.2              | 0.9761                       | 0.0048                                   | 0.005                         | 4.241  | 2.059          | 24,408           | 4,336                                 | 0.967                                 | 0.986  |
|  | Early initiation of breastfeeding   | TC.31         | -                  | 0.2400                       | 0.0330                                   | 0.138                         | 2.157  | 1.469          | 375              | 362                                   | 0.174                                 | 0.306  |
|  | Exclusive breastfeeding under 6 months                                    | TC.32         | -                  | 0.1356                       | 0.0552                                   | 0.407                         | 1.587  | 1.260          | 217              | 62                                    | 0.025                                 | 0.246  |
|  | Predominant breastfeeding under 6 months                                  | TC.33         | -                  | 0.4099                       | 0.0369                                   | 0.090                         | 0.344  | 0.586          | 217              | 62                                    | 0.336                                 | 0.484  |
|  | Age-appropriate breastfeeding   | TC.37         | -                  | 0.2866                       | 0.0560                                   | 0.195                         | 6.015  | 2.453          | 966              | 393                                   | 0.175                                 | 0.399  |
|  | Underweight prevalence (moderate and severe)                              | TC.44a        | -                  | 0.0526                       | 0.0094                                   | 0.179                         | 2.031  | 1.425          | 2,590            | 1,142                                 | 0.034                                 | 0.071  |
|  | Stunting prevalence (moderate and severe)                                 | TC.45a        | 2.2.1              | 0.1011                       | 0.0153                                   | 0.151                         | 2.864  | 1.692          | 2,518            | 1,117                                 | 0.071                                 | 0.132  |
|  | Wasting prevalence (moderate and severe)                                  | TC.46a        | 2.2.2              | 0.0668                       | 0.0139                                   | 0.208                         | 3.395  | 1.843          | 2,436            | 1,092                                 | 0.039                                 | 0.095  |
|  | Overweight prevalence (moderate and severe)                               | TC.47a        | 2.2.2              | 0.0949                       | 0.0138                                   | 0.146                         | 2.428  | 1.558          | 2,436            | 1,092                                 | 0.067                                 | 0.123  |
|  | Early stimulation and responsive care by any adult household member       | TC.49a        | -                  | 0.8915                       | 0.0267                                   | 0.030                         | 6.160  | 2.482          | 1,817            | 838                                   | 0.838                                 | 0.945  |

| Table SE.5: Sampling errors: Central (continued)   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
|--|----------------|-----------------------|--------------------|------------------------------|--|-------------------------------|--|----------------|------------------|---------------------------------------|---------------------------------------|
| Standard errors, coefficients of variation, design effects ( <i>deff</i> ), square root of design effects ( <i>deft</i> ), and confidence intervals for selected SDG and MICS indicators, Thailand, 2022 |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
|  | MICS Indicator | SDG Indicator         | Value ( <i>r</i> ) | Standard error ( <i>se</i> ) | Coefficient of variation ( <i>se/r</i> ) | Design effect ( <i>deff</i> ) | Square root of design effect ( <i>deft</i> ) | Weighted count | Unweighted count | Confidence limits                     |                                       |
|  |                |                       |                    |                              |  |                               |  |                |                  | Lower bound<br><i>r</i> - 2 <i>se</i> | Upper bound<br><i>r</i> + 2 <i>se</i> |
| Early stimulation and responsive care by father  | TC.49b         | -                     | 0.3660             | 0.0292                       | 0.080                                    | 3.066                         | 1.751  | 1,817          | 838              | 0.308                                 | 0.424                                 |
| Early stimulation and responsive care by mother  | TC.49c         | -                     | 0.6862             | 0.0366                       | 0.053                                    | 5.216                         | 2.284  | 1,817          | 838              | 0.613                                 | 0.759                                 |
| Availability of children's books   | TC.50          | -                     | 0.3891             | 0.0284                       | 0.073                                    | 4.188                         | 2.046  | 2,783          | 1,231            | 0.332                                 | 0.446                                 |
| Availability of playthings   | TC.51          | -                     | 0.8423             | 0.0182                       | 0.022                                    | 3.072                         | 1.753  | 2,783          | 1,231            | 0.806                                 | 0.879                                 |
| Availability of electronic device as playthings  | TC.S3          | -                     | 0.5840             | 0.0232                       | 0.040                                    | 2.736                         | 1.654  | 2,783          | 1,231            | 0.538                                 | 0.630                                 |
| Early child development index (ECDI2030)   | TC.53          | 4.2.1                 | 0.8036             | 0.0234                       | 0.029                                    | 2.906                         | 1.705  | 1,817          | 838              | 0.757                                 | 0.850                                 |
| <b>Learn</b>   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Participation rate in organised learning (adjusted)  | LN.2           | 4.2.2                 | 0.8635             | 0.0239                       | 0.028                                    | 1.173                         | 1.083  | 197            | 244              | 0.816                                 | 0.911                                 |
| Completion rate (Primary)  | LN.8a          |                       | 0.9874             | 0.0031                       | 0.003                                    | 0.326                         | 0.571  | 796            | 419              | 0.981                                 | 0.994                                 |
| Completion rate (Lower secondary)  | LN.8b          |                       | 0.8946             | 0.0168                       | 0.019                                    | 1.030                         | 1.015  | 664            | 346              | 0.861                                 | 0.928                                 |
| Completion rate (Upper secondary)  | LN.8c          |                       | 0.7078             | 0.0331                       | 0.047                                    | 2.089                         | 1.445  | 718            | 396              | 0.642                                 | 0.774                                 |
| <b>Protected from violence and exploitation</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Birth registration   | PR.1           | 16.9.1                | 0.9987             | 0.0011                       | 0.001                                    | 1.141                         | 1.068  | 2,783          | 1,231            | 0.996                                 | 1.000                                 |
| Violent discipline   | PR.2           | 16.2.1                | 0.4535             | 0.0199                       | 0.044                                    | 3.703                         | 1.924  | 5,946          | 2,324            | 0.414                                 | 0.493                                 |
| Child marriage (before age 15, women age 20-24)  | PR.4a          | 5.3.1                 | 0.0719             | 0.0199                       | 0.277                                    | 2.077                         | 1.441  | 726            | 351              | 0.032                                 | 0.112                                 |
| Child marriage (before age 18, women age 20-24)  | PR.4b          | 5.3.1                 | 0.1929             | 0.0246                       | 0.128                                    | 1.362                         | 1.167  | 726            | 351              | 0.144                                 | 0.242                                 |
| Safety (women)   | PR.14          | 16.1.4                | 0.7373             | 0.0210                       | 0.028                                    | 7.194                         | 2.682  | 7,165          | 3,175            | 0.695                                 | 0.779                                 |
| Safety (men)   | PR.14          | 16.1.4                | 0.9050             | 0.0142                       | 0.016                                    | 3.303                         | 1.817  | 3,201          | 1,417            | 0.877                                 | 0.933                                 |
| <b>Live in a safe and clean environment</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Use of basic drinking water services   | WS.2           | 1.4.1                 | 0.9999             | 0.0001                       | 0.000                                    | 0.564                         | 0.751  | 24,408         | 4,336            | 1.000                                 | 1.000                                 |
| Handwashing facility with water and soap   | WS.7           | 1.4.1&6.2.1           | 0.9505             | 0.0063                       | 0.007                                    | 3.172                         | 1.781  | 21,099         | 3,703            | 0.938                                 | 0.963                                 |
| Use of improved sanitation facilities  | WS.8           |                       | 0.9976             | 0.0014                       | 0.001                                    | 3.635                         | 1.907  | 24,408         | 4,336            | 0.995                                 | 1.000                                 |
| Use of basic sanitation services   | WS.9           | 1.4.1 & 3.8.1 & 6.2.1 | 0.9846             | 0.0030                       | 0.003                                    | 2.590                         | 1.609  | 24,408         | 4,336            | 0.979                                 | 0.991                                 |
| Removal of excreta for treatment off-site  | WS.11          | 6.2.1                 | 0.3288             | 0.0176                       | 0.054                                    | 6.113                         | 2.473  | 24,408         | 4,336            | 0.293                                 | 0.364                                 |
| <b>Equitable chance in life</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Population covered by social transfers   | EQ.3           | 1.3.1                 | 0.6588             | 0.0171                       | 0.026                                    | 5.671                         | 2.381  | 24,408         | 4,336            | 0.625                                 | 0.693                                 |
| Discrimination (women)   | EQ.7           | 10.3.1&16.b.1         | 0.0953             | 0.0107                       | 0.112                                    | 4.226                         | 2.056  | 7,165          | 3,175            | 0.074                                 | 0.117                                 |
| Discrimination (men)   | EQ.7           | 10.3.1&16.b.1         | 0.1102             | 0.0126                       | 0.115                                    | 2.310                         | 1.520  | 3,201          | 1,417            | 0.085                                 | 0.136                                 |
| na: not applicable   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |

| Table SE.6: Sampling errors: North   |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|--|---|---------------|--------------------|------------------------------|--|-------------------------------|--|----------------|------------------|---------------------------------------|---------------------------------------|--------|
| Standard errors, coefficients of variation, design effects ( <i>deff</i> ), square root of design effects ( <i>deft</i> ), and confidence intervals for selected SDG and MICS indicators, Thailand, 2022 |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|  | MICS Indicator  | SDG Indicator | Value ( <i>r</i> ) | Standard error ( <i>se</i> ) | Coefficient of variation ( <i>se/r</i> ) | Design effect ( <i>deff</i> ) | Square root of design effect ( <i>deft</i> ) | Weighted count | Unweighted count | Confidence limits                     |                                       |        |
|  |   |               |                    |                              |  |                               |  |                |                  | Lower bound<br><i>r</i> - 2 <i>se</i> | Upper bound<br><i>r</i> + 2 <i>se</i> |        |
| <b>Sample coverage and characteristics of the respondents</b>  |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|  | Access to electricity   | SR.1          | 7.1.1              | 0.9973                       | 0.0014                                   | 0.001                         | 3.413  | 1.848          | 12,504           | 5,065                                 | 0.995                                 | 1.000  |
|  | Access to the internet at home  | SR.8          | -                  | 0.7472                       | 0.0157                                   | 0.021                         | 6.575  | 2.564          | 4,693            | 5,065                                 | 0.716                                 | 0.779  |
|  | Ownership of mobile phone   | -             | -                  | 0.9427                       | 0.0066                                   | 0.007                         | 4.040  | 2.010          | 4,693            | 5,065                                 | 0.930                                 | 0.956  |
| <b>Thrive - Reproductive and maternal health</b>   |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|  | Total fertility rate (number of live births)                              | -             | -                  | 0.8349                       | 0.1401                                   | 0.168                         | na   | na             | na               | na                                    | 0.555                                 | 1.115  |
|  | Adolescent birth rate (per 1,000 adolescent women)                        | TM.1          | 3.7.2              | 21.7342                      | 10.8307                                  | 0.498                         | na   | na             | na               | na                                    | 0.073                                 | 43.396 |
|  | Early childbearing  | TM.2          | -                  | 0.0846                       | 0.0190                                   | 0.224                         | 1.465  | 1.210          | 228              | 317                                   | 0.047                                 | 0.123  |
|  | Contraceptive prevalence rate   | TM.3          | -                  | 0.7879                       | 0.0175                                   | 0.022                         | 4.354  | 2.087          | 1,757            | 2,381                                 | 0.753                                 | 0.823  |
|  | Unmet need for family planning  | -             | -                  | 0.0712                       | 0.0096                                   | 0.134                         | 3.298  | 1.816          | 1,757            | 2,381                                 | 0.052                                 | 0.090  |
|  | Need for family planning satisfied with modern contraception              | TM.4          | 3.7.1&3.8.1        | 0.8972                       | 0.0123                                   | 0.014                         | 3.461  | 1.860          | 1,510            | 2,113                                 | 0.873                                 | 0.922  |
|  | Antenatal care coverage (at least once by skilled health personnel)       | TM.5a         | -                  | 0.9779                       | 0.0142                                   | 0.014                         | 4.158  | 2.039          | 186              | 449                                   | 0.950                                 | 1.000  |
|  | Antenatal care coverage (at least four times by any provider)             | TM.5b         | -                  | 0.7466                       | 0.0558                                   | 0.075                         | 7.377  | 2.716          | 186              | 449                                   | 0.635                                 | 0.858  |
|  | Skilled attendant at delivery   | TM.9          | 3.1.2              | 0.9969                       | 0.0024                                   | 0.002                         | 0.826  | 0.909          | 186              | 449                                   | 0.992                                 | 1.000  |
|  | Comprehensive knowledge about HIV prevention among young people (Women)   | TM.29         | -                  | 0.5316                       | 0.0421                                   | 0.079                         | 4.797  | 2.190          | 597              | 675                                   | 0.447                                 | 0.616  |
|  | Comprehensive knowledge about HIV prevention among young people (Men)     | TM.29         | -                  | 0.5812                       | 0.0393                                   | 0.068                         | 2.011  | 1.418          | 317              | 318                                   | 0.503                                 | 0.660  |
|  | Discriminatory attitudes towards people living with HIV (Women)           | TM.31         | -                  | 0.1885                       | 0.0182                                   | 0.096                         | 6.695  | 2.588          | 2,755            | 3,098                                 | 0.152                                 | 0.225  |
|  | Discriminatory attitudes towards people living with HIV (Men)             | TM.31         | -                  | 0.2378                       | 0.0304                                   | 0.128                         | 7.089  | 2.663          | 1,238            | 1,396                                 | 0.177                                 | 0.299  |
| <b>Thrive - Child health, nutrition and development</b>  |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|  | Diphtheria, tetanus and pertussis (DTP) immunization coverage             | TC.3          | 3.b.1&3.8.1        | 0.9139                       | 0.0256                                   | 0.028                         | 2.940  | 1.715          | 414              | 355                                   | 0.863                                 | 0.965  |
|  | Polio immunization coverage   | TC.S1         | -                  | 0.9203                       | 0.0240                                   | 0.026                         | 2.774  | 1.665          | 414              | 355                                   | 0.872                                 | 0.968  |
|  | Measles immunization coverage   | TC.10         | 3.b.1              | 0.9281                       | 0.0252                                   | 0.027                         | 3.365  | 1.834          | 414              | 355                                   | 0.878                                 | 0.978  |
|  | Primary reliance on clean fuels and technologies for cooking and lighting | TC.18         | 7.1.2              | 0.7833                       | 0.0150                                   | 0.019                         | 6.677  | 2.584          | 12,504           | 5,065                                 | 0.753                                 | 0.813  |
|  | Early initiation of breastfeeding   | TC.31         | -                  | 0.3536                       | 0.0451                                   | 0.127                         | 3.981  | 1.995          | 186              | 449                                   | 0.263                                 | 0.444  |
|  | Exclusive breastfeeding under 6 months                                    | TC.32         | -                  | 0.3462                       | 0.0651                                   | 0.188                         | 1.125  | 1.060          | 78               | 61                                    | 0.216                                 | 0.476  |
|  | Predominant breastfeeding under 6 months                                  | TC.33         | -                  | 0.5495                       | 0.0442                                   | 0.080                         | 0.474  | 0.688          | 78               | 61                                    | 0.461                                 | 0.638  |
|  | Age-appropriate breastfeeding   | TC.37         | -                  | 0.2633                       | 0.0345                                   | 0.131                         | 3.225  | 1.796          | 616              | 528                                   | 0.194                                 | 0.332  |
|  | Underweight prevalence (moderate and severe)                              | TC.44a        | -                  | 0.0588                       | 0.0098                                   | 0.167                         | 3.149  | 1.774          | 1,768            | 1,802                                 | 0.039                                 | 0.079  |
|  | Stunting prevalence (moderate and severe)                                 | TC.45a        | 2.2.1              | 0.1471                       | 0.0187                                   | 0.127                         | 4.898  | 2.213          | 1,751            | 1,755                                 | 0.110                                 | 0.185  |
|  | Wasting prevalence (moderate and severe)                                  | TC.46a        | 2.2.2              | 0.0578                       | 0.0103                                   | 0.178                         | 3.347  | 1.830          | 1,711            | 1,723                                 | 0.037                                 | 0.078  |
|  | Overweight prevalence (moderate and severe)                               | TC.47a        | 2.2.2              | 0.1217                       | 0.0179                                   | 0.147                         | 5.172  | 2.274          | 1,711            | 1,723                                 | 0.086                                 | 0.158  |
|  | Early stimulation and responsive care by any adult household member       | TC.49a        | -                  | 0.8485                       | 0.0225                                   | 0.027                         | 5.251  | 2.291          | 1,216            | 1,329                                 | 0.803                                 | 0.894  |

| Table SE.6: Sampling errors: North (continued)   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
|--|----------------|-----------------------|--------------------|------------------------------|--|-------------------------------|--|----------------|------------------|---------------------------------------|---------------------------------------|
| Standard errors, coefficients of variation, design effects ( <i>deff</i> ), square root of design effects ( <i>deft</i> ), and confidence intervals for selected SDG and MICS indicators, Thailand, 2022 |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
|  | MICS Indicator | SDG Indicator         | Value ( <i>r</i> ) | Standard error ( <i>se</i> ) | Coefficient of variation ( <i>se/r</i> ) | Design effect ( <i>deff</i> ) | Square root of design effect ( <i>deft</i> ) | Weighted count | Unweighted count | Confidence limits                     |                                       |
|  |                |                       |                    |                              |  |                               |  |                |                  | Lower bound<br><i>r</i> - 2 <i>se</i> | Upper bound<br><i>r</i> + 2 <i>se</i> |
| Early stimulation and responsive care by father  | TC.49b         | -                     | 0.2837             | 0.0248                       | 0.087                                    | 4.022                         | 2.006  | 1,216          | 1,329            | 0.234                                 | 0.333                                 |
| Early stimulation and responsive care by mother  | TC.49c         | -                     | 0.6148             | 0.0290                       | 0.047                                    | 4.714                         | 2.171  | 1,216          | 1,329            | 0.557                                 | 0.673                                 |
| Availability of children's books   | TC.50          | -                     | 0.3815             | 0.0326                       | 0.085                                    | 8.366                         | 2.892  | 1,832          | 1,857            | 0.316                                 | 0.447                                 |
| Availability of playthings   | TC.51          | -                     | 0.8525             | 0.0192                       | 0.022                                    | 5.431                         | 2.331  | 1,832          | 1,857            | 0.814                                 | 0.891                                 |
| Availability of electronic device as playthings  | TC.S3          | -                     | 0.6528             | 0.0231                       | 0.035                                    | 4.376                         | 2.092  | 1,832          | 1,857            | 0.607                                 | 0.699                                 |
| Early child development index (ECDI2030)   | TC.53          | 4.2.1                 | 0.7330             | 0.0267                       | 0.036                                    | 4.820                         | 2.195  | 1,216          | 1,329            | 0.680                                 | 0.786                                 |
| <b>Learn</b>   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Participation rate in organised learning (adjusted)  | LN.2           | 4.2.2                 | 0.9252             | 0.0339                       | 0.037                                    | 5.499                         | 2.345  | 120            | 332              | 0.857                                 | 0.993                                 |
| Completion rate (Primary)  | LN.8a          |                       | 0.9818             | 0.0073                       | 0.007                                    | 1.465                         | 1.211  | 412            | 496              | 0.967                                 | 0.996                                 |
| Completion rate (Lower secondary)  | LN.8b          |                       | 0.8889             | 0.0151                       | 0.017                                    | 0.959                         | 0.980  | 355            | 418              | 0.859                                 | 0.919                                 |
| Completion rate (Upper secondary)  | LN.8c          |                       | 0.6343             | 0.0545                       | 0.086                                    | 4.427                         | 2.104  | 249            | 347              | 0.525                                 | 0.743                                 |
| <b>Protected from violence and exploitation</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Birth registration   | PR.1           | 16.9.1                | 0.9978             | 0.0016                       | 0.002                                    | 2.177                         | 1.475  | 1,832          | 1,857            | 0.995                                 | 1.000                                 |
| Violent discipline   | PR.2           | 16.2.1                | 0.5797             | 0.0195                       | 0.034                                    | 5.448                         | 2.334  | 3,777          | 3,480            | 0.541                                 | 0.619                                 |
| Child marriage (before age 15, women age 20-24)  | PR.4a          | 5.3.1                 | 0.1086             | 0.0226                       | 0.209                                    | 1.673                         | 1.294  | 228            | 317              | 0.063                                 | 0.154                                 |
| Child marriage (before age 18, women age 20-24)  | PR.4b          | 5.3.1                 | 0.2444             | 0.0336                       | 0.138                                    | 1.934                         | 1.391  | 228            | 317              | 0.177                                 | 0.312                                 |
| Safety (women)   | PR.14          | 16.1.4                | 0.8077             | 0.0164                       | 0.020                                    | 5.750                         | 2.398  | 2,837          | 3,327            | 0.775                                 | 0.840                                 |
| Safety (men)   | PR.14          | 16.1.4                | 0.9324             | 0.0107                       | 0.012                                    | 2.793                         | 1.671  | 1,280          | 1,527            | 0.911                                 | 0.954                                 |
| <b>Live in a safe and clean environment</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Use of basic drinking water services   | WS.2           | 1.4.1                 | 0.9934             | 0.0026                       | 0.003                                    | 5.067                         | 2.251  | 12,504         | 5,065            | 0.988                                 | 0.999                                 |
| Handwashing facility with water and soap   | WS.7           | 1.4.1&6.2.1           | 0.9331             | 0.0075                       | 0.008                                    | 4.505                         | 2.123  | 12,308         | 4,977            | 0.918                                 | 0.948                                 |
| Use of improved sanitation facilities  | WS.8           |                       | 0.9981             | 0.0005                       | 0.001                                    | 0.817                         | 0.904  | 12,504         | 5,065            | 0.997                                 | 0.999                                 |
| Use of basic sanitation services   | WS.9           | 1.4.1 & 3.8.1 & 6.2.1 | 0.9861             | 0.0037                       | 0.004                                    | 5.058                         | 2.249  | 12,504         | 5,065            | 0.979                                 | 0.993                                 |
| Removal of excreta for treatment off-site  | WS.11          | 6.2.1                 | 0.5266             | 0.0202                       | 0.038                                    | 8.288                         | 2.879  | 12,504         | 5,065            | 0.486                                 | 0.567                                 |
| <b>Equitable chance in life</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Population covered by social transfers   | EQ.3           | 1.3.1                 | 0.8308             | 0.0134                       | 0.016                                    | 6.502                         | 2.550  | 12,504         | 5,065            | 0.804                                 | 0.858                                 |
| Discrimination (women)   | EQ.7           | 10.3.1&16.b.1         | 0.0936             | 0.0129                       | 0.138                                    | 6.541                         | 2.557  | 2,837          | 3,327            | 0.068                                 | 0.119                                 |
| Discrimination (men)   | EQ.7           | 10.3.1&16.b.1         | 0.1384             | 0.0196                       | 0.142                                    | 4.932                         | 2.221  | 1,280          | 1,527            | 0.099                                 | 0.178                                 |
| na: not applicable   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |



| Table SE.7: Sampling errors: Northeast   |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|--|---|---------------|--------------------|------------------------------|--|-------------------------------|--|----------------|------------------|---------------------------------------|---------------------------------------|--------|
| Standard errors, coefficients of variation, design effects ( <i>deff</i> ), square root of design effects ( <i>deft</i> ), and confidence intervals for selected SDG and MICS indicators, Thailand, 2022 |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|  | MICS Indicator  | SDG Indicator | Value ( <i>r</i> ) | Standard error ( <i>se</i> ) | Coefficient of variation ( <i>se/r</i> ) | Design effect ( <i>deff</i> ) | Square root of design effect ( <i>deft</i> ) | Weighted count | Unweighted count | Confidence limits                     |                                       |        |
|  |   |               |                    |                              |  |                               |  |                |                  | Lower bound<br><i>r</i> - 2 <i>se</i> | Upper bound<br><i>r</i> + 2 <i>se</i> |        |
| <b>Sample coverage and characteristics of the respondents</b>  |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|  | Access to electricity   | SR.1          | 7.1.1              | 1.0000                       | 0.0000                                   | 0.000                         | na   | na             | 20,982           | 8,638                                 | 1.000                                 | 1.000  |
|  | Access to the internet at home  | SR.8          | -                  | 0.7461                       | 0.0114                                   | 0.015                         | 5.976  | 2.445          | 7,269            | 8,638                                 | 0.723                                 | 0.769  |
|  | Ownership of mobile phone   | -             | -                  | 0.9446                       | 0.0041                                   | 0.004                         | 2.825  | 1.681          | 7,269            | 8,638                                 | 0.936                                 | 0.953  |
| <b>Thrive - Reproductive and maternal health</b>   |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|  | Total fertility rate (number of live births)                              | -             | -                  | 1.2241                       | 0.1753                                   | 0.143                         | na   | na             | na               | na                                    | 0.873                                 | 1.575  |
|  | Adolescent birth rate (per 1,000 adolescent women)                        | TM.1          | 3.7.2              | 15.3301                      | 4.6943                                   | 0.306                         | na   | na             | na               | na                                    | 5.942                                 | 24.719 |
|  | Early childbearing  | TM.2          | -                  | 0.0872                       | 0.0143                                   | 0.163                         | 1.549  | 1.245          | 473              | 608                                   | 0.059                                 | 0.116  |
|  | Contraceptive prevalence rate   | TM.3          | -                  | 0.7378                       | 0.0174                                   | 0.024                         | 5.926  | 2.434          | 2,759            | 3,807                                 | 0.703                                 | 0.773  |
|  | Unmet need for family planning  | -             | -                  | 0.1016                       | 0.0121                                   | 0.119                         | 6.109  | 2.472          | 2,759            | 3,807                                 | 0.077                                 | 0.126  |
|  | Need for family planning satisfied with modern contraception              | TM.4          | 3.7.1&3.8.1        | 0.8679                       | 0.0149                                   | 0.017                         | 6.455  | 2.541          | 2,316            | 3,349                                 | 0.838                                 | 0.898  |
|  | Antenatal care coverage (at least once by skilled health personnel)       | TM.5a         | -                  | 0.9968                       | 0.0013                                   | 0.001                         | 0.406  | 0.638          | 288              | 739                                   | 0.994                                 | 0.999  |
|  | Antenatal care coverage (at least four times by any provider)             | TM.5b         | -                  | 0.9126                       | 0.0153                                   | 0.017                         | 2.154  | 1.468          | 288              | 739                                   | 0.882                                 | 0.943  |
|  | Skilled attendant at delivery   | TM.9          | 3.1.2              | 1.0000                       | 0.0000                                   | 0.000                         | na   | na             | 288              | 739                                   | 1.000                                 | 1.000  |
|  | Comprehensive knowledge about HIV prevention among young people (Women)   | TM.29         | -                  | 0.5273                       | 0.0264                                   | 0.050                         | 3.522  | 1.877          | 1,205            | 1,265                                 | 0.475                                 | 0.580  |
|  | Comprehensive knowledge about HIV prevention among young people (Men)     | TM.29         | -                  | 0.5336                       | 0.0366                                   | 0.069                         | 3.163  | 1.779          | 566              | 590                                   | 0.460                                 | 0.607  |
|  | Discriminatory attitudes towards people living with HIV (Women)           | TM.31         | -                  | 0.2918                       | 0.0176                                   | 0.060                         | 8.216  | 2.866          | 4,664            | 5,459                                 | 0.256                                 | 0.327  |
|  | Discriminatory attitudes towards people living with HIV (Men)             | TM.31         | -                  | 0.2738                       | 0.0206                                   | 0.075                         | 5.106  | 2.260          | 1,959            | 2,385                                 | 0.233                                 | 0.315  |
| <b>Thrive - Child health, nutrition and development</b>  |   |               |                    |                              |  |                               |  |                |                  |                                       |                                       |        |
|  | Diphtheria, tetanus and pertussis (DTP) immunization coverage             | TC.3          | 3.b.1&3.8.1        | 0.9378                       | 0.0111                                   | 0.012                         | 1.347  | 1.161          | 648              | 643                                   | 0.916                                 | 0.960  |
|  | Polio immunization coverage   | TC.S1         | -                  | 0.9465                       | 0.0095                                   | 0.010                         | 1.153  | 1.074          | 648              | 643                                   | 0.927                                 | 0.966  |
|  | Measles immunization coverage   | TC.10         | 3.b.1              | 0.9640                       | 0.0092                                   | 0.010                         | 1.575  | 1.255          | 648              | 643                                   | 0.946                                 | 0.982  |
|  | Primary reliance on clean fuels and technologies for cooking and lighting | TC.18         | 7.1.2              | 0.6482                       | 0.0140                                   | 0.022                         | 7.442  | 2.728          | 20,982           | 8,638                                 | 0.620                                 | 0.676  |
|  | Early initiation of breastfeeding   | TC.31         | -                  | 0.2621                       | 0.0443                                   | 0.169                         | 7.496  | 2.738          | 288              | 739                                   | 0.173                                 | 0.351  |
|  | Exclusive breastfeeding under 6 months                                    | TC.32         | -                  | 0.4451                       | 0.0745                                   | 0.167                         | 2.047  | 1.431          | 163              | 92                                    | 0.296                                 | 0.594  |
|  | Predominant breastfeeding under 6 months                                  | TC.33         | -                  | 0.5259                       | 0.0703                                   | 0.134                         | 1.802  | 1.342          | 163              | 92                                    | 0.385                                 | 0.666  |
|  | Age-appropriate breastfeeding   | TC.37         | -                  | 0.2658                       | 0.0273                                   | 0.103                         | 3.890  | 1.972          | 1,107            | 1,023                                 | 0.211                                 | 0.320  |
|  | Underweight prevalence (moderate and severe)                              | TC.44a        | -                  | 0.0596                       | 0.0081                                   | 0.135                         | 3.711  | 1.926          | 3,202            | 3,192                                 | 0.043                                 | 0.076  |
|  | Stunting prevalence (moderate and severe)                                 | TC.45a        | 2.2.1              | 0.1307                       | 0.0111                                   | 0.085                         | 3.429  | 1.852          | 3,187            | 3,165                                 | 0.109                                 | 0.153  |
|  | Wasting prevalence (moderate and severe)                                  | TC.46a        | 2.2.2              | 0.0589                       | 0.0069                                   | 0.118                         | 2.690  | 1.640          | 3,135            | 3,105                                 | 0.045                                 | 0.073  |
|  | Overweight prevalence (moderate and severe)                               | TC.47a        | 2.2.2              | 0.1213                       | 0.0138                                   | 0.114                         | 5.526  | 2.351          | 3,135            | 3,105                                 | 0.094                                 | 0.149  |
|  | Early stimulation and responsive care by any adult household member       | TC.49a        | -                  | 0.8518                       | 0.0229                                   | 0.027                         | 9.410  | 3.068          | 2,152            | 2,263                                 | 0.806                                 | 0.898  |

| Table SE.7: Sampling errors: Northeast (continued)   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
|--|----------------|-----------------------|--------------------|------------------------------|--|-------------------------------|--|----------------|------------------|---------------------------------------|---------------------------------------|
| Standard errors, coefficients of variation, design effects ( <i>deff</i> ), square root of design effects ( <i>deft</i> ), and confidence intervals for selected SDG and MICS indicators, Thailand, 2022 |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
|  | MICS Indicator | SDG Indicator         | Value ( <i>r</i> ) | Standard error ( <i>se</i> ) | Coefficient of variation ( <i>se/r</i> ) | Design effect ( <i>deff</i> ) | Square root of design effect ( <i>deft</i> ) | Weighted count | Unweighted count | Confidence limits                     |                                       |
|  |                |                       |                    |                              |  |                               |  |                |                  | Lower bound<br><i>r</i> - 2 <i>se</i> | Upper bound<br><i>r</i> + 2 <i>se</i> |
| Early stimulation and responsive care by father  | TC.49b         | -                     | 0.2003             | 0.0177                       | 0.088                                    | 4.405                         | 2.099  | 2,152          | 2,263            | 0.165                                 | 0.236                                 |
| Early stimulation and responsive care by mother  | TC.49c         | -                     | 0.5186             | 0.0208                       | 0.040                                    | 3.930                         | 1.982  | 2,152          | 2,263            | 0.477                                 | 0.560                                 |
| Availability of children's books   | TC.50          | -                     | 0.3304             | 0.0194                       | 0.059                                    | 5.604                         | 2.367  | 3,259          | 3,286            | 0.292                                 | 0.369                                 |
| Availability of playthings   | TC.51          | -                     | 0.8446             | 0.0176                       | 0.021                                    | 7.783                         | 2.790  | 3,259          | 3,286            | 0.809                                 | 0.880                                 |
| Availability of electronic device as playthings  | TC.S3          | -                     | 0.6345             | 0.0177                       | 0.028                                    | 4.454                         | 2.110  | 3,259          | 3,286            | 0.599                                 | 0.670                                 |
| Early child development index (ECDI2030)   | TC.53          | 4.2.1                 | 0.7420             | 0.0215                       | 0.029                                    | 5.484                         | 2.342  | 2,152          | 2,263            | 0.699                                 | 0.785                                 |
| <b>Learn</b>   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Participation rate in organised learning (adjusted)  | LN.2           | 4.2.2                 | 0.8599             | 0.0366                       | 0.043                                    | 6.546                         | 2.559  | 222            | 590              | 0.787                                 | 0.933                                 |
| Completion rate (Primary)  | LN.8a          |                       | 0.9891             | 0.0054                       | 0.005                                    | 2.613                         | 1.616  | 822            | 957              | 0.978                                 | 1.000                                 |
| Completion rate (Lower secondary)  | LN.8b          |                       | 0.9091             | 0.0166                       | 0.018                                    | 2.464                         | 1.570  | 647            | 744              | 0.876                                 | 0.942                                 |
| Completion rate (Upper secondary)  | LN.8c          |                       | 0.6526             | 0.0317                       | 0.049                                    | 2.801                         | 1.674  | 463            | 632              | 0.589                                 | 0.716                                 |
| <b>Protected from violence and exploitation</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Birth registration   | PR.1           | 16.9.1                | 0.9999             | 0.0001                       | 0.000                                    | 0.375                         | 0.612  | 3,259          | 3,286            | 1.000                                 | 1.000                                 |
| Violent discipline   | PR.2           | 16.2.1                | 0.5474             | 0.0210                       | 0.038                                    | 11.270                        | 3.357  | 7,081          | 6,350            | 0.505                                 | 0.589                                 |
| Child marriage (before age 15, women age 20-24)  | PR.4a          | 5.3.1                 | 0.0378             | 0.0108                       | 0.285                                    | 1.942                         | 1.393  | 473            | 608              | 0.016                                 | 0.059                                 |
| Child marriage (before age 18, women age 20-24)  | PR.4b          | 5.3.1                 | 0.1717             | 0.0247                       | 0.144                                    | 2.599                         | 1.612  | 473            | 608              | 0.122                                 | 0.221                                 |
| Safety (women)   | PR.14          | 16.1.4                | 0.7934             | 0.0145                       | 0.018                                    | 7.259                         | 2.694  | 4,778          | 5,664            | 0.764                                 | 0.822                                 |
| Safety (men)   | PR.14          | 16.1.4                | 0.9175             | 0.0109                       | 0.012                                    | 3.963                         | 1.991  | 2,084          | 2,516            | 0.896                                 | 0.939                                 |
| <b>Live in a safe and clean environment</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Use of basic drinking water services   | WS.2           | 1.4.1                 | 0.9993             | 0.0003                       | 0.000                                    | 1.457                         | 1.207  | 20,982         | 8,638            | 0.999                                 | 1.000                                 |
| Handwashing facility with water and soap   | WS.7           | 1.4.1&6.2.1           | 0.9328             | 0.0063                       | 0.007                                    | 5.265                         | 2.295  | 20,445         | 8,351            | 0.920                                 | 0.945                                 |
| Use of improved sanitation facilities  | WS.8           |                       | 0.9994             | 0.0002                       | 0.000                                    | 0.742                         | 0.862  | 20,982         | 8,638            | 0.999                                 | 1.000                                 |
| Use of basic sanitation services   | WS.9           | 1.4.1 & 3.8.1 & 6.2.1 | 0.9941             | 0.0013                       | 0.001                                    | 2.661                         | 1.631  | 20,982         | 8,638            | 0.991                                 | 0.997                                 |
| Removal of excreta for treatment off-site  | WS.11          | 6.2.1                 | 0.8762             | 0.0101                       | 0.011                                    | 8.047                         | 2.837  | 20,982         | 8,638            | 0.856                                 | 0.896                                 |
| <b>Equitable chance in life</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Population covered by social transfers   | EQ.3           | 1.3.1                 | 0.7449             | 0.0122                       | 0.016                                    | 6.819                         | 2.611  | 20,982         | 8,638            | 0.720                                 | 0.769                                 |
| Discrimination (women)   | EQ.7           | 10.3.1&16.b.1         | 0.0873             | 0.0090                       | 0.104                                    | 5.813                         | 2.411  | 4,778          | 5,664            | 0.069                                 | 0.105                                 |
| Discrimination (men)   | EQ.7           | 10.3.1&16.b.1         | 0.0890             | 0.0097                       | 0.109                                    | 2.929                         | 1.712  | 2,084          | 2,516            | 0.070                                 | 0.108                                 |
| na: not applicable   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |

| Table SE.8: Sampling errors: South   |                |               |                    |                              |  |                               |  |                |                  |                                       |                                       |
|--|----------------|---------------|--------------------|------------------------------|--|-------------------------------|--|----------------|------------------|---------------------------------------|---------------------------------------|
| Standard errors, coefficients of variation, design effects ( <i>deff</i> ), square root of design effects ( <i>deft</i> ), and confidence intervals for selected SDG and MICS indicators, Thailand, 2022 |                |               |                    |                              |  |                               |  |                |                  |                                       |                                       |
|  | MICS Indicator | SDG Indicator | Value ( <i>r</i> ) | Standard error ( <i>se</i> ) | Coefficient of variation ( <i>se/r</i> ) | Design effect ( <i>deff</i> ) | Square root of design effect ( <i>deft</i> ) | Weighted count | Unweighted count | Confidence limits                     |                                       |
|  |                |               |                    |                              |  |                               |  |                |                  | Lower bound<br><i>r</i> - 2 <i>se</i> | Upper bound<br><i>r</i> + 2 <i>se</i> |
| <b>Sample coverage and characteristics of the respondents</b>  |                |               |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Access to electricity  | SR.1           | 7.1.1         | 0.9992             | 0.0005                       | 0.001                                    | 3.030                         | 1.741  | 10,763         | 8,514            | 0.998                                 | 1.000                                 |
| Access to the internet at home   | SR.8           | -             | 0.8089             | 0.0120                       | 0.015                                    | 7.874                         | 2.806  | 3,835          | 8,514            | 0.785                                 | 0.833                                 |
| Ownership of mobile phone  | -              | -             | 0.9461             | 0.0055                       | 0.006                                    | 5.051                         | 2.247  | 3,835          | 8,514            | 0.935                                 | 0.957                                 |
| <b>Thrive - Reproductive and maternal health</b>   |                |               |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Total fertility rate (number of live births)   | -              | -             | 1.5533             | 0.2290                       | 0.147                                    | na                            | na   | na             | na               | 1.095                                 | 2.011                                 |
| Adolescent birth rate (per 1,000 adolescent women)   | TM.1           | 3.7.2         | 17.1828            | 5.9205                       | 0.345                                    | na                            | na   | na             | na               | 5.342                                 | 29.024                                |
| Early childbearing   | TM.2           | -             | 0.0777             | 0.0163                       | 0.209                                    | 2.809                         | 1.676  | 294            | 762              | 0.045                                 | 0.110                                 |
| Contraceptive prevalence rate  | TM.3           | -             | 0.6344             | 0.0217                       | 0.034                                    | 9.456                         | 3.075  | 1,799          | 4,668            | 0.591                                 | 0.678                                 |
| Unmet need for family planning   | -              | -             | 0.1106             | 0.0115                       | 0.103                                    | 6.218                         | 2.494  | 1,799          | 4,668            | 0.088                                 | 0.134                                 |
| Need for family planning satisfied with modern contraception   | TM.4           | 3.7.1&3.8.1   | 0.7967             | 0.0187                       | 0.023                                    | 7.973                         | 2.824  | 1,340          | 3,687            | 0.759                                 | 0.834                                 |
| Antenatal care coverage (at least once by skilled health personnel)  | TM.5a          | -             | 0.9947             | 0.0021                       | 0.002                                    | 0.953                         | 0.976  | 232            | 1,115            | 0.990                                 | 0.999                                 |
| Antenatal care coverage (at least four times by any provider)  | TM.5b          | -             | 0.9076             | 0.0397                       | 0.044                                    | 20.893                        | 4.571  | 232            | 1,115            | 0.828                                 | 0.987                                 |
| Skilled attendant at delivery  | TM.9           | 3.1.2         | 0.9887             | 0.0038                       | 0.004                                    | 1.436                         | 1.198  | 232            | 1,115            | 0.981                                 | 0.996                                 |
| Comprehensive knowledge about HIV prevention among young people (Women)  | TM.29          | -             | 0.4670             | 0.0318                       | 0.068                                    | 6.238                         | 2.498  | 660            | 1,533            | 0.403                                 | 0.531                                 |
| Comprehensive knowledge about HIV prevention among young people (Men)  | TM.29          | -             | 0.4784             | 0.0390                       | 0.081                                    | 4.527                         | 2.128  | 360            | 744              | 0.400                                 | 0.556                                 |
| Discriminatory attitudes towards people living with HIV (Women)  | TM.31          | -             | 0.3193             | 0.0175                       | 0.055                                    | 8.798                         | 2.966  | 2,688          | 6,271            | 0.284                                 | 0.354                                 |
| Discriminatory attitudes towards people living with HIV (Men)  | TM.31          | -             | 0.2658             | 0.0232                       | 0.087                                    | 7.638                         | 2.764  | 1,234          | 2,782            | 0.219                                 | 0.312                                 |
| <b>Thrive - Child health, nutrition and development</b>  |                |               |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Diphtheria, tetanus and pertussis (DTP) immunization coverage  | TC.3           | 3.b.1&3.8.1   | 0.7550             | 0.0222                       | 0.029                                    | 1.731                         | 1.316  | 291            | 651              | 0.711                                 | 0.799                                 |
| Polio immunization coverage  | TC.S1          |               | 0.7628             | 0.0226                       | 0.030                                    | 1.830                         | 1.353  | 291            | 651              | 0.718                                 | 0.808                                 |
| Measles immunization coverage  | TC.10          | 3.b.1         | 0.8230             | 0.0217                       | 0.026                                    | 2.098                         | 1.448  | 291            | 651              | 0.780                                 | 0.866                                 |
| Primary reliance on clean fuels and technologies for cooking and lighting  | TC.18          | 7.1.2         | 0.9853             | 0.0030                       | 0.003                                    | 5.425                         | 2.329  | 10,763         | 8,514            | 0.979                                 | 0.991                                 |
| Early initiation of breastfeeding  | TC.31          | -             | 0.4334             | 0.0458                       | 0.106                                    | 9.530                         | 3.087  | 232            | 1,115            | 0.342                                 | 0.525                                 |
| Exclusive breastfeeding under 6 months   | TC.32          | -             | 0.3108             | 0.0582                       | 0.187                                    | 3.115                         | 1.765  | 135            | 198              | 0.194                                 | 0.427                                 |
| Predominant breastfeeding under 6 months   | TC.33          | -             | 0.4126             | 0.0508                       | 0.123                                    | 2.097                         | 1.448  | 135            | 198              | 0.311                                 | 0.514                                 |
| Age-appropriate breastfeeding  | TC.37          | -             | 0.3172             | 0.0252                       | 0.079                                    | 3.436                         | 1.854  | 658            | 1,177            | 0.267                                 | 0.368                                 |
| Underweight prevalence (moderate and severe)   | TC.44a         | -             | 0.0915             | 0.0081                       | 0.089                                    | 2.674                         | 1.635  | 1,697          | 3,381            | 0.075                                 | 0.108                                 |
| Stunting prevalence (moderate and severe)  | TC.45a         | 2.2.1         | 0.1259             | 0.0097                       | 0.077                                    | 2.828                         | 1.682  | 1,670          | 3,297            | 0.106                                 | 0.145                                 |
| Wasting prevalence (moderate and severe)   | TC.46a         | 2.2.2         | 0.1059             | 0.0093                       | 0.088                                    | 2.972                         | 1.724  | 1,626          | 3,261            | 0.087                                 | 0.125                                 |
| Overweight prevalence (moderate and severe)  | TC.47a         | 2.2.2         | 0.0768             | 0.0075                       | 0.097                                    | 2.561                         | 1.600  | 1,626          | 3,261            | 0.062                                 | 0.092                                 |
| Early stimulation and responsive care by any adult household member  | TC.49a         | -             | 0.8997             | 0.0122                       | 0.014                                    | 3.951                         | 1.988  | 1,139          | 2,385            | 0.875                                 | 0.924                                 |

| Table SE.8: Sampling errors: South (continued)   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
|--|----------------|-----------------------|--------------------|------------------------------|--|-------------------------------|--|----------------|------------------|---------------------------------------|---------------------------------------|
| Standard errors, coefficients of variation, design effects ( <i>deff</i> ), square root of design effects ( <i>deft</i> ), and confidence intervals for selected SDG and MICS indicators, Thailand, 2022 |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
|  | MICS Indicator | SDG Indicator         | Value ( <i>r</i> ) | Standard error ( <i>se</i> ) | Coefficient of variation ( <i>se/r</i> ) | Design effect ( <i>deff</i> ) | Square root of design effect ( <i>deft</i> ) | Weighted count | Unweighted count | Confidence limits                     |                                       |
|  |                |                       |                    |                              |  |                               |  |                |                  | Lower bound<br><i>r</i> - 2 <i>se</i> | Upper bound<br><i>r</i> + 2 <i>se</i> |
| Early stimulation and responsive care by father  | TC.49b         | -                     | 0.3728             | 0.0245                       | 0.066                                    | 6.096                         | 2.469  | 1,139          | 2,385            | 0.324                                 | 0.422                                 |
| Early stimulation and responsive care by mother  | TC.49c         | -                     | 0.7721             | 0.0187                       | 0.024                                    | 4.723                         | 2.173  | 1,139          | 2,385            | 0.735                                 | 0.809                                 |
| Availability of children's books   | TC.50          | -                     | 0.2796             | 0.0169                       | 0.060                                    | 5.047                         | 2.246  | 1,797          | 3,562            | 0.246                                 | 0.313                                 |
| Availability of playthings   | TC.51          | -                     | 0.8581             | 0.0127                       | 0.015                                    | 4.703                         | 2.169  | 1,797          | 3,562            | 0.833                                 | 0.883                                 |
| Availability of electronic device as playthings  | TC.S3          | -                     | 0.6042             | 0.0223                       | 0.037                                    | 7.389                         | 2.718  | 1,797          | 3,562            | 0.560                                 | 0.649                                 |
| Early child development index (ECDI2030)   | TC.S3          | 4.2.1                 | 0.8191             | 0.0141                       | 0.017                                    | 3.178                         | 1.783  | 1,139          | 2,385            | 0.791                                 | 0.847                                 |
| <b>Learn</b>   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Participation rate in organised learning (adjusted)  | LN.2           | 4.2.2                 | 0.8677             | 0.0211                       | 0.024                                    | 2.736                         | 1.654  | 147            | 705              | 0.825                                 | 0.910                                 |
| Completion rate (Primary)  | LN.8a          |                       | 0.9742             | 0.0040                       | 0.004                                    | 0.701                         | 0.838  | 438            | 1,079            | 0.966                                 | 0.982                                 |
| Completion rate (Lower secondary)  | LN.8b          |                       | 0.7758             | 0.0331                       | 0.043                                    | 5.331                         | 2.309  | 311            | 848              | 0.710                                 | 0.842                                 |
| Completion rate (Upper secondary)  | LN.8c          |                       | 0.6506             | 0.0432                       | 0.066                                    | 7.040                         | 2.653  | 309            | 857              | 0.564                                 | 0.737                                 |
| <b>Protected from violence and exploitation</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Birth registration   | PR.1           | 16.9.1                | 0.9979             | 0.0012                       | 0.001                                    | 2.601                         | 1.613  | 1,797          | 3,562            | 0.996                                 | 1.000                                 |
| Violent discipline   | PR.2           | 16.2.1                | 0.6049             | 0.0171                       | 0.028                                    | 7.789                         | 2.791  | 3,685          | 6,370            | 0.571                                 | 0.639                                 |
| Child marriage (before age 15, women age 20-24)  | PR.4a          | 5.3.1                 | 0.0440             | 0.0147                       | 0.335                                    | 3.927                         | 1.982  | 294            | 762              | 0.015                                 | 0.074                                 |
| Child marriage (before age 18, women age 20-24)  | PR.4b          | 5.3.1                 | 0.1718             | 0.0187                       | 0.109                                    | 1.865                         | 1.366  | 294            | 762              | 0.134                                 | 0.209                                 |
| Safety (women)   | PR.14          | 16.1.4                | 0.7556             | 0.0237                       | 0.031                                    | 20.592                        | 4.538  | 2,846          | 6,755            | 0.708                                 | 0.803                                 |
| Safety (men)   | PR.14          | 16.1.4                | 0.9306             | 0.0150                       | 0.016                                    | 10.756                        | 3.280  | 1,340          | 3,100            | 0.901                                 | 0.961                                 |
| <b>Live in a safe and clean environment</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Use of basic drinking water services   | WS.2           | 1.4.1                 | 0.9843             | 0.0038                       | 0.004                                    | 8.053                         | 2.838  | 10,763         | 8,514            | 0.977                                 | 0.992                                 |
| Handwashing facility with water and soap   | WS.7           | 1.4.1&6.2.1           | 0.8374             | 0.0132                       | 0.016                                    | 10.338                        | 3.215  | 10,353         | 8,066            | 0.811                                 | 0.864                                 |
| Use of improved sanitation facilities  | WS.8           |                       | 0.9964             | 0.0015                       | 0.001                                    | 5.051                         | 2.247  | 10,763         | 8,514            | 0.993                                 | 0.999                                 |
| Use of basic sanitation services   | WS.9           | 1.4.1 & 3.8.1 & 6.2.1 | 0.9773             | 0.0046                       | 0.005                                    | 7.970                         | 2.823  | 10,763         | 8,514            | 0.968                                 | 0.986                                 |
| Removal of excreta for treatment off-site  | WS.11          | 6.2.1                 | 0.3079             | 0.0153                       | 0.050                                    | 9.352                         | 3.058  | 10,763         | 8,514            | 0.277                                 | 0.338                                 |
| <b>Equitable chance in life</b>  |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |
| Population covered by social transfers   | EQ.3           | 1.3.1                 | 0.7212             | 0.0158                       | 0.022                                    | 10.594                        | 3.255  | 10,763         | 8,514            | 0.690                                 | 0.753                                 |
| Discrimination (women)   | EQ.7           | 10.3.1&16.b.1         | 0.1191             | 0.0211                       | 0.177                                    | 28.559                        | 5.344  | 2,846          | 6,755            | 0.077                                 | 0.161                                 |
| Discrimination (men)   | EQ.7           | 10.3.1&16.b.1         | 0.1590             | 0.0269                       | 0.169                                    | 16.723                        | 4.089  | 1,340          | 3,100            | 0.105                                 | 0.213                                 |
| na: not applicable   |                |                       |                    |                              |  |                               |  |                |                  |                                       |                                       |



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## APPENDIX C DATA QUALITY

### C.1 AGE DISTRIBUTION

| Table DQ.1.1: Age distribution of household population                                   |        |         |         |         |              |               |              |               |              |
|--|--------|---------|---------|---------|--------------|---------------|--------------|---------------|--------------|
| Single-year age distribution of household population <sup>a</sup> by sex, Thailand, 2022 |        |         |         |         |              |               |              |               |              |
|  | Males  |         | Females |         | Age          | Males         |              | Females       |              |
|  | Number | Percent | Number  | Percent |              | Number        | Percent      | Number        | Percent      |
| Age  |        |         |         |         | Age          |               |              |               |              |
| 0  | 265    | 0.7     | 233     | 0.6     | 45           | 648           | 1.7          | 645           | 1.6          |
| 1  | 305    | 0.8     | 298     | 0.7     | 46           | 553           | 1.5          | 588           | 1.4          |
| 2  | 387    | 1.0     | 295     | 0.7     | 47           | 570           | 1.5          | 657           | 1.6          |
| 3  | 364    | 1.0     | 326     | 0.8     | 48           | 542           | 1.4          | 623           | 1.5          |
| 4  | 378    | 1.0     | 318     | 0.8     | 49           | 517           | 1.4          | 553           | 1.3          |
| 5  | 391    | 1.0     | 369     | 0.9     | 50           | 705           | 1.8          | 952           | 2.3          |
| 6  | 351    | 0.9     | 352     | 0.9     | 51           | 626           | 1.6          | 778           | 1.9          |
| 7  | 428    | 1.1     | 398     | 1.0     | 52           | 669           | 1.8          | 881           | 2.1          |
| 8  | 464    | 1.2     | 467     | 1.1     | 53           | 711           | 1.9          | 898           | 2.2          |
| 9  | 523    | 1.4     | 454     | 1.1     | 54           | 677           | 1.8          | 694           | 1.7          |
| 10   | 499    | 1.3     | 527     | 1.3     | 55           | 796           | 2.1          | 846           | 2.0          |
| 11   | 420    | 1.1     | 422     | 1.0     | 56           | 738           | 1.9          | 766           | 1.9          |
| 12   | 502    | 1.3     | 453     | 1.1     | 57           | 583           | 1.5          | 745           | 1.8          |
| 13   | 478    | 1.3     | 429     | 1.0     | 58           | 605           | 1.6          | 716           | 1.7          |
| 14   | 452    | 1.2     | 415     | 1.0     | 59           | 557           | 1.5          | 762           | 1.8          |
| 15   | 508    | 1.3     | 431     | 1.0     | 60           | 661           | 1.7          | 742           | 1.8          |
| 16   | 471    | 1.2     | 463     | 1.1     | 61           | 534           | 1.4          | 628           | 1.5          |
| 17   | 433    | 1.1     | 417     | 1.0     | 62           | 562           | 1.5          | 637           | 1.5          |
| 18   | 431    | 1.1     | 390     | 0.9     | 63           | 506           | 1.3          | 592           | 1.4          |
| 19   | 382    | 1.0     | 313     | 0.8     | 64           | 433           | 1.1          | 530           | 1.3          |
| 20   | 406    | 1.1     | 333     | 0.8     | 65           | 528           | 1.4          | 630           | 1.5          |
| 21   | 360    | 0.9     | 287     | 0.7     | 66           | 434           | 1.1          | 543           | 1.3          |
| 22   | 387    | 1.0     | 332     | 0.8     | 67           | 438           | 1.1          | 533           | 1.3          |
| 23   | 403    | 1.1     | 394     | 1.0     | 68           | 373           | 1.0          | 431           | 1.0          |
| 24   | 506    | 1.3     | 425     | 1.0     | 69           | 339           | 0.9          | 483           | 1.2          |
| 25   | 485    | 1.3     | 572     | 1.4     | 70           | 383           | 1.0          | 489           | 1.2          |
| 26   | 438    | 1.1     | 446     | 1.1     | 71           | 310           | 0.8          | 355           | 0.9          |
| 27   | 452    | 1.2     | 489     | 1.2     | 72           | 308           | 0.8          | 387           | 0.9          |
| 28   | 406    | 1.1     | 551     | 1.3     | 73           | 261           | 0.7          | 313           | 0.8          |
| 29   | 514    | 1.3     | 447     | 1.1     | 74           | 270           | 0.7          | 362           | 0.9          |
| 30   | 573    | 1.5     | 557     | 1.3     | 75           | 197           | 0.5          | 289           | 0.7          |
| 31   | 443    | 1.2     | 423     | 1.0     | 76           | 191           | 0.5          | 277           | 0.7          |
| 32   | 529    | 1.4     | 473     | 1.1     | 77           | 204           | 0.5          | 254           | 0.6          |
| 33   | 534    | 1.4     | 493     | 1.2     | 78           | 169           | 0.4          | 226           | 0.5          |
| 34   | 502    | 1.3     | 495     | 1.2     | 79           | 112           | 0.3          | 181           | 0.4          |
| 35   | 506    | 1.3     | 578     | 1.4     | 80           | 197           | 0.5          | 213           | 0.5          |
| 36   | 484    | 1.3     | 414     | 1.0     | 81           | 98            | 0.3          | 145           | 0.4          |
| 37   | 510    | 1.3     | 487     | 1.2     | 82           | 98            | 0.3          | 198           | 0.5          |
| 38   | 507    | 1.3     | 522     | 1.3     | 83           | 91            | 0.2          | 126           | 0.3          |
| 39   | 544    | 1.4     | 552     | 1.3     | 84           | 66            | 0.2          | 129           | 0.3          |
| 40   | 492    | 1.3     | 527     | 1.3     | 85+          | 383           | 1.0          | 723           | 1.7          |
| 41   | 516    | 1.4     | 565     | 1.4     |              |               |              |               |              |
| 42   | 532    | 1.4     | 553     | 1.3     |              |               |              |               |              |
| 43   | 541    | 1.4     | 573     | 1.4     |              |               |              |               |              |
| 44   | 486    | 1.3     | 599     | 1.4     |              |               |              |               |              |
|  |        |         |         |         | <b>Total</b> | <b>38,133</b> | <b>100.0</b> | <b>41,378</b> | <b>100.0</b> |

<sup>a</sup> As this table includes all household members listed in interviewed households, the numbers and distributions by sex do not match those found for interviewed individuals. Tables DQ.1.2W/M, DQ.1.3 and DQ.1.4 similarly use household sample weights and do not match distributions obtained through individual questionnaires.

**Table DQ.1.2W: Age distribution of eligible and interviewed women**

Household population of women age 10-54 years, interviewed women age 15-49 years, and percentage of eligible women who were interviewed, by five-year age groups, Thailand, 2022

|                      | Household population of women age 10-54 years |  | Interviewed women age 15-49 years |              | Percentage of eligible women interviewed (Completion rate) |
|----------------------|---|--|-----------------------------------|--------------|--|
|                      | Number  |  | Number                            | Percent      |  |
| <b>Age</b>           |   |  |                                   |              |  |
| 10-14                | 2,246   |  | na                                | na           | na   |
| 15-19                | 2,015   |  | 1,943                             | 11.7         | 96.4   |
| 20-24                | 1,771   |  | 1,694                             | 10.2         | 95.6   |
| 25-29                | 2,506   |  | 2,417                             | 14.5         | 96.4   |
| 30-34                | 2,441   |  | 2,369                             | 14.2         | 97.1   |
| 35-39                | 2,553   |  | 2,480                             | 14.9         | 97.1   |
| 40-44                | 2,816   |  | 2,755                             | 16.5         | 97.8   |
| 45-49                | 3,065   |  | 2,992                             | 18.0         | 97.6   |
| 50-54                | 4,203   |  | na                                | na           | na   |
| <b>Total (15-49)</b> | <b>17,167</b>                                 |  | <b>16,649</b>                     | <b>100.0</b> | <b>97.0</b>  |
| <b>Ratios</b>        |   |  |                                   |              |  |
| 10-14 to 15-19       | 1.11  |  | na                                | na           | na   |
| 50-54 to 45-49       | 1.37  |  | na                                | na           | na   |
| na: not applicable   |   |  |                                   |              |  |

**Table DQ.1.2M: Age distribution of eligible and interviewed men**

Household population of men age 10-54 years, in all households and in households selected for men's interviews, interviewed men age 15-49 years, and percentage of eligible men who were interviewed, by five-year age groups, Thailand, 2022

|                      | Household population of men age 10-54 years |                        | Interviewed men age 15-49 years |              | Percentage of eligible men interviewed (Completion rate) |
|----------------------|---|------------------------|---------------------------------|--------------|--|
|                      | In all households                           | In selected households | Number                          | Percent      |  |
|                      | Number                                      | Number                 |                                 |              |  |
| <b>Age</b>           |   |                        |                                 |              |  |
| 10-14                | 2,351                                       | 1,134                  | na                              | na           | na   |
| 15-19                | 2,224                                       | 1,102                  | 1,065                           | 13.1         | 96.6   |
| 20-24                | 2,062                                       | 1,022                  | 961                             | 11.8         | 94.1   |
| 25-29                | 2,295                                       | 1,147                  | 1,110                           | 13.6         | 96.8   |
| 30-34                | 2,581                                       | 1,300                  | 1,216                           | 14.9         | 93.6   |
| 35-39                | 2,551                                       | 1,213                  | 1,167                           | 14.3         | 96.2   |
| 40-44                | 2,567                                       | 1,358                  | 1,309                           | 16.1         | 96.5   |
| 45-49                | 2,830                                       | 1,395                  | 1,322                           | 16.2         | 94.8   |
| 50-54                | 3,389                                       | 1,679                  | na                              | na           | na   |
| <b>Total (15-49)</b> | <b>17,111</b>                               | <b>8,536</b>           | <b>8,151</b>                    | <b>100.0</b> | <b>95.5</b>  |
| <b>Ratios</b>        |   |                        |                                 |              |  |
| 10-14 to 15-19       | 1.06  | 1.03                   | na                              | na           | na   |
| 50-54 to 45-49       | 1.20  | 1.20                   | na                              | na           | na   |
| na: not applicable   |   |                        |                                 |              |  |

**Table DQ.1.3: Age distribution of young children in households and under-5 questionnaires**

Household population of children age 0-7 years, children age 0-4 years whose mothers/caretakers were interviewed, and percentage of under-5 children whose mothers/caretakers were interviewed, by single years of age, Thailand, 2022

| Age                | Household population of children 0-7 years | Under-5s with completed interviews |              | Percentage of eligible under-5s with completed interviews (Completion rate) |
|--------------------|--|------------------------------------|--------------|---|
|                    | Number                                     | Number                             | Percent      |   |
| 0                  | 498  | 487                                | 15.6         | 97.8  |
| 1                  | 603  | 595                                | 19.1         | 98.6  |
| 2                  | 681  | 675                                | 21.7         | 99.1  |
| 3                  | 690  | 677                                | 21.7         | 98.2  |
| 4                  | 695  | 683                                | 21.9         | 98.2  |
| 5                  | 760  | na                                 | na           | na  |
| 6                  | 704  | na                                 | na           | na  |
| 7                  | 827  | na                                 | na           | na  |
| <b>Total (0-4)</b> | <b>3,167</b>                               | <b>3,117</b>                       | <b>100.0</b> | <b>98.4</b>   |
| <b>Ratios</b>      |  |                                    |              |   |
| Ratio of 2 to 1    | 1.13                                       | na                                 | na           | na  |
| Ratio of 5 to 4    | 1.09                                       | na                                 | na           | na  |
| na: not applicable |  |                                    |              |   |

**Table DQ.1.4: Age distribution of children age 3-20 in households and 5-14 questionnaires**

Number of households with at least one member age 3-20 years, percent distribution of children selected for interview and number and percent of children age 5-14 years whose mothers/caretakers were interviewed, by single years of age, Thailand, 2022

| Age                 | Number of households with at least one household member age 3-20 years | Percent distribution of children selected for interview <sup>A</sup> | 5-14s with completed interviews |              | Percentage of eligible 5-14s with completed interviews (Completion rate) |
|---------------------|--|--|---------------------------------|--------------|--|
|                     |  |  | Number                          | Percent      |  |
| 3                   | 2,415  | na   | na                              | na           | na   |
| 4                   | 2,413  | na   | na                              | na           | na   |
| 5                   | 2,296  | 8.2  | 553                             | 8.3          | 99.1   |
| 6                   | 1,494  | 7.8  | 521                             | 7.8          | 98.4   |
| 7                   | 1,457  | 9.5  | 630                             | 9.4          | 98.2   |
| 8                   | 1,433  | 11.0   | 735                             | 11.0         | 98.5   |
| 9                   | 1,434  | 10.7   | 716                             | 10.7         | 98.4   |
| 10                  | 1,461  | 11.4   | 763                             | 11.4         | 98.2   |
| 11                  | 1,273  | 9.8  | 650                             | 9.8          | 98.2   |
| 12                  | 1,245  | 11.0   | 740                             | 11.1         | 99.0   |
| 13                  | 1,142  | 10.4   | 683                             | 10.2         | 96.7   |
| 14                  | 1,112  | 10.2   | 679                             | 10.2         | 98.3   |
| 15                  | 1,050  | na   | na                              | na           | na   |
| 16                  | 987  | na   | na                              | na           | na   |
| 17                  | 999  | na   | na                              | na           | na   |
| 18                  | 896  | na   | na                              | na           | na   |
| 19                  | 746  | na   | na                              | na           | na   |
| 20                  | 810  | na   | na                              | na           | na   |
| <b>Total (5-14)</b> | <b>14,347</b>  | <b>100.0</b>   | <b>6,669</b>                    | <b>100.0</b> | <b>98.3</b>  |



**Table DQ.1.4: Age distribution of children age 3-20 in households and 5-14 questionnaires (continued)**

Number of households with at least one member age 3-20 years, percent distribution of children selected for interview and number and percent of children age 5-14 years whose mothers/caretakers were interviewed, by single years of age, Thailand, 2022

|  | Number of households with at least one household member age 3-20 years | Percent distribution of children selected for interview <sup>A</sup> | 5-14s with completed interviews |         | Percentage of eligible 5-14s with completed interviews (Completion rate) |
|--|--|--|---------------------------------|---------|--|
|  |  |  | Number                          | Percent |  |
| <b>Ratios</b>  |  |  |                                 |         |  |
| Ratio of 4 to 5  | 1.05   | na   | na                              | na      | na   |
| Ratio of 6 to 7  | 1.03   | 0.82   | na                              | na      | na   |
| Ratio of 15 to 14  | 0.94   | na   | na                              | na      | na   |
| Ratio of 18 to 17  | 0.90   | na   | na                              | na      | na   |
| na: not applicable   |  |  |                                 |         |  |
| <sup>A</sup> Number of cases are used to calculate the 'Ratio of 6 to 7' |  |  |                                 |         |  |

**C.2 BIRTH DATE REPORTING****Table DQ.2.1: Birth date and age reporting (household population)**

Percent distribution of household population by completeness of date of birth information, Thailand, 2022

|               | Completeness of reporting of date of birth and age |                       |            |                   | Total        | Number of household members |
|---------------|--|-----------------------|------------|-------------------|--------------|-----------------------------|
|               | Year and month of birth                            | Year of birth and age | Age only   | DK/Missing/ Other |              |                             |
| <b>Total</b>  | <b>91.7</b>  | <b>7.9</b>            | <b>0.3</b> | <b>0.1</b>        | <b>100.0</b> | <b>79,511</b>               |
| <b>Area</b>   |  |                       |            |                   |              |                             |
| Urban         | 92.2   | 7.3                   | 0.4        | 0.1               | 100.0        | 40,204                      |
| Rural         | 91.2   | 8.6                   | 0.1        | 0.0               | 100.0        | 39,307                      |
| <b>Region</b> |  |                       |            |                   |              |                             |
| Bangkok       | 93.0   | 6.9                   | 0.0        | 0.0               | 100.0        | 10,855                      |
| Central       | 91.8   | 7.4                   | 0.6        | 0.2               | 100.0        | 24,408                      |
| North         | 88.0   | 11.8                  | 0.2        | 0.0               | 100.0        | 12,504                      |
| Northeast     | 93.9   | 6.0                   | 0.1        | 0.0               | 100.0        | 20,982                      |
| South         | 90.5   | 9.4                   | 0.1        | 0.0               | 100.0        | 10,763                      |
| <b>Age</b>    |  |                       |            |                   |              |                             |
| 0-4           | 99.7   | 0.3                   | 0.0        | 0.0               | 100.0        | 3,167                       |
| 5-14          | 99.1   | 0.8                   | 0.1        | 0.0               | 100.0        | 8,793                       |
| 15-24         | 97.1   | 2.5                   | 0.3        | 0.1               | 100.0        | 8,072                       |
| 25-49         | 96.3   | 3.4                   | 0.2        | 0.1               | 100.0        | 26,205                      |
| 50-64         | 92.5   | 7.1                   | 0.3        | 0.0               | 100.0        | 20,533                      |
| 65-84         | 72.5   | 26.9                  | 0.5        | 0.1               | 100.0        | 11,634                      |
| 85+           | 49.6   | 49.6                  | 0.8        | 0.0               | 100.0        | 1,106                       |

**Table DQ.2.2W: Birth date and age reporting (women)**

Percent distribution of women age 15-49 years by completeness of date of birth/age information, Thailand, 2022

|               | Completeness of reporting of date of birth and age |                       |            |                   | Total        | Number of women |
|---------------|--|-----------------------|------------|-------------------|--------------|-----------------|
|               | Year and month of birth                            | Year of birth and age | Age only   | DK/Missing/ Other |              |                 |
| <b>Total</b>  | <b>98.0</b>  | <b>1.9</b>            | <b>0.1</b> | <b>0.0</b>        | <b>100.0</b> | <b>21,089</b>   |
| <b>Area</b>   |  |                       |            |                   |              |                 |
| Urban         | 98.0   | 1.9                   | 0.1        | 0.0               | 100.0        | 11,566          |
| Rural         | 98.0   | 1.9                   | 0.1        | 0.0               | 100.0        | 9,523           |
| <b>Region</b> |  |                       |            |                   |              |                 |
| Bangkok       | 98.4   | 1.6                   | 0.0        | 0.0               | 100.0        | 3,464           |
| Central       | 98.0   | 1.8                   | 0.1        | 0.1               | 100.0        | 7,165           |
| North         | 94.3   | 5.6                   | 0.0        | 0.0               | 100.0        | 2,837           |
| Northeast     | 99.3   | 0.5                   | 0.2        | 0.0               | 100.0        | 4,778           |
| South         | 98.7   | 1.3                   | 0.0        | 0.0               | 100.0        | 2,846           |
| <b>Age</b>    |  |                       |            |                   |              |                 |
| 15-19         | 99.2   | 0.8                   | 0.0        | 0.0               | 100.0        | 2,442           |
| 20-24         | 98.3   | 1.5                   | 0.0        | 0.2               | 100.0        | 2,152           |
| 25-29         | 97.2   | 2.5                   | 0.3        | 0.0               | 100.0        | 3,073           |
| 30-34         | 98.2   | 1.7                   | 0.1        | 0.0               | 100.0        | 3,004           |
| 35-39         | 96.9   | 3.0                   | 0.1        | 0.0               | 100.0        | 3,146           |
| 40-44         | 98.5   | 1.5                   | 0.0        | 0.0               | 100.0        | 3,494           |
| 45-49         | 97.9   | 2.1                   | 0.0        | 0.0               | 100.0        | 3,778           |

**Table DQ.2.2M: Birth date and age reporting (men)**

Percent distribution of men age 15-49 years by completeness of date of birth/age information, Thailand, 2022

|               | Completeness of reporting of date of birth and age |                       |            |                   | Total        | Number of men |
|---------------|--|-----------------------|------------|-------------------|--------------|---------------|
|               | Year and month of birth                            | Year of birth and age | Age only   | DK/Missing/ Other |              |               |
| <b>Total</b>  | <b>97.9</b>  | <b>2.0</b>            | <b>0.1</b> | <b>0.0</b>        | <b>100.0</b> | <b>9,452</b>  |
| <b>Area</b>   |  |                       |            |                   |              |               |
| Urban         | 97.6   | 2.3                   | 0.1        | 0.0               | 100.0        | 5,185         |
| Rural         | 98.3   | 1.7                   | 0.0        | 0.0               | 100.0        | 4,267         |
| <b>Region</b> |  |                       |            |                   |              |               |
| Bangkok       | 98.0   | 2.0                   | 0.0        | 0.0               | 100.0        | 1,546         |
| Central       | 97.8   | 2.1                   | 0.2        | 0.0               | 100.0        | 3,201         |
| North         | 96.0   | 4.0                   | 0.0        | 0.0               | 100.0        | 1,280         |
| Northeast     | 99.2   | 0.8                   | 0.0        | 0.0               | 100.0        | 2,084         |
| South         | 97.9   | 2.1                   | 0.0        | 0.0               | 100.0        | 1,340         |
| <b>Age</b>    |  |                       |            |                   |              |               |
| 15-19         | 98.2   | 1.8                   | 0.0        | 0.0               | 100.0        | 1,213         |
| 20-24         | 98.8   | 1.0                   | 0.2        | 0.0               | 100.0        | 1,114         |
| 25-29         | 98.0   | 2.0                   | 0.0        | 0.0               | 100.0        | 1,307         |
| 30-34         | 98.4   | 1.6                   | 0.0        | 0.0               | 100.0        | 1,419         |
| 35-39         | 96.8   | 3.0                   | 0.2        | 0.0               | 100.0        | 1,355         |
| 40-44         | 98.2   | 1.8                   | 0.0        | 0.0               | 100.0        | 1,530         |
| 45-49         | 97.1   | 2.9                   | 0.0        | 0.0               | 100.0        | 1,515         |

**Table DQ.2.3: Birth date reporting (live births)**

Percent distribution of first and most recent live births to women age 15-49 years by completeness of date of birth (unimputed), Thailand, 2022

|               | Completeness of reporting of date of birth |                    |  |                    |              |                             |                         |                    |                    |              |                                   |
|---------------|--|--------------------|--|--------------------|--------------|-----------------------------|-------------------------|--------------------|--------------------|--------------|-----------------------------------|
|               | Date of first live birth                   |                    |  |                    |              | Number of first live births | Date of last live birth |                    |                    |              | Number of most recent live births |
|               | Year and month of birth                    | Year of birth only | Completed years since first birth only | DK/ Missing/ Other | Total        |                             | Year and month of birth | Year of birth only | DK/ Missing/ Other | Total        |                                   |
| <b>Total</b>  | <b>97.4</b>                                | <b>2.5</b>         | <b>0.0</b>                             | <b>0.0</b>         | <b>100.0</b> | <b>11,451</b>               | <b>98.3</b>             | <b>1.6</b>         | <b>0.0</b>         | <b>100.0</b> | <b>6,787</b>                      |
| <b>Area</b>   |  |                    |  |                    |              |                             |                         |                    |                    |              |                                   |
| Urban         | 97.6                                       | 2.4                | 0.0                                    | 0.0                | 100.0        | 5,704                       | 98.2                    | 1.8                | 0.0                | 100.0        | 3,093                             |
| Rural         | 97.3                                       | 2.7                | 0.0                                    | 0.0                | 100.0        | 5,747                       | 98.5                    | 1.5                | 0.0                | 100.0        | 3,693                             |
| <b>Region</b> |  |                    |  |                    |              |                             |                         |                    |                    |              |                                   |
| Bangkok       | 98.0                                       | 1.9                | 0.0                                    | 0.0                | 100.0        | 1,413                       | 98.9                    | 1.1                | 0.0                | 100.0        | 704                               |
| Central       | 97.7                                       | 2.3                | 0.1                                    | 0.0                | 100.0        | 3,570                       | 98.3                    | 1.7                | 0.0                | 100.0        | 1,922                             |
| North         | 96.4                                       | 3.6                | 0.0                                    | 0.0                | 100.0        | 1,760                       | 97.7                    | 2.3                | 0.0                | 100.0        | 1,026                             |
| Northeast     | 97.7                                       | 2.3                | 0.0                                    | 0.0                | 100.0        | 2,943                       | 98.0                    | 2.0                | 0.0                | 100.0        | 1,923                             |
| South         | 97.1                                       | 2.9                | 0.0                                    | 0.0                | 100.0        | 1,765                       | 99.2                    | 0.8                | 0.0                | 100.0        | 1,213                             |

**Table DQ.2.4: Birth date and age reporting (children under age 5 years)**

Percent distribution children under 5 by completeness of date of birth/age information, Thailand, 2022

|               | Completeness of reporting of date of birth and age |                       |            |                            |               |
|---------------|--|-----------------------|------------|----------------------------|---------------|
|               | Year and month of birth                            | Year of birth and age | Total      | Number of children under 5 |               |
| <b>Total</b>  |  | <b>99.8</b>           | <b>0.2</b> | <b>100.0</b>               | <b>10,502</b> |
| <b>Area</b>   |  |                       |            |                            |               |
| Urban         |  | 99.6                  | 0.4        | 100.0                      | 4,273         |
| Rural         |  | 99.9                  | 0.1        | 100.0                      | 6,229         |
| <b>Region</b> |  |                       |            |                            |               |
| Bangkok       |  | 99.6                  | 0.4        | 100.0                      | 830           |
| Central       |  | 99.4                  | 0.6        | 100.0                      | 2,783         |
| North         |  | 100.0                 | 0.0        | 100.0                      | 1,832         |
| Northeast     |  | 100.0                 | 0.0        | 100.0                      | 3,259         |
| South         |  | 99.8                  | 0.2        | 100.0                      | 1,797         |
| <b>Age</b>    |  |                       |            |                            |               |
| 0             |  | 100.0                 | 0.0        | 100.0                      | 1,645         |
| 1             |  | 100.0                 | 0.0        | 100.0                      | 1,998         |
| 2             |  | 99.9                  | 0.1        | 100.0                      | 2,276         |
| 3             |  | 99.4                  | 0.6        | 100.0                      | 2,285         |
| 4             |  | 99.7                  | 0.3        | 100.0                      | 2,298         |

**Table DQ.2.5: Birth date and age reporting (children age 5-14 years)**

Percent distribution of selected children age 5-14 years by completeness of date of birth information, Thailand, 2022

|               | <u>Completeness of reporting of date of birth and age</u> |                       | Total        | Number of selected children<br>age 5-14 years |
|---------------|---|-----------------------|--------------|---|
|               | Year and month of birth                                   | Year of birth and age |              |   |
| <b>Total</b>  | <b>99.5</b>   | <b>0.5</b>            | <b>100.0</b> | <b>10,450</b>                                 |
| <b>Area</b>   |   |                       |              |   |
| Urban         | 99.7  | 0.3                   | 100.0        | 4,597   |
| Rural         | 99.4  | 0.6                   | 100.0        | 5,853   |
| <b>Region</b> |   |                       |              |   |
| Bangkok       | 99.6  | 0.4                   | 100.0        | 969   |
| Central       | 99.4  | 0.6                   | 100.0        | 2,877   |
| North         | 99.2  | 0.8                   | 100.0        | 1,690   |
| Northeast     | 99.7  | 0.3                   | 100.0        | 3,322   |
| South         | 99.6  | 0.4                   | 100.0        | 1,591   |
| <b>Age</b>    |   |                       |              |   |
| 5-9           | 99.6  | 0.4                   | 100.0        | 4,950   |
| 10-14         | 99.4  | 0.6                   | 100.0        | 5,500   |

### C.3 COMPLETENESS AND MEASUREMENTS

**Table DQ.3.1W: Completeness of information on dates of marriage/union (women)**

| Percentage of women age 15-49 years with missing or incomplete information on date of and age at first marriage/union, Thailand, 2022 |   |                 |
|---|---|-----------------|
|   | Percent with missing/ incomplete information <sup>A</sup> | Number of women |
| <b>Ever married (age 15-49 years)</b>   |   |                 |
| Date of first marriage/union missing  | 45.4  | 13,746          |
| Only month missing  | 38.6  | 13,746          |
| Both month and year missing   | 6.4   | 13,746          |
| Age at first marriage/union missing   | 0.0   | 13,746          |
| <sup>A</sup> Includes "Don't know" responses  |   |                 |

**Table DQ.3.1M: Completeness of information on dates of marriage/union (men)**

| Percentage of men age 15-49 years with missing or incomplete information on date of and age at first marriage/union, Thailand, 2022 |   |               |
|---|---|---------------|
|   | Percent with missing/ incomplete information <sup>A</sup> | Number of men |
| <b>Ever married (age 15-49 years)</b>   |   |               |
| Date of first marriage/union missing  | 48.6  | 5,154         |
| Only month missing  | 40.4  | 5,154         |
| Both month and year missing   | 7.6   | 5,154         |
| Age at first marriage/union missing   | 0.0   | 5,154         |
| <sup>A</sup> Includes "Don't know" responses  |   |               |

**Table DQ.3.2: Completeness of information for anthropometric indicators: Underweight**

| Percent distribution of children under 5 by completeness of information on date of birth and weight, Thailand, 2022 |                                |                                    |                          |  |                          |              |  |                            |
|---|--------------------------------|------------------------------------|--------------------------|--|--------------------------|--------------|--|----------------------------|
|   | Valid weight and date of birth | Reason for exclusion from analysis |                          |  |                          | Total        | Percent of children excluded from analysis | Number of children under 5 |
|   |                                | Weight not measured                | Incomplete date of birth | Weight not measured and incomplete date of birth | Flagged cases (outliers) |              |  |                            |
| <b>Total</b>  | <b>94.3</b>                    | <b>4.6</b>                         | <b>0.1</b>               | <b>0.2</b>                                       | <b>0.8</b>               | <b>100.0</b> | <b>5.7</b>                                 | <b>10,502</b>              |
| <b>Age (in months)</b>  |                                |                                    |                          |  |                          |              |  |                            |
| <6  | 91.3                           | 8.2                                | 0.1                      | 0.0  | 0.4                      | 100.0        | 8.7  | 620                        |
| 6-11  | 93.8                           | 5.1                                | 0.0                      | 0.0  | 1.1                      | 100.0        | 6.2  | 1,028                      |
| 12-23   | 95.8                           | 3.5                                | 0.0                      | 0.0  | 0.7                      | 100.0        | 4.2  | 1,994                      |
| 24-35   | 95.7                           | 3.1                                | 0.0                      | 0.1  | 1.0                      | 100.0        | 4.3  | 2,276                      |
| 36-47   | 93.3                           | 5.3                                | 0.0                      | 0.6  | 0.8                      | 100.0        | 6.7  | 2,283                      |
| 48-59   | 93.7                           | 5.3                                | 0.2                      | 0.1  | 0.7                      | 100.0        | 6.3  | 2,300                      |

**Table DQ.3.3: Completeness of information for anthropometric indicators: Stunting**

Percent distribution of children under 5 by completeness of information on date of birth and length or height, Thailand, 2022

|                        | Valid length/height and date of birth | Reason for exclusion from analysis |                          |  |                          | Total        | Percent of children excluded from analysis | Number of children under 5 |
|------------------------|---------------------------------------|------------------------------------|--------------------------|--|--------------------------|--------------|--|----------------------------|
|                        |                                       | Length/Height not measured         | Incomplete date of birth | Length/Height not measured, incomplete date of birth | Flagged cases (outliers) |              |  |                            |
| <b>Total</b>           | <b>92.7</b>                           | <b>5.2</b>                         | <b>0.1</b>               | <b>0.2</b>   | <b>1.9</b>               | <b>100.0</b> | <b>7.3</b>                                 | <b>10,502</b>              |
| <b>Age (in months)</b> |                                       |                                    |                          |  |                          |              |  |                            |
| <6                     | 88.7                                  | 9.3                                | 0.1                      | 0.0  | 1.9                      | 100.0        | 11.3                                       | 620                        |
| 6-11                   | 88.1                                  | 6.0                                | 0.0                      | 0.0  | 5.8                      | 100.0        | 11.9                                       | 1,028                      |
| 12-23                  | 92.0                                  | 5.0                                | 0.0                      | 0.0  | 3.0                      | 100.0        | 8.0  | 1,994                      |
| 24-35                  | 94.9                                  | 3.5                                | 0.0                      | 0.1  | 1.5                      | 100.0        | 5.1  | 2,276                      |
| 36-47                  | 93.0                                  | 5.6                                | 0.0                      | 0.6  | 0.9                      | 100.0        | 7.0  | 2,283                      |
| 48-59                  | 94.0                                  | 5.1                                | 0.2                      | 0.1  | 0.6                      | 100.0        | 6.0  | 2,300                      |

**Table DQ.3.4: Completeness of information for anthropometric indicators: Wasting and overweight**

Percent distribution of children under 5 by completeness of information on weight and length or height, Thailand, 2022

|                        | Valid weight and length/height | Reason for exclusion from analysis |                            |                                       |                          | Total        | Percent of children excluded from analysis | Number of children under 5 |
|------------------------|--------------------------------|------------------------------------|----------------------------|---------------------------------------|--------------------------|--------------|--|----------------------------|
|                        |                                | Weight not measured                | Length/Height not measured | Weight and length/height not measured | Flagged cases (outliers) |              |  |                            |
| <b>Total</b>           | <b>90.5</b>                    | <b>0.2</b>                         | <b>0.7</b>                 | <b>4.6</b>                            | <b>4.0</b>               | <b>100.0</b> | <b>9.5</b>                                 | <b>10,502</b>              |
| <b>Age (in months)</b> |                                |                                    |                            |                                       |                          |              |  |                            |
| <6                     | 83.5                           | 0.1                                | 1.3                        | 8.0                                   | 7.1                      | 100.0        | 16.5                                       | 620                        |
| 6-11                   | 88.6                           | 0.2                                | 1.2                        | 4.8                                   | 5.1                      | 100.0        | 11.4                                       | 1,028                      |
| 12-23                  | 91.7                           | 0.3                                | 1.9                        | 3.2                                   | 2.9                      | 100.0        | 8.3  | 1,994                      |
| 24-35                  | 91.7                           | 0.1                                | 0.5                        | 3.1                                   | 4.5                      | 100.0        | 8.3  | 2,276                      |
| 36-47                  | 90.8                           | 0.0                                | 0.3                        | 5.8                                   | 3.0                      | 100.0        | 9.2  | 2,283                      |
| 48-59                  | 90.6                           | 0.2                                | 0.0                        | 5.2                                   | 4.0                      | 100.0        | 9.4  | 2,300                      |

**Table DQ.3.5: Heaping in anthropometric measurements**

Distribution of weight and height/length measurements by decimal digit recorded, Thailand, 2022

|              | Weight       |              | Height or length |              |
|--------------|--------------|--------------|------------------|--------------|
|              | Number       | Percent      | Number           | Percent      |
| <b>Total</b> | <b>9,999</b> | <b>100.0</b> | <b>10,015</b>    | <b>100.0</b> |
| <b>Digit</b> |              |              |                  |              |
| 0            | 810          | 8.1          | 1,448            | 14.5         |
| 1            | 1,028        | 10.3         | 1,160            | 11.6         |
| 2            | 1,516        | 15.2         | 1,549            | 15.5         |
| 3            | 1,113        | 11.1         | 1,380            | 13.8         |
| 4            | 975          | 9.7          | 1,121            | 11.2         |
| 5            | 1,020        | 10.2         | 880              | 8.8          |
| 6            | 996          | 10.0         | 934              | 9.3          |
| 7            | 898          | 9.0          | 657              | 6.6          |
| 8            | 891          | 8.9          | 490              | 4.9          |
| 9            | 752          | 7.5          | 395              | 3.9          |

| Table DQ.3.6: Completeness of information for foundational learning skills indicators   |  |                                   |               |                     |            |              |  |   |  |  |  |   |
|---|--|-----------------------------------|---------------|---------------------|------------|--------------|--|---|--|--|--|---|
| Percent distribution of selected children age 7-14 years by completion of the foundational learning skills (FL) module, percentage for whom the reading book was unavailable in appropriate language and those with insufficient number recognition skills for testing, and percentage children age 7-9 years who did not complete the reading and comprehension practise, Thailand, 2022 |  |                                   |               |                     |            |              |  |   |  |  |  |   |
|   | Percent distribution of children with:             |                                   |               |                     |            | Total        | Number of selected children age 7-14 years | Percentage of children:   |  | Number of children age 7-14 years with completed FL module | Percentage of children who did not complete reading and comprehension practise | Number of children age 7-9 years with completed FL module |
|   | Completed foundational learning skills (FL) module | Incomplete FL modules, by reason: |               |                     |            |              |  | For whom the reading book was not available in appropriate language | With insufficient number recognition skill for testing |  |  |   |
|   |  | Mother refused                    | Child refused | Child not available | Other      |              |  |   |  |  |  |   |
| <b>Total</b>  | <b>97.3</b>  | <b>0.8</b>                        | <b>0.8</b>    | <b>0.8</b>          | <b>0.3</b> | <b>100.0</b> | <b>8,764</b>                               | <b>1.2</b>  | <b>0.8</b>   | <b>8,529</b>   | <b>25.3</b>  | <b>3,158</b>  |
| <b>Area</b>   |  |                                   |               |                     |            |              |  |   |  |  |  |   |
| Urban   | 96.0   | 1.5                               | 0.7           | 1.3                 | 0.5        | 100.0        | 3,828                                      | 1.1   | 1.1  | 3,675  | 22.3   | 1,371   |
| Rural   | 98.3   | 0.3                               | 0.8           | 0.4                 | 0.1        | 100.0        | 4,936                                      | 1.3   | 0.5  | 4,854  | 27.6   | 1,786   |
| <b>Region</b>   |  |                                   |               |                     |            |              |  |   |  |  |  |   |
| Bangkok   | 95.8   | 2.0                               | 0.5           | 1.7                 | 0.0        | 100.0        | 797  | 0.0   | 1.2  | 764  | 18.1   | 267   |
| Central   | 96.1   | 1.2                               | 1.2           | 0.9                 | 0.5        | 100.0        | 2,398                                      | 0.4   | 0.6  | 2,305  | 19.3   | 831   |
| North   | 98.9   | 0.5                               | 0.1           | 0.4                 | 0.0        | 100.0        | 1,431                                      | 1.2   | 0.3  | 1,416  | 20.7   | 540   |
| Northeast   | 98.9   | 0.4                               | 0.4           | 0.2                 | 0.2        | 100.0        | 2,819                                      | 1.2   | 0.8  | 2,787  | 31.0   | 1,043   |
| South   | 95.3   | 0.8                               | 1.6           | 1.8                 | 0.5        | 100.0        | 1,318                                      | 3.6   | 1.4  | 1,256  | 32.5   | 477   |
| <b>Age</b>  |  |                                   |               |                     |            |              |  |   |  |  |  |   |
| 7   | 94.1   | 1.9                               | 1.2           | 1.5                 | 1.3        | 100.0        | 988  | 2.1   | 3.3  | 930  | 41.1   | 930   |
| 8   | 97.5   | 0.4                               | 1.3           | 0.5                 | 0.2        | 100.0        | 1,152                                      | 2.3   | 1.3  | 1,123  | 23.1   | 1,123   |
| 9   | 98.3   | 1.2                               | 0.3           | 0.2                 | 0.1        | 100.0        | 1,124                                      | 0.5   | 1.3  | 1,105  | 14.3   | 1,105   |
| 10  | 98.3   | 0.3                               | 0.2           | 1.1                 | 0.1        | 100.0        | 1,194                                      | 0.7   | 0.4  | 1,174  | na   | na  |
| 11  | 96.6   | 1.4                               | 0.4           | 0.9                 | 0.6        | 100.0        | 1,018                                      | 1.2   | 0.1  | 984  | na   | na  |
| 12  | 96.5   | 0.3                               | 1.9           | 1.2                 | 0.1        | 100.0        | 1,160                                      | 1.5   | 0.0  | 1,120  | na   | na  |
| 13  | 97.8   | 0.9                               | 0.7           | 0.6                 | 0.0        | 100.0        | 1,066                                      | 0.6   | 0.2  | 1,042  | na   | na  |
| 14  | 99.1   | 0.4                               | 0.1           | 0.4                 | 0.1        | 100.0        | 1,061                                      | 1.2   | 0.1  | 1,051  | na   | na  |
| na: not applicable  |  |                                   |               |                     |            |              |  |   |  |  |  |   |

## C.4 OBSERVATIONS

**Table DQ.4.1: Observation of handwashing facility**

Percent distribution of handwashing facility observed by the interviewers in all interviewed households, Thailand, 2022

|                              | Handwashing facility |               |                                   |                      |              | Total        | Number of households |
|------------------------------|----------------------|---------------|-----------------------------------|----------------------|--------------|--------------|----------------------|
|                              | Observed             |               | Not observed                      |                      |              |              |                      |
|                              | Fixed facility       | Mobile object | Not in the dwelling, plot or yard | No permission to see | Other reason |              |                      |
| <b>Total</b>                 | <b>69.0</b>          | <b>11.6</b>   | <b>2.4</b>                        | <b>17.0</b>          | <b>0.0</b>   | <b>100.0</b> | <b>30,008</b>        |
| <b>Area</b>                  |                      |               |                                   |                      |              |              |                      |
| Urban                        | 62.0                 | 8.4           | 2.0                               | 27.6                 | 0.0          | 100.0        | 16,455               |
| Rural                        | 77.5                 | 15.4          | 3.0                               | 4.1                  | 0.0          | 100.0        | 13,553               |
| <b>Region</b>                |                      |               |                                   |                      |              |              |                      |
| Bangkok                      | 34.9                 | 0.9           | 2.6                               | 61.5                 | 0.1          | 100.0        | 4,793                |
| Central                      | 70.3                 | 10.9          | 1.8                               | 16.9                 | 0.0          | 100.0        | 9,418                |
| North                        | 85.2                 | 10.1          | 2.6                               | 2.1                  | 0.0          | 100.0        | 4,693                |
| Northeast                    | 73.3                 | 21.2          | 2.0                               | 3.5                  | 0.0          | 100.0        | 7,269                |
| South                        | 80.4                 | 9.9           | 4.2                               | 5.5                  | 0.0          | 100.0        | 3,835                |
| <b>Wealth index quintile</b> |                      |               |                                   |                      |              |              |                      |
| Poorest                      | 60.6                 | 27.1          | 5.6                               | 6.7                  | 0.0          | 100.0        | 6,575                |
| Second                       | 64.7                 | 14.2          | 3.0                               | 18.1                 | 0.0          | 100.0        | 6,624                |
| Middle                       | 72.1                 | 8.3           | 1.6                               | 18.0                 | 0.0          | 100.0        | 6,097                |
| Fourth                       | 78.3                 | 3.7           | 0.5                               | 17.5                 | 0.0          | 100.0        | 5,649                |
| Richest                      | 71.4                 | 0.6           | 0.6                               | 27.3                 | 0.0          | 100.0        | 5,063                |

**Table DQ.4.2: Observation of birth certificates**

Percent distribution of children under 5 by presence of birth certificates, and percentage of birth certificates seen, Thailand, 2022

|                        | Child has birth certificate |                                 |                                       |            | Total        | Percentage of birth certificates seen by the interviewer (1)/(1+2)*100 | Number of children under 5 |
|------------------------|-----------------------------|---------------------------------|---------------------------------------|------------|--------------|--|----------------------------|
|                        | Seen by the interviewer (1) | Not seen by the interviewer (2) | Child does not have birth certificate | DK/Missing |              |  |                            |
| <b>Total</b>           | <b>71.5</b>                 | <b>27.3</b>                     | <b>1.1</b>                            | <b>0.2</b> | <b>100.0</b> | <b>72.4</b>  | <b>10,502</b>              |
| <b>Area</b>            |                             |                                 |                                       |            |              |  |                            |
| Urban                  | 62.7                        | 35.5                            | 1.8                                   | 0.0        | 100.0        | 63.9   | 4,273                      |
| Rural                  | 77.6                        | 21.6                            | 0.6                                   | 0.2        | 100.0        | 78.2   | 6,229                      |
| <b>Region</b>          |                             |                                 |                                       |            |              |  |                            |
| Bangkok                | 40.9                        | 56.7                            | 2.4                                   | 0.0        | 100.0        | 41.9   | 830                        |
| Central                | 71.6                        | 25.9                            | 1.9                                   | 0.6        | 100.0        | 73.4   | 2,783                      |
| North                  | 78.4                        | 21.1                            | 0.5                                   | 0.0        | 100.0        | 78.8   | 1,832                      |
| Northeast              | 75.7                        | 23.8                            | 0.5                                   | 0.0        | 100.0        | 76.1   | 3,259                      |
| South                  | 71.0                        | 28.4                            | 0.7                                   | 0.0        | 100.0        | 71.4   | 1,797                      |
| <b>Age (in months)</b> |                             |                                 |                                       |            |              |  |                            |
| 0-5                    | 76.7                        | 21.4                            | 1.9                                   | 0.0        | 100.0        | 78.1   | 620                        |
| 6-11                   | 69.8                        | 29.4                            | 0.8                                   | 0.0        | 100.0        | 70.4   | 1,028                      |
| 12-23                  | 77.0                        | 22.1                            | 0.9                                   | 0.0        | 100.0        | 77.7   | 1,994                      |
| 24-35                  | 71.7                        | 26.8                            | 0.9                                   | 0.7        | 100.0        | 72.8   | 2,276                      |
| 36-47                  | 69.7                        | 28.8                            | 1.5                                   | 0.0        | 100.0        | 70.7   | 2,283                      |
| 48-59                  | 67.9                        | 31.2                            | 0.8                                   | 0.1        | 100.0        | 68.5   | 2,300                      |



**Table DQ.4.3: Observation of vaccination records**

Percent distribution of children age 0-59 months by presence of vaccination records, and the percentage of vaccination records seen by the interviewers, Thailand, 2022

|                        | Child does not have vaccination records |                               | Child has vaccination records |                                 |            | Total        | Percentage of vaccination records seen by the interviewer (1)/(1+2)*100 | Number of children age 0-59 months |
|------------------------|---|-------------------------------|-------------------------------|---------------------------------|------------|--------------|---|------------------------------------|
|                        | Had vaccination records previously      | Never had vaccination records | Seen by the interviewer (1)   | Not seen by the interviewer (2) | DK/Missing |              |   |                                    |
| <b>Total</b>           | <b>7.0</b>                              | <b>0.4</b>                    | <b>82.8</b>                   | <b>9.8</b>                      | <b>0.1</b> | <b>100.0</b> | <b>89.4</b>   | <b>10,502</b>                      |
| <b>Area</b>            |   |                               |                               |                                 |            |              |   |                                    |
| Urban                  | 9.3                                     | 0.7                           | 75.6                          | 14.3                            | 0.1        | 100.0        | 84.1  | 4,273                              |
| Rural                  | 5.5                                     | 0.1                           | 87.7                          | 6.7                             | 0.1        | 100.0        | 92.9  | 6,229                              |
| <b>Region</b>          |   |                               |                               |                                 |            |              |   |                                    |
| Bangkok                | 8.2                                     | 1.0                           | 64.3                          | 26.3                            | 0.2        | 100.0        | 71.0  | 830                                |
| Central                | 9.7                                     | 0.8                           | 78.3                          | 11.2                            | 0.0        | 100.0        | 87.5  | 2,783                              |
| North                  | 4.8                                     | 0.2                           | 86.6                          | 8.4                             | 0.0        | 100.0        | 91.2  | 1,832                              |
| Northeast              | 4.2                                     | 0.0                           | 89.3                          | 6.4                             | 0.1        | 100.0        | 93.3  | 3,259                              |
| South                  | 9.8                                     | 0.1                           | 82.5                          | 7.6                             | 0.0        | 100.0        | 91.5  | 1,797                              |
| <b>Age (in months)</b> |   |                               |                               |                                 |            |              |   |                                    |
| 0-5                    | 2.2                                     | 1.7                           | 81.0                          | 15.2                            | 0.0        | 100.0        | 84.2  | 620                                |
| 6-11                   | 5.2                                     | 0.3                           | 85.1                          | 9.3                             | 0.1        | 100.0        | 90.2  | 1,028                              |
| 12-23                  | 4.2                                     | 0.0                           | 89.1                          | 6.7                             | 0.0        | 100.0        | 93.0  | 1,994                              |
| 24-35                  | 6.3                                     | 0.5                           | 84.0                          | 9.1                             | 0.1        | 100.0        | 90.2  | 2,276                              |
| 36-47                  | 9.4                                     | 0.4                           | 81.4                          | 8.8                             | 0.1        | 100.0        | 90.2  | 2,283                              |
| 48-59                  | 10.1                                    | 0.1                           | 76.9                          | 12.9                            | 0.0        | 100.0        | 85.7  | 2,300                              |

## C.5 SCHOOL ATTENDANCE

**Table DQ.5.1: School attendance by single age**

Distribution of household population age 3-24 years by educational level and grade attended in the current school year, Thailand, 2022

|  | Currently attending  |                           |                |      |      |             |      |      |     |                        |      |      |     |                        |      |      |     |                       |       | Number of household members age 3-24 years |       |
|--|----------------------|---------------------------|----------------|------|------|-------------|------|------|-----|------------------------|------|------|-----|------------------------|------|------|-----|-----------------------|-------|--|-------|
|  | Not attending school | Early Childhood Education | Primary school |      |      |             |      |      |     | Lower secondary school |      |      |     | Upper secondary school |      |      |     | Higher than secondary | Total |  |       |
|  |                      |                           | Grade          |      |      |             |      |      |     | Grade                  |      |      |     | Grade                  |      |      |     |                       |       |  |       |
| 1                                      | 2                    | 3                         | 4              | 5    | 6    | DK/ Missing | 1    | 2    | 3   | DK/ Missing            | 4    | 5    | 6   | DK/ Missing            |      |      |     |                       |       |  |       |
| <b>Age at beginning of school year</b> |                      |                           |                |      |      |             |      |      |     |                        |      |      |     |                        |      |      |     |                       |       |  |       |
| 3                                      | 30.4                 | 69.6                      | 0.0            | 0.0  | 0.0  | 0.0         | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.0 | 0.0                   | 0.0   | 100.0                                      | 700   |
| 4                                      | 9.9                  | 90.1                      | 0.0            | 0.0  | 0.0  | 0.0         | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.0 | 0.0                   | 0.0   | 100.0                                      | 714   |
| 5                                      | 12.4                 | 85.6                      | 2.0            | 0.0  | 0.0  | 0.0         | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.0 | 0.0                   | 0.0   | 100.0                                      | 745   |
| 6                                      | 5.5                  | 17.2                      | 76.2           | 1.2  | 0.0  | 0.0         | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.0 | 0.0                   | 0.0   | 100.0                                      | 722   |
| 7                                      | 4.9                  | 0.2                       | 21.2           | 72.2 | 1.6  | 0.0         | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.0 | 0.0                   | 0.0   | 100.0                                      | 876   |
| 8                                      | 2.4                  | 0.3                       | 0.3            | 20.2 | 74.4 | 2.4         | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.0 | 0.0                   | 0.0   | 100.0                                      | 928   |
| 9                                      | 3.2                  | 0.1                       | 0.0            | 0.6  | 19.3 | 75.0        | 1.8  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.0 | 0.0                   | 0.0   | 100.0                                      | 966   |
| 10                                     | 5.5                  | 0.1                       | 0.0            | 0.0  | 0.9  | 21.5        | 68.9 | 3.2  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.0 | 0.0                   | 0.0   | 100.0                                      | 1,040 |
| 11                                     | 3.5                  | 0.0                       | 0.0            | 0.2  | 0.1  | 1.3         | 27.1 | 65.4 | 0.0 | 2.3                    | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.0 | 0.0                   | 0.0   | 100.0                                      | 821   |
| 12                                     | 5.3                  | 0.0                       | 0.0            | 0.0  | 0.0  | 1.5         | 1.9  | 25.1 | 0.0 | 63.5                   | 2.7  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.0 | 0.0                   | 0.0   | 100.0                                      | 934   |
| 13                                     | 5.2                  | 0.0                       | 0.0            | 0.0  | 0.0  | 0.1         | 0.0  | 0.3  | 0.0 | 25.1                   | 66.0 | 3.0  | 0.3 | 0.0                    | 0.0  | 0.0  | 0.0 | 0.0                   | 0.0   | 100.0                                      | 903   |
| 14                                     | 5.3                  | 0.0                       | 0.0            | 0.0  | 0.0  | 0.0         | 0.0  | 0.3  | 0.0 | 2.1                    | 26.9 | 60.2 | 0.0 | 4.7                    | 0.3  | 0.0  | 0.0 | 0.1                   | 0.0   | 100.0                                      | 906   |
| 15                                     | 10.6                 | 0.0                       | 0.0            | 0.0  | 0.0  | 0.0         | 0.0  | 0.2  | 0.0 | 0.0                    | 1.2  | 24.9 | 0.4 | 56.6                   | 5.2  | 0.8  | 0.1 | 0.0                   | 0.0   | 100.0                                      | 926   |
| 16                                     | 17.6                 | 0.0                       | 0.0            | 0.0  | 0.0  | 0.0         | 0.0  | 0.0  | 0.0 | 0.0                    | 0.6  | 1.1  | 0.3 | 28.5                   | 48.3 | 2.8  | 0.4 | 0.4                   | 0.0   | 100.0                                      | 909   |
| 17                                     | 18.6                 | 0.0                       | 0.0            | 0.0  | 0.0  | 0.0         | 0.0  | 0.1  | 0.0 | 0.7                    | 0.1  | 0.6  | 1.0 | 3.2                    | 21.5 | 49.2 | 1.8 | 3.1                   | 0.0   | 100.0                                      | 844   |
| 18                                     | 37.0                 | 0.0                       | 0.0            | 0.0  | 0.0  | 0.0         | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.6 | 1.8                    | 4.4  | 22.1 | 2.6 | 31.5                  | 0.0   | 100.0                                      | 775   |
| 19                                     | 53.5                 | 0.0                       | 0.0            | 0.0  | 0.0  | 0.0         | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.3 | 0.0                    | 0.1  | 3.0  | 0.3 | 42.7                  | 0.0   | 100.0                                      | 691   |
| 20                                     | 60.8                 | 0.0                       | 0.0            | 0.0  | 0.0  | 0.0         | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.1  | 0.1 | 0.0                    | 0.1  | 0.7  | 0.6 | 37.7                  | 0.0   | 100.0                                      | 739   |
| 21                                     | 68.2                 | 0.0                       | 0.0            | 0.0  | 0.0  | 0.0         | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.1  | 0.1 | 0.0                    | 0.1  | 0.0  | 0.2 | 31.3                  | 0.0   | 100.0                                      | 652   |
| 22                                     | 80.6                 | 0.0                       | 0.0            | 0.0  | 0.0  | 0.0         | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.1 | 0.0                    | 0.0  | 0.2  | 1.5 | 17.6                  | 0.0   | 100.0                                      | 752   |
| 23                                     | 94.0                 | 0.0                       | 0.0            | 0.0  | 0.0  | 0.0         | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.3  | 0.0 | 0.0                    | 0.1  | 0.2  | 0.7 | 4.7                   | 0.0   | 100.0                                      | 805   |
| 24 <sup>A</sup>                        | 94.6                 | 0.0                       | 0.0            | 0.0  | 0.0  | 0.0         | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.0  | 0.0 | 0.0                    | 0.0  | 0.1  | 0.0 | 5.3                   | 0.0   | 100.0                                      | 734   |

<sup>A</sup> Those age 25 at the time of interview who were age 24 at beginning of school year are excluded as current attendance was only collected for those age 3-24 at the time of interview



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## APPENDIX D THAILAND MICS 2022 QUESTIONNAIRES

The questionnaires of the Thailand MICS 2022 are presented in Appendix D:

- Household questionnaire
- Questionnaire for Individual Women
- Questionnaire for Individual Men
- Questionnaire for Children Under Five
- Questionnaire for Children Age 5-14

**HOUSEHOLD INFORMATION PANEL** **HH**

|  |  |  |                           |
|--|--|--|---------------------------|
| <b>HH1. Cluster number:</b> _____  |  | <b>HH2. Household number:</b> _____  |                           |
| <b>HH3. Interviewer's name and number:</b><br>NAME _____                       |  | <b>HH4. Supervisor's name and number:</b><br>NAME _____  |                           |
| <b>HH5. Day / Month / Year of interview:</b><br>_____ / _____ / <u>2 5 6 5</u> |  | <b>HH7. Region:</b><br>BANGKOK ..... 1<br>CENTRAL ..... 2<br>NORTH ..... 3<br>NORTHEAST ..... 4<br>SOUTH ..... 5 |                           |
| <b>HH6. Area:</b>  | MUNICIPALITY ..... 1<br>NON-MUNICIPALITY ..... 2 |  |                           |
| <b>HH7A. Province</b> .....  |  |  |                           |
| <b>HH8. Is the household selected for Questionnaire for Men?</b>               |  |  | YES ..... 1<br>NO ..... 2 |

|   |                                |
|---|--------------------------------|
| <p><i>Check that the respondent is a knowledgeable member of the household and at least 18 years old before proceeding. You may only interview a child age 15-17 if there is no adult member of the household or all adult members are incapacitated. You may not interview a child under age 15.</i></p> | <b>HH11. Record the time.</b>  |
|   | HOURS : MINUTES<br>____ : ____ |

**HH12.** Hello, my name is (*your name*). We are from National Statistical Office. We are conducting a survey about the situation of children, families and households. I would like to talk to you about these subjects. This interview usually takes about 25 minutes. Following this, I may ask to conduct additional interviews with you or other individual members of your household. All the information we obtain will remain strictly confidential and anonymous. If you do not wish to answer a question or stop the interview, please let me know. May I start now?

|                        |                               |
|------------------------|-------------------------------|
| YES ..... 1            | 1 ⇨ LIST OF HOUSEHOLD MEMBERS |
| NO / NOT ASKED ..... 2 | 2 ⇨ HH46                      |

|  |   |    |
|--|---|----|
| <p><b>HH46. Result of Household Questionnaire interview:</b></p> <p><i>Discuss any result not completed with Supervisor.</i></p> | COMPLETED .....   | 01 |
|  | NO HOUSEHOLD MEMBER AT HOME OR NO COMPETENT RESPONDENT AT HOME AT TIME OF VISIT ..... | 02 |
|  | ENTIRE HOUSEHOLD ABSENT FOR EXTENDED PERIOD OF TIME .....                             | 03 |
|  | REFUSED .....   | 04 |
|  | DWELLING VACANT OR ADDRESS NOT A DWELLING .....                                       | 05 |
|  | DWELLING DESTROYED.....   | 06 |
|  | DWELLING NOT FOUND .....  | 07 |
|  | OTHER ( <i>specify</i> ) .....  | 96 |

|   |
|---|
| <b>HH47. Name and line number of the respondent to Household Questionnaire interview:</b> |
| NAME _____  |
| HOUSEHOLD MEMBERS   |
| WOMEN AGE 15-49   |
| <i>If household is selected for Questionnaire for Men:</i><br>MEN AGE 15-49               |
| CHILDREN UNDER AGE 5  |
| CHILDREN AGE 5-14   |

|  |     |
|--|-----|
| <i>To be filled after the Household Questionnaire is completed</i> |     |
| TOTAL NUMBER   |     |
| <b>HH48</b>  | ___ |
| <b>HH49</b>  | ___ |
| <b>HH50</b>  | ___ |
| <b>HH51</b>  | ___ |
| <b>HH52</b>  | ___ |

|  |                             |
|--|-----------------------------|
| <i>To be filled after all the questionnaires are completed</i> |                             |
| COMPLETED NUMBER   |                             |
| <b>HH53</b>  | ___                         |
| <b>HH54</b>  | ___                         |
| <b>HH55</b>  | ___                         |
| <b>HH56</b>  | ZERO ..... 0<br>ONE ..... 1 |

**LIST OF HOUSEHOLD MEMBERS**

**HL**

First complete HL2-HL4 vertically for all household members, starting with the head of the household. Once HL2-HL4 are complete for all members, make sure to probe for additional members: Those that are not currently at home, any infants or small children and any others who may not be family (such as servants, friends) but who usually live in the household.

Then, ask questions HL5-HL20 for each member one at a time. If additional questionnaires are used, indicate by ticking this box: .....

| HL1.<br>Line<br>number | HL2.<br>First, please tell<br>me the name of<br>each person who<br>usually lives here,<br>starting with the<br>head of the<br>household.<br><br><i>Probe for<br/>additional<br/>household<br/>members.</i> | HL3.<br>What is the<br>relationship<br>of (name) to<br>(name of the<br>head of<br>household)? | HL4.<br>Is<br>(name)<br>male or<br>female?<br><br>1 MALE<br>2 FEMALE | HL5.<br>What is (name)'s date<br>of birth?<br><br>98 DK    998 DK | HL6.<br>How old<br>is<br>(name)?<br><br>Record in<br>completed<br>years.<br><br><i>If age is<br/>95 or<br/>above,<br/>record<br/>'95'.</i> | HL8.<br>Record<br>line<br>number<br>if woman<br>and age<br>15-49. | HL9.<br>Record<br>line<br>number<br>if man,<br>age 15-<br>49 and<br>HH8 is<br>yes. | HL10.<br>Record<br>line<br>number<br>if age<br>0-4. | HL11.<br>Age 0-17?<br><br>1 YES<br>2 NO ☺<br>Next Line | HL12.<br>Is<br>(name)'s<br>natural<br>mother<br>alive?<br><br>1 YES<br>2 NO ☺<br>HL16<br>8 DK ☺<br>HL16 | HL13.<br>Does<br>(name)'s<br>natural<br>mother<br>live in this<br>household?<br><br>1 YES<br>2 NO ☺<br>HL15 | HL14.<br>Record<br>the line<br>number of<br>mother<br>and go to<br>HL16. | HL15.<br>Where does<br>(name)'s<br>natural<br>mother<br>live?<br><br>1 ABROAD<br>2 IN<br>ANOTHER<br>HOUSEHOLD<br>IN THE SAME<br>REGION<br>3 IN<br>ANOTHER<br>HOUSEHOLD<br>IN ANOTHER<br>REGION<br>4<br>INSTITUTION<br>IN THIS<br>COUNTRY<br>8 DK | HL16.<br>Is<br>(name)'s<br>natural<br>father<br>alive?<br><br>1 YES<br>2 NO ☺<br>HL20<br>8 DK ☺<br>HL20 | HL17.<br>Does<br>(name)'s<br>natural<br>father live<br>in this<br>household?<br><br>1 YES<br>2 NO ☺<br>HL19 | HL18.<br>Record<br>the line<br>number of<br>father and<br>go to<br>HL20. | HL19.<br>Where does<br>(name)'s<br>natural<br>father live?<br><br>1 ABROAD<br>2 IN<br>ANOTHER<br>HOUSEHOLD<br>IN THE SAME<br>REGION<br>3 IN<br>ANOTHER<br>HOUSEHOLD<br>IN ANOTHER<br>REGION<br>4<br>INSTITUTION<br>IN THIS<br>COUNTRY<br>8 DK | HL20.<br>Copy the<br>line<br>number of<br>mother<br>from<br>HL14. If<br>blank, ask:<br><br>Who is the<br>primary<br>caretaker<br>of (name)?<br><br><i>If 'No one'<br/>for a child<br/>age 15-17,<br/>record<br/>'90'.</i> | HL21. Only<br>if HL14 is<br>blank and<br>HL20≠90,<br>probe:<br><br>What is the<br>relationship<br>of the<br>primary<br>caregiver to<br>(name)? |
|------------------------|--|---|--|---|--|---|--|---|--|---|---|--|--|---|---|--|---|---|--|
| LINE                   | NAME   | RELATION*   | M F  | MONTH   | YEAR   | AGE   | W 15-49  | M 15-49   | 0-4  | Y N   | Y N DK  | Y N  | MOTHER   | Y N DK  | Y N   | FATHER   |   |   | RELATION**   |
| 01                     |  | 0 1   | 1 2  | __  | __   | __  | 01   | 01  | 01   | 1 2   | 1 2 8   | 1 2  | __   | 1 2 3 4 8   | 1 2 8   | 1 2  | __  | 1 2 3 4 8   | __   |
| 02                     |  | __  | 1 2  | __  | __   | __  | 02   | 02  | 02   | 1 2   | 1 2 8   | 1 2  | __   | 1 2 3 4 8   | 1 2 8   | 1 2  | __  | 1 2 3 4 8   | __   |
| 03                     |  | __  | 1 2  | __  | __   | __  | 03   | 03  | 03   | 1 2   | 1 2 8   | 1 2  | __   | 1 2 3 4 8   | 1 2 8   | 1 2  | __  | 1 2 3 4 8   | __   |
| 04                     |  | __  | 1 2  | __  | __   | __  | 04   | 04  | 04   | 1 2   | 1 2 8   | 1 2  | __   | 1 2 3 4 8   | 1 2 8   | 1 2  | __  | 1 2 3 4 8   | __   |
| 05                     |  | __  | 1 2  | __  | __   | __  | 05   | 05  | 05   | 1 2   | 1 2 8   | 1 2  | __   | 1 2 3 4 8   | 1 2 8   | 1 2  | __  | 1 2 3 4 8   | __   |
| 06                     |  | __  | 1 2  | __  | __   | __  | 06   | 06  | 06   | 1 2   | 1 2 8   | 1 2  | __   | 1 2 3 4 8   | 1 2 8   | 1 2  | __  | 1 2 3 4 8   | __   |
| 07                     |  | __  | 1 2  | __  | __   | __  | 07   | 07  | 07   | 1 2   | 1 2 8   | 1 2  | __   | 1 2 3 4 8   | 1 2 8   | 1 2  | __  | 1 2 3 4 8   | __   |
| 08                     |  | __  | 1 2  | __  | __   | __  | 08   | 08  | 08   | 1 2   | 1 2 8   | 1 2  | __   | 1 2 3 4 8   | 1 2 8   | 1 2  | __  | 1 2 3 4 8   | __   |
| 09                     |  | __  | 1 2  | __  | __   | __  | 09   | 09  | 09   | 1 2   | 1 2 8   | 1 2  | __   | 1 2 3 4 8   | 1 2 8   | 1 2  | __  | 1 2 3 4 8   | __   |
| 10                     |  | __  | 1 2  | __  | __   | __  | 15   | 15  | 15   | 1 2   | 1 2 8   | 1 2  | __   | 1 2 3 4 8   | 1 2 8   | 1 2  | __  | 1 2 3 4 8   | __   |

|   |  |   |  |  |
|---|--|---|--|--|
| * Codes for HL3: Relationship to head of household: | 01 HEAD<br>02 SPOUSE / PARTNER<br>03 SON / DAUGHTER<br>04 SON-IN-LAW / DAUGHTER-IN-LAW | 05 GRANDCHILD<br>06 PARENT<br>07 PARENT-IN-LAW<br>08 BROTHER / SISTER | 09 BROTHER-IN-LAW / SISTER-IN-LAW<br>10 UNCLE/AUNT<br>11 NIECE / NEPHEW<br>12 OTHER RELATIVE | 13 ADOPTED / FOSTER / STEPCHILD<br>14 SERVANT (LIVE-IN)<br>96 OTHER (NOT RELATED)<br>98 DK |
|---|--|---|--|--|

|   |  |   |  |
|---|--|---|--|
| ** Codes for HL21: Relationship to primary caregiver: | 01 FATHER<br>02 PATERNAL GRANDFATHER<br>03 PATERNAL GRANDMOTHER<br>04 MATERNAL GRANDFATHER | 05 MATERNAL GRANDMOTHER<br>06 UNCLE, PARENTS' OLDER BROTHER<br>07 AUNT, PARENTS' OLDER SISTER<br>08 MOTHER'S YOUNGER BROTHER/SISTER | 09 FATHER'S YOUNGER BROTHER/SISTER<br>10 OLDER BROTHER/SISTER<br>11 OTHER RELATIVE<br>96 OTHER (NOT RELATED) |
|---|--|---|--|

**EDUCATION** **ED**

|                                   |   |  |   |  |  |  |  |
|-----------------------------------|---|--|---|--|--|--|--|
| <b>ED1.</b><br><i>Line number</i> | <b>ED2.</b><br><i>Name and age.</i><br><br><i>Copy names and ages of all members of the household from HL2 and HL6 to below and to next page of the module.</i> | <b>ED3.</b><br><i>Age 3 or above?</i><br><br>1 YES<br>2 NO ☺<br><br><i>Next Line</i> | <b>ED4.</b><br>Has ( <i>name</i> ) ever attended school or any Early Childhood Education programme?<br><br><i>If "No", probe:</i><br>Has ( <i>name</i> ) ever attended remotely?<br><br>1 YES<br>2 NO ☺<br><br><i>Next Line</i> | <b>ED5.</b><br>What is the highest level and grade or year of school ( <i>name</i> ) has ever attended?<br><br>LEVEL:<br><i>(See codes at the end of the module)</i><br><br>00 ECE ☺<br><br><i>ED7</i> | <b>ED6.</b><br>Did ( <i>name</i> ) ever complete that (grade/year)?<br><br>1 YES<br>2 NO<br>8 DK | <b>ED7.</b><br><i>Age 3-24?</i><br><br>1 YES<br>2 NO ☺<br><br><i>Next Line</i> | <b>ED8.</b><br><i>Check ED4:</i><br><i>Ever attended school or ECE?</i><br><br>1 YES<br>2 NO ☺<br><br><i>Next Line</i> |
|-----------------------------------|---|--|---|--|--|--|--|

| LINE | NAME | AGE | YES | NO | YES | NO | LEVEL | GRADE/YEAR | Y | N | DK | YES | NO | YES | NO |
|------|------|-----|-----|----|-----|----|-------|------------|---|---|----|-----|----|-----|----|
| 01   |      | ___ | 1   | 2  | 1   | 2  | ___   | ___        | 1 | 2 | 8  | 1   | 2  | 1   | 2  |
| 02   |      | ___ | 1   | 2  | 1   | 2  | ___   | ___        | 1 | 2 | 8  | 1   | 2  | 1   | 2  |
| 03   |      | ___ | 1   | 2  | 1   | 2  | ___   | ___        | 1 | 2 | 8  | 1   | 2  | 1   | 2  |
| 04   |      | ___ | 1   | 2  | 1   | 2  | ___   | ___        | 1 | 2 | 8  | 1   | 2  | 1   | 2  |
| 05   |      | ___ | 1   | 2  | 1   | 2  | ___   | ___        | 1 | 2 | 8  | 1   | 2  | 1   | 2  |
| 06   |      | ___ | 1   | 2  | 1   | 2  | ___   | ___        | 1 | 2 | 8  | 1   | 2  | 1   | 2  |
| 07   |      | ___ | 1   | 2  | 1   | 2  | ___   | ___        | 1 | 2 | 8  | 1   | 2  | 1   | 2  |
| 08   |      | ___ | 1   | 2  | 1   | 2  | ___   | ___        | 1 | 2 | 8  | 1   | 2  | 1   | 2  |
| 09   |      | ___ | 1   | 2  | 1   | 2  | ___   | ___        | 1 | 2 | 8  | 1   | 2  | 1   | 2  |
| 10   |      | ___ | 1   | 2  | 1   | 2  | ___   | ___        | 1 | 2 | 8  | 1   | 2  | 1   | 2  |

**EDUCATION** **ED**

|                                   |                                     |  |  |   |  |   |  |  |  |
|-----------------------------------|-------------------------------------|--|--|---|--|---|--|--|--|
| <b>ED1.</b><br><i>Line number</i> | <b>ED2.</b><br><i>Name and age.</i> |  | <b>ED9.</b><br>At any time during the 2565-66 school year did ( <b>name</b> ) attend school or any Early Childhood Education programme?<br><br><i>If "No", probe:</i><br>Did ( <b>name</b> ) attend remotely during the 2565-66 school year?<br><br>1 YES<br>2 NO ∅<br><br><i>ED15</i> | <b>ED10.</b><br>During the 2565-66 school year, which level and grade or year is ( <b>name</b> ) attending?<br><br>LEVEL:<br><i>(See codes at the end of the module)</i><br><br>00 ECE ∅<br><i>ED15</i> | <b>GRADE/<br/>YEAR:</b><br>95 NON-FORMAL DK<br>98 DK | <b>ED10C.</b><br><i>If ED10 (Level) is recorded 01-03 only, probe:</i><br><br>Is ( <b>name</b> ) attending formal school, NFE, or home school?<br><br>1 ATTENDING NFE<br><br>2 ATTENDING HOME SCHOOL<br><br>3 NOT ATTENDING BOTH FORM<br><br>8 DK | <b>ED15.</b><br>At any time during the 2564-65 school year did ( <b>name</b> ) attend school or any Early Childhood Education programme?<br><br><i>If "No", probe:</i><br>Did ( <b>name</b> ) attend remotely during the 2564-65 school year?<br><br>1 YES<br>2 NO ∅<br><br><i>Next Line</i><br><br>8 DK ∅<br><br><i>Next Line</i> | <b>ED16.</b><br>During the 2564-65 school year, which level and grade or year did ( <b>name</b> ) attend?<br><br>LEVEL:<br><i>(See codes at the end of the module)</i><br><br>00 ECE ∅<br><i>Next Line</i> | <b>GRADE/<br/>YEAR:</b><br>95 NON-FORMAL DK<br>98 DK |
|-----------------------------------|-------------------------------------|--|--|---|--|---|--|--|--|

| LINE | NAME | AGE   | YES NO | LEVEL | GRADE/<br>YEAR | NFE/HOME SCHOOL | YES NO DK | LEVEL | GRADE/<br>YEAR |
|------|------|-------|--------|-------|----------------|-----------------|-----------|-------|----------------|
| 01   |      | _____ | 1 2    | _____ | _____          | 1 2 3 8         | 1 2 8     | _____ | _____          |
| 02   |      | _____ | 1 2    | _____ | _____          | 1 2 3 8         | 1 2 8     | _____ | _____          |
| 03   |      | _____ | 1 2    | _____ | _____          | 1 2 3 8         | 1 2 8     | _____ | _____          |
| 04   |      | _____ | 1 2    | _____ | _____          | 1 2 3 8         | 1 2 8     | _____ | _____          |
| 05   |      | _____ | 1 2    | _____ | _____          | 1 2 3 8         | 1 2 8     | _____ | _____          |
| 06   |      | _____ | 1 2    | _____ | _____          | 1 2 3 8         | 1 2 8     | _____ | _____          |
| 07   |      | _____ | 1 2    | _____ | _____          | 1 2 3 8         | 1 2 8     | _____ | _____          |
| 08   |      | _____ | 1 2    | _____ | _____          | 1 2 3 8         | 1 2 8     | _____ | _____          |
| 09   |      | _____ | 1 2    | _____ | _____          | 1 2 3 8         | 1 2 8     | _____ | _____          |
| 10   |      | _____ | 1 2    | _____ | _____          | 1 2 3 8         | 1 2 8     | _____ | _____          |

|   |  |  |  |       |
|---|--|--|--|-------|
| * Codes for level of education for <b>ED5</b> , <b>ED10</b> , and <b>ED16</b> : | 00 ECE<br>01 PRIMARY<br>02 LOWER SECONDARY | 03 UPPER SECONDARY<br>04 CERTIFICATE (VCE / TCE)<br>05 DIPLOMA (HVC / CTV / HTC) | 06 BACHELOR DEGREE<br>07 MASTER DEGREE<br>08 DOCTORAL DEGREE | 98 DK |
|---|--|--|--|-------|



| HOUSEHOLD CHARACTERISTICS  |   | HC |
|--|---|----|
| <b>HC1A.</b> What is the religion of ( <i>name of the head of the household from HL2</i> )?  | BUDDHISM..... 1<br>ISLAM..... 2<br>CHRISTIANITY ..... 3<br><br>OTHER RELIGION<br>( <i>specify</i> ) ..... 6<br><br>NO RELIGION ..... 7  |    |
| <b>HC1B.</b> What is the native language of ( <i>name of the head of the household from HL2</i> )?   | THAI (INCLUDING LOCAL DIALECTS) ..... 01<br>ENGLISH..... 02<br>CHINESE ..... 03<br>BURMESE ..... 04<br>KHMER / KUY ..... 05<br>MALAY / JAWI..... 06<br>LAO..... 07<br>KAREN ..... 08<br>HMONG..... 09<br>LAHU ..... 10<br>MON..... 11<br>LAWLA ..... 12<br>AKHA ..... 13<br>NYEU ..... 14<br>SHAN ..... 15<br><br>OTHER LANGUAGE<br>( <i>specify</i> ) ..... 96   |    |
| <b>HC3.</b> How many rooms do members of this household usually use for sleeping?  | NUMBER OF ROOMS..... __ __  |    |
| <b>HC4.</b> Main material of the dwelling floor.<br><br><i>Record observation.</i><br><br><i>If observation is not possible, ask the respondent to determine the material of the dwelling floor.</i> | <b>NATURAL FLOOR</b><br>EARTH / SAND ..... 11<br><b>RUDIMENTARY FLOOR</b><br>WOOD PLANKS ..... 21<br>PALM / BAMBOO..... 22<br><b>FINISHED FLOOR</b><br>PARQUET OR POLISHED WOOD ..... 31<br>VINYL OR ASPHALT STRIPS ..... 32<br>CERAMIC TILES ..... 33<br>CEMENT ..... 34<br>CARPET ..... 35<br>LAMINATE / ENGINEERED WOOD ..... 36<br>MARBLE / POLISHED /<br>GRANITE STONE ..... 37<br><br>OTHER ( <i>specify</i> ) ..... 96 |    |

| <p><b>HC5. Main material of the roof.</b></p> <p><i>Record observation.</i></p>   | <p><b>NATURAL ROOFING</b></p> <p>THATCH (E.G. NIPA PALM / SUGAR PALM / PALM / COCONUT LEAF) ..... 12</p> <p>SOD (E.G. COGON GRASS / VETIVER GRASS)..... 13</p> <p><b>RUDIMENTARY ROOFING</b></p> <p>WOOD PLANKS ..... 23</p> <p><b>FINISHED ROOFING</b></p> <p>CERAMIC TILES ..... 34</p> <p>CEMENT..... 35</p> <p>ZINC..... 37</p> <p>STEEL / METAL SHEET ..... 38</p> <p>ALUMINUM / OTHER METAL..... 39</p> <p>OTHER (<i>specify</i>) ..... 96</p>   |    |     |    |          |   |   |                   |   |   |                             |   |   |               |   |   |               |   |   |                     |   |   |                                 |   |   |                     |   |   |  |
|---|--|----|-----|----|----------|---|---|-------------------|---|---|-----------------------------|---|---|---------------|---|---|---------------|---|---|---------------------|---|---|---------------------------------|---|---|---------------------|---|---|--|
| <p><b>HC6. Main material of the exterior walls.</b></p> <p><i>Record observation.</i></p>   | <p><b>NATURAL WALLS</b></p> <p>TRUNKS ..... 12</p> <p><b>RUDIMENTARY WALLS</b></p> <p>BAMBOO..... 21</p> <p>PLYWOOD ..... 24</p> <p>REUSED WOOD ..... 26</p> <p><b>FINISHED WALLS</b></p> <p>CEMENT..... 31</p> <p>STONE WITH CEMENT..... 32</p> <p>BRICKS..... 33</p> <p>CEMENT BLOCKS / BLOCK BRICKS ..... 34</p> <p>WOOD PLANKS ..... 36</p> <p>TIN ..... 37</p> <p>GYPSUM BOARD..... 38</p> <p>ARTIFICIAL WOOD / FIBER CEMENT BOARD ..... 39</p> <p>STEEL / METAL SHEET ..... 40</p> <p>OTHER (<i>specify</i>) ..... 96</p>  |    |     |    |          |   |   |                   |   |   |                             |   |   |               |   |   |               |   |   |                     |   |   |                                 |   |   |                     |   |   |  |
| <p><b>HC7. Does your household have:</b></p> <p>[C] A bed?</p> <p>[D] A dining table?</p> <p>[E] A sofa / living room furniture set?</p> <p>[F] A wardrobe?</p> <p>[G] A showcase?</p> <p>[H] A pantry cabinet?</p> <p>[I] A water tank / big water jar?</p> <p>[J] A charcoal stove?</p> | <table border="1"> <thead> <tr> <th></th> <th>YES</th> <th>NO</th> </tr> </thead> <tbody> <tr> <td>BED.....</td> <td>1</td> <td>2</td> </tr> <tr> <td>DINING TABLE.....</td> <td>1</td> <td>2</td> </tr> <tr> <td>SOFA / LIVING ROOM SET.....</td> <td>1</td> <td>2</td> </tr> <tr> <td>WARDROBE.....</td> <td>1</td> <td>2</td> </tr> <tr> <td>SHOWCASE.....</td> <td>1</td> <td>2</td> </tr> <tr> <td>PANTRY CABINET.....</td> <td>1</td> <td>2</td> </tr> <tr> <td>WATER TANK / BIG WATER JAR.....</td> <td>1</td> <td>2</td> </tr> <tr> <td>CHARCOAL STOVE.....</td> <td>1</td> <td>2</td> </tr> </tbody> </table> |    | YES | NO | BED..... | 1 | 2 | DINING TABLE..... | 1 | 2 | SOFA / LIVING ROOM SET..... | 1 | 2 | WARDROBE..... | 1 | 2 | SHOWCASE..... | 1 | 2 | PANTRY CABINET..... | 1 | 2 | WATER TANK / BIG WATER JAR..... | 1 | 2 | CHARCOAL STOVE..... | 1 | 2 |  |
|   | YES  | NO |     |    |          |   |   |                   |   |   |                             |   |   |               |   |   |               |   |   |                     |   |   |                                 |   |   |                     |   |   |  |
| BED.....  | 1  | 2  |     |    |          |   |   |                   |   |   |                             |   |   |               |   |   |               |   |   |                     |   |   |                                 |   |   |                     |   |   |  |
| DINING TABLE.....   | 1  | 2  |     |    |          |   |   |                   |   |   |                             |   |   |               |   |   |               |   |   |                     |   |   |                                 |   |   |                     |   |   |  |
| SOFA / LIVING ROOM SET.....   | 1  | 2  |     |    |          |   |   |                   |   |   |                             |   |   |               |   |   |               |   |   |                     |   |   |                                 |   |   |                     |   |   |  |
| WARDROBE.....   | 1  | 2  |     |    |          |   |   |                   |   |   |                             |   |   |               |   |   |               |   |   |                     |   |   |                                 |   |   |                     |   |   |  |
| SHOWCASE.....   | 1  | 2  |     |    |          |   |   |                   |   |   |                             |   |   |               |   |   |               |   |   |                     |   |   |                                 |   |   |                     |   |   |  |
| PANTRY CABINET.....   | 1  | 2  |     |    |          |   |   |                   |   |   |                             |   |   |               |   |   |               |   |   |                     |   |   |                                 |   |   |                     |   |   |  |
| WATER TANK / BIG WATER JAR.....   | 1  | 2  |     |    |          |   |   |                   |   |   |                             |   |   |               |   |   |               |   |   |                     |   |   |                                 |   |   |                     |   |   |  |
| CHARCOAL STOVE.....   | 1  | 2  |     |    |          |   |   |                   |   |   |                             |   |   |               |   |   |               |   |   |                     |   |   |                                 |   |   |                     |   |   |  |

| <b>HC8.</b> Does your household have electricity?                                     | YES, INTERCONNECTED GRID ..... 1<br>YES, OFF-GRID (GENERATOR/ISOLATED SYSTEM) ..... 2<br>NO ..... 3  | 3 ⇒ HC10 |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
|---|--|----------|-----|----|-----------------------------|------------------------------|---|---|---------------------------------------|---|------------------------------|-------------------------------|---|------------------------------|-------------------------------|---|--------------------------------|---------------------------------|---|--|--|---|-----------------------------------|------------------------------|---|--|---|---|-------------------------|-------------------------|---|----------------------|----------------------|---|-----------------------|------------------------|---|---------------------------------|-------------------------------------|---|-----------------------------|-----------------------------|---|-------------------------------------|---------------------------------|---|--|
| <b>HC9.</b> Does your household have:   | <table border="0"> <thead> <tr> <th></th> <th style="text-align: center;">YES</th> <th style="text-align: center;">NO</th> </tr> </thead> <tbody> <tr> <td>[A] A plain television set?</td> <td>PLAIN TELEVISION SET ..... 1</td> <td>2</td> </tr> <tr> <td>[B] An LCD / LED / plasma monitor television?</td> <td>LCD/LED/<br/>PLASMA TELEVISION ..... 1</td> <td>2</td> </tr> <tr> <td>[C] A one-door refrigerator?</td> <td>ONE-DOOR REFRIGERATOR ..... 1</td> <td>2</td> </tr> <tr> <td>[D] A two-door refrigerator?</td> <td>TWO-DOOR REFRIGERATOR ..... 1</td> <td>2</td> </tr> <tr> <td>[E] A multi-door refrigerator?</td> <td>MULTI-DOOR REFRIGERATOR ..... 1</td> <td>2</td> </tr> <tr> <td>[F] A top-load washing machine?</td> <td>TOP-LOAD WASHING MACHINE .... 1</td> <td>2</td> </tr> <tr> <td>[G] A front-load washing machine?</td> <td>FRONT-LOAD WASHING MACHINE 1</td> <td>2</td> </tr> <tr> <td>[H] A clothes dryer?</td> <td>CLOTHES DRYER ..... 1</td> <td>2</td> </tr> <tr> <td>[I] An air conditioner?</td> <td>AIR CONDITIONER ..... 1</td> <td>2</td> </tr> <tr> <td>[J] An air purifier?</td> <td>AIR PURIFIER ..... 1</td> <td>2</td> </tr> <tr> <td>[K] A microwave oven?</td> <td>MICROWAVE OVEN ..... 1</td> <td>2</td> </tr> <tr> <td>[L] A water heater in bathroom?</td> <td>WATER HEATER<br/>IN BATHROOM ..... 1</td> <td>2</td> </tr> <tr> <td>[M] An electric water pump?</td> <td>ELECTRIC WATER PUMP ..... 1</td> <td>2</td> </tr> <tr> <td>[N] An air fryer / convection oven?</td> <td>AIR FRYER / CONVECTION OVEN . 1</td> <td>2</td> </tr> </tbody> </table> |          | YES | NO | [A] A plain television set? | PLAIN TELEVISION SET ..... 1 | 2 | [B] An LCD / LED / plasma monitor television? | LCD/LED/<br>PLASMA TELEVISION ..... 1 | 2 | [C] A one-door refrigerator? | ONE-DOOR REFRIGERATOR ..... 1 | 2 | [D] A two-door refrigerator? | TWO-DOOR REFRIGERATOR ..... 1 | 2 | [E] A multi-door refrigerator? | MULTI-DOOR REFRIGERATOR ..... 1 | 2 | [F] A top-load washing machine?          | TOP-LOAD WASHING MACHINE .... 1              | 2 | [G] A front-load washing machine? | FRONT-LOAD WASHING MACHINE 1 | 2 | [H] A clothes dryer?                     | CLOTHES DRYER ..... 1                       | 2 | [I] An air conditioner? | AIR CONDITIONER ..... 1 | 2 | [J] An air purifier? | AIR PURIFIER ..... 1 | 2 | [K] A microwave oven? | MICROWAVE OVEN ..... 1 | 2 | [L] A water heater in bathroom? | WATER HEATER<br>IN BATHROOM ..... 1 | 2 | [M] An electric water pump? | ELECTRIC WATER PUMP ..... 1 | 2 | [N] An air fryer / convection oven? | AIR FRYER / CONVECTION OVEN . 1 | 2 |  |
|   | YES  | NO       |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [A] A plain television set?   | PLAIN TELEVISION SET ..... 1   | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [B] An LCD / LED / plasma monitor television?   | LCD/LED/<br>PLASMA TELEVISION ..... 1  | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [C] A one-door refrigerator?  | ONE-DOOR REFRIGERATOR ..... 1  | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [D] A two-door refrigerator?  | TWO-DOOR REFRIGERATOR ..... 1  | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [E] A multi-door refrigerator?  | MULTI-DOOR REFRIGERATOR ..... 1  | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [F] A top-load washing machine?   | TOP-LOAD WASHING MACHINE .... 1  | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [G] A front-load washing machine?   | FRONT-LOAD WASHING MACHINE 1   | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [H] A clothes dryer?  | CLOTHES DRYER ..... 1  | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [I] An air conditioner?   | AIR CONDITIONER ..... 1  | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [J] An air purifier?  | AIR PURIFIER ..... 1   | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [K] A microwave oven?   | MICROWAVE OVEN ..... 1   | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [L] A water heater in bathroom?   | WATER HEATER<br>IN BATHROOM ..... 1  | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [M] An electric water pump?   | ELECTRIC WATER PUMP ..... 1  | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [N] An air fryer / convection oven?   | AIR FRYER / CONVECTION OVEN . 1  | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| <b>HC10.</b> Does any member of your household own:                                   | <table border="0"> <thead> <tr> <th></th> <th style="text-align: center;">YES</th> <th style="text-align: center;">NO</th> </tr> </thead> <tbody> <tr> <td>[A] A wristwatch?</td> <td>WRISTWATCH ..... 1</td> <td>2</td> </tr> <tr> <td>[B] A bicycle?</td> <td>BICYCLE ..... 1</td> <td>2</td> </tr> <tr> <td>[C] A motorcycle or scooter?</td> <td>MOTORCYCLE / SCOOTER ..... 1</td> <td>2</td> </tr> <tr> <td>[E] A car, truck or van?</td> <td>CAR / TRUCK / VAN ..... 1</td> <td>2</td> </tr> <tr> <td>[F] A boat with a motor?</td> <td>BOAT WITH MOTOR ..... 1</td> <td>2</td> </tr> <tr> <td>[G] A 2-wheel tractor (walking tractor)?</td> <td>2-WHEEL TRACTOR<br/>(WALKING TRACTOR) ..... 1</td> <td>2</td> </tr> <tr> <td>[H] A 4-wheel tractor?</td> <td>4-WHEEL TRACTOR ..... 1</td> <td>2</td> </tr> <tr> <td>[I] A large sized motorcycle (big bike)?</td> <td>LARGE MOTORCYCLE (<i>big bike</i>) .... 1</td> <td>2</td> </tr> </tbody> </table>   |          | YES | NO | [A] A wristwatch?           | WRISTWATCH ..... 1           | 2 | [B] A bicycle?                                | BICYCLE ..... 1                       | 2 | [C] A motorcycle or scooter? | MOTORCYCLE / SCOOTER ..... 1  | 2 | [E] A car, truck or van?     | CAR / TRUCK / VAN ..... 1     | 2 | [F] A boat with a motor?       | BOAT WITH MOTOR ..... 1         | 2 | [G] A 2-wheel tractor (walking tractor)? | 2-WHEEL TRACTOR<br>(WALKING TRACTOR) ..... 1 | 2 | [H] A 4-wheel tractor?            | 4-WHEEL TRACTOR ..... 1      | 2 | [I] A large sized motorcycle (big bike)? | LARGE MOTORCYCLE ( <i>big bike</i> ) .... 1 | 2 |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
|   | YES  | NO       |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [A] A wristwatch?   | WRISTWATCH ..... 1   | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [B] A bicycle?  | BICYCLE ..... 1  | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [C] A motorcycle or scooter?  | MOTORCYCLE / SCOOTER ..... 1   | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [E] A car, truck or van?  | CAR / TRUCK / VAN ..... 1  | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [F] A boat with a motor?  | BOAT WITH MOTOR ..... 1  | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [G] A 2-wheel tractor (walking tractor)?  | 2-WHEEL TRACTOR<br>(WALKING TRACTOR) ..... 1   | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [H] A 4-wheel tractor?  | 4-WHEEL TRACTOR ..... 1  | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| [I] A large sized motorcycle (big bike)?  | LARGE MOTORCYCLE ( <i>big bike</i> ) .... 1  | 2        |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| <b>HC11.</b> Does any member of your household have a computer or a tablet?           | YES ..... 1<br>NO ..... 2  | 2 ⇒ HC12 |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |
| <b>HC11A.</b> What kind of computer or tablet does any member of your household have? | DESKTOP COMPUTER ..... A<br>LAPTOP ..... B<br>TABLET ..... C   |          |     |    |                             |                              |   |   |                                       |   |                              |                               |   |                              |                               |   |                                |                                 |   |  |  |   |                                   |                              |   |  |   |   |                         |                         |   |                      |                      |   |                       |                        |   |                                 |                                     |   |                             |                             |   |                                     |                                 |   |  |

|  |  |        |
|--|--|--------|
| <b>HC12.</b> Does any member of your household have a mobile telephone?  | YES ..... 1<br>NO ..... 2  | 2⇒HC13 |
| <b>HC12A.</b> What kind of mobile telephone does any member of your household have?  | SMARTPHONE ..... A<br>KEYPAD MOBILE PHONE ..... B  |        |
| <b>HC13.</b> Does your household have access to internet at home?  | YES ..... 1<br>NO ..... 2  |        |
| <b>HC14.</b> Do you or someone living in this household own this dwelling?<br><br><i>If 'No', then ask: Do you rent this dwelling from someone not living in this household?</i><br><br><i>If 'Rented from someone else', record '2'. For other responses, record '96' and specify.</i>  | OWN ..... 01<br>RENT..... 02<br>HIRE-PURCHASE..... 03<br><br>BELONG TO RELATIVE<br>NOT IN HOUSEHOLD..... 04<br>WELFARE FROM WORK..... 05<br>DWELLING BUILT ON PUBLIC LAND ..... 06<br>DWELLING BUILT ON RENTED LAND..... 07<br><br>OTHER ( <i>specify</i> ) ..... 96 |        |
| <b>HC15.</b> Does any member of this household own any land that can be used for agriculture?  | YES ..... 1<br>NO ..... 2  | 2⇒HC17 |
| <b>HC16.</b> How many rais of agricultural land do members of this household own?<br><i>If the area is less than one rais, record '00'.<br/>If 95 or more rais, record '95'.<br/>If unknown, record '98'.<br/>For more details on conversions, please refer to manual.</i>   | AREA ( <i>rais</i> ) ..... ____  |        |
| <b>HC17.</b> Does this household own any livestock, herds, other farm animals, or poultry?   | YES ..... 1<br>NO ..... 2  | 2⇒HC19 |
| <b>HC18.</b> How many of the following animals does this household have?<br><br>[A] Milk cows or bulls?<br><br>[B] Buffaloes?<br><br>[C] Horses, donkeys or mules?<br><br>[D] Goats?<br><br>[E] Sheep?<br><br>[F] Chickens?<br><br>[G] Pigs?<br><br>[H] Ducks or geese?<br><br><i>If none, record '00'. If 95 or more, record '95'.<br/>If unknown, record '98'.</i> | MILK COWS OR BULLS ..... ____<br><br>BUFFALOES ..... ____<br><br>HORSES, DONKEYS OR MULES..... ____<br><br>GOATS..... ____<br><br>SHEEP ..... ____<br><br>CHICKENS ..... ____<br><br>PIGS ..... ____<br><br>DUCKS OR GEESE..... ____                                 |        |
| <b>HC19.</b> Does any member of this household have a bank account?  | YES ..... 1<br>NO ..... 2  |        |
| <b>HC20.</b> Does any member of the household have a credit card?  | YES ..... 1<br>NO ..... 2  |        |

**SOCIAL TRANSFERS**

**ST**

**ST1.** I would like to ask you about various external economic assistance programmes provided to households. By external assistance I mean support that comes from the government or from non-governmental organizations such as religious, charitable, or community-based organizations. This excludes support from family, other relatives, friends or neighbours.

|  | [A]<br>STATE WELFARE<br>CARD   | [B]<br>OLD AGE<br>ALLOWANCE  | [C]<br>CHILD SUPPORT<br>GRANT  | [D]<br>ANY RETIREMENT<br>PENSION   | [E]<br>SOCIAL SECURITY<br>FUND   | [X]<br>ANY OTHER<br>EXTERNAL<br>ASSISTANCE<br>PROGRAMME  |
|--|--|--|--|--|--|--|
| <b>ST2.</b> Are you aware of ( <i>name of programme</i> )?   | YES ..... 1 <input type="checkbox"/> ST3<br>NO ..... 2 <input type="checkbox"/> [B]  | YES ..... 1 <input type="checkbox"/> ST3<br>NO ..... 2 <input type="checkbox"/> [C]  | YES ..... 1 <input type="checkbox"/> ST3<br>NO ..... 2 <input type="checkbox"/> [D]  | YES ..... 1 <input type="checkbox"/> ST3<br>NO ..... 2 <input type="checkbox"/> [E]  | YES ..... 1 <input type="checkbox"/> ST3<br>NO ..... 2 <input type="checkbox"/> [X]  | YES ( <i>specify</i> ) ..... 1 <input type="checkbox"/> ST3<br>NO ..... 2 <input type="checkbox"/> Next module   |
| <b>ST3.</b> Has your household or anyone in your household received assistance through ( <i>name of programme</i> )?   | YES ..... 1 <input type="checkbox"/> ST4<br>NO ..... 2 <input type="checkbox"/> [B]<br>DK ..... 8 <input type="checkbox"/> [B]                           | YES ..... 1 <input type="checkbox"/> ST4<br>NO ..... 2 <input type="checkbox"/> [C]<br>DK ..... 8 <input type="checkbox"/> [C]                           | YES ..... 1 <input type="checkbox"/> ST4<br>NO ..... 2 <input type="checkbox"/> [D]<br>DK ..... 8 <input type="checkbox"/> [D]                           | YES ..... 1 <input type="checkbox"/> ST4<br>NO ..... 2 <input type="checkbox"/> [E]<br>DK ..... 8 <input type="checkbox"/> [E]                           | YES ..... 1 <input type="checkbox"/> ST4<br>NO ..... 2 <input type="checkbox"/> [X]<br>DK ..... 8 <input type="checkbox"/> [X]                           | YES ..... 1 <input type="checkbox"/> ST4<br>NO ..... 2 <input type="checkbox"/> Next module<br>DK ..... 8 <input type="checkbox"/> Next module                                   |
| <b>ST4.</b> When was the <u>last time</u> your household or anyone in your household received assistance through ( <i>name of programme</i> )?<br><br><i>If less than one month, record '1' and record '00' in Months.</i><br><br><i>If less than 12 months, record '1' and record in Months.</i><br><br><i>If 1 year/12 months or more, record '2' and record in Years.</i> | MONTHS AGO ..... 1 ____ <input type="checkbox"/> [B]<br>YEARS AGO ..... 2 ____ <input type="checkbox"/> [B]<br>DK ..... 998 <input type="checkbox"/> [B] | MONTHS AGO ..... 1 ____ <input type="checkbox"/> [C]<br>YEARS AGO ..... 2 ____ <input type="checkbox"/> [C]<br>DK ..... 998 <input type="checkbox"/> [C] | MONTHS AGO ..... 1 ____ <input type="checkbox"/> [D]<br>YEARS AGO ..... 2 ____ <input type="checkbox"/> [D]<br>DK ..... 998 <input type="checkbox"/> [D] | MONTHS AGO ..... 1 ____ <input type="checkbox"/> [E]<br>YEARS AGO ..... 2 ____ <input type="checkbox"/> [E]<br>DK ..... 998 <input type="checkbox"/> [E] | MONTHS AGO ..... 1 ____ <input type="checkbox"/> [X]<br>YEARS AGO ..... 2 ____ <input type="checkbox"/> [X]<br>DK ..... 998 <input type="checkbox"/> [X] | MONTHS AGO ..... 1 ____ <input type="checkbox"/> Next module<br>YEARS AGO ..... 2 ____ <input type="checkbox"/> Next module<br>DK ..... 998 <input type="checkbox"/> Next module |

| HOUSEHOLD ENERGY USE  |  | EU      |
|---|--|---------|
| <b>EU1.</b> In your household, what type of cookstove is <u>mainly</u> used for <u>cooking</u> ?  | ELECTRIC STOVE ..... 01                                      | 01 ⇒EU5 |
|   | SOLAR COOKER ..... 02  | 02 ⇒EU5 |
|   | LIQUEFIED PETROLEUM GAS (LPG)/<br>COOKING GAS STOVE ..... 03 | 03 ⇒EU5 |
|   | BIOGAS STOVE ..... 05  | 05 ⇒EU5 |
|   | THREE STONE STOVE / OPEN FIRE ..... 09                       | 09 ⇒EU4 |
|   | CHARCOAL STOVE ..... 10                                      |         |
|   | OTHER ( <i>specify</i> ) _____ 96                            | 96 ⇒EU4 |
| NO FOOD COOKED IN<br>HOUSEHOLD ..... 97   | 97 ⇒EU9  |         |
| <b>EU2.</b> Does it have a chimney?   | YES ..... 1  |         |
|   | NO ..... 2   |         |
|   | DK ..... 8   |         |
| <b>EU4.</b> What type of fuel or energy source is used in this cookstove?<br><br><i>If more than one, record the main energy source for this cookstove.</i>   | ALCOHOL / ETHANOL ..... 01                                   |         |
|   | GASOLINE / DIESEL ..... 02                                   |         |
|   | KEROSENE / PARAFFIN ..... 03                                 |         |
|   | COAL / LIGNITE ..... 04                                      |         |
|   | CHARCOAL ..... 05  |         |
|   | WOOD ..... 06  |         |
|   | CROP RESIDUE / GRASS /<br>STRAW / SHRUBS ..... 07            |         |
|   | ANIMAL DUNG / WASTE ..... 08                                 |         |
|   | PROCESSED BIOMASS (PELLETS) OR<br>WOODCHIPS ..... 09         |         |
|   | GARBAGE / PLASTIC ..... 10                                   |         |
|   | SAWDUST ..... 11   |         |
| OTHER ( <i>specify</i> ) _____ 96   |  |         |
| <b>EU5.</b> Is the cooking usually done in the house, in a separate building, or outdoors?<br><br><i>If in main house, probe to determine if cooking is done in a separate room.</i><br><br><i>If outdoors, probe to determine if cooking is done on veranda, covered porch, or open air.</i> | IN MAIN HOUSE<br>NO SEPARATE ROOM ..... 1                    |         |
|   | IN A SEPARATE ROOM ..... 2                                   |         |
|   | IN A SEPARATE BUILDING ..... 3                               |         |
|   | OUTDOORS<br>OPEN AIR ..... 4                                 |         |
|   | ON VERANDA OR COVERED PORCH ..... 5                          |         |
|   | OTHER ( <i>specify</i> ) _____ 6                             |         |

|  |  |  |
|--|--|--|
| <p><b>EU9.</b> At night, what does your household <u>mainly</u> use to <u>light</u> the household?</p> | <p>ELECTRICITY ..... 01<br/> SOLAR LANTERN ..... 02<br/> RECHARGEABLE FLASHLIGHT,<br/> TORCH OR LANTERN ..... 03<br/> BATTERY POWERED FLASHLIGHT,<br/> TORCH OR LANTERN ..... 04<br/> BIOGAS LAMP ..... 05<br/> GASOLINE LAMP ..... 06<br/> <br/> KEROSENE OR PARAFFIN LAMP ..... 07<br/> CHARCOAL ..... 08<br/> WOOD ..... 09<br/> CROP RESIDUE / GRASS /<br/> STRAW / SHRUBS ..... 10<br/> ANIMAL DUNG / WASTE ..... 11<br/> CANDLE ..... 13<br/> <br/> OTHER (<i>specify</i>) _____ 96<br/> <br/> NO LIGHTING IN HOUSEHOLD ..... 97</p> |  |
|--|--|--|

**WATER AND SANITATION**

**WS**

**WS1.** What is the main source of drinking water used by members of your household?

*If unclear, probe to identify the place from which members of this household most often collect drinking water (collection point).*

|   |                |
|---|----------------|
| <b>PIPED WATER</b>  |                |
| PIPED INTO DWELLING .....   | 11 11 ⇨WS7     |
| PIPED TO YARD / PLOT .....  | 12 12 ⇨WS7     |
| PIPED TO NEIGHBOUR .....  | 13 13 ⇨WS3     |
| PUBLIC TAP / STANDPIPE.....   | 14 14 ⇨WS3     |
| <br>TUBE WELL / BOREHOLE.....   | <br>21 21 ⇨WS3 |
| <b>DUG WELL</b>   |                |
| PROTECTED WELL.....   | 31 31 ⇨WS3     |
| UNPROTECTED WELL.....   | 32 32 ⇨WS3     |
| <br>RAINWATER.....  | <br>51 51 ⇨WS3 |
| TANKER-TRUCK.....   | 61 61 ⇨WS4     |
| SURFACE WATER (RIVER, DAM, LAKE,<br>POND, STREAM, CANAL, IRRIGATION<br>CHANNEL) ..... | 81 81 ⇨WS3     |
| <b>PACKAGED WATER</b>   |                |
| BOTTLED WATER .....   | 91             |
| PACKAGED WATER: GALLON SIZED<br>WATER.....  | 93             |
| PACKAGED WATER: GLASS /<br>CUP WATER .....  | 94             |
| <br>COIN-OPERATED WATER DISPENSER.....  | <br>95         |
| OTHER ( <i>specify</i> ).....   | 96 96 ⇨WS3     |

**WS2.** What is the main source of water used by members of your household for other purposes such as cooking and handwashing?

*If unclear, probe to identify the place from which members of this household most often collect water for other purposes.*

|   |            |
|---|------------|
| <b>PIPED WATER</b>  |            |
| PIPED INTO DWELLING .....   | 11 11 ⇨WS7 |
| PIPED TO YARD / PLOT .....  | 12 12 ⇨WS7 |
| PIPED TO NEIGHBOUR .....  | 13         |
| PUBLIC TAP / STANDPIPE.....   | 14         |
| <br>TUBE WELL / BOREHOLE.....   | <br>21     |
| <b>DUG WELL</b>   |            |
| PROTECTED WELL.....   | 31         |
| UNPROTECTED WELL.....   | 32         |
| <br>RAINWATER.....  | <br>51     |
| TANKER-TRUCK.....   | 61 61 ⇨WS4 |
| SURFACE WATER (RIVER, DAM, LAKE,<br>POND, STREAM, CANAL, IRRIGATION<br>CHANNEL) ..... | 81         |
| OTHER ( <i>specify</i> ).....   | 96         |

**WS3.** Where is that water source located?

|                         |          |
|-------------------------|----------|
| IN OWN DWELLING .....   | 1 1 ⇨WS7 |
| IN OWN YARD / PLOT..... | 2 2 ⇨WS7 |
| ELSEWHERE .....         | 3        |



|  |  |                               |
|--|--|-------------------------------|
| <p><b>WS4.</b> How long does it take for members of your household to go there, get water, and come back?</p>  | <p>MEMBERS DO NOT COLLECT .....000</p> <p>NUMBER OF MINUTES .....__ __</p> <p>DK.....998</p>   | <p>000 ⇒WS7</p>               |
| <p><b>WS5.</b> Who usually goes to this source to collect the water for your household?</p> <p><i>Record the name of the person and copy the line number of this person from the LIST OF HOUSEHOLD MEMBERS Module.</i></p> | <p>NAME_____</p> <p>LINE NUMBER.....__ __</p>  |                               |
| <p><b>WS6.</b> Since last (<i>day of the week</i>), how many times has this person collected water?</p>  | <p>NUMBER OF TIMES.....__ __</p> <p>DK.....98</p>  |                               |
| <p><b>WS7.</b> In the last month, has there been any time when your household did not have sufficient quantities of drinking water?</p>  | <p>YES, AT LEAST ONCE.....1</p> <p>NO, ALWAYS SUFFICIENT .....2</p> <p>DK.....8</p>  | <p>2 ⇒WS9</p> <p>8 ⇒WS9</p>   |
| <p><b>WS8.</b> What was the main reason that you were unable to access water in sufficient quantities when needed?</p>   | <p>WATER NOT AVAILABLE FROM SOURCE....1</p> <p>WATER TOO EXPENSIVE.....2</p> <p>SOURCE NOT ACCESSIBLE.....3</p> <p>OTHER (<i>specify</i>)_____6</p> <p>DK.....8</p>  |                               |
| <p><b>WS9.</b> Do you or any other member of this household do anything to the water to make it safer to drink?</p>  | <p>YES .....1</p> <p>NO.....2</p> <p>DK.....8</p>  | <p>2 ⇒WS11</p> <p>8 ⇒WS11</p> |
| <p><b>WS10.</b> What do you usually do to make the water safer to drink?</p> <p><i>Probe:</i><br/>Anything else?</p> <p><i>Record all methods mentioned.</i></p>   | <p>BOIL .....A</p> <p>ADD BLEACH / CHLORINE .....B</p> <p>STRAIN IT THROUGH A CLOTH.....C</p> <p>USE WATER FILTER (CERAMIC, SAND, COMPOSITE, ETC.) .....D</p> <p>SOLAR DISINFECTION .....E</p> <p>LET IT STAND AND SETTLE .....F</p> <p>OTHER (<i>specify</i>)_____X</p> <p>DK.....Z</p> |                               |

|   |   |  |
|---|---|--|
| <p><b>WS11.</b> What kind of toilet facility do members of your household usually use?</p> <p><i>If 'Flush' or 'Pour flush', probe:</i><br/>Where does it flush to?</p> <p><i>If not possible to determine, ask permission to observe the facility.</i></p> | <p><b>FLUSH / POUR FLUSH</b><br/> FLUSH TO PIPED SEWER SYSTEM.....11<br/> FLUSH TO SEPTIC TANK.....12<br/> FLUSH TO PIT LATRINE .....13<br/> FLUSH TO OPEN DRAIN .....14<br/> FLUSH TO DK WHERE .....18</p> <p><b>PIT LATRINE</b><br/> VENTILATED IMPROVED PIT<br/> LATRINE.....21<br/> PIT LATRINE WITH SLAB .....22<br/> PIT LATRINE WITHOUT SLAB /<br/> OPEN PIT .....23</p> <p>NO FACILITY / BUSH / FIELD.....95<br/> OTHER (<i>specify</i>).....96</p> | <p>11 ⇒WS14<br/> 14 ⇒WS14<br/> 18 ⇒WS14</p> <p>95 ⇒Next module<br/> 96 ⇒WS14</p> |
| <p><b>WS12.</b> Has your (<i>answer from WS11</i>) ever been emptied?</p>   | <p>YES, EMPTIED .....1<br/> NO, NEVER EMPTIED .....4<br/> DK.....8</p>  | <p>4 ⇒WS14<br/> 8 ⇒WS14</p>  |
| <p><b>WS13.</b> The last time it was emptied, where were the contents emptied to?</p> <p><i>Probe:</i><br/>Was it removed by a service provider?</p>  | <p><b>REMOVED BY SERVICE PROVIDER</b><br/> TO A TREATMENT PLANT.....1<br/> BURIED IN A COVERED PIT .....2<br/> TO DON'T KNOW WHERE.....3</p> <p><b>EMPTIED BY HOUSEHOLD</b><br/> BURIED IN A COVERED PIT .....4<br/> TO UNCOVERED PIT, OPEN GROUND,<br/> WATER BODY OR ELSEWHERE.....5</p> <p>OTHER (<i>specify</i>).....6<br/> DK.....8</p>  |  |
| <p><b>WS14.</b> Where is this toilet facility located?</p>  | <p>IN OWN DWELLING .....1<br/> IN OWN YARD / PLOT .....2<br/> ELSEWHERE .....3</p>  |  |
| <p><b>WS15.</b> Do you share this facility with others who are not members of your household?</p>   | <p>YES .....1<br/> NO.....2</p>   | <p>2 ⇒ Next module</p>   |
| <p><b>WS16.</b> Do you share this facility only with members of other households that you know, or is the facility open to the use of the general public?</p>   | <p>SHARED WITH KNOWN HOUSEHOLDS<br/> (NOT PUBLIC).....1<br/> SHARED WITH GENERAL PUBLIC.....2</p>   | <p>2 ⇒ Next module</p>   |
| <p><b>WS17.</b> How many households in total use this toilet facility, including your own household?</p>  | <p>NUMBER OF HOUSEHOLDS<br/> (IF LESS THAN 10) .....0 _<br/> TEN OR MORE HOUSEHOLDS .....10<br/> DK.....98</p>  |  |

| HANDWASHING  |   | HW   |
|--|---|--|
| <p><b>HW1.</b> We would like to learn about where members of this household wash their hands.</p> <p>Can you please show me where members of your household <u>most often</u> wash their hands?</p> <p><i>Record result and observation.</i></p> | <p><b>OBSERVED</b></p> <p>FIXED FACILITY OBSERVED (SINK / TAP)</p> <p>IN DWELLING .....1</p> <p>IN YARD / PLOT .....2</p> <p>MOBILE OBJECT OBSERVED (BUCKET / JUG / KETTLE) .....3</p> <p><b>NOT OBSERVED</b></p> <p>NO HANDWASHING PLACE IN DWELLING / YARD / PLOT .....4</p> <p>NO PERMISSION TO SEE .....5</p> <p>OTHER REASON (<i>specify</i>) .....6</p> | <p>4 ⇨ HW5</p> <p>5 ⇨ HW4</p> <p>6 ⇨ HW5</p> |
| <p><b>HW2.</b> Observe presence of water at the place for handwashing.</p> <p><i>Verify by checking the tap/pump, or basin, bucket, water container or similar objects for presence of water.</i></p>  | <p>WATER IS AVAILABLE .....1</p> <p>WATER IS NOT AVAILABLE .....2</p>   |  |
| <p><b>HW3.</b> Is soap, detergent or dishwashing liquid present at the place for handwashing?</p>  | <p>YES, PRESENT .....1</p> <p>NO, NOT PRESENT .....2</p>  | <p>1 ⇨ HW7</p> <p>2 ⇨ HW5</p>                |
| <p><b>HW4.</b> Where do you or other members of your household <u>most often</u> wash your hands?</p>  | <p>FIXED FACILITY (SINK / TAP)</p> <p>IN DWELLING .....1</p> <p>IN YARD / PLOT .....2</p> <p>MOBILE OBJECT (BUCKET / JUG / KETTLE) .....3</p> <p>NO HANDWASHING PLACE IN DWELLING / YARD / PLOT .....4</p> <p>OTHER (<i>specify</i>) .....6</p>   |  |
| <p><b>HW5.</b> Do you have any soap or detergent or dishwashing liquid in your house for washing hands?</p>  | <p>YES .....1</p> <p>NO .....2</p>  | <p>2 ⇨ Next module</p>                       |
| <p><b>HW6.</b> Can you please show it to me?</p>   | <p>YES, SHOWN .....1</p> <p>NO, NOT SHOWN .....2</p>  | <p>2 ⇨ Next module</p>                       |
| <p><b>HW7.</b> Record your observation.</p> <p><i>Record all that apply.</i></p>   | <p>BAR OR LIQUID SOAP .....A</p> <p>DETERGENT .....B</p> <p>DISHWASHING LIQUID .....D</p>   |  |

|   |  |                               |                              |                              |
|---|--|-------------------------------|------------------------------|------------------------------|
| <b>HH13.</b> Record the time.   | HOUR AND MINUTES..... __ __ : __ __  |                               |                              |                              |
| <b>HH14.</b> Language of the Questionnaire.   | THAI..... 1<br>ENGLISH ..... 2   |                               |                              |                              |
| <b>HH15.</b> Language of the Interview.   | THAI..... 1<br>ENGLISH ..... 2<br><br>OTHER LANGUAGE<br>(specify)..... 6   |                               |                              |                              |
| <b>HH16.</b> Native language of the Respondent.   | THAI.....01<br>ENGLISH .....02<br>CHINESE .....03<br>BURMESE .....04<br>KHMER / KUY .....05<br>MALAY / JAWI .....06<br>LAO .....07<br>KAREN.....08<br>HMONG .....09<br>LAHU .....10<br>MON .....11<br>LAWA .....12<br>AKHA.....13<br>NYEU .....14<br>SHAN .....15<br><br>OTHER LANGUAGE (specify) ..... 96 |                               |                              |                              |
| <b>HH17.</b> Was a translator used for any parts of this questionnaire?   | YES, ENTIRE QUESTIONNAIRE..... 1<br>YES, PART OF QUESTIONNAIRE.....2<br>NO, NOT USED .....3  |                               |                              |                              |
| <b>HH18.</b> Check HL6 in the LIST OF HOUSEHOLD MEMBERS and indicate the total number of children age 5-14 years:   | NO CHILDREN .....0<br>1 CHILD .....1<br>2 OR MORE CHILDREN (NUMBER) ..... __   | 0⇒HH29<br>1⇒HH27              |                              |                              |
| <b>HH19.</b> List each of the children age 5-14 years below in the order they appear in the LIST OF HOUSEHOLD MEMBERS. Do not include other household members outside of the age range 5-14 years. Record the line number, name, sex, and age for each child. |  |                               |                              |                              |
| <b>HH20.</b><br>Rank number   | <b>HH21.</b><br>Line number<br>From HL1  | <b>HH22.</b><br>Name from HL2 | <b>HH23.</b><br>Sex from HL4 | <b>HH24.</b><br>Age from HL6 |
| RANK  | LINE   | NAME                          | M F                          | AGE                          |
| 1   | __ __  |                               | 1 2                          | __ __                        |
| 2   | __ __  |                               | 1 2                          | __ __                        |
| 3   | __ __  |                               | 1 2                          | __ __                        |
| 4   | __ __  |                               | 1 2                          | __ __                        |
| 5   | __ __  |                               | 1 2                          | __ __                        |
| 6   | __ __  |                               | 1 2                          | __ __                        |
| 7   | __ __  |                               | 1 2                          | __ __                        |
| 8   | __ __  |                               | 1 2                          | __ __                        |

**HH25.** Check the last digit of the household number (HH2) from the HOUSEHOLD INFORMATION PANEL. This is the number of the row you should go to in the table below.

Check the total number of children age 5-14 years in HH18 above. This is the number of the column you should go to in the table below.

Find the box where the row and the column meet and record the number that appears in the box. This is the rank number (HH20) of the selected child.

| LAST DIGIT OF HOUSEHOLD NUMBER (FROM HH2) | TOTAL NUMBER OF ELIGIBLE CHILDREN IN THE HOUSEHOLD (FROM HH18) |   |   |   |   |   |    |
|---|--|---|---|---|---|---|----|
|   | 2  | 3 | 4 | 5 | 6 | 7 | 8+ |
| 0   | 2  | 2 | 4 | 3 | 6 | 5 | 4  |
| 1   | 1  | 3 | 1 | 4 | 1 | 6 | 5  |
| 2   | 2  | 1 | 2 | 5 | 2 | 7 | 6  |
| 3   | 1  | 2 | 3 | 1 | 3 | 1 | 7  |
| 4   | 2  | 3 | 4 | 2 | 4 | 2 | 8  |
| 5   | 1  | 1 | 1 | 3 | 5 | 3 | 1  |
| 6   | 2  | 2 | 2 | 4 | 6 | 4 | 2  |
| 7   | 1  | 3 | 3 | 5 | 1 | 5 | 3  |
| 8   | 2  | 1 | 4 | 1 | 2 | 6 | 4  |
| 9   | 1  | 2 | 1 | 2 | 3 | 7 | 5  |

**HH26.** Record the rank number (HH20), line number (HH21), name (HH22) and age (HH24) of the selected child.

RANK NUMBER .....

**HH27.** (When HH18=1 or when there is a single child age 5-14 in the household): Record the rank number as '1' and record the line number (HL1), the name (HL2) and age (HL6) of this child from the LIST OF HOUSEHOLD MEMBERS.

LINE NUMBER .....

NAME .....

AGE .....

**HH28.** Issue a QUESTIONNAIRE FOR CHILDREN AGE 5-14 to be administered to the mother/caretaker of this child.

**HH29.** Check HL8 in the LIST OF HOUSEHOLD MEMBERS: Are there any women age 15-49?

YES, AT LEAST ONE WOMAN AGE 15-49.....1  
NO .....2

2⇒HH34

**HH30.** Issue a separate QUESTIONNAIRE FOR INDIVIDUAL WOMEN for each woman age 15-49 years.

**HH31.** Check HL6 and HL8 in the LIST OF HOUSEHOLD MEMBERS: Are there any girls age 15-17?

YES, AT LEAST ONE GIRL AGE 15-17 .....1  
NO .....2

2⇒HH34

**HH32.** Check HL20 in the LIST OF HOUSEHOLD MEMBERS: Is consent required for interviewing at least one girl age 15-17?

YES, AT LEAST ONE GIRL AGE 15-17 WITH HL20≠90.....1  
NO, HL20=90 FOR ALL GIRLS AGE 15-17.....2

2⇒HH34

**HH33.** As part of the survey we are also interviewing women age 15-49. We ask each person we interview for permission. A female interviewer conducts these interviews.

For girls age 15-17 we must also get permission from an adult to interview them. As mentioned before, all the information we obtain will remain strictly confidential and anonymous.

May we interview (*name(s) of female member(s) age 15-17*) later?

- 'Yes' for all girls age 15-17 ⇒ Continue with HH34.
- 'No' for at least one girl age 15-17 and 'Yes' to at least one girl age 15-17 ⇒ Record '06' in WM17 (also in UF17 and FS17, if applicable) on individual questionnaires for those adult consent was not given. Then continue with HH34.
- 'No' for all girls age 15-17 ⇒ Record '06' in WM17 (also in UF17 and FS17, if applicable) on all individual questionnaires for whom adult consent was not given. Then continue with HH34.

|   |   |          |
|---|---|----------|
| <b>HH34.</b> Check HH8 in the HOUSEHOLD INFORMATION PANEL: Is the household selected for Questionnaire for Men? | YES, HH8=1 ..... 1<br>NO, HH8=2 ..... 2 | 2 ⇒ HH40 |
|---|---|----------|

|   |   |          |
|---|---|----------|
| <b>HH35.</b> Check HL9 in the LIST OF HOUSEHOLD MEMBERS: Are there any men age 15-49? | YES, AT LEAST ONE MAN AGE 15-49 ..... 1<br>NO ..... 2 | 2 ⇒ HH40 |
|---|---|----------|

**HH36.** Issue a separate QUESTIONNAIRE FOR INDIVIDUAL MEN for each man age 15-49 years.

|  |   |          |
|--|---|----------|
| <b>HH37.</b> Check HL6 and HL9 in the LIST OF HOUSEHOLD MEMBERS: Are there any boys age 15-17? | YES, AT LEAST ONE BOY AGE 15-17 ..... 1<br>NO ..... 2 | 2 ⇒ HH40 |
|--|---|----------|

|  |  |          |
|--|--|----------|
| <b>HH38.</b> Check HL20 in the LIST OF HOUSEHOLD MEMBERS: Is consent required for interviewing at least one boy age 15-17? | YES, AT LEAST ONE BOY AGE 15-17 WITH HL20≠90 ..... 1<br>NO, HL20=90 FOR ALL BOYS AGE 15-17 ..... 2 | 2 ⇒ HH40 |
|--|--|----------|

**HH39.** As part of the survey we are also interviewing men age 15-49. We ask each person we interview for permission. A male interviewer conducts these interviews.

For boys age 15-17 we must also get permission from an adult to interview them. As mentioned before, all the information we obtain will remain strictly confidential and anonymous.

May we interview (*name(s) of male member(s) age 15-17*) later?

- 'Yes' for all boys age 15-17 ⇒ Continue with HH40.
- 'No' for at least one boy age 15-17 and 'Yes' to at least one boy age 15-17 ⇒ Record '06' in MWM17 (also in UF17 and FS17, if applicable) on individual questionnaires for those adult consent was not given. Then continue with HH40.
- 'No' for all boys age 15-17 ⇒ Record '06' in MWM17 (also in UF17 and FS17, if applicable) on all individual questionnaires for whom adult consent was not given. Then continue with HH40.

|   |   |          |
|---|---|----------|
| <b>HH40.</b> Check HL10 in the LIST OF HOUSEHOLD MEMBERS: Are there any children age 0-4? | YES, AT LEAST ONE ..... 1<br>NO ..... 2 | 2 ⇒ HH60 |
|---|---|----------|

**HH41.** Issue a separate QUESTIONNAIRE FOR CHILDREN UNDER FIVE for each child age 0-4 years.

| MICS PLUS CONSENT   |                               |  |  |   |   |  |
|---|-------------------------------|--|--|---|---|--|
| <b>HH60.</b> We may call you back to talk about you and your family in the coming months. This call will take about 10-15 minutes. Again, all the information you provide will be confidential and anonymous. |                               |  | YES ..... 1<br>NO..... 2   |   | 2 ⇒ HH66  |  |
| Would you like to participate?  |                               |  |  |   |   |  |
| <b>HH61.</b> Please give me all phone numbers at which we can easily get in touch with you, starting with your preferred number. <i>If 'No', Ask, Can we reach you through somebody else's phone number?</i>  |                               |  | YES ..... 1<br>NO PHONE ..... 2  |   | 2 ⇒ HH66  |  |
| <b>HH62</b><br><i>Order</i>   | <b>HH63.</b> Telephone number | <b>HH63A.</b> Is this landline or mobile<br>1. LANDLINE<br>2. MOBILE | <b>HH63B.</b> Who does this phone belong to?<br><i>Record the line number#</i>   | <b>HH64.</b> Is there any preferred or more convenient time of the day we could call you on this number?<br>A. MORNINGS      B. AFTERNOON<br>C. EVENINGS      D. WEEKENDS<br>E. ANYTIME      X. OTHER ( <i>specify</i> ___) | <b>HH65.</b> Do you have another phone number?<br>1. YES<br>2. NO |  |
| 1   |                               | 1      2   | ___ ___  | A   B   C   D   E   X   | 1 ☺      2 ☺<br><i>Next Line</i> <i>HH66</i>                      |  |
| 2   |                               | 1      2   | ___ ___  | A   B   C   D   E   X   | 1 ☺      2 ☺<br><i>Next Line</i> <i>HH66</i>                      |  |
| 3   |                               | 1      2   | ___ ___  | A   B   C   D   E   X   |   |  |
| <b>OTHER CODES FOR HH63B:</b> 40-Home phone; 50-Neighbour; 51-Friend; 60-Workplace/office; 90-Don't want to disclose.   |                               |  |  |   |   |  |
| <b>HH66.</b> Check HH33: Is there any female(s) age 15-17 that consent was sought and 'Yes' response was received from this respondent?   |                               |  | YES, CONSENT WAS GIVEN ..... 1<br>NO, NO FEMALE AGE 15-17 OR CONSENT NOT GIVEN ..... 2   |   | 2 ⇒ HH68  |  |
| <b>HH67.</b> For the same project, may we contact ( <i>name</i> ) in the coming months?   |                               |  | 'Yes' for all girls age 15-17 ..... 1<br>'No' for at least one girl age 15-17 and 'Yes' to at least one girl age 15-17 ..... 2<br>'No to all girls age 15-17 ..... 3 |   |   |  |
| <b>HH68.</b> Check HH39: Is there any male(s) age 15-17 that consent was sought and 'Yes' response was received from this respondent?   |                               |  | YES, CONSENT WAS GIVEN ..... 1<br>NO, NO MALE AGE 15-17 OR CONSENT NOT GIVEN ..... 2   |   | 2 ⇒ HH70  |  |
| <b>HH69.</b> For the same project, may we contact ( <i>name</i> ) in the coming months?   |                               |  | 'Yes' for all boys age 15-17 ..... 1<br>'No' for at least one boy age 15-17 and 'Yes' to at least one boy age 15-17 ..... 2<br>'No to all boys age 15-17 ..... 3     |   |   |  |

**HH70.** *Now return to the HOUSEHOLD INFORMATION PANEL and,*

- *Record '01' in question HH46 (Result of the Household Questionnaire interview),*
- *Record the name and the line number (from the LIST OF HOUSEHOLD MEMBERS) of the Respondent to the Household Questionnaire interview in HH47,*
- *Fill the questions HH48 – HH52,*
- *Thank the respondent for his/her cooperation and then*
- *Proceed with the administration of the remaining individual questionnaire(s) in this household.*

*If there is no individual questionnaire to be completed in this household thank the respondent for his/her cooperation and move to the next household you have been assigned by your supervisor.*



**INTERVIEWER'S OBSERVATIONS**

**SUPERVISOR'S OBSERVATIONS**

| WOMAN'S INFORMATION PANEL                                    |   | WM |
|--|---|----|
| <b>WM1. Cluster number:</b> _____                            | <b>WM2. Household number:</b> _____   |    |
| <b>WM3. Woman's name and line number:</b><br><br>NAME _____  | <b>WM4. Supervisor's name and number:</b><br><br>NAME _____                 |    |
| <b>WM5. Interviewer's name and number:</b><br><br>NAME _____ | <b>WM6. Day / Month / Year of interview:</b><br><br>_____ / _____ / 2 5 6 5 |    |

|  |   |
|--|---|
| <i>Check woman's age in HL6 in LIST OF HOUSEHOLD MEMBERS, HOUSEHOLD QUESTIONNAIRE: If age 15-17, verify in HH33 that adult consent for interview is obtained or not necessary (HL20=90). If consent is needed and not obtained, the interview must not commence and '06' should be recorded in WM17.</i>   | <b>WM7. Record the time:</b><br><br>HOURS : MINUTES<br><br>_____ : _____  |
| <b>WM8. Check completed questionnaires in this household: Have you or another member of your team interviewed this respondent for another questionnaire?</b>   | YES, INTERVIEWED ALREADY .....1<br>NO, FIRST INTERVIEW .....2<br><br>1 ⇨ WM9B<br>2 ⇨ WM9A   |
| <b>WM9A.</b> Hello, my name is ( <i>your name</i> ). We are from National Statistical Office. We are conducting a survey about the situation of children, families and households. I would like to talk to you about your health and other topics. This interview usually takes about 20 minutes. We are also interviewing mothers about their children. All the information we obtain will remain strictly confidential and anonymous. If you wish not to answer a question or wish to stop the interview, please let me know. May I start now? | <b>WM9B.</b> Now I would like to talk to you about your health and other topics in more detail. This interview will take about 20 minutes. Again, all the information we obtain will remain strictly confidential and anonymous. If you wish not to answer a question or wish to stop the interview, please let me know. May I start now? |
| YES .....1<br>NO / NOT ASKED .....2  | 1 ⇨ WOMAN'S BACKGROUND Module<br>2 ⇨ WM17   |

|   |   |
|---|---|
| <b>WM17. Result of woman's interview.</b><br><br><i>Discuss any result not completed with Supervisor.</i> | COMPLETED .....01<br>NOT AT HOME .....02<br>REFUSED .....03<br>PARTLY COMPLETED .....04<br><br>INCAPACITATED ( <i>specify</i> ) _____ 05<br>NO ADULT CONSENT FOR RESPONDENT<br>AGE 15-17 .....06<br><br>OTHER ( <i>specify</i> ) _____ 96 |
|---|---|

| WOMAN'S BACKGROUND   |   | WB                   |
|--|---|----------------------|
| <b>WB1.</b> Check the respondent's line number (WM3) in WOMAN'S INFORMATION PANEL and the respondent to the HOUSEHOLD QUESTIONNAIRE (HH47): Is this respondent also the respondent to the Household Questionnaire? | YES, RESPONDENT IS THE SAME,<br>WM3=HH47 ..... 1<br>NO, RESPONDENT IS NOT THE SAME,<br>WM3≠HH47 ..... 2   | 2 ⇒ WB3              |
| <b>WB2.</b> Check ED5 in EDUCATION Module in the HOUSEHOLD QUESTIONNAIRE for this respondent: Highest level of school attended   | ED5=02-08 ..... 1<br>ED5=00, 01, 98 OR BLANK ..... 2  | 1 ⇒ WB15<br>2 ⇒ WB14 |
| <b>WB3.</b> In what month and year were you born?  | DATE OF BIRTH<br>MONTH ..... __ __<br>DK MONTH ..... 98<br><br>YEAR ..... __ __ __ __<br>DK YEAR ..... 9998   |                      |
| <b>WB4.</b> How old are you?<br><br><i>Probe: How old were you at your last birthday?</i><br><br><i>If responses to WB3 and WB4 are inconsistent, probe further and correct. Age must be recorded.</i>             | AGE (IN COMPLETED YEARS) ..... __ __  |                      |
| <b>WB5.</b> Have you ever attended school or any early childhood education programme?<br><br><i>If 'NO', probe: Have you ever attended remotely?</i>   | YES ..... 1<br>NO ..... 2   | 2 ⇒ WB14             |
| <b>WB6.</b> What is the highest level and grade or year of school you have attended?<br><br><i>If NON-FORMAL DK grade, record grade '95'.</i>  | EARLY CHILDHOOD EDUCATION ..... 000<br>PRIMARY ..... 1 __ __<br>LOWER SECONDARY ..... 2 __ __<br>UPPER SECONDARY ..... 3 __ __<br>CERTIFICATE (VCE / TCE) ..... 4 __ __<br>DIPLOMA (HVC / CTV / HTC) ..... 5 __ __<br>BACHELOR DEGREE ..... 6 __ __<br>MASTER DEGREE ..... 7 __ __<br>DOCTORAL DEGREE ..... 8 __ __ | 000 ⇒ WB14           |
| <b>WB7.</b> Did you complete that (grade/year)?  | YES ..... 1<br>NO ..... 2   |                      |
| <b>WB8.</b> Check WB4: Age of respondent:  | AGE 15-24 ..... 1<br>AGE 25-49 ..... 2  | 2 ⇒ WB13             |
| <b>WB9.</b> At any time during the 2565-66 school year did you attend school?<br><br><i>If 'NO', probe: Did you attend remotely during the 2565-2566 school year?</i>  | YES ..... 1<br>NO ..... 2   | 2 ⇒ WB11             |
| <b>WB10.</b> During the 2565-66 school year, which level and grade or year are you <u>attending</u> ?<br><br><i>If NON-FORMAL DK grade, record grade '95'</i>  | PRIMARY ..... 1 __ __<br>LOWER SECONDARY ..... 2 __ __<br>UPPER SECONDARY ..... 3 __ __<br>CERTIFICATE (VCE) ..... 4 __ __<br>HVC / DIPLOMA ..... 5 __ __<br>BACHELOR DEGREE ..... 6 __ __<br>MASTER DEGREE ..... 7 __ __<br>DOCTORAL DEGREE ..... 8 __ __  |                      |

|  |   |                       |
|--|---|-----------------------|
| <p><b>WB11.</b> At any time during the 2564-65 school year did you attend school?</p> <p><i>If 'NO', probe: Did you attend remotely during the 2564-2565 school year?</i></p>  | <p>YES ..... 1<br/>NO ..... 2</p>   | <p>2 ⇒WB13</p>        |
| <p><b>WB12.</b> During the 2564-65 school year, which level and grade or year did you <u>attend</u>?</p> <p><i>If NON-FORMAL DK grade, record grade '95'</i></p>   | <p>PRIMARY ..... 1 ___<br/>LOWER SECONDARY ..... 2 ___<br/>UPPER SECONDARY ..... 3 ___<br/>CERTIFICATE (VCE)..... 4 ___<br/>HVC / DIPLOMA ..... 5 ___<br/>BACHELOR DEGREE..... 6 ___<br/>MASTER DEGREE ..... 7 ___<br/>DOCTORAL DEGREE..... 8 ___</p> |                       |
| <p><b>WB13.</b> Check WB6: Highest level of school attended:</p>   | <p>WB6=2 TO 8 ..... 1<br/>WB6=1 ..... 2</p>   | <p>1 ⇒WB15</p>        |
| <p><b>WB14.</b> Now I would like you to read this sentence to me.</p> <p><i>Show sentence on the card to the respondent.</i></p> <p><i>If respondent cannot read whole sentence, probe: Can you read part of the sentence to me?</i></p>   | <p>CANNOT READ AT ALL ..... 1<br/>ABLE TO READ ONLY PARTS OF SENTENCE..... 2<br/>ABLE TO READ WHOLE SENTENCE..... 3<br/>NO SENTENCE IN REQUIRED LANGUAGE / BRAILLE (specify language) ..... 4</p>   |                       |
| <p><b>WB15.</b> How long have you been continuously living in (name of current city, town or village of residence)?</p> <p><i>If less than one year, record '00' years.</i></p>  | <p>YEARS ..... ___<br/>ALWAYS / SINCE BIRTH ..... 95</p>  | <p>95 ⇒WB18</p>       |
| <p><b>WB16.</b> Just before you moved here, did you live in a city, in a town, or in a rural area?</p> <p><i>Probe to identify the type of place.</i></p> <p><i>If unable to determine whether the place is a municipality (urban) or non-municipality (rural), write the name of the place and then temporarily record '5' until you learn the appropriate category for the response.</i></p> <p>_____</p> <p>(Name of place)</p> | <p>MUNICIPAL..... 1<br/>NON-MUNICIPAL..... 2<br/><br/>UNABLE TO DETERMINE IF URBAN/RURAL 5<br/><br/>DK / DON'T REMEMBER ..... 8</p>   |                       |
| <p><b>WB17.</b> Before you moved here, in which region did you live in?</p>  | <p>BANGKOK ..... 01<br/>CENTRAL ..... 02<br/>NORTH ..... 03<br/>NORTHEAST ..... 04<br/>SOUTH..... 05<br/>OUTSIDE OF THAILAND (specify) ..... 96</p>   |                       |
| <p><b>WB18.</b> Are you covered by any health insurance?</p>   | <p>YES ..... 1<br/>NO ..... 2</p>   | <p>2 ⇒Next module</p> |

|   |  |  |
|---|--|--|
| <p><b>WB19.</b> What type of health insurance are you covered by?</p> <p><i>Record all mentioned.</i></p> | <p>HEALTH INSURANCE THROUGH<br/> EMPLOYER..... B<br/> SOCIAL SECURITY/COMPENSATION FUND . C<br/> PRIVATE HEALTH INSURANCE ..... D<br/> UNIVERSAL HEALTH-CARE COVERAGE<br/> SCHEME.....E<br/> <br/> GOVERNMENT OFFICER.....F<br/> <br/> LOCAL ADMINISTRATIVE ORGANIZATION G<br/> <br/> STATE ENTERPRISES OR INDEPENDENT<br/> AGENCIES ..... H<br/> <br/> OTHER (<i>specify</i>) _____ X</p> |  |
|---|--|--|

| FERTILITY   |                              | CM        |
|---|------------------------------|-----------|
| <p><b>CM1.</b> Now I would like to ask about all the births you have had during your life. Have you ever given birth?</p> <p><i>This module and the birth history should only include children born alive. Any stillbirths should not be included in response to any question.</i></p>              | YES ..... 1<br>NO ..... 2    | 2 ⇒ CM8   |
| <p><b>CM2.</b> Do you have any sons or daughters to whom you have given birth who are now living with you?</p>  | YES ..... 1<br>NO ..... 2    | 2 ⇒ CM5   |
| <p><b>CM3.</b> How many sons live with you?</p> <p><i>If none, record '00'.</i></p>   | SONS AT HOME ..... _ _       |           |
| <p><b>CM4.</b> How many daughters live with you?</p> <p><i>If none, record '00'.</i></p>  | DAUGHTERS AT HOME..... _ _   |           |
| <p><b>CM5.</b> Do you have any sons or daughters to whom you have given birth who are alive but do not live with you?</p>   | YES ..... 1<br>NO ..... 2    | 2 ⇒ CM8   |
| <p><b>CM6.</b> How many sons are alive but do not live with you?</p> <p><i>If none, record '00'.</i></p>  | SONS ELSEWHERE..... _ _      |           |
| <p><b>CM7.</b> How many daughters are alive but do not live with you?</p> <p><i>If none, record '00'.</i></p>   | DAUGHTERS ELSEWHERE..... _ _ |           |
| <p><b>CM8.</b> Have you ever given birth to a boy or girl who was born alive but later died?</p> <p><i>If 'No' probe by asking:<br/>I mean, to any baby who cried, who made any movement, sound, or effort to breathe, or who showed any other signs of life even if for a very short time?</i></p> | YES ..... 1<br>NO ..... 2    | 2 ⇒ CM11  |
| <p><b>CM9.</b> How many boys have died?</p> <p><i>If none, record '00'.</i></p>   | BOYS DEAD..... _ _           |           |
| <p><b>CM10.</b> How many girls have died?</p> <p><i>If none, record '00'.</i></p>   | GIRLS DEAD..... _ _          |           |
| <p><b>CM11.</b> Sum answers to CM3, CM4, CM6, CM7, CM9 and CM10.</p>  | SUM..... _ _                 |           |
| <p><b>CM12.</b> Just to make sure that I have this right, you have had in total (<b>total number in CM11</b>) births during your life. Is this correct?</p>   | YES ..... 1<br>NO ..... 2    | 1 ⇒ CM14A |
| <p><b>CM13.</b> Check responses to CM1-CM10 and make corrections as necessary until response in CM12 is 'Yes'.</p>  |                              |           |

|  |   |                                    |
|--|---|------------------------------------|
| <b>CM14A.</b> Check CM11: How many live births?  | NO LIVE BIRTHS, CM11=00 ..... 0<br>ONE LIVE BIRTH, CM11=01 ..... 1<br>TWO OR MORE LIVE BIRTH,<br>CM11=02 OR MORE ..... 2        | 0 ⇒ CM19<br>1 ⇒ CM15A<br>2 ⇒ CM15B |
| <b>CM15A.</b> In what month and year was your child born?<br><br><b>CM15B.</b> Of these ( <i>total number in CM11</i> ) births, in what month and year was the last child born?<br><br><i>Month and year must be recorded</i>                  | MONTH AND YEAR OF LAST BIRTH<br><br>MONTH ..... __ __<br><br>YEAR ..... __ __ __ __   |                                    |
| <b>CM16A.</b> Check CM11: How many live births?  | ONE LIVE BIRTH, CM11=01 ..... 1<br>TWO OR MORE LIVE BIRTH,<br>CM11=02 OR MORE ..... 2   | 1 ⇒ CM17                           |
| <b>CM16B.</b> Of these ( <i>total number in CM11</i> ) births, in what month and year was the first child born?  | MONTH AND YEAR OF FIRST BIRTH<br><br>MONTH ..... __ __<br>DK MONTH ..... 98<br><br>YEAR ..... __ __ __ __<br>DK YEAR ..... 9998 |                                    |
| <b>CM16C.</b> Check CM16B: Is YEAR recorded?   | YES ..... 1<br>NO ..... 2   | 1 ⇒ CM17                           |
| <b>CM16D.</b> How many years ago did you have your first birth?<br><br><i>Probe by asking:</i><br>- How old is your first child now?<br>- How old was you when you had your first child?<br>(Take current respondent's age into consideration) | COMPLETED YEARS ..... __ __   |                                    |


|  |   |                              |
|--|---|------------------------------|
| <b>CM17.</b> Check CM15A/B: Last birth occurred within the last 2 years, that is, since ( <i>month of interview</i> ) in B.E. 2563?<br><br><i>If the month of interview and the month of birth are the same, and the year of birth is B.E. 2563, consider this as a birth within the last 2 years.</i> | NO LIVE BIRTHS IN THE LAST<br>2 YEARS ..... 0<br>ONE OR MORE LIVE BIRTHS IN<br>THE LAST 2 YEARS ..... 1 | 0 ⇒ CM20A                    |
| <b>CM18.</b> Record name of the last born child.<br><br><i>If the child has died, take special care when referring to this child by name in the following modules.</i>   | NAME OF LAST BORN CHILD<br><br>_____  | ⇒ CM20A                      |
| <b>CM19.</b> Have you ever gotten pregnant?<br>Even if there is no live birth, e.g., miscarriage.  | YES ..... 1<br>NO ..... 2   | 1 ⇒ CM20B<br>2 ⇒ Next module |
| <b>CM20A.</b> How many times did you get pregnant?<br>Please include one with no live birth, e.g., miscarriage.<br><br><b>CM20B.</b> How many times did you get pregnant?  | NUMBER OF TIMES GOT PREGNANT ..... __ __  |                              |

| DESIRE FOR LAST BIRTH   |  | DB                   |
|---|--|----------------------|
| <p><b>DB1.</b> Check CM17: Was there a live birth in the last 2 years?</p> <p>Copy name of last birth listed in the birth history (CM18) to here and use where indicated:</p> <p>Name _____</p> | <p>YES, CM17=1..... 1</p> <p>NO, CM17=0 OR BLANK ..... 2</p>   | 2 ⇒ Next module      |
| <p><b>DB2.</b> When you got pregnant with (<i>name</i>), did you want to get pregnant at that time?</p>   | <p>YES ..... 1</p> <p>NO..... 2</p>  | 1 ⇒ Next module      |
| <p><b>DB3.</b> Check CM11: Number of births:</p>  | <p>ONLY 1 BIRTH..... 1</p> <p>2 OR MORE BIRTHS ..... 2</p>   | 1 ⇒ DB4A<br>2 ⇒ DB4B |
| <p><b>DB4A.</b> Did you want to have a baby later on, or did you not want any children?</p> <p><b>DB4B.</b> Did you want to have a baby later on, or did you not want any more children?</p>    | <p>LATER..... 1</p> <p>NO MORE / NONE ..... 2</p>  |                      |
| <p><b>DB5.</b> If you did not wish to have (<i>name of last child</i>) (or wanted later), what was the main reason you did not prevent (or delay the) pregnancy?</p>                            | <p>SAFE PERIOD CALCULATION</p> <p>BIRTH CONTROL BUT PREGNANT ..... 01</p> <p>OTHER BIRTH CONTROL METHOD BUT PREGNANT..... 02</p> <p>RECENTLY GAVE BIRTH / POST MISCARRIAGE..... 03</p> <p>FORCED TO HAVE SEX ..... 04</p> <p>NOT EXPECTED TO HAVE SEX ..... 05</p> <p>FORGOT TO TAKE BIRTH CONTROL PILLS ..... 06</p> <p>NOT AFFORDED TO BUY BIRTH CONTROL PILLS / CONTRACEPTIVE DEVICE ..... 07</p> <p>FAR SERVICE CENTRE..... 08</p> <p>NO TIME TO SEEK BIRTH CONTROL SERVICES ..... 09</p> <p>UNFRIENDLY SERVICE CENTRES / WORKERS ..... 10</p> <p>THOUGHT SHE WAS TOO OLD / MENOPAUSE ..... 11</p> <p>NOT KNEW HOW TO PREVENT PREGNANCY ..... 12</p> <p>OTHER (<i>specify</i>)..... 96</p> |                      |



| MATERNAL AND NEWBORN HEALTH   |   | MN                   |     |    |                      |   |   |                    |   |   |                    |   |   |  |
|---|---|----------------------|-----|----|----------------------|---|---|--------------------|---|---|--------------------|---|---|--|
| <p><b>MN1.</b> Check CM17: Was there a live birth in the last 2 years?</p> <p>Copy name of last birth listed in the birth history (CM18) to here and use where indicated:</p> <p>Name _____</p>   | <p>YES, CM17=1 .....1</p> <p>NO, CM17=0 OR BLANK .....2</p>   | 2 ⇒ Next module      |     |    |                      |   |   |                    |   |   |                    |   |   |  |
| <p><b>MN2.</b> Did you see anyone for antenatal care during your pregnancy with (<i>name</i>)?</p>  | <p>YES .....1</p> <p>NO .....2</p>  | 2 ⇒ MN7              |     |    |                      |   |   |                    |   |   |                    |   |   |  |
| <p><b>MN3.</b> Whom did you see?</p> <p>Probe: Anyone else?</p> <p>Probe for the type of person seen and record all answers given.</p>  | <p><b>HEALTH PROFESSIONAL</b></p> <p>DOCTOR.....A</p> <p>NURSE / MIDWIFE .....B</p> <p>PRACTICAL NURSE/NURSE'S AIDE.....C</p> <p>OTHER (<i>specify</i>) _____X</p>  |                      |     |    |                      |   |   |                    |   |   |                    |   |   |  |
| <p><b>MN4.</b> How many weeks or months pregnant were you when you first received antenatal care for this pregnancy?</p> <p>Record the answer as stated by respondent. If "9 months" or later, record 209.</p>                                      | <p>WEEKS .....1 __ __</p> <p>MONTHS .....2 <u>0</u> __</p> <p>DK .....998</p>   |                      |     |    |                      |   |   |                    |   |   |                    |   |   |  |
| <p><b>MN5.</b> How many times did you receive antenatal care during this pregnancy?</p> <p>Probe to identify the number of times antenatal care was received. If a range is given, record the minimum number of times antenatal care received.</p>  | <p>NUMBER OF TIMES .....__ __</p> <p>DK .....98</p>   |                      |     |    |                      |   |   |                    |   |   |                    |   |   |  |
| <p><b>MN6.</b> As part of your antenatal care during this pregnancy, were any of the following done at least once:</p> <p>[A] Was your blood pressure measured?</p> <p>[B] Did you give a urine sample?</p> <p>[C] Did you give a blood sample?</p> | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">YES</th> <th style="text-align: center;">NO</th> </tr> </thead> <tbody> <tr> <td>BLOOD PRESSURE .....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>URINE SAMPLE .....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> <tr> <td>BLOOD SAMPLE .....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> </tr> </tbody> </table> |                      | YES | NO | BLOOD PRESSURE ..... | 1 | 2 | URINE SAMPLE ..... | 1 | 2 | BLOOD SAMPLE ..... | 1 | 2 |  |
|   | YES   | NO                   |     |    |                      |   |   |                    |   |   |                    |   |   |  |
| BLOOD PRESSURE .....  | 1   | 2                    |     |    |                      |   |   |                    |   |   |                    |   |   |  |
| URINE SAMPLE .....  | 1   | 2                    |     |    |                      |   |   |                    |   |   |                    |   |   |  |
| BLOOD SAMPLE .....  | 1   | 2                    |     |    |                      |   |   |                    |   |   |                    |   |   |  |
| <p><b>MN7.</b> Do you have a health handbook or other document with your own immunisations listed?</p> <p>If yes, ask: May I see it please?</p> <p>If a health handbook is presented, use it to assist with answers to the following questions.</p> | <p>YES (HANDBOOK OR OTHER DOCUMENT SEEN).....1</p> <p>YES (HANDBOOK OR OTHER DOCUMENT NOT SEEN) .....2</p> <p>NO .....3</p> <p>DK .....8</p>  |                      |     |    |                      |   |   |                    |   |   |                    |   |   |  |
| <p><b>MN7A.</b> When you were pregnant with (<i>name of last child</i>), did you receive a screening test for thalassemia?</p>  | <p>YES .....1</p> <p>NO .....2</p> <p>DK .....8</p>   |                      |     |    |                      |   |   |                    |   |   |                    |   |   |  |
| <p><b>MN8.</b> When you were pregnant with (<i>name</i>), did you receive any injection in the arm or shoulder to prevent the baby from getting tetanus, that is, convulsions after birth?</p>  | <p>YES .....1</p> <p>NO .....2</p> <p>DK .....8</p>   | 2 ⇒ MN11<br>8 ⇒ MN11 |     |    |                      |   |   |                    |   |   |                    |   |   |  |

|   |  |                                   |
|---|--|-----------------------------------|
| <p><b>MN9.</b> How many times did you receive this tetanus injection during your pregnancy with (<i>name</i>)?</p>  | <p>NUMBER OF TIMES ..... _____</p> <p>DK .....8</p>  | <p>8 ⇒ MN11</p>                   |
| <p><b>MN10.</b> Check MN9: How many tetanus injections during last pregnancy were reported?</p>   | <p>ONLY 1 INJECTION .....1</p> <p>2 OR MORE INJECTIONS .....2</p>  | <p>2 ⇒ MN19</p>                   |
| <p><b>MN11.</b> At any time before your pregnancy with (<i>name</i>), did you receive any tetanus injection either to protect yourself or another baby?</p> <p><i>Include DTP (Tetanus) vaccinations received as a child if mentioned.</i></p>  | <p>YES .....1</p> <p>NO .....2</p> <p>DK .....8</p>  | <p>2 ⇒ MN19</p> <p>8 ⇒ MN19</p>   |
| <p><b>MN12.</b> Before your pregnancy with (<i>name</i>), how many times did you receive a tetanus injection?</p> <p><i>If 7 or more times, record '7'.</i></p> <p><i>Include DTP (Tetanus) vaccinations received as a child if mentioned.</i></p>  | <p>NUMBER OF TIMES ..... _____</p> <p>DK .....8</p>  |                                   |
| <p><b>MN13.</b> Check MN12: How many tetanus injections before last pregnancy were reported?</p>  | <p>ONLY 1 INJECTION .....1</p> <p>2 OR MORE INJECTIONS OR DK .....2</p>  | <p>1 ⇒ MN14A</p> <p>2 ⇒ MN14B</p> |
| <p><b>MN14A.</b> How many years ago did you receive that tetanus injection</p> <p><b>MN14B.</b> How many years ago did you receive the last of those tetanus injections?</p> <p><i>The reference is to the last injection received <u>prior</u> to this pregnancy, as recorded in MN12.</i></p> <p><i>If less than 1 year, record '00'.</i></p> | <p>YEARS AGO ..... _____</p> <p>DK ..... 98</p>  |                                   |
| <p><b>MN19.</b> Who assisted with the delivery of (<i>name</i>)?</p> <p><i>Probe: Anyone else?</i></p> <p><i>Probe for the type of person assisting and record all answers given.</i></p>   | <p><b>HEALTH PROFESSIONAL</b></p> <p>DOCTOR.....A</p> <p>NURSE / MIDWIFE .....B</p> <p>PRACTICAL NURSE/NURSE'S AIDE.....C</p> <p><b>OTHER PERSON</b></p> <p>COMMUNITY HEALTH WORKER .....G</p> <p>RELATIVE / FRIEND .....H</p> <p>OTHER (<i>specify</i>) .....X</p> <p>NO ONE .....Y</p> |                                   |

|   |   |  |
|---|---|--|
| <p><b>MN20.</b> Where did you give birth to (<i>name</i>)?<br/><br/><i>Probe to identify the type of place.</i><br/><br/><i>If unable to determine whether public or private, write the name of the place and then temporarily record '76' until you learn the appropriate category for the response.</i></p> <p>_____</p> <p>(Name of place)</p> | <p><b>HOME</b><br/>RESPONDENT'S HOME ..... 11<br/>OTHER HOME ..... 12</p> <p><b>PUBLIC MEDICAL SECTOR</b><br/>GOVERNMENT HOSPITAL ..... 21<br/>GOVERNMENT CLINIC /<br/>HEALTH CENTRE ..... 22<br/>OTHER PUBLIC (<i>specify</i>) ..... 26</p> <p><b>PRIVATE MEDICAL SECTOR</b><br/>PRIVATE HOSPITAL ..... 31<br/>PRIVATE CLINIC ..... 32<br/>OTHER PRIVATE MEDICAL<br/>(<i>specify</i>) ..... 36</p> <p>DK PUBLIC OR PRIVATE ..... 76</p> <p>OTHER (<i>specify</i>) ..... 96</p> | <p>11 ⇒MN23<br/>12 ⇒MN23</p> <p>96 ⇒MN23</p> |
| <p><b>MN21.</b> Was (<i>name</i>) delivered by caesarean section?<br/>That is, did they cut your belly open to take the baby out?</p>   | <p>YES ..... 1<br/>NO ..... 2</p>   | <p>2 ⇒MN23</p>                               |
| <p><b>MN22.</b> When was the decision made to have the caesarean section?<br/><br/><i>Probe if necessary: Was it before or after your labour pains started?</i></p>   | <p>BEFORE LABOUR PAINS ..... 1<br/>AFTER LABOUR PAINS ..... 2</p>   |  |
| <p><b>MN22A.</b> Check CM11: Number of children?</p>  | <p>ONLY 1 CHILD ..... 1<br/>2 OR MORE CHILDREN ..... 2</p>  | <p>1 ⇒MN23</p>                               |
| <p><b>MN22B.</b> Was this caesarean section the first or repeat caesarean section?</p>  | <p>FIRST ..... 1<br/>REPEAT ..... 2</p>   |  |
| <p><b>MN23.</b> Immediately after the birth, was (<i>name</i>) put directly on the bare skin of your chest?<br/><br/><i>If necessary, show the picture of skin-to-skin position.</i></p>   | <p>YES ..... 1<br/>NO ..... 2</p> <p>DK/ DON'T REMEMBER ..... 8</p>   | <p>2 ⇒MN33<br/>8 ⇒MN33</p>                   |
| <p><b>MN24.</b> Before being placed on the bare skin of your chest, was the baby wrapped up?</p>  | <p>YES ..... 1<br/>NO ..... 2</p> <p>DK/ DON'T REMEMBER ..... 8</p>   |  |

|   |  |                              |
|---|--|------------------------------|
| <b>MN33.</b> Was ( <i>name</i> ) weighed at birth?  | YES .....1<br>NO .....2<br><br>DK .....8   | 2 ⇒ MN35<br><br>8 ⇒ MN35     |
| <b>MN34.</b> How much did ( <i>name</i> ) weigh?<br><br><i>If a health handbook is available, record weight from health handbook.</i>   | FROM HEALTH HANDBOOK ..... <b>1 (KG)</b> . . . . .<br><br>FROM RECALL ..... <b>2 (KG)</b> . . . . .<br><br>DK .....99998   |                              |
| <b>MN35.</b> Has your menstrual period returned since the birth of ( <i>name</i> )?   | YES .....1<br>NO .....2  |                              |
| <b>MN36.</b> Did you ever breastfeed ( <i>name</i> )?   | YES .....1<br>NO .....2  | 2 ⇒ MN39B                    |
| <b>MN37.</b> How long after birth did you first put ( <i>name</i> ) to the breast?<br><br><i>If less than 1 hour, record '000' hours.<br/> If less than 24 hours, record hours.<br/> Otherwise, record days.</i>  | IMMEDIATELY .....000<br><br>HOURS ..... <b>1</b> . . . . .<br><br>DAYS ..... <b>2</b> . . . . .<br><br>DK / DON'T REMEMBER .....998  |                              |
| <b>MN38.</b> In the first three days after delivery, was ( <i>name</i> ) given anything to drink other than breast milk?  | YES .....1<br>NO .....2  | 1 ⇒ MN39A<br>2 ⇒ Next module |
| <b>MN39A.</b> What was ( <i>name</i> ) given to drink?<br><br><i>Probe: Anything else?</i><br><br><i>'Not given anything to drink' is not a valid response and response category Y cannot be recorded.</i><br><br><b>MN39B.</b> In the first three days after delivery, what was ( <i>name</i> ) given to drink?<br><br><i>Probe: Anything else?</i><br><br><i>'Not given anything to drink' (category Y) can only be recorded if no other response category is recorded.</i> | MILK (OTHER THAN BREAST MILK) .....A<br>PLAIN WATER .....B<br>SUGAR OR GLUCOSE WATER .....C<br>ANTIFLATULENT SYRUP (GRIPE WATER) ....D<br>SUGAR-SALT-WATER SOLUTION .....E<br>FRUIT JUICE .....F<br>INFANT FORMULA .....G<br>TEA / INFUSIONS / TRADITIONAL HERBAL PREPARATIONS .....H<br>HONEY .....I<br>PRESCRIBED MEDICINE .....J<br><br>OTHER ( <i>specify</i> ) .....X<br><br>NOT GIVEN ANYTHING TO DRINK .....Y |                              |

| CONTRACEPTION   |  | CP                                 |
|---|--|------------------------------------|
| <p><b>CP1.</b> I would like to talk with you about another subject: family planning.</p> <p>Are you pregnant now?</p>   | <p>YES, CURRENTLY PREGNANT ..... 1</p> <p>NO ..... 2</p> <p>DK OR NOT SURE ..... 8</p>   | 1 ⇒ CP3                            |
| <p><b>CP2.</b> Couples use various ways or methods to delay or avoid getting pregnant.</p> <p>Are you currently doing something or using any method to delay or avoid getting pregnant?</p>   | <p>YES ..... 1</p> <p>NO ..... 2</p>   | 1 ⇒ CP4                            |
| <p><b>CP3.</b> Have you ever done something or used any method to delay or avoid getting pregnant?</p>  | <p>YES ..... 1</p> <p>NO ..... 2</p>   | 1 ⇒ Next module<br>2 ⇒ Next module |
| <p><b>CP4.</b> What are you doing to delay or avoid a pregnancy?</p> <p><i>Do not prompt.</i></p> <p><i>If more than one method is mentioned, record each one.</i></p>  | <p>FEMALE STERILIZATION ..... A</p> <p>MALE STERILIZATION ..... B</p> <p>IUD ..... C</p> <p>INJECTABLES ..... D</p> <p>IMPLANTS ..... E</p> <p>PILL ..... F</p> <p>MALE CONDOM ..... G</p> <p>FEMALE CONDOM ..... H</p> <p>DIAPHRAGM ..... I</p> <p>FOAM / JELLY ..... J</p> <p>PERIODIC ABSTINENCE / RHYTHM ..... L</p> <p>WITHDRAWAL ..... M</p> <p>CONTRACEPTIVE PATCH ..... N</p> <p>EMERGENCY CONTRACEPTIVE PILL ..... O</p> <p>OTHER (<i>specify</i>) ..... X</p>  |                                    |
| <p><b>CP5.</b> From where did you or your partner receive this?</p> <p><i>Probe to identify the type of place.</i></p> <p><i>If unable to specify whether public or private medical facility, write the name of the place and temporarily record 'W' until you know the proper category for such response.</i></p> <p>_____</p> <p>(<i>Name of place</i>)</p> <p><i>Record all mentioned.</i></p> | <p><b>PUBLIC MEDICAL FACILITY</b></p> <p>PUBLIC HOSPITAL ..... A</p> <p>SHPH / PUBLIC HEALTH CENTRE ..... B</p> <p>HEALTH VOLUNTEERS (CHV / VHV) ..... C</p> <p>MOBILE MEDICAL UNIT ..... D</p> <p>OTHER PUBLIC MEDICAL FACILITY (<i>specify</i>) ..... E</p> <p><b>PRIVATE MEDICAL FACILITY</b></p> <p>PRIVATE HOSPITAL ..... F</p> <p>PRIVATE CLINIC ..... G</p> <p>MOBILE CLINIC ..... H</p> <p>OTHER PRIVATE MEDICAL FACILITY (<i>specify</i>) ..... I</p> <p><b>OTHER SOURCE</b></p> <p>RELATIVE / FRIEND ..... J</p> <p>STORE / MARKET ..... K</p> <p>PHARMACY ..... L</p> <p>DON'T KNOW PUBLIC OR PRIVATE ..... W</p> <p>OTHER (<i>specify</i>) ..... X</p> <p>NOT APPLICABLE ..... Y</p> |                                    |

| UNMET NEED   |  | UN                               |
|--|--|----------------------------------|
| <b>UN1.</b> Check CP1: Currently pregnant?   | YES, CP1=1 ..... 1<br>NO, DK OR NOT SURE,<br>CP1=2 OR 8 ..... 2  | 2 ⇨ UN6                          |
| <b>UN2.</b> Now I would like to talk to you about your current pregnancy. When you got pregnant, did you want to get pregnant at that time?  | YES ..... 1<br>NO ..... 2  | 1 ⇨ UN5                          |
| <b>UN3.</b> Check CM11: Any births?  | NO BIRTHS ..... 0<br>ONE OR MORE BIRTHS ..... 1  | 0 ⇨ UN4A<br>1 ⇨ UN4B             |
| <b>UN4A.</b> Did you want to have a baby later on or did you not want any children?<br><br><b>UN4B.</b> Did you want to have a baby later on or did you not want any more children?                  | LATER ..... 1<br>NONE / NO MORE ..... 2  |                                  |
| <b>UN5.</b> Now I would like to ask some questions about the future. After the child you are now expecting, would you like to have another child, or would you prefer not to have any more children? | HAVE ANOTHER CHILD ..... 1<br>NO MORE / NONE ..... 2<br>UNDECIDED / DK ..... 8   | 1 ⇨ UN8<br>2 ⇨ UN14<br>8 ⇨ UN14  |
| <b>UN6.</b> Check CP4: Currently using 'Female sterilization'?   | YES, CP4=A ..... 1<br>NO, CP4≠A ..... 2  | 1 ⇨ UN14                         |
| <b>UN7.</b> Now I would like to ask you some questions about the future. Would you like to have (a/another) child, or would you prefer not to have any (more) children?                              | HAVE (A/ANOTHER) CHILD ..... 1<br>NO MORE / NONE ..... 2<br>SAYS SHE CANNOT GET<br>PREGNANT ..... 3<br>UNDECIDED / DK ..... 8  | 2 ⇨ UN10<br>3 ⇨ UN12<br>8 ⇨ UN10 |
| <b>UN8.</b> How long would you like to wait before the birth of (a/another) child?<br><br><i>Record the answer as stated by respondent.</i>  | MONTHS ..... 1 __ __<br><br>YEARS ..... 2 __ __<br><br>DOES NOT WANT TO WAIT<br>(SOON/NOW) ..... 993<br>SAYS SHE CANNOT GET<br>PREGNANT ..... 994<br>AFTER MARRIAGE ..... 995<br>OTHER (SPECIFY) ..... 996<br><br>DK ..... 998 | 994 ⇨ UN12                       |
| <b>UN9.</b> Check CP1: Currently pregnant?   | YES, CP1=1 ..... 1<br>NO, DK OR NOT SURE,<br>CP1=2 OR 8 ..... 2  | 1 ⇨ UN14                         |
| <b>UN10.</b> Check CP2: Currently using a method?  | YES, CP2=1 ..... 1<br>NO, CP2=2 ..... 2  | 1 ⇨ UN14                         |
| <b>UN11.</b> Do you think you are physically able to get pregnant at this time?  | YES ..... 1<br>NO ..... 2<br><br>DK ..... 8  | 1 ⇨ UN14<br><br>8 ⇨ UN14         |

|  |   |                       |
|--|---|-----------------------|
| <p><b>UN12.</b> Why do you think you are not physically able to get pregnant?</p>  | <p>INFREQUENT SEX / NO SEX..... A<br/> MENOPAUSAL ..... B<br/> NEVER MENSTRUATED..... C<br/> HYSTERECTOMY (SURGICAL<br/> REMOVAL OF UTERUS) ..... D<br/> HAS BEEN TRYING TO GET<br/> PREGNANT FOR 2 YEARS<br/> OR MORE WITHOUT RESULT .....E<br/> POSTPARTUM AMENORRHEIC ..... F<br/> BREASTFEEDING ..... G<br/> TOO OLD ..... H<br/> FATALISTIC.....I<br/><br/> OTHER (<i>specify</i>)..... X<br/><br/> DK.....Z</p> |                       |
| <p><b>UN13.</b> Check UN12: 'Never menstruated' mentioned?</p>   | <p>MENTIONED, UN12=C ..... 1<br/> NOT MENTIONED, UN12≠C ..... 2</p>   | <p>1 ⇒Next module</p> |
| <p><b>UN14.</b> When did your last menstrual period start?</p> <p><i>Record the answer using the same unit stated by the respondent.</i></p> <p><i>If '1 year', probe:</i><br/> How many months ago?</p> | <p>DAYS AGO ..... <b>1</b> __ __<br/> WEEKS AGO ..... <b>2</b> __ __<br/> MONTHS AGO ..... <b>3</b> __ __<br/> YEARS AGO ..... <b>4</b> __ __<br/><br/> IN MENOPAUSE / HAS HAD<br/> HYSTERECTOMY ..... 993<br/> BEFORE LAST BIRTH ..... 994<br/> NEVER MENSTRUATED..... 995</p>   |                       |

**ATTITUDES TOWARD DOMESTIC VIOLENCE**

**DV**

**DV1.** Sometimes a husband is annoyed or angered by things that his wife does. In your opinion, is a husband justified in hitting or beating his wife in the following situations:

|  |                               | YES | NO | DK |
|--|-------------------------------|-----|----|----|
| [A] If she goes out without telling him? | GOES OUT WITHOUT TELLING..... | 1   | 2  | 8  |
| [B] If she neglects the children?        | NEGLECTS CHILDREN .....       | 1   | 2  | 8  |
| [C] If she argues with him?              | ARGUES WITH HIM.....          | 1   | 2  | 8  |
| [D] If she refuses to have sex with him? | REFUSES SEX .....             | 1   | 2  | 8  |
| [E] If she burns the food?               | BURNS FOOD .....              | 1   | 2  | 8  |
| [F] If she neglects household chores?    | NEGLECT HH CHORES .....       | 1   | 2  | 8  |



**VICTIMISATION**

**VT**

**VT1.** Check for the presence of others. Before continuing, ensure privacy. Now I would like to ask you some questions about crimes in which you personally were the victim.

Let me assure you again that your answers are completely confidential and will not be told to anyone.

In the last three years, that is since (*month of interview*) (*year of interview minus 3*), has anyone taken or tried taking something from you, by using force or threatening to use force?

*Include only incidents in which the respondent was personally the victim and exclude incidents experienced only by other members of the household.*

*If necessary, help the respondent to establish the recall period and make sure that you allow adequate time for the recall. You may reassure: It can be difficult to remember this sort of incidents, so please take your time while you think about your answers.*

YES ..... 1

NO ..... 2

DK ..... 8

2 ⇒VT9B

8 ⇒VT9B

**VT2.** Did this last happen during the last 12 months, that is, since (*month of interview*) (*year of interview minus 1*)?

YES, DURING THE LAST 12 MONTHS..... 1

NO, MORE THAN 12 MONTHS AGO ..... 2

DK / DON'T REMEMBER ..... 8

2 ⇒VT9A

8 ⇒VT9A

**VT3.** How many times did this happen in the last 12 months?

ONE TIME..... 1

TWO TIMES ..... 2

THREE OR MORE TIMES ..... 3

*If 'DK/Don't remember', probe: Did it happen once, twice, or at least three times?*

DK / DON'T REMEMBER ..... 8

**VT9A.** Apart from the incident(s) just covered, have you in the last three years, that is since (*month of interview*) (*year of interview minus 3*), been physically attacked?

**VT9B.** In the same period of the last three years, that is since (*month of interview*) (*year of interview minus 3*), have you been physically attacked?

*If 'No', probe: An attack can happen at home or any place outside of the home, such as in other homes, in the street, at school, on public transport, public restaurants, or at your workplace.*

YES ..... 1

NO ..... 2

DK ..... 8

2 ⇒VT20

8 ⇒VT20

*Include only incidents in which the respondent was personally the victim and exclude incidents experienced only by other members of the household.*

*Exclude incidents where the intention was to take something from the respondent, which should be recorded under VT1.*

| <b>VT10.</b> Did this last happen during the last 12 months, that is, since ( <i>month of interview</i> ) ( <i>year of interview minus 1</i> )?   | YES, DURING THE LAST 12 MONTHS..... 1<br>NO, MORE THAN 12 MONTHS AGO ..... 2<br><br>DK / DON'T REMEMBER ..... 8   | 2 ⇒VT20<br><br>8 ⇒VT20 |     |    |    |                           |   |   |   |           |   |   |   |                          |   |   |   |          |   |   |   |                         |   |   |   |                  |   |   |   |                   |   |   |   |                    |   |   |   |                   |   |   |   |  |
|---|---|------------------------|-----|----|----|---------------------------|---|---|---|-----------|---|---|---|--------------------------|---|---|---|----------|---|---|---|-------------------------|---|---|---|------------------|---|---|---|-------------------|---|---|---|--------------------|---|---|---|-------------------|---|---|---|--|
| <b>VT11.</b> How many times did this happen in the last 12 months?<br><br><i>If 'DK/Don't remember', probe: Did it happen once, twice, or at least three times?</i>   | ONE TIME ..... 1<br>TWO TIMES ..... 2<br>THREE OR MORE TIMES ..... 3<br><br>DK / DON'T REMEMBER ..... 8   |                        |     |    |    |                           |   |   |   |           |   |   |   |                          |   |   |   |          |   |   |   |                         |   |   |   |                  |   |   |   |                   |   |   |   |                    |   |   |   |                   |   |   |   |  |
| <b>VT20.</b> How safe do you feel walking alone in your neighbourhood after dark?   | VERY SAFE ..... 1<br>SAFE ..... 2<br>UNSAFE ..... 3<br>VERY UNSAFE..... 4<br><br>NEVER WALK ALONE AFTER DARK ..... 7  |                        |     |    |    |                           |   |   |   |           |   |   |   |                          |   |   |   |          |   |   |   |                         |   |   |   |                  |   |   |   |                   |   |   |   |                    |   |   |   |                   |   |   |   |  |
| <b>VT21.</b> How safe do you feel when you are at home alone after dark?  | VERY SAFE ..... 1<br>SAFE ..... 2<br>UNSAFE ..... 3<br>VERY UNSAFE..... 4<br><br>NEVER ALONE AFTER DARK ..... 7   |                        |     |    |    |                           |   |   |   |           |   |   |   |                          |   |   |   |          |   |   |   |                         |   |   |   |                  |   |   |   |                   |   |   |   |                    |   |   |   |                   |   |   |   |  |
| <b>VT22.</b> In the past 12 months, have you <u>personally</u> felt discriminated against or harassed on the basis of the following grounds?<br><br>[A] Ethnic or immigration origin?<br><br>[B] Sex?<br><br>[C] Sexual orientation?<br><br>[D] Age?<br><br>[E] Religion or belief?<br><br>[F] Disability?<br><br>[G] Poor status?<br><br>[H] Work position?<br><br>[X] For any other reason? | <table style="width:100%; border:none;"> <thead> <tr> <th style="width:60%;"></th> <th style="text-align:center;">YES</th> <th style="text-align:center;">NO</th> <th style="text-align:center;">DK</th> </tr> </thead> <tbody> <tr> <td>ETHNIC / IMMIGRATION.....</td> <td style="text-align:center;">1</td> <td style="text-align:center;">2</td> <td style="text-align:center;">8</td> </tr> <tr> <td>SEX .....</td> <td style="text-align:center;">1</td> <td style="text-align:center;">2</td> <td style="text-align:center;">8</td> </tr> <tr> <td>SEXUAL ORIENTATION .....</td> <td style="text-align:center;">1</td> <td style="text-align:center;">2</td> <td style="text-align:center;">8</td> </tr> <tr> <td>AGE.....</td> <td style="text-align:center;">1</td> <td style="text-align:center;">2</td> <td style="text-align:center;">8</td> </tr> <tr> <td>RELIGION / BELIEF .....</td> <td style="text-align:center;">1</td> <td style="text-align:center;">2</td> <td style="text-align:center;">8</td> </tr> <tr> <td>DISABILITY .....</td> <td style="text-align:center;">1</td> <td style="text-align:center;">2</td> <td style="text-align:center;">8</td> </tr> <tr> <td>POOR STATUS .....</td> <td style="text-align:center;">1</td> <td style="text-align:center;">2</td> <td style="text-align:center;">8</td> </tr> <tr> <td>WORK POSITION.....</td> <td style="text-align:center;">1</td> <td style="text-align:center;">2</td> <td style="text-align:center;">8</td> </tr> <tr> <td>OTHER REASON.....</td> <td style="text-align:center;">1</td> <td style="text-align:center;">2</td> <td style="text-align:center;">8</td> </tr> </tbody> </table> |                        | YES | NO | DK | ETHNIC / IMMIGRATION..... | 1 | 2 | 8 | SEX ..... | 1 | 2 | 8 | SEXUAL ORIENTATION ..... | 1 | 2 | 8 | AGE..... | 1 | 2 | 8 | RELIGION / BELIEF ..... | 1 | 2 | 8 | DISABILITY ..... | 1 | 2 | 8 | POOR STATUS ..... | 1 | 2 | 8 | WORK POSITION..... | 1 | 2 | 8 | OTHER REASON..... | 1 | 2 | 8 |  |
|   | YES   | NO                     | DK  |    |    |                           |   |   |   |           |   |   |   |                          |   |   |   |          |   |   |   |                         |   |   |   |                  |   |   |   |                   |   |   |   |                    |   |   |   |                   |   |   |   |  |
| ETHNIC / IMMIGRATION.....   | 1   | 2                      | 8   |    |    |                           |   |   |   |           |   |   |   |                          |   |   |   |          |   |   |   |                         |   |   |   |                  |   |   |   |                   |   |   |   |                    |   |   |   |                   |   |   |   |  |
| SEX .....   | 1   | 2                      | 8   |    |    |                           |   |   |   |           |   |   |   |                          |   |   |   |          |   |   |   |                         |   |   |   |                  |   |   |   |                   |   |   |   |                    |   |   |   |                   |   |   |   |  |
| SEXUAL ORIENTATION .....  | 1   | 2                      | 8   |    |    |                           |   |   |   |           |   |   |   |                          |   |   |   |          |   |   |   |                         |   |   |   |                  |   |   |   |                   |   |   |   |                    |   |   |   |                   |   |   |   |  |
| AGE.....  | 1   | 2                      | 8   |    |    |                           |   |   |   |           |   |   |   |                          |   |   |   |          |   |   |   |                         |   |   |   |                  |   |   |   |                   |   |   |   |                    |   |   |   |                   |   |   |   |  |
| RELIGION / BELIEF .....   | 1   | 2                      | 8   |    |    |                           |   |   |   |           |   |   |   |                          |   |   |   |          |   |   |   |                         |   |   |   |                  |   |   |   |                   |   |   |   |                    |   |   |   |                   |   |   |   |  |
| DISABILITY .....  | 1   | 2                      | 8   |    |    |                           |   |   |   |           |   |   |   |                          |   |   |   |          |   |   |   |                         |   |   |   |                  |   |   |   |                   |   |   |   |                    |   |   |   |                   |   |   |   |  |
| POOR STATUS .....   | 1   | 2                      | 8   |    |    |                           |   |   |   |           |   |   |   |                          |   |   |   |          |   |   |   |                         |   |   |   |                  |   |   |   |                   |   |   |   |                    |   |   |   |                   |   |   |   |  |
| WORK POSITION.....  | 1   | 2                      | 8   |    |    |                           |   |   |   |           |   |   |   |                          |   |   |   |          |   |   |   |                         |   |   |   |                  |   |   |   |                   |   |   |   |                    |   |   |   |                   |   |   |   |  |
| OTHER REASON.....   | 1   | 2                      | 8   |    |    |                           |   |   |   |           |   |   |   |                          |   |   |   |          |   |   |   |                         |   |   |   |                  |   |   |   |                   |   |   |   |                    |   |   |   |                   |   |   |   |  |

| MARRIAGE/UNION  |   | MA                     |
|---|---|------------------------|
| <b>MA1.</b> Are you currently married or living together with someone as if married?  | YES, CURRENTLY MARRIED ..... 1<br>YES, LIVING WITH A PARTNER ..... 2<br>NO, NOT IN UNION ..... 3                    | 3 ⇒ MA5                |
| <b>MA2.</b> How old is your (husband/partner)?<br><br><i>Probe:</i> How old was your (husband/partner) on his last birthday?  | AGE IN YEARS ..... __ __<br>DK ..... 98   |                        |
| <b>MA3.</b> Besides yourself, does your (husband/partner) have any other wives or partners or does he live with other women as if married?  | YES ..... 1<br>NO ..... 2   | 2 ⇒ MA7                |
| <b>MA4.</b> How many other wives or partners does he have?  | NUMBER ..... __ __<br>DK ..... 98   | ⇒ MA7<br>98 ⇒ MA7      |
| <b>MA5.</b> Have you ever been married or lived together with someone as if married?  | YES, FORMERLY MARRIED ..... 1<br>YES, FORMERLY LIVED WITH A PARTNER .. 2<br>NO ..... 3                              | 3 ⇒ Next module        |
| <b>MA6.</b> What is your marital status now: are you widowed, divorced or separated?  | WIDOWED ..... 1<br>DIVORCED ..... 2<br>SEPARATED ..... 3  |                        |
| <b>MA7.</b> Have you been married or lived with someone only once or more than once?  | ONLY ONCE ..... 1<br>MORE THAN ONCE ..... 2   | 1 ⇒ MA8A<br>2 ⇒ MA8B   |
| <b>MA8A.</b> In what month and year did you start living with your (husband/partner)?<br><br><b>MA8B.</b> In what month and year did you start living with your <u>first</u> (husband/partner)? | DATE OF (FIRST) UNION<br>MONTH ..... __ __<br>DK MONTH ..... 98<br><br>YEAR ..... __ __ __ __<br>DK YEAR ..... 9998 |                        |
| <b>MA9.</b> Check MA8A/B: Is 'DK YEAR' recorded?  | YES, MA8A/B=9998 ..... 1<br>NO, MA8A/B≠9998 ..... 2   | 2 ⇒ Next module        |
| <b>MA10.</b> Check MA7: In union only once?   | YES, MA7=1 ..... 1<br>NO, MA7=2 ..... 2   | 1 ⇒ MA11A<br>2 ⇒ MA11B |
| <b>MA11A.</b> How old were you when you started living with your (husband/partner)?<br><br><b>MA11B.</b> How old were you when you started living with your <u>first</u> (husband/partner)?     | AGE IN YEARS ..... __ __  |                        |

| HIV/AIDS  |   | HA              |     |    |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |
|---|---|-----------------|-----|----|----|------------------------|---|---|---|-----------------------|---|---|---|------------------------|---|---|---|--|
| <b>HA1.</b> Now I would like to talk with you about something else.<br><br>Have you ever heard of HIV or AIDS?  | YES ..... 1<br>NO ..... 2<br><br>DK ..... 8   | 2 ⇒ Next module |     |    |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |
| <b>HA2.</b> HIV is the virus that can lead to AIDS.<br><br>Can people reduce their chance of getting HIV by having just one uninfected sex partner who has no other sex partners?         | YES ..... 1<br>NO ..... 2<br><br>DK ..... 8   |                 |     |    |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |
| <b>HA3.</b> Can people get HIV from mosquito bites?   | YES ..... 1<br>NO ..... 2<br><br>DK ..... 8   |                 |     |    |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |
| <b>HA4.</b> Can people reduce their chance of getting HIV by using a condom every time they have sex?   | YES ..... 1<br>NO ..... 2<br><br>DK ..... 8   |                 |     |    |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |
| <b>HA5.</b> Can people get HIV by sharing food with a person who has HIV?   | YES ..... 1<br>NO ..... 2<br><br>DK ..... 8   |                 |     |    |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |
| <b>HA6.</b> Can people get HIV because of witchcraft or other supernatural means?   | YES ..... 1<br>NO ..... 2<br><br>DK ..... 8   |                 |     |    |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |
| <b>HA7.</b> Is it possible for a healthy-looking person to have HIV?  | YES ..... 1<br>NO ..... 2<br><br>DK ..... 8   |                 |     |    |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |
| <b>HA8.</b> Can HIV be transmitted from a mother to her baby:<br><br>[A] During pregnancy?<br>[B] During delivery?<br>[C] By breastfeeding?   | <table style="width: 100%; border-collapse: collapse;"> <thead> <tr> <th></th> <th style="text-align: center;">YES</th> <th style="text-align: center;">NO</th> <th style="text-align: center;">DK</th> </tr> </thead> <tbody> <tr> <td>DURING PREGNANCY .....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> <tr> <td>DURING DELIVERY .....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> <tr> <td>BY BREASTFEEDING .....</td> <td style="text-align: center;">1</td> <td style="text-align: center;">2</td> <td style="text-align: center;">8</td> </tr> </tbody> </table> |                 | YES | NO | DK | DURING PREGNANCY ..... | 1 | 2 | 8 | DURING DELIVERY ..... | 1 | 2 | 8 | BY BREASTFEEDING ..... | 1 | 2 | 8 |  |
|   | YES   | NO              | DK  |    |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |
| DURING PREGNANCY .....  | 1   | 2               | 8   |    |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |
| DURING DELIVERY .....   | 1   | 2               | 8   |    |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |
| BY BREASTFEEDING .....  | 1   | 2               | 8   |    |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |
| <b>HA9.</b> Check HA8[A], [B] and [C]: At least one 'Yes' recorded?   | YES ..... 1<br>NO ..... 2   | 2 ⇒ HA11        |     |    |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |
| <b>HA10.</b> Are there any special drugs that a doctor or a nurse can give to a woman infected with HIV to reduce the risk of transmission to the baby?                                   | YES ..... 1<br>NO ..... 2<br><br>DK ..... 8   |                 |     |    |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |
| <b>HA11.</b> Check CM17: Was there a live birth in the last 2 years?<br><br>Copy name of last birth listed in the birth history (CM18) to here and use where indicated:<br><br>Name _____ | YES, CM17=1 ..... 1<br>NO, CM17=0 OR BLANK..... 2   | 2 ⇒ HA24        |     |    |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |
| <b>HA12.</b> Check MN2: Was antenatal care received?  | YES, MN2=1 ..... 1<br>NO, MN2=2 ..... 2   | 2 ⇒ HA17        |     |    |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |

|   | YES                           | NO | DK |          |
|---|-------------------------------|----|----|----------|
| <b>HA13.</b> During any of the antenatal visits for your pregnancy with ( <i>name</i> ), were you given any information about:    |                               |    |    |          |
| [A] Babies getting HIV from their mother?   | HIV FROM MOTHER.....          | 1  | 2  | 8        |
| [B] Things that you can do to prevent getting HIV?  | THINGS TO DO .....            | 1  | 2  | 8        |
| [C] Getting tested for HIV?   | TESTED FOR HIV .....          | 1  | 2  | 8        |
| Were you:   |                               |    |    |          |
| [D] Offered a test for HIV?   | OFFERED A TEST FOR HIV .....  | 1  | 2  | 8        |
| <b>HA14.</b> I don't want to know the results, but were you tested for HIV as part of your antenatal care?                        | YES .....                     | 1  |    |          |
|   | NO .....                      | 2  |    | 2 ⇒HA16A |
|   | DK .....                      | 8  |    | 8 ⇒HA16A |
| <b>HA15.</b> I don't want to know the results, but did you get the results of the test?   | YES .....                     | 1  |    |          |
|   | NO .....                      | 2  |    | 2 ⇒HA16A |
|   | DK .....                      | 8  |    | 8 ⇒HA16A |
| <b>HA16.</b> After you received the result, were you given any health information or counselling related to HIV?                  | YES .....                     | 1  |    |          |
|   | NO .....                      | 2  |    |          |
|   | DK .....                      | 8  |    |          |
| <b>HA16A.</b> I don't want to know the results, but whether during your antenatal care your husband / partner was tested for HIV? | YES .....                     | 1  |    |          |
|   | NO .....                      | 2  |    |          |
|   | DK .....                      | 8  |    |          |
| <b>HA17.</b> Check MN20: Was the child delivered in a health facility?  | YES, MN20=21-36 OR 76.....    | 1  |    |          |
|   | NO, MN20=11-12 OR 96.....     | 2  |    | 2 ⇒HA21  |
| <b>HA18.</b> Between the time you went for delivery but before the baby was born were you offered an HIV test?                    | YES .....                     | 1  |    |          |
|   | NO .....                      | 2  |    |          |
| <b>HA19.</b> I don't want to know the results, but were you tested for HIV at that time?  | YES .....                     | 1  |    |          |
|   | NO .....                      | 2  |    | 2 ⇒HA21  |
| <b>HA20.</b> I don't want to know the results, but did you get the results of the test?   | YES .....                     | 1  |    | 1 ⇒HA22  |
|   | NO .....                      | 2  |    | 2 ⇒HA22  |
| <b>HA21.</b> Check HA14: Was the respondent tested for HIV as part of antenatal care?   | YES, HA14=1 .....             | 1  |    |          |
|   | NO OR NO ANSWER, HA14≠1 ..... | 2  |    | 2 ⇒HA24  |
| <b>HA22.</b> Have you been tested for HIV since that time you were tested during your pregnancy?                                  | YES .....                     | 1  |    | 1 ⇒HA25  |
|   | NO .....                      | 2  |    |          |
| <b>HA23.</b> How many months ago was your most recent HIV test?   | LESS THAN 12 MONTHS AGO ..... | 1  |    | 1 ⇒HA28  |
|   | 12-23 MONTHS AGO .....        | 2  |    | 2 ⇒HA28  |
|   | 2 OR MORE YEARS AGO .....     | 3  |    | 3 ⇒HA28  |
| <b>HA24.</b> I don't want to know the results, but have you ever been tested for HIV?   | YES .....                     | 1  |    |          |
|   | NO .....                      | 2  |    | 2 ⇒HA27  |
| <b>HA25.</b> How many months ago was your most recent HIV test?   | LESS THAN 12 MONTHS AGO ..... | 1  |    |          |
|   | 12-23 MONTHS AGO .....        | 2  |    |          |
|   | 2 OR MORE YEARS AGO .....     | 3  |    |          |

|   |  |                                   |
|---|--|-----------------------------------|
| <b>HA26.</b> I don't want to know the results, but did you get the results of the test?   | YES ..... 1<br>NO ..... 2<br><br>DK ..... 8  | 1 ⇒HA28<br>2 ⇒HA28<br><br>8 ⇒HA28 |
| <b>HA27.</b> Do you know of a place where people can go to get an HIV test?   | YES ..... 1<br>NO ..... 2  |                                   |
| <b>HA28.</b> Have you heard of test kits people can use to test themselves for HIV?   | YES ..... 1<br>NO ..... 2  | 2 ⇒HA30                           |
| <b>HA29.</b> Have you ever tested yourself for HIV using a self-test kit?   | YES ..... 1<br>NO ..... 2  |                                   |
| <b>HA30.</b> Would you buy fresh vegetables from a shopkeeper or vendor if you knew that this person had HIV?   | YES ..... 1<br>NO ..... 2<br><br>DK / NOT SURE / DEPENDS ..... 8                             |                                   |
| <b>HA31.</b> Do you think children living with HIV should be allowed to attend school with children who do not have HIV?  | YES ..... 1<br>NO ..... 2<br><br>DK / NOT SURE / DEPENDS ..... 8                             |                                   |
| <b>HA32.</b> Do you think people hesitate to take an HIV test because they are afraid of how other people will react if the test result is positive for HIV?                      | YES ..... 1<br>NO ..... 2<br><br>DK / NOT SURE / DEPENDS ..... 8                             |                                   |
| <b>HA33.</b> Do people talk badly about people living with HIV, or who are thought to be living with HIV?   | YES ..... 1<br>NO ..... 2<br><br>DK / NOT SURE / DEPENDS ..... 8                             |                                   |
| <b>HA34.</b> Do people living with HIV, or thought to be living with HIV, lose the respect of other people?   | YES ..... 1<br>NO ..... 2<br><br>DK / NOT SURE / DEPENDS ..... 8                             |                                   |
| <b>HA35.</b> Do you agree or disagree with the following statement?<br><br>I would be ashamed if someone in my family had HIV.  | AGREE ..... 1<br>DISAGREE ..... 2<br><br>DK / NOT SURE / DEPENDS ..... 8                     |                                   |
| <b>HA36.</b> Do you fear that you could get HIV if you come into contact with the saliva of a person living with HIV?   | YES ..... 1<br>NO ..... 2<br>SAYS SHE HAS HIV ..... 7<br><br>DK / NOT SURE / DEPENDS ..... 8 |                                   |
| <b>HA37.</b> Check WB4 and WB5, age between 15-24 years and ever attended school?   | YES (WB4 is 15-24 and WB5 =1) ..... 1<br>NO ..... 2  | 2 ⇒WM10                           |
| <b>HA38.</b> Did you study sexuality education in school? Sexuality education includes birth control, safe sex, teen pregnancy, reproductive tract infections and wellbeing, etc. | YES ..... 1<br>NO ..... 2  | 2 ⇒WM10                           |

|  |  |  |
|--|--|--|
| <p><b>HA39.</b> At what level did you have sexuality education?</p>  | <p>PRIMARY ..... A<br/> LOWER SECONDARY ..... B<br/> UPPER SECONDARY ..... C<br/> VOCATIONAL CERTIFICATE ..... D<br/> DIPLOMA / ASSOCIATE.....E<br/> <br/> DK / NOT SURE.....Z</p>   |  |
| <p><b>HA40.</b> Apart from sexuality education classes, did you have other source of sexuality information?</p> <p><i>Probe:</i> Any other source?</p> | <p>INTERNET .....A<br/> MOVIES.....B<br/> TELEVISION.....C<br/> RADIO .....D<br/> BOOK.....E<br/> COMICS.....F<br/> FICTION .....G<br/> FRIENDS .....H<br/> OLDER BROTHER-SISTER / YOUNGER<br/> BROTHER-SISTER.....I<br/> PARENTS / GUARDIAN .....J<br/> <br/> OTHER (<i>specify</i>)_____ X<br/> <br/> NO SOURCE .....Y</p> |  |

|   |  |  |
|---|--|--|
| <b>WM10.</b> <i>Record the time.</i>  | HOURS AND MINUTES ..... _ _ : _ _  |  |
| <b>WM11.</b> <i>Was the entire interview completed in private or was there anyone else during the entire interview or part of it?</i> | YES, THE ENTIRE INTERVIEW WAS COMPLETED IN PRIVATE ..... 1<br><br>NO, OTHERS WERE PRESENT DURING THE ENTIRE INTERVIEW<br><i>(specify)</i> ..... 2<br><br>NO, OTHERS WERE PRESENT DURING PART OF THE INTERVIEW<br><i>(specify)</i> ..... 3  |  |
| <b>WM12.</b> <i>Language of the Questionnaire.</i>  | THAI ..... 1<br>ENGLISH ..... 2  |  |
| <b>WM13.</b> <i>Language of the Interview.</i>  | THAI ..... 1<br>ENGLISH ..... 2<br><br>OTHER LANGUAGE<br><i>(specify)</i> ..... 6  |  |
| <b>WM14.</b> <i>Native language of the Respondent.</i>  | THAI ..... 01<br>ENGLISH ..... 02<br>CHINESE ..... 03<br>BURMESE ..... 04<br>KHMER / KUY ..... 05<br>MALAY / JAWI ..... 06<br>LAO ..... 07<br>KAREN ..... 08<br>HMONG ..... 09<br>LAHU ..... 10<br>MON ..... 11<br>LAWLA ..... 12<br>AKHA ..... 13<br>NYEU ..... 14<br>SHAN ..... 15<br><br>OTHER LANGUAGE <i>(specify)</i> ..... 96 |  |
| <b>WM15.</b> <i>Was a translator used for any parts of this questionnaire?</i>  | YES, THE ENTIRE QUESTIONNAIRE ..... 1<br>YES, PARTS OF THE QUESTIONNAIRE ..... 2<br>NO, NOT USED ..... 3   |  |



| MICS PLUS CONSENT   |                               |  |  |   |   |
|---|-------------------------------|--|--|---|---|
| <b>WM20.</b> Check HH60. Was consent for MICS Plus previously asked from this respondent?   |                               |  | YES, CONSENT ALREADY ASKED .....1<br>NO, NOT ASKED .....2                      |   | 1 ⇔ WM29  |
| <b>WM21.</b> Check HH67. Was consent for MICS Plus previously given for this respondent in the HH questionnaire?  |                               |  | YES, CONSENT GIVEN .....1<br>NO, NOT ASKED .....2                              |   | 1 ⇔ WM29  |
| <b>WM22.</b> Was consent for MICS Plus previously asked from this respondent in any other questionnaire (UF or FS)?   |                               |  | YES, CONSENT ALREADY ASKED .....1<br>NO, NOT ASKED .....2                      |   | 1 ⇔ WM29  |
| <b>WM23.</b> We may call you back to talk about you and your family in the coming months. This call will take about 10-15 minutes. Again, all the information you provide will be confidential and anonymous.<br><br>Would you like to participate? |                               |  | YES .....1<br>NO .....2<br><br>OTHER (specify) _____ 6                         |   | 2 ⇔ WM29<br><br>6 ⇔ WM29  |
| <b>WM24.</b> Please give me all phone numbers at which we can easily get in touch with you, starting with your preferred number. If 'No', Ask, Can we reach you through somebody else's phone number?   |                               |  | YES .....1<br>NO PHONE .....2  |   | 2 ⇔ WM29  |
| <b>WM25</b><br><i>Order</i>   | <b>WM26.</b> Telephone number | <b>WM26A.</b> Is this landline or mobile<br><br>1. LANDLINE<br>2. MOBILE | <b>WM26B.</b> Who does this phone belong to?<br><i>Record the line number#</i> | <b>WM27.</b> Is there any preferred or more convenient time of the day we could call you on this number?<br><br>A. MORNINGS      B. AFTERNOON<br>C. EVENINGS      D. WEEKENDS<br>E. ANYTIME      X. OTHER (specify____) | <b>WM28.</b> Do you have another phone number?<br><br>1. YES<br>2. NO |
| <b>1</b>  |                               | 1      2   | ___ ___  | A   B   C   D   E   X   | 1 ⚡      2 ⚡<br><i>Next Line</i> WM29                                 |
| <b>2</b>  |                               | 1      2   | ___ ___  | A   B   C   D   E   X   | 1 ⚡      2 ⚡<br><i>Next Line</i> WM29                                 |
| <b>3</b>  |                               | 1      2   | ___ ___  | A   B   C   D   E   X   |   |
| <b>OTHER CODES FOR WM26B:</b> 40-Home phone; 50-Neighbour; 51-Friend; 60-Workplace/office; 90-Don't want to disclose.   |                               |  |  |   |   |

**WM29.** Check columns HL10 and HL20 in LIST OF HOUSEHOLD MEMBERS, HOUSEHOLD QUESTIONNAIRE:

*Is the respondent the mother or caretaker of any child age 0-4 living in this household?*

- Yes* ⇒ Go to WM17 in WOMAN'S INFORMATION PANEL and record '01'. Then go to the QUESTIONNAIRE FOR CHILDREN UNDER FIVE for that child and start the interview with this respondent.
- No* ⇒ Check HH26-HH27 in HOUSEHOLD QUESTIONNAIRE: Is there a child age 5-14 selected for QUESTIONNAIRE FOR CHILDREN AGE 5-14?
  - Yes* ⇒ Check column HL20 in LIST OF HOUSEHOLD MEMBERS, HOUSEHOLD QUESTIONNAIRE:  
*Is the respondent the mother or caretaker of the child selected for QUESTIONNAIRE FOR CHILDREN AGE 5-14 in this household?*
    - Yes* ⇒ Go to WM17 in WOMAN'S INFORMATION PANEL and record '01'. Then go to the QUESTIONNAIRE FOR CHILDREN AGE 5-14 for that child and start the interview with this respondent.
    - No* ⇒ Go to WM17 in WOMAN'S INFORMATION PANEL and record '01'. Then end the interview with this respondent by thanking her for her cooperation. Check to see if there are other questionnaires to be administered in this household.
  - No* ⇒ Go to WM17 in WOMAN'S INFORMATION PANEL and record '01'. Then end the interview with this respondent by thanking her for her cooperation. Check to see if there are other questionnaires to be administered in this household.

**INTERVIEWER'S OBSERVATIONS**

**SUPERVISOR'S OBSERVATIONS**

| MAN'S INFORMATION PANEL                            |   | MWM |
|--|---|-----|
| MWM1. Cluster number: _____                        | MWM2. Household number: _____                                     |     |
| MWM3. Man's name and line number:<br>NAME _____    | MWM4. Supervisor's name and number:<br>NAME _____                 |     |
| MWM5. Interviewer's name and number:<br>NAME _____ | MWM6. Day / Month / Year of interview:<br>_____ / _____ / 2 5 6 5 |     |

|  |   |
|--|---|
| <p><i>Check man's age in HL6 in LIST OF HOUSEHOLD MEMBERS, HOUSEHOLD QUESTIONNAIRE: If age 15-17, verify in HH39 that adult consent for interview is obtained or not necessary (HL20=90). If consent is needed and not obtained, the interview must not commence and '06' should be recorded in MWM17.</i></p>   | <p><b>MWM7. Record the time:</b></p> <p align="center">HOURS : MINUTES<br/>_____ : _____</p>  |
| <p><b>MWM8.</b> Check completed questionnaires in this household: Have you or another member of your team interviewed this respondent for another questionnaire?</p>   | <p>YES, INTERVIEWED ALREADY .... 1      1 ⇒MWM9B<br/>NO, FIRST INTERVIEW ..... 2        2 ⇒MWM9A</p>  |
| <p><b>MWM9A.</b> Hello, my name is (<i>your name</i>). We are from National Statistical Office. We are conducting a survey about the situation of children, families and households. I would like to talk to you about your health and other topics. This interview usually takes about 15 minutes. We are also interviewing mothers about their children. All the information we obtain will remain strictly confidential and anonymous. If you wish not to answer a question or wish to stop the interview, please let me know. May I start now?</p> | <p><b>MWM9B.</b> Now I would like to talk to you about your health and other topics in more detail. This interview will take about 15 minutes. Again, all the information we obtain will remain strictly confidential and anonymous. If you wish not to answer a question or wish to stop the interview, please let me know. May I start now?</p> |
| <p>YES ..... 1<br/>NO / NOT ASKED ..... 2</p>  | <p>1 ⇒MAN'S BACKGROUND Module<br/>2 ⇒MWM17</p>  |

|   |  |
|---|--|
| <p><b>MWM17.</b> Result of man's interview.</p> <p><i>Discuss any result not completed with Supervisor.</i></p> | <p>COMPLETED ..... 01<br/>NOT AT HOME ..... 02<br/>REFUSED ..... 03<br/>PARTLY COMPLETED ..... 04<br/><br/>INCAPACITATED (<i>specify</i>) _____ 05<br/>NO ADULT CONSENT FOR RESPONDENT<br/>  AGE 15-17 ..... 06<br/><br/>OTHER (<i>specify</i>) _____ 96</p> |
|---|--|

| MAN'S BACKGROUND   |   | MWB                    |
|--|---|------------------------|
| <b>MWB1.</b> Check the respondent's line number (MWM3) in MAN'S INFORMATION PANEL and the respondent to the HOUSEHOLD QUESTIONNAIRE (HH47): Is this respondent also the respondent to the Household Questionnaire? | YES, RESPONDENT IS THE SAME,<br>MWM3=HH47 ..... 1<br>NO, RESPONDENT IS NOT THE SAME,<br>MWM3≠HH47 ..... 2   | 2 ⇒ MWB3               |
| <b>MWB2.</b> Check ED5 in EDUCATION Module in the HOUSEHOLD QUESTIONNAIRE for this respondent: Highest level of school attended  | ED5=02 TO 08 ..... 1<br>ED5=00, 01, 98 OR BLANK ..... 2   | 1 ⇒ MWB15<br>2 ⇒ MWB14 |
| <b>MWB3.</b> In what month and year were you born?   | DATE OF BIRTH<br>MONTH ..... __ __<br>DK MONTH ..... 98<br><br>YEAR ..... __ __ __ __<br>DK YEAR ..... 9998   |                        |
| <b>MWB4.</b> How old are you?<br><br><i>Probe: How old were you at your last birthday?</i><br><br><i>If responses to MWB3 and MWB4 are inconsistent, probe further and correct. Age must be recorded.</i>          | AGE (IN COMPLETED YEARS) ..... __ __  |                        |
| <b>MWB5.</b> Have you ever attended school or any early childhood education programme?<br><br><i>If 'NO', probe: Have you ever attended remotely?</i>  | YES ..... 1<br>NO ..... 2   | 2 ⇒ MWB14              |
| <b>MWB6.</b> What is the highest level and grade or year of school you have attended?<br><br><i>If NON-FORMAL DK grade, record grade '95'.</i>   | EARLY CHILDHOOD EDUCATION ..... 000<br>PRIMARY ..... 1 __ __<br>LOWER SECONDARY ..... 2 __ __<br>UPPER SECONDARY ..... 3 __ __<br>CERTIFICATE (VCE / TCE) ..... 4 __ __<br>DIPLOMA (HVC / CTV / HTC) ..... 5 __ __<br>BACHELOR DEGREE ..... 6 __ __<br>MASTER DEGREE ..... 7 __ __<br>DOCTORAL DEGREE ..... 8 __ __ | 000 ⇒ MWB14            |
| <b>MWB7.</b> Did you complete that (grade/year)?   | YES ..... 1<br>NO ..... 2   |                        |
| <b>MWB8.</b> Check MWB4: Age of respondent:  | AGE 15-24 ..... 1<br>AGE 25-49 ..... 2  | 2 ⇒ MWB13              |
| <b>MWB9.</b> At any time during the 2565-66 school year did you attend school?<br><br><i>If 'NO', probe: Did you attend remotely during the 2565-2566 school year?</i>   | YES ..... 1<br>NO ..... 2   | 2 ⇒ MWB11              |
| <b>MWB10.</b> During the 2565-66 school year, which level and grade or year are you attending?<br><br><i>If NON-FORMAL DK grade, record grade '95'</i>   | PRIMARY ..... 1 __ __<br>LOWER SECONDARY ..... 2 __ __<br>UPPER SECONDARY ..... 3 __ __<br>CERTIFICATE (VCE) ..... 4 __ __<br>HVC / DIPLOMA ..... 5 __ __<br>BACHELOR DEGREE ..... 6 __ __<br>MASTER DEGREE ..... 7 __ __<br>DOCTORAL DEGREE ..... 8 __ __  |                        |

|   |  |                        |
|---|--|------------------------|
| <p><b>MWB11.</b> At any time during the 2564-65 school year did you attend school?</p> <p><i>If 'NO', probe: Did you attend remotely during the 2564-2565 school year?</i></p>  | <p>YES ..... 1<br/>NO ..... 2</p>  | <p>2 ⇒ MWB13</p>       |
| <p><b>MWB12.</b> During the 2564-65 school year, which level and grade or year did you <u>attend</u>?</p> <p><i>If NON-FORMAL DK grade, record grade '95'</i></p>   | <p>PRIMARY ..... 1 ___<br/>LOWER SECONDARY ..... 2 ___<br/>UPPER SECONDARY ..... 3 ___<br/>CERTIFICATE (VCE) ..... 4 ___<br/>HVC / DIPLOMA ..... 5 ___<br/>BACHELOR DEGREE ..... 6 ___<br/>MASTER DEGREE ..... 7 ___<br/>DOCTORAL DEGREE ..... 8 ___</p> |                        |
| <p><b>MWB13.</b> Check MWB6: Highest level of school attended:</p>  | <p>MWB6=02 TO 08 ..... 1<br/>MWB6=01 ..... 2</p>   | <p>1 ⇒ MWB15</p>       |
| <p><b>MWB14.</b> Now I would like you to read this sentence to me.</p> <p><i>Show sentence on the card to the respondent.</i></p> <p><i>If respondent cannot read whole sentence, probe: Can you read part of the sentence to me?</i></p>   | <p>CANNOT READ AT ALL ..... 1<br/>ABLE TO READ ONLY PARTS OF SENTENCE ..... 2<br/>ABLE TO READ WHOLE SENTENCE ..... 3<br/>NO SENTENCE IN REQUIRED LANGUAGE / BRAILLE (specify language) ..... 4</p>  |                        |
| <p><b>MWB15.</b> How long have you been continuously living in (name of current city, town or village of residence)?</p> <p><i>If less than one year, record '00' years.</i></p>  | <p>YEARS ..... ___<br/>ALWAYS / SINCE BIRTH ..... 95</p>   | <p>95 ⇒ MWB18</p>      |
| <p><b>MWB16.</b> Just before you moved here, did you live in a city, in a town, or in a rural area?</p> <p><i>Probe to identify the type of place.</i></p> <p><i>If unable to determine whether the place is a municipality (urban) or non-municipality (rural), write the name of the place and then temporarily record '5' until you learn the appropriate category for the response.</i></p> <p>_____</p> <p>(Name of place)</p> | <p>MUNICIPALITY ..... 1<br/>NON-MUNICIPALITY ..... 2</p> <p>UNABLE TO DETERMINE IF URBAN/RURAL 5<br/>DK / DON'T REMEMBER ..... 8</p>   |                        |
| <p><b>MWB17.</b> Before you moved here, in which region did you live in?</p>  | <p>BANGKOK ..... 01<br/>CENTRAL ..... 02<br/>NORTH ..... 03<br/>NORTHEAST ..... 04<br/>SOUTH ..... 05<br/>OUTSIDE OF THAILAND (specify) ..... 96</p>   |                        |
| <p><b>MWB18.</b> Are you covered by any health insurance?</p>   | <p>YES ..... 1<br/>NO ..... 2</p>  | <p>2 ⇒ Next module</p> |

**MWB19.** What type of health insurance are you covered by?

*Record all mentioned.*

- HEALTH INSURANCE THROUGH EMPLOYER..... B
- SOCIAL SECURITY/COMPENSATION FUND . C
- PRIVATE HEALTH INSURANCE ..... D
- UNIVERSAL HEALTH-CARE COVERAGE SCHEME.....E
- GOVERNMENT OFFICER.....F
- LOCAL ADMINISTRATIVE ORGANIZATION G
- STATE ENTERPRISES OR INDEPENDENT AGENCIES ..... H
- OTHER (*specify*) \_\_\_\_\_ X

**FERTILITY**

**MCM**

|   |  |   |
|---|--|---|
| <p><b>MCM1.</b> Now I would like to ask about all the children you have had during your life. I am interested in all of the children that are biologically yours, even if they are not legally yours or do not have your last name.</p> <p>Have you ever fathered any children with any woman?</p> <p><i>This module should only include children born alive. Any stillbirths should not be included in response to any question.</i></p> | <p>YES ..... 1<br/>                 NO ..... 2<br/>                 DK ..... 8</p> | <p>2 ⇒ MCM8<br/>                 8 ⇒ MCM8</p> |
| <p><b>MCM2.</b> Do you have any sons or daughters that you have fathered who are now living with you?</p>   | <p>YES ..... 1<br/>                 NO ..... 2</p>                                 | <p>2 ⇒ MCM5</p>                               |
| <p><b>MCM3.</b> How many sons live with you?</p> <p><i>If none, record '00'.</i></p>  | <p>SONS AT HOME..... _ _</p>   |   |
| <p><b>MCM4.</b> How many daughters live with you?</p> <p><i>If none, record '00'.</i></p>   | <p>DAUGHTERS AT HOME..... _ _</p>  |   |
| <p><b>MCM5.</b> Do you have any sons or daughters that you have fathered who are alive but do not live with you?</p>  | <p>YES ..... 1<br/>                 NO ..... 2</p>                                 | <p>2 ⇒ MCM8</p>                               |
| <p><b>MCM6.</b> How many sons are alive but do not live with you?</p> <p><i>If none, record '00'.</i></p>   | <p>SONS ELSEWHERE ..... _ _</p>  |   |
| <p><b>MCM7.</b> How many daughters are alive but do not live with you?</p> <p><i>If none, record '00'.</i></p>  | <p>DAUGHTERS ELSEWHERE ..... _ _</p>   |   |
| <p><b>MCM8.</b> Have you ever fathered a son or daughter who was born alive but later died?</p> <p><i>If 'No' probe by asking:<br/>                 I mean, to any baby who cried, who made any movement, sound, or effort to breathe, or who showed any other signs of life even if for a very short time?</i></p>   | <p>YES ..... 1<br/>                 NO ..... 2</p>                                 | <p>2 ⇒ MCM11</p>                              |
| <p><b>MCM9.</b> How many boys have died?</p> <p><i>If none, record '00'.</i></p>  | <p>BOYS DEAD ..... _ _</p>   |   |
| <p><b>MCM10.</b> How many girls have died?</p> <p><i>If none, record '00'.</i></p>  | <p>GIRLS DEAD ..... _ _</p>  |   |
| <p><b>MCM11.</b> Sum answers to MCM3, MCM4, MCM6, MCM7, MCM9 and MCM10.</p>   | <p>SUM ..... _ _</p>   |   |
| <p><b>MCM12.</b> Just to make sure that I have this right, you have fathered (<i>total number in MCM11</i>) live births during your life. Is this correct?</p>  | <p>YES ..... 1<br/>                 NO ..... 2</p>                                 | <p>1 ⇒ MCM14</p>                              |



|  |   |                               |
|--|---|-------------------------------|
| <b>MCM13.</b> Check responses to MCM1-MCM10 and make corrections as necessary until response in MCM12 is 'Yes'.  |   |                               |
| <b>MCM14.</b> Check MCM11: How many live births fathered?  | NO LIVE BIRTHS, MCM11=00 ..... 0<br>ONE LIVE BIRTH ONLY, MCM11=01 ..... 1<br>TWO OR MORE LIVE BIRTHS,<br>MCM11=02 OR MORE ..... 2 | 0 ⇨ Next module<br>1 ⇨ MCM18A |
| <b>MCM15.</b> Did all the children you have fathered have the same biological mother?  | YES ..... 1<br>NO ..... 2   | 1 ⇨ MCM17                     |
| <b>MCM16.</b> In all, how many women have you fathered children with?  | NUMBER OF WOMEN ..... _ _   |                               |
| <b>MCM17.</b> How old were you when your first child was born?   | AGE IN YEARS..... _ _   | ⇨ MCM18B                      |
| <b>MCM18A.</b> In what month and year was the child you have fathered born?<br><br><b>MCM18B.</b> In what month and year was the last of these ( <i>total number in MCM11</i> ) children you have fathered born even if he or she has died?<br><br><i>Month and year must be recorded.</i> | DATE OF LAST BIRTH<br><br>MONTH ..... _ _<br><br>YEAR ..... _ _ _ _   |                               |

**ATTITUDES TOWARD DOMESTIC VIOLENCE**

**MDV**

**MDV1.** Sometimes a husband is annoyed or angered by things that his wife does. In your opinion, is a husband justified in hitting or beating his wife in the following situations:

|  |                                | YES | NO | DK |
|--|--------------------------------|-----|----|----|
| [A] If she goes out without telling him? | GOES OUT WITHOUT TELLING ..... | 1   | 2  | 8  |
| [B] If she neglects the children?        | NEGLECTS CHILDREN .....        | 1   | 2  | 8  |
| [C] If she argues with him?              | ARGUES WITH HIM.....           | 1   | 2  | 8  |
| [D] If she refuses to have sex with him? | REFUSES SEX .....              | 1   | 2  | 8  |
| [E] If she burns the food?               | BURNS FOOD .....               | 1   | 2  | 8  |
| [F] If she neglects household chores?    | NEGLECT HH CHORES .....        | 1   | 2  | 8  |

**VICTIMISATION**

**MVT**

**MVT1.** *Check for the presence of others. Before continuing, ensure privacy.* Now I would like to ask you some questions about crimes in which you personally were the victim.

Let me assure you again that your answers are completely confidential and will not be told to anyone.

In the last three years, that is since (*month of interview*) (*year of interview minus 3*), has anyone taken or tried taking something from you, by using force or threatening to use force?

*Include only incidents in which the respondent was personally the victim and exclude incidents experienced only by other members of the household.*

*If necessary, help the respondent to establish the recall period and make sure that you allow adequate time for the recall. You may reassure: It can be difficult to remember this sort of incidents, so please take your time while you think about your answers.*

YES..... 1  
 NO ..... 2      2 ⇨MVT9B  
 DK ..... 8      8 ⇨MVT9B

**MVT2.** Did this last happen during the last 12 months, that is, since (*month of interview*) (*year of interview minus 1*)?

YES, DURING THE LAST 12 MONTHS ..... 1  
 NO, MORE THAN 12 MONTHS AGO..... 2      2 ⇨MVT9A  
 DK / DON'T REMEMBER..... 8      8 ⇨MVT9A

**MVT3.** How many times did this happen in the last 12 months?

*If 'DK/Don't remember', probe: Did it happen once, twice, or at least three times?*

ONE TIME ..... 1  
 TWO TIMES ..... 2  
 THREE OR MORE TIMES ..... 3  
 DK / DON'T REMEMBER..... 8

|  |   |                                 |
|--|---|---------------------------------|
| <p><b>MVT9A.</b> Apart from the incident(s) just covered, have you in the last three years, that is since (<i>month of interview</i>) (<i>year of interview minus 3</i>), been physically attacked?</p> <p><b>MVT9B.</b> In the same period of the last three years, that is since (<i>month of interview</i>) (<i>year of interview minus 3</i>), have you been physically attacked?</p> <p><i>If 'No', probe: An attack can happen at home or any place outside of the home, such as in other homes, in the street, at school, on public transport, public restaurants, or at your workplace.</i></p> <p><i>Include only incidents in which the respondent was personally the victim and exclude incidents experienced only by other members of the household. Exclude incidents where the intention was to take something from the respondent, which should be recorded under MVT1.</i></p> | <p>YES..... 1</p> <p>NO ..... 2</p> <p>DK ..... 8</p>   | <p>2 ⇨MVT20</p> <p>8 ⇨MVT20</p> |
| <p><b>MVT10.</b> Did this last happen during the last 12 months, that is, since (<i>month of interview</i>) (<i>year of interview minus 1</i>)?</p>  | <p>YES, DURING THE LAST 12 MONTHS ..... 1</p> <p>NO, MORE THAN 12 MONTHS AGO..... 2</p> <p>DK / DON'T REMEMBER..... 8</p>             | <p>2 ⇨MVT20</p> <p>8 ⇨MVT20</p> |
| <p><b>MVT11.</b> How many times did this happen in the last 12 months?</p> <p><i>If 'DK/Don't remember', probe: Did it happen once, twice, or at least three times?</i></p>  | <p>ONE TIME ..... 1</p> <p>TWO TIMES ..... 2</p> <p>THREE OR MORE TIMES ..... 3</p> <p>DK / DON'T REMEMBER..... 8</p>                 |                                 |
| <p><b>MVT20.</b> How safe do you feel walking alone in your neighbourhood after dark?</p>  | <p>VERY SAFE..... 1</p> <p>SAFE ..... 2</p> <p>UNSAFE..... 3</p> <p>VERY UNSAFE ..... 4</p> <p>NEVER WALK ALONE AFTER DARK..... 7</p> |                                 |
| <p><b>MVT21.</b> How safe do you feel when you are at home alone after dark?</p>   | <p>VERY SAFE..... 1</p> <p>SAFE ..... 2</p> <p>UNSAFE..... 3</p> <p>VERY UNSAFE ..... 4</p> <p>NEVER ALONE AFTER DARK..... 7</p>      |                                 |

| MVT22. In the past 12 months, have you <u>personally</u> felt discriminated against or harassed on the basis of the following grounds? |                           | YES | NO | DK |
|--|---------------------------|-----|----|----|
| [A] Ethnic or immigration origin?  | ETHNIC / IMMIGRATION..... | 1   | 2  | 8  |
| [B] Sex?   | SEX.....                  | 1   | 2  | 8  |
| [C] Sexual orientation?  | SEXUAL ORIENTATION.....   | 1   | 2  | 8  |
| [D] Age?   | AGE.....                  | 1   | 2  | 8  |
| [E] Religion or belief?  | RELIGION / BELIEF.....    | 1   | 2  | 8  |
| [F] Disability?  | DISABILITY.....           | 1   | 2  | 8  |
| [G] Poor status?   | POOR STATUS.....          | 1   | 2  | 8  |
| [H] Work position?   | WORK POSITION.....        | 1   | 2  | 8  |
| [X] For any other reason?  | OTHER REASON.....         | 1   | 2  | 8  |

| MARRIAGE/UNION  |   | MMA                      |
|---|---|--------------------------|
| <b>MMA1.</b> Are you currently married or living together with someone as if married?   | YES, CURRENTLY MARRIED ..... 1<br>YES, LIVING WITH A PARTNER ..... 2<br>NO, NOT IN UNION ..... 3                | 3 ⇨ MMA5                 |
| <b>MMA3.</b> Do you have other wives or do you live with other partners as if married?  | YES ..... 1<br>NO ..... 2   | 2 ⇨ MMA7                 |
| <b>MMA4.</b> How many other wives or live-in partners do you have?  | NUMBER ..... __ __<br>DK ..... 98   | ⇨ MMA7<br>98 ⇨ MMA7      |
| <b>MMA5.</b> Have you ever been married or lived together with someone as if married?   | YES, FORMERLY MARRIED ..... 1<br>YES, FORMERLY LIVED WITH A PARTNER. 2<br>NO ..... 3                            | 3 ⇨ Next module          |
| <b>MMA6.</b> What is your marital status now: are you widowed, divorced or separated?   | WIDOWED ..... 1<br>DIVORCED ..... 2<br>SEPARATED ..... 3  |                          |
| <b>MMA7.</b> Have you been married or lived with someone only once or more than once?   | ONLY ONCE ..... 1<br>MORE THAN ONCE ..... 2   | 1 ⇨ MMA8A<br>2 ⇨ MMA8B   |
| <b>MMA8A.</b> In what month and year did you start living with your (wife/partner)?<br><b>MMA8B.</b> In what month and year did you start living with your <u>first</u> (wife/partner)? | DATE OF (FIRST) UNION<br>MONTH ..... __ __<br>DK MONTH ..... 98<br>YEAR ..... __ __ __ __<br>DK YEAR ..... 9998 |                          |
| <b>MMA9.</b> Check MMA8A/B: Is 'DK YEAR' recorded?  | YES, MMA8A/B=9998 ..... 1<br>NO, MMA8A/B≠9998 ..... 2   | 2 ⇨ Next module          |
| <b>MMA10.</b> Check MMA7: In union only once?   | YES, MMA7=1 ..... 1<br>NO, MMA7=2 ..... 2   | 1 ⇨ MMA11A<br>2 ⇨ MMA11B |
| <b>MMA11A.</b> How old were you when you started living with your (wife/partner)?<br><b>MMA11B.</b> How old were you when you started living with your <u>first</u> (wife/partner)?     | AGE IN YEARS ..... __ __  |                          |

| HIV/AIDS   |  |                                     |     | MHA |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |  |  |
|--|--|-------------------------------------|-----|-----|----|------------------------|---|---|---|-----------------------|---|---|---|------------------------|---|---|---|--|--|--|
| <b>MHA1.</b> Now I would like to talk with you about something else.<br><br>Have you ever heard of HIV or AIDS?  | YES ..... 1<br>NO ..... 2<br><br>DK ..... 8  | 2 ⇒ Next module                     |     |     |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |  |  |
| <b>MHA2.</b> HIV is the virus that can lead to AIDS.<br><br>Can people reduce their chance of getting HIV by having just one uninfected sex partner who has no other sex partners? | YES ..... 1<br>NO ..... 2<br><br>DK ..... 8  |                                     |     |     |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |  |  |
| <b>MHA3.</b> Can people get HIV from mosquito bites?   | YES ..... 1<br>NO ..... 2<br><br>DK ..... 8  |                                     |     |     |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |  |  |
| <b>MHA4.</b> Can people reduce their chance of getting HIV by using a condom every time they have sex?   | YES ..... 1<br>NO ..... 2<br><br>DK ..... 8  |                                     |     |     |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |  |  |
| <b>MHA5.</b> Can people get HIV by sharing food with a person who has HIV?   | YES ..... 1<br>NO ..... 2<br><br>DK ..... 8  |                                     |     |     |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |  |  |
| <b>MHA6.</b> Can people get HIV because of witchcraft or other supernatural means?   | YES ..... 1<br>NO ..... 2<br><br>DK ..... 8  |                                     |     |     |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |  |  |
| <b>MHA7.</b> Is it possible for a healthy-looking person to have HIV?  | YES ..... 1<br>NO ..... 2<br><br>DK ..... 8  |                                     |     |     |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |  |  |
| <b>MHA8.</b> Can HIV be transmitted from a mother to her baby:<br><br>[A] During pregnancy?<br>[B] During delivery?<br>[C] By breastfeeding?                                       | <table border="0"> <thead> <tr> <th></th> <th>YES</th> <th>NO</th> <th>DK</th> </tr> </thead> <tbody> <tr> <td>DURING PREGNANCY .....</td> <td>1</td> <td>2</td> <td>8</td> </tr> <tr> <td>DURING DELIVERY .....</td> <td>1</td> <td>2</td> <td>8</td> </tr> <tr> <td>BY BREASTFEEDING .....</td> <td>1</td> <td>2</td> <td>8</td> </tr> </tbody> </table> |                                     | YES | NO  | DK | DURING PREGNANCY ..... | 1 | 2 | 8 | DURING DELIVERY ..... | 1 | 2 | 8 | BY BREASTFEEDING ..... | 1 | 2 | 8 |  |  |  |
|  | YES  | NO                                  | DK  |     |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |  |  |
| DURING PREGNANCY .....   | 1  | 2                                   | 8   |     |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |  |  |
| DURING DELIVERY .....  | 1  | 2                                   | 8   |     |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |  |  |
| BY BREASTFEEDING .....   | 1  | 2                                   | 8   |     |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |  |  |
| <b>MHA9.</b> Check MHA8[A], [B] and [C]: At least one 'Yes' recorded?  | YES ..... 1<br>NO ..... 2  | 2 ⇒ MHA24                           |     |     |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |  |  |
| <b>MHA10.</b> Are there any special drugs that a doctor or a nurse can give to a woman infected with HIV to reduce the risk of transmission to the baby?                           | YES ..... 1<br>NO ..... 2<br><br>DK ..... 8  |                                     |     |     |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |  |  |
| <b>MHA24.</b> I don't want to know the results, but have you ever been tested for HIV?   | YES ..... 1<br>NO ..... 2  | 2 ⇒ MHA27                           |     |     |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |  |  |
| <b>MHA25.</b> How many months ago was your most recent HIV test?   | LESS THAN 12 MONTHS AGO ..... 1<br>12-23 MONTHS AGO ..... 2<br>2 OR MORE YEARS AGO ..... 3   |                                     |     |     |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |  |  |
| <b>MHA26.</b> I don't want to know the results, but did you get the results of the test?   | YES ..... 1<br>NO ..... 2<br><br>DK ..... 8  | 1 ⇒ MHA28<br>2 ⇒ MHA28<br>8 ⇒ MHA28 |     |     |    |                        |   |   |   |                       |   |   |   |                        |   |   |   |  |  |  |

|  |   |           |
|--|---|-----------|
| <b>MHA27.</b> Do you know of a place where people can go to get an HIV test?   | YES ..... 1<br>NO ..... 2   |           |
| <b>MHA28.</b> Have you heard of test kits people can use to test themselves for HIV?   | YES ..... 1<br>NO ..... 2   | 2 ⇒ MHA30 |
| <b>MHA29.</b> Have you ever tested yourself for HIV using a self-test kit?   | YES ..... 1<br>NO ..... 2   |           |
| <b>MHA30.</b> Would you buy fresh vegetables from a shopkeeper or vendor if you knew that this person had HIV?   | YES ..... 1<br>NO ..... 2<br><br>DK / NOT SURE / DEPENDS ..... 8  |           |
| <b>MHA31.</b> Do you think children living with HIV should be allowed to attend school with children who do not have HIV?  | YES ..... 1<br>NO ..... 2<br><br>DK / NOT SURE / DEPENDS ..... 8  |           |
| <b>MHA32.</b> Do you think people hesitate to take an HIV test because they are afraid of how other people will react if the test result is positive for HIV?                      | YES ..... 1<br>NO ..... 2<br><br>DK / NOT SURE / DEPENDS ..... 8  |           |
| <b>MHA33.</b> Do people talk badly about people living with HIV, or who are thought to be living with HIV?   | YES ..... 1<br>NO ..... 2<br><br>DK / NOT SURE / DEPENDS ..... 8  |           |
| <b>MHA34.</b> Do people living with HIV, or thought to be living with HIV, lose the respect of other people?   | YES ..... 1<br>NO ..... 2<br>DK / NOT SURE / DEPENDS ..... 8  |           |
| <b>MHA35.</b> Do you agree or disagree with the following statement?<br><br>I would be ashamed if someone in my family had HIV.  | AGREE ..... 1<br>DISAGREE ..... 2<br><br>DK / NOT SURE / DEPENDS ..... 8  |           |
| <b>MHA36.</b> Do you fear that you could get HIV if you come into contact with the saliva of a person living with HIV?   | YES ..... 1<br>NO ..... 2<br>SAYS HE HAS HIV ..... 7<br><br>DK / NOT SURE / DEPENDS ..... 8   |           |
| <b>MHA37.</b> Check MWB4 and MWB5, age between 15-24 years = and ever attended school?   | YES (MWB4 IS 15-24 AND WB5 =1) ..... 1<br>NO ..... 2  | 2 ⇒ MWM10 |
| <b>MHA38.</b> Did you study sexuality education in school? Sexuality education includes birth control, safe sex, teen pregnancy, reproductive tract infections and wellbeing, etc. | YES ..... 1<br>NO ..... 2   | 2 ⇒ MWM10 |
| <b>MHA39.</b> At what level did you have sexuality education?  | PRIMARY ..... A<br>LOWER SECONDARY ..... B<br>UPPER SECONDARY ..... C<br>VOCATIONAL CERTIFICATE ..... D<br>DIPLOMA / ASSOCIATE ..... E<br><br>DON'T KNOW / NOT SURE ..... Z |           |



|   |  |  |
|---|--|--|
| <p><b>MHA40.</b> Apart from sexuality education classes, did you have other source of sexuality information?</p> <p><i>Probe:</i> Any other source?</p> | <p>INTERNET ..... A</p> <p>MOVIES..... B</p> <p>TELEVISION..... C</p> <p>RADIO ..... D</p> <p>BOOK.....E</p> <p>COMICS.....F</p> <p>FICTION ..... G</p> <p>FRIENDS ..... H</p> <p>OLDER BROTHER-SISTER / YOUNGER BROTHER-SISTER.....I</p> <p>PARENTS / GUARDIAN .....J</p> <p>OTHER (<i>specify</i>)..... X</p> <p>NO SOURCE ..... Y</p> |  |
|---|--|--|

|  |  |  |
|--|--|--|
| <b>MWM10.</b> <i>Record the time.</i>  | HOURS AND MINUTES ..... _ _ : _ _  |  |
| <b>MWM11.</b> <i>Was the entire interview completed in private or was there anyone else during the entire interview or part of it?</i> | YES, THE ENTIRE INTERVIEW WAS COMPLETED IN PRIVATE ..... 1<br><br>NO, OTHERS WERE PRESENT DURING THE ENTIRE INTERVIEW<br>( <i>specify</i> ) ..... 2<br><br>NO, OTHERS WERE PRESENT DURING PART OF THE INTERVIEW<br>( <i>specify</i> ) ..... 3  |  |
| <b>MWM12.</b> <i>Language of the Questionnaire.</i>  | THAI ..... 1<br>ENGLISH ..... 2  |  |
| <b>MWM13.</b> <i>Language of the Interview.</i>  | THAI ..... 1<br>ENGLISH ..... 2<br><br>OTHER LANGUAGE<br>( <i>specify</i> ) ..... 6  |  |
| <b>MWM14.</b> <i>Native language of the Respondent.</i>  | THAI ..... 01<br>ENGLISH ..... 02<br>CHINESE ..... 03<br>BURMESE ..... 04<br>KHMER / KUY ..... 05<br>MALAY / JAWI ..... 06<br>LAO ..... 07<br>KAREN ..... 08<br>HMONG ..... 09<br>LAHU ..... 10<br>MON ..... 11<br>LAWA ..... 12<br>AKHA ..... 13<br>NYEU ..... 14<br>SHAN ..... 15<br><br>OTHER LANGUAGE (SPECIFY) ..... 96 |  |
| <b>MWM15.</b> <i>Was a translator used for any parts of this questionnaire?</i>  | YES, THE ENTIRE QUESTIONNAIRE ..... 1<br>YES, PARTS OF THE QUESTIONNAIRE ..... 2<br>NO, NOT USED ..... 3   |  |

| MICS PLUS CONSENT  |                                |   |   |  |  |                                      |
|--|--------------------------------|---|---|--|--|--------------------------------------|
| <b>MWM20.</b> Check HH60. Was consent for MICS Plus previously asked from this respondent?   |                                | YES, CONSENT ALREADY ASKED .....1<br>NO, NOT ASKED .....2                 |   | 1 ⇔MWM29   |  |                                      |
| <b>MWM21.</b> Check HH67. Was consent for MICS Plus previously given for this respondent in the HH questionnaire?  |                                | YES, CONSENT GIVEN .....1<br>NO, NOT ASKED .....2                         |   | 1 ⇔MWM29   |  |                                      |
| <b>MWM22.</b> Was consent for MICS Plus previously asked from this respondent in any other questionnaire (U5Q or 5-17Q)?   |                                | YES, CONSENT ALREADY ASKED .....1<br>NO, NOT ASKED .....2                 |   | 1 ⇔MWM29   |  |                                      |
| <b>MWM23.</b> We may call you back to talk about you and your family in the coming months. This call will take about 10-15 minutes. Again, all the information you provide will be confidential and anonymous.<br><br>Would you like to participate? |                                | YES .....1<br>NO.....2<br><br>OTHER (specify) _____ 6                     |   | 2 ⇔MWM29<br><br>6 ⇔MWM29   |  |                                      |
| <b>MWM24.</b> Please give me all phone numbers at which we can easily get in touch with you, starting with your preferred number. If 'No', Ask, Can we reach you through somebody else's phone number?   |                                | YES .....1<br>NO PHONE .....2   |   | 2 ⇔MWM29   |  |                                      |
| <b>MWM25</b><br><i>Order</i>   | <b>MWM26.</b> Telephone number | <b>MWM26A.</b> Is this landline or mobile<br><br>1. LANDLINE<br>2. MOBILE | <b>MWM26B.</b> Who does this phone belong to?<br><i>Record the line number#</i> | <b>MWM27.</b> Is there any preferred or more convenient time of the day we could call you on this number?<br><br>A. MORNINGS      B. AFTERNOON<br>C. EVENINGS      D. WEEKENDS<br>E. ANYTIME      X. OTHER (specify____) | <b>MWM28.</b> Do you have another phone number?<br><br>1. YES<br>2. NO |                                      |
| <b>1</b>   |                                | 1      2  | ___ ___   | A   B   C   D   E   X  | 1 ✎  | 2 ✎<br><i>Next Line</i> <i>MWM29</i> |
| <b>2</b>   |                                | 1      2  | ___ ___   | A   B   C   D   E   X  | 1 ✎  | 2 ✎<br><i>Next Line</i> <i>MWM29</i> |
| <b>3</b>   |                                | 1      2  | ___ ___   | A   B   C   D   E   X  |  |                                      |
| <b>OTHER CODES FOR MWM26B:</b> 40-Home phone; 50-Neighbour; 51-Friend; 60-Workplace/office; 90-Don't want to disclose.   |                                |   |   |  |  |                                      |

**MWM29.** Check columns HL10 and HL20 in LIST OF HOUSEHOLD MEMBERS, HOUSEHOLD QUESTIONNAIRE:

*Is the respondent the caretaker of any child age 0-4 living in this household?*

- Yes* ⇒ Go to MWM17 in MAN'S INFORMATION PANEL and record '01'. Then go to the QUESTIONNAIRE FOR CHILDREN UNDER FIVE for that child and start the interview with this respondent.
- No* ⇒ Check HH26-HH27 in HOUSEHOLD QUESTIONNAIRE: Is there a child age 5-14 selected for QUESTIONNAIRE FOR CHILDREN AGE 5-14?
  - Yes* ⇒ Check column HL20 in LIST OF HOUSEHOLD MEMBERS, HOUSEHOLD QUESTIONNAIRE: Is the respondent the caretaker of the child selected for QUESTIONNAIRE FOR CHILDREN AGE 5-14 in this household?
    - Yes* ⇒ Go to MWM17 in MAN'S INFORMATION PANEL and record '01'. Then go to the QUESTIONNAIRE FOR CHILDREN AGE 5-14 for that child and start the interview with this respondent.
    - No* ⇒ Go to MWM17 in MAN'S INFORMATION PANEL and record '01'. Then end the interview with this respondent by thanking him for his cooperation. Check to see if there are other questionnaires to be administered in this household.
  - No* ⇒ Go to MWM17 in MAN'S INFORMATION PANEL and record '01'. Then end the interview with this respondent by thanking him for his cooperation. Check to see if there are other questionnaires to be administered in this household.

**INTERVIEWER'S OBSERVATIONS**

**SUPERVISOR'S OBSERVATIONS**

| <b>UNDER-FIVE CHILD INFORMATION PANEL</b>  |  | <b>UF</b>                            |
|--|--|--------------------------------------|
| <b>UF1. Cluster number:</b> _____  | <b>UF2. Household number:</b> _____  |                                      |
| <b>UF3. Child's name and line number:</b><br><br>NAME _____                        | <b>UF4. Mother's / Caretaker's name and line number:</b><br><br>NAME _____ |                                      |
| <b>UF5. Interviewer's name and number:</b><br><br>NAME _____                       | <b>UF6. Supervisor's name and number:</b><br><br>NAME _____                |                                      |
| <b>UF7. Day / Month / Year of interview:</b><br><br>_____ / _____ / <u>2 5 6 5</u> | <b>UF8. Record the time:</b>   | HOURS : MINUTES<br><br>_____ : _____ |

*Check respondent's age in HL6 in LIST OF HOUSEHOLD MEMBERS, HOUSEHOLD QUESTIONNAIRE: If age 15-17, verify that adult consent for interview is obtained (HH33 or HH39) or not necessary (HL20=90). If consent is needed and not obtained, the interview must not commence and '06' should be recorded in UF17. The respondent must be at least 15 years old.*

|  |  |          |
|--|--|----------|
| <b>UF9. Check completed questionnaires in this household: Have you or another member of your team interviewed this respondent for another questionnaire?</b>   | YES, INTERVIEWED<br>ALREADY ..... 1  | 1 ⇒UF10B |
|  | NO, FIRST INTERVIEW ..... 2  | 2 ⇒UF10A |
| <b>UF10A.</b> Hello, my name is ( <i>your name</i> ). We are from National Statistical Office. We are conducting a survey about the situation of children, families and households. I would like to talk to you about ( <i>child's name from UF3</i> )'s health and well-being. This interview will take about 20 minutes. All the information we obtain will remain strictly confidential and anonymous. If you wish not to answer a question or wish to stop the interview, please let me know. May I start now? | <b>UF10B.</b> Now I would like to talk to you about ( <i>child's name from UF3</i> )'s health and well-being in more detail. This interview will take about 20 minutes. Again, all the information we obtain will remain strictly confidential and anonymous. If you wish not to answer a question or wish to stop the interview, please let me know. May I start now? |          |
| YES ..... 1  | 1 ⇒UNDER FIVE'S BACKGROUND Module  |          |
| NO / NOT ASKED ..... 2   | 2 ⇒UF17  |          |

|  |  |
|--|--|
| <b>UF17. Result of interview for children under 5</b><br><br><i>Codes refer to mother/caretaker.<br/>Discuss any result not completed with Supervisor.</i> | COMPLETED ..... 01<br>NOT AT HOME ..... 02<br>REFUSED ..... 03<br>PARTLY COMPLETED ..... 04<br>INCAPACITATED<br>(specify) _____ 05<br><br>NO ADULT CONSENT FOR MOTHER/<br>CARETAKER AGE 15-17 ..... 06<br><br>OTHER (specify) _____ 96 |
|--|--|

| UNDER-FIVE'S BACKGROUND   |   | UB                           |
|---|---|------------------------------|
| <p><b>UB0.</b> Before I begin the interview, could you please bring (<i>name</i>)'s Birth Certificate, Maternal and Child Health Handbook, and any immunisation record from a private health provider? We will need to refer to those documents.</p>  |   |                              |
| <p><b>UB1.</b> On what day, month and year was (<i>name</i>) born?</p> <p><i>Probe:</i><br/>What is (his/her) birthday?</p> <p><i>If the mother/caretaker knows the exact date of birth, also record the day; otherwise, record '98' for day.</i></p> <p><i>Month and year <u>must</u> be recorded.</i></p>   | <p>DATE OF BIRTH</p> <p>DAY .....__ __</p> <p>DK DAY .....98</p> <p>MONTH.....__ __</p> <p>YEAR ..... <u>2</u> <u>5</u> <u>6</u> __</p> |                              |
| <p><b>UB2.</b> How old is (<i>name</i>)?</p> <p><i>Probe:</i><br/>How old was (<i>name</i>) at (his/her) last birthday?</p> <p><i>Record age in completed years.</i></p> <p><i>Record '0' if less than 1 year.</i></p> <p><i>If responses to UB1 and UB2 are inconsistent, probe further and correct.</i></p> | <p>AGE (IN COMPLETED YEARS) .....__</p>   |                              |
| <p><b>UB3.</b> Check UB2: Child's age?</p>  | <p>AGE 0, 1, OR 2.....1</p> <p>AGE 3 OR 4 .....2</p>  | <p>1 ⇔UB9</p>                |
| <p><b>UB4.</b> Check the respondent's line number (UF4) in UNDER-FIVE CHILD INFORMATION PANEL and the respondent to the HOUSEHOLD QUESTIONNAIRE (HH47): Is this respondent also the respondent to the Household Questionnaire?</p>  | <p>YES, RESPONDENT IS THE SAME,<br/>UF4=HH47 .....1</p> <p>NO, RESPONDENT IS NOT THE SAME,<br/>UF4≠HH47 .....2</p>                      | <p>2 ⇔UB6</p>                |
| <p><b>UB5.</b> Check ED10 in the EDUCATION MODULE in the HOUSEHOLD QUESTIONNAIRE: Is the child attending ECE in the current school year?</p>  | <p>YES, ED10=00 .....1</p> <p>NO, ED10≠00 OR BLANK.....2</p>  | <p>1 ⇔UB8B</p> <p>2 ⇔UB9</p> |
| <p><b>UB6.</b> Has (<i>name</i>) ever attended any early childhood education programme, such as Children's Development Centre, early childhood skills and development promotion school, public and private nursery school, etc.?</p>  | <p>YES.....1</p> <p>NO .....2</p>   | <p>2 ⇔UB9</p>                |
| <p><b>UB7.</b> At any time since May 2565, did (he/she) attend (programmes mentioned in UB6)?</p>   | <p>YES.....1</p> <p>NO .....2</p>   | <p>1 ⇔UB8A</p> <p>2 ⇔UB9</p> |
| <p><b>UB8A.</b> Does (he/she) currently attend (programmes mentioned in UB6)?</p>   | <p>YES.....1</p> <p>NO .....2</p>   |                              |
| <p><b>UB8B.</b> You have mentioned that (<i>name</i>) has attended an early childhood education programme this school year. Does (he/she) currently attend this programme?</p>  | <p>YES.....1</p> <p>NO .....2</p>   |                              |

|   |  |                        |
|---|--|------------------------|
| <b>UB9.</b> Is ( <i>name</i> ) covered by any health insurance?   | YES ..... 1<br>NO ..... 2  | 2 ⇒ <i>Next module</i> |
| <b>UB10.</b> What type of health insurance is ( <i>name</i> ) covered by?<br><br><i>Record all mentioned.</i> | HEALTH INSURANCE THROUGH<br>EMPLOYER..... B<br>PRIVATE HEALTH INSURANCE..... D<br>UNIVERSAL HEALTH-CARE COVERAGE<br>SCHEME ..... E<br>GOVERNMENT OFFICER..... F<br>LOCAL ADMINISTRATIVE<br>ORGANIZATION ..... G<br>STATE ENTERPRISES OR INDEPENDENT<br>AGENCIES..... H<br><br>OTHER ( <i>specify</i> ) _____ X |                        |



**BIRTH REGISTRATION****BR****BR1.** Does (*name*) have a birth certificate?*If yes, ask:*

May I see it?

YES, SEEN.....1

YES, NOT SEEN .....2

NO .....3

DK .....8

1 ⇨ *Next  
module***BR2.** Has (*name*)'s birth been registered with the civil authorities?

YES.....1

NO .....2

DK .....8

| EARLY CHILDHOOD DEVELOPMENT   |   | EC                        |
|---|---|---------------------------|
| <p><b>EC1.</b> How many children's books or picture books do you have for (<i>name</i>)?</p>  | <p>NONE ..... 00</p> <p>NUMBER OF CHILDREN'S BOOKS ..... <u>0</u> ..</p> <p>TEN OR MORE BOOKS ..... 10</p>                                |                           |
| <p><b>EC2.</b> I am interested in learning about the things that (<i>name</i>) plays with when (he/she) is at home.</p> <p>Does (he/she) play with: <span style="float: right;">Y N DK</span></p> <p>[A] Homemade toys, such as dolls, cars, or other toys made at home?</p> <p>[B] Toys from a shop or manufactured toys?</p> <p>[C] Household objects, such as bowls or pots, or objects found outside, such as sticks, rocks, animal shells or leaves?</p>   | <p>HOMEMADE TOYS ..... 1 2 8</p> <p>TOYS FROM A SHOP ..... 1 2 8</p> <p>HOUSEHOLD OBJECTS OR OUTSIDE OBJECTS ..... 1 2 8</p>              |                           |
| <p><b>EC2D.</b> Does (<i>child's name</i>) play with electronic devices such as mobile phones, tablets, game consoles?</p>  | <p>YES..... 1</p> <p>NO ..... 2</p> <p>DON'T KNOW ..... 8</p>   | <p>2⇒EC3</p> <p>8⇒EC3</p> |
| <p><b>EC2E.</b> Normally, how many hours does (<i>child's name</i>) play with these electronic devices in a day?</p> <p><i>If less than one hour, record '00'.</i></p> <p><i>If 'Don't know', record '98'.</i></p>  | <p>NUMBER OF HOURS..... _ _</p> <p>DON'T KNOW ..... 98</p>  |                           |
| <p><b>EC3.</b> Sometimes adults taking care of children have to leave the house to go shopping, wash clothes, or for other reasons and have to leave young children.</p> <p>On how many days in the past week was (<i>name</i>):</p> <p>[A] Left alone for more than an hour?</p> <p>[B] Left in the care of another child, that is, someone less than 10 years old, for more than an hour?</p> <p><i>If 'None' record '0'. If 'Don't know' record '8'.</i></p> | <p>NUMBER OF DAYS LEFT ALONE FOR MORE THAN AN HOUR..... _</p> <p>NUMBER OF DAYS LEFT WITH ANOTHER CHILD FOR MORE THAN AN HOUR ..... _</p> |                           |
| <p><b>EC4.</b> Check UB2: Child's age?</p>  | <p>AGE 0 OR 1 ..... 1</p> <p>AGE 2, 3 OR 4 ..... 2</p>  | <p>1⇒Next module</p>      |

| <p><b>EC5.</b> In the past 3 days, did you or any household member age 15 or over engage in any of the following activities with (<i>name</i>):</p> <p><i>If 'Yes', ask:</i><br/>Who engaged in this activity with (<i>name</i>)?</p> <p><i>A foster/step mother or father living in the household who engaged with the child should be coded as mother or father.</i></p> <p><i>Record all that apply.</i></p> <p><i>'No one' cannot be recorded if any household member age 15 and above engaged in activity with child.</i></p> <p>[A] Read books or looked at picture books with (<i>name</i>)?</p> <p>[B] Told stories to (<i>name</i>)?</p> <p>[C] Sang songs to or with (<i>name</i>), including lullabies?</p> <p>[D] Took (<i>name</i>) outside the home?</p> <p>[E] Played with (<i>name</i>)?</p> <p>[F] Named, counted, or drew things for or with (<i>name</i>)?</p> | <table border="1"> <thead> <tr> <th></th> <th>MOTHER</th> <th>FATHER</th> <th>OTHER</th> <th>NO ONE</th> </tr> </thead> <tbody> <tr> <td>READ BOOKS</td> <td>A</td> <td>B</td> <td>X</td> <td>Y</td> </tr> <tr> <td>TOLD STORIES</td> <td>A</td> <td>B</td> <td>X</td> <td>Y</td> </tr> <tr> <td>SANG SONGS</td> <td>A</td> <td>B</td> <td>X</td> <td>Y</td> </tr> <tr> <td>TOOK OUTSIDE</td> <td>A</td> <td>B</td> <td>X</td> <td>Y</td> </tr> <tr> <td>PLAYED WITH</td> <td>A</td> <td>B</td> <td>X</td> <td>Y</td> </tr> <tr> <td>NAMED</td> <td>A</td> <td>B</td> <td>X</td> <td>Y</td> </tr> </tbody> </table> |        | MOTHER | FATHER | OTHER | NO ONE | READ BOOKS | A | B | X | Y | TOLD STORIES | A | B | X | Y | SANG SONGS | A | B | X | Y | TOOK OUTSIDE | A | B | X | Y | PLAYED WITH | A | B | X | Y | NAMED | A | B | X | Y |  |
|---|---|--------|--------|--------|-------|--------|------------|---|---|---|---|--------------|---|---|---|---|------------|---|---|---|---|--------------|---|---|---|---|-------------|---|---|---|---|-------|---|---|---|---|--|
|   | MOTHER  | FATHER | OTHER  | NO ONE |       |        |            |   |   |   |   |              |   |   |   |   |            |   |   |   |   |              |   |   |   |   |             |   |   |   |   |       |   |   |   |   |  |
| READ BOOKS  | A   | B      | X      | Y      |       |        |            |   |   |   |   |              |   |   |   |   |            |   |   |   |   |              |   |   |   |   |             |   |   |   |   |       |   |   |   |   |  |
| TOLD STORIES  | A   | B      | X      | Y      |       |        |            |   |   |   |   |              |   |   |   |   |            |   |   |   |   |              |   |   |   |   |             |   |   |   |   |       |   |   |   |   |  |
| SANG SONGS  | A   | B      | X      | Y      |       |        |            |   |   |   |   |              |   |   |   |   |            |   |   |   |   |              |   |   |   |   |             |   |   |   |   |       |   |   |   |   |  |
| TOOK OUTSIDE  | A   | B      | X      | Y      |       |        |            |   |   |   |   |              |   |   |   |   |            |   |   |   |   |              |   |   |   |   |             |   |   |   |   |       |   |   |   |   |  |
| PLAYED WITH   | A   | B      | X      | Y      |       |        |            |   |   |   |   |              |   |   |   |   |            |   |   |   |   |              |   |   |   |   |             |   |   |   |   |       |   |   |   |   |  |
| NAMED   | A   | B      | X      | Y      |       |        |            |   |   |   |   |              |   |   |   |   |            |   |   |   |   |              |   |   |   |   |             |   |   |   |   |       |   |   |   |   |  |
| <p><b>EC21.</b> I would like to ask you about certain things (<i>name</i>) is currently able to do. Please keep in mind that children can develop and learn at a different pace. For example, some start talking earlier than others, or they might already say some words but not yet form sentences. So, it is fine if your child is not able to do all the things I am going to ask about. You can let me know if you have any doubts about what answer to give.</p> <p>Can (<i>name</i>) walk on an uneven surface, for example a bumpy or steep road, without falling?</p>   | <p>YES..... 1</p> <p>NO ..... 2</p> <p>DK ..... 8</p>   |        |        |        |       |        |            |   |   |   |   |              |   |   |   |   |            |   |   |   |   |              |   |   |   |   |             |   |   |   |   |       |   |   |   |   |  |
| <p><b>EC22.</b> Can (<i>name</i>) jump up with both feet leaving the ground?</p>  | <p>YES..... 1</p> <p>NO ..... 2</p> <p>DK ..... 8</p>   |        |        |        |       |        |            |   |   |   |   |              |   |   |   |   |            |   |   |   |   |              |   |   |   |   |             |   |   |   |   |       |   |   |   |   |  |
| <p><b>EC23.</b> Can (<i>name</i>) dress (<i>him/herself</i>), that is, put on pants and a shirt without help?</p>   | <p>YES..... 1</p> <p>NO ..... 2</p> <p>DK ..... 8</p>   |        |        |        |       |        |            |   |   |   |   |              |   |   |   |   |            |   |   |   |   |              |   |   |   |   |             |   |   |   |   |       |   |   |   |   |  |
| <p><b>EC24.</b> Can (<i>name</i>) fasten and unfasten buttons without help?</p>   | <p>YES..... 1</p> <p>NO ..... 2</p> <p>DK ..... 8</p>   |        |        |        |       |        |            |   |   |   |   |              |   |   |   |   |            |   |   |   |   |              |   |   |   |   |             |   |   |   |   |       |   |   |   |   |  |

|   |   |                           |
|---|---|---------------------------|
| <p><b>EC25.</b> Can (<i>name</i>) say 10 or more words like “mama”, “rice” or “water”?</p>  | <p>YES..... 1<br/> NO ..... 2<br/> <br/> DK ..... 8</p> |                           |
| <p><b>EC26.</b> Can (<i>name</i>) speak using sentences of 3 or more words that go together, for example “I want water” or “The house is big”?</p>  | <p>YES..... 1<br/> NO ..... 2<br/> <br/> DK ..... 8</p> | <p>2⇒EC28<br/> 8⇒EC28</p> |
| <p><b>EC27.</b> Can (<i>name</i>) speak using sentences of 5 or more words that go together, for example “The house is very big”?</p>   | <p>YES..... 1<br/> NO ..... 2<br/> <br/> DK ..... 8</p> |                           |
| <p><b>EC28.</b> Can (<i>name</i>) correctly use any of the words “I,” “you,” “she,” or “he,” for example “I want water,” or “He eats rice”?</p>   | <p>YES..... 1<br/> NO ..... 2<br/> <br/> DK ..... 8</p> |                           |
| <p><b>EC29.</b> If you show (<i>name</i>) an object (<i>he/she</i>) knows well, such as a cup, bowl or animal, can (<i>he/she</i>) consistently name it?</p> <p><i>Probe:</i> By consistently I mean that (<i>he/she</i>) uses the same word to refer to the same object, even if the word used is not fully correct.</p> | <p>YES..... 1<br/> NO ..... 2<br/> <br/> DK ..... 8</p> |                           |
| <p><b>EC30.</b> Can (<i>name</i>) recognise at least 5 letters of the alphabet?</p>   | <p>YES..... 1<br/> NO ..... 2<br/> <br/> DK ..... 8</p> |                           |
| <p><b>EC31.</b> Can (<i>name</i>) write (<i>his/her</i>) own name?</p>  | <p>YES..... 1<br/> NO ..... 2<br/> <br/> DK ..... 8</p> |                           |
| <p><b>EC32.</b> Does (<i>name</i>) recognise all numbers from 1 to 5?</p>   | <p>YES..... 1<br/> NO ..... 2<br/> <br/> DK ..... 8</p> |                           |
| <p><b>EC33.</b> If you ask (<i>name</i>) to give you 3 objects, such as 3 stones, 3 beans or 3 candies, does (<i>he/she</i>) give you the correct amount?</p>   | <p>YES..... 1<br/> NO ..... 2<br/> <br/> DK ..... 8</p> |                           |
| <p><b>EC34.</b> Can (<i>name</i>) count 10 objects, for example 10 fingers or 10 blocks, without mistakes?</p>  | <p>YES..... 1<br/> NO ..... 2<br/> <br/> DK ..... 8</p> |                           |
| <p><b>EC35.</b> Can (<i>name</i>) do an activity, such as colouring or playing with building blocks, without repeatedly asking for help or giving up too quickly?</p>   | <p>YES..... 1<br/> NO ..... 2<br/> <br/> DK ..... 8</p> |                           |

|  |  |  |
|--|--|--|
| <p><b>EC36.</b> Does (<i>name</i>) ask about familiar people other than parents when they are not there, for example “Where is Grandma?”?</p>  | <p>YES..... 1<br/> NO ..... 2<br/> DK ..... 8</p>  |  |
| <p><b>EC37.</b> Does (<i>name</i>) offer to help someone who seems to need help?</p>   | <p>YES..... 1<br/> NO ..... 2<br/> DK ..... 8</p>  |  |
| <p><b>EC38.</b> Does (<i>name</i>) get along well with other children?</p>   | <p>YES..... 1<br/> NO ..... 2<br/> DK ..... 8</p>  |  |
| <p><b>EC39.</b> The next two questions have five different options for answers. I am going to read these to you after each question.</p> <p>How often does (<i>name</i>) seem to be very sad or depressed?</p> <p>Would you say: daily, weekly, monthly, a few times a year, or never?</p> | <p>DAILY..... 1<br/> WEEKLY ..... 2<br/> MONTHLY ..... 3<br/> A FEW TIMES A YEAR ..... 4<br/> NEVER..... 5<br/> DK ..... 8</p> |  |
| <p><b>EC40.</b> Compared with children of the same age, how much does (<i>name</i>) kick, bite, or hit other children or adults?</p> <p>Would you say: not at all, less, the same, more, or a lot more?</p>  | <p>NOT AT ALL..... 1<br/> LESS..... 2<br/> THE SAME ..... 3<br/> MORE..... 4<br/> A LOT MORE ..... 5<br/> DK ..... 8</p>       |  |

| CHILD DISCIPLINE  |  | UCD             |
|---|--|-----------------|
| <b>UCD1.</b> Check UB2: Child's age?  | AGE 0 ..... 1<br>AGE 1, 2, 3 OR 4 ..... 2                      | 1 ⇒ Next module |
| <b>UCD2.</b> Adults use certain ways to teach children the right behavior or to address a behavior problem. I will read various methods that are used. Please tell me if <u>you or any other adult in your household</u> has used this method with ( <i>name</i> ) <u>in the past month</u> . |  |                 |
|   | YES NO   |                 |
| [A] Took away privileges, forbade something ( <i>name</i> ) liked or did not allow (him/her) to leave the house.  | TOOK AWAY PRIVILEGES ..... 1 2                                 |                 |
| [B] Explained why ( <i>name</i> )'s behavior was wrong.   | EXPLAINED WRONG BEHAVIOR ..... 1 2                             |                 |
| [C] Shook (him/her).  | SHOOK HIM/HER ..... 1 2  |                 |
| [D] Shouted, yelled at or screamed at (him/her).  | SHOUTED, YELLED, SCREAMED ..... 1 2                            |                 |
| [E] Gave (him/her) something else to do.  | GAVE SOMETHING ELSE TO DO ..... 1 2                            |                 |
| [F] Spanked, hit or slapped (him/her) on the bottom with bare hand.   | SPANKED, HIT, SLAPPED ON BOTTOM WITH BARE HAND ..... 1 2       |                 |
| [G] Hit (him/her) on the bottom or elsewhere on the body with something like a belt, hairbrush, stick or other hard object.   | HIT WITH BELT, HAIRBRUSH, STICK OR OTHER HARD OBJECT ..... 1 2 |                 |
| [H] Called (him/her) dumb, lazy or another name like that.  | CALLED DUMB, LAZY OR ANOTHER NAME ..... 1 2                    |                 |
| [I] Hit or slapped (him/her) on the face, head or ears.   | HIT / SLAPPED ON THE FACE, HEAD OR EARS ..... 1 2              |                 |
| [J] Hit or slapped (him/her) on the hand, arm, or leg.  | HIT / SLAPPED ON HAND, ARM OR LEG ..... 1 2                    |                 |
| [K] Beat (him/her) up, that is hit (him/her) over and over as hard as one could.  | BEAT UP, HIT OVER AND OVER AS HARD AS ONE COULD ..... 1 2      |                 |
| <b>UCD3.</b> Check UF4: Is this respondent the mother or caretaker of any other children under age 5 or a child age 5-14 selected for the questionnaire for children age 5-17?  | YES ..... 1<br>NO ..... 2                                      | 2 ⇒ UCD5        |
| <b>UCD4.</b> Check UF4: Has this respondent already responded to the following question (UCD5 or FCD5) for another child?   | YES ..... 1<br>NO ..... 2                                      | 1 ⇒ Next module |
| <b>UCD5.</b> Do you believe that in order to bring up, raise, or educate a child properly, the child needs to be physically punished?   | YES ..... 1<br>NO ..... 2<br>DK / NO OPINION ..... 8           |                 |

| BREASTFEEDING AND DIETARY INTAKE  |  | BD                   |
|---|--|----------------------|
| <b>BD1.</b> Check UB2: Child's age?   | AGE 0, 1, OR 2.....1<br>AGE 3 OR 4.....2 | 2 ⇒ Next module      |
| <b>BD2.</b> Has ( <i>name</i> ) ever been breastfed?  | YES.....1<br>NO .....2<br>DK .....8      | 2 ⇒ BD3A<br>8 ⇒ BD3A |
| <b>BD3.</b> Is ( <i>name</i> ) still being breastfed?   | YES.....1<br>NO .....2<br>DK .....8      |                      |
| <b>BD3A.</b> Check UB2: Child's age?  | AGE 0 OR 1.....1<br>AGE 2 .....2         | 2 ⇒ Next module      |
| <b>BD4.</b> Yesterday, during the day or night, did ( <i>name</i> ) <u>drink anything from a bottle with a nipple?</u>                  | YES.....1<br>NO .....2<br>DK .....8      |                      |
| <b>BD5.</b> Did ( <i>name</i> ) <u>drink Oral Rehydration Salt solution (ORS)</u> yesterday, during the day or night?                   | YES.....1<br>NO .....2<br>DK .....8      |                      |
| <b>BD6.</b> Did ( <i>name</i> ) <u>drink or eat vitamin or mineral supplements or any medicines</u> yesterday, during the day or night? | YES.....1<br>NO .....2<br>DK .....8      |                      |

|  |   |   |
|--|---|---|
| <p><b>BD7.</b> Now I would like to ask you about all other liquids that (<i>name</i>) may have had yesterday during the day or the night.</p> <p>Please include liquids consumed outside of your home.</p> <p>Did (<i>name</i>) drink (<i>name of item</i>) yesterday during the day or the night:</p> |   |   |
| <p>[A] Plain water?</p>  | <p>PLAIN WATER</p>                                    | <p>YES      NO      DK</p> <p>1      2      8</p>                               |
| <p>[B] Juice or juice drinks?</p>  | <p>JUICE OR JUICE DRINKS</p>                          | <p>1      2      8</p>  |
| <p>[C] Clear broth, clear soup?</p>  | <p>CLEAR BROTH, CLEAR SOUP</p>                        | <p>1      2      8</p>  |
| <p>[D] Infant formula such as Enfalac, Dumex, Hi-Q, S-26, etc.?</p>  | <p>INFANT FORMULA</p>                                 | <p>1      2 <sup>⚡</sup>      8 <sup>⚡</sup></p> <p><i>BD7[E]    BD7[E]</i></p> |
| <p>[D1] How many times did (<i>name</i>) drink infant formula?</p> <p><i>If 7 or more times, record '7'.</i></p> <p><i>If DK, record '8'.</i></p>  | <p>NUMBER OF TIMES DRANK<br/>INFANT FORMULA .....</p> |   |
| <p>[E] Milk from animals, such as fresh, tinned, or powdered milk?</p>   | <p>MILK</p>   | <p>1      2 <sup>⚡</sup>      8 <sup>⚡</sup></p> <p><i>BD7[F]    BD7[F]</i></p> |
| <p>[E1] How many times did (<i>name</i>) drink milk?</p> <p><i>If 7 or more times, record '7'.</i></p> <p><i>If unknown, record '8'.</i></p>   | <p>NUMBER OF TIMES DRANK<br/>MILK .....</p>           |   |
| <p>[F] Sugary drinks, such as carbonated soft drinks, sweetened drinks, sweetened soy milk, tea and coffee?</p>  | <p>SUGARY DRINKS</p>                                  | <p>1      2      8</p>  |
| <p>[X] Any other liquids?</p>  | <p>OTHER LIQUIDS</p>                                  | <p>1      2 <sup>⚡</sup>      8 <sup>⚡</sup></p> <p><i>BD8      BD8</i></p>     |
| <p>[X1] <i>Record all other liquids mentioned.</i></p>   | <p>(Specify) _____</p>                                |   |



|  |   |     |           |           |
|--|---|-----|-----------|-----------|
| <p><b>BD8.</b> Now I would like to ask you about <u>everything</u> that (<i>name</i>) ate yesterday during the day or the night. Please include foods consumed outside of your home.</p> <p>- Think about when (<i>name</i>) woke up yesterday. Did (he/she) eat anything at that time?<br/> <i>If 'Yes' ask: Please tell me everything (name) ate at that time. Probe: Anything else?</i><br/> <i>Record answers using the food groups below.</i></p> <p>- What did (<i>name</i>) do after that? Did (he/she) eat anything at that time?<br/> <i>Repeat this string of questions, recording in the food groups, until the respondent tells you that the child went to sleep until the next morning.</i></p> |   |     |           |           |
| <p><i>For each food group not mentioned after completing the above ask:</i><br/> Just to make sure, did (<i>name</i>) eat (<b>food group items</b>) yesterday during the day or the night</p>  |   |     |           |           |
|  |   | YES | NO        | DK        |
| [A] Yogurt made from animal milk?<br><i>Note that liquid/drinking yogurt should be captured in BD7[E] or BD7[X], depending on milk content.</i>  | YOGURT  | 1   | 2 $\surd$ | 8 $\surd$ |
|  |   |     | BD8[B]    | BD8[B]    |
| [A1] How many times did ( <i>name</i> ) eat yogurt?<br><br><i>If 7 or more times, record '7'.<br/>If DK, record '8'.</i>   | NUMBER OF TIMES ATE<br>YOGURT .....           |     |           | _____     |
| [B] Any baby food, such as Cerelac, Nestle, PediaSure, etc.?   | FORTIFIED BABY FOOD                           | 1   | 2         | 8         |
| [C] Bread, rice, noodles, porridge, or other foods made from grains?   | FOODS MADE FROM<br>GRAINS                     | 1   | 2         | 8         |
| [D] Pumpkin, carrots, squash, or sweet potatoes that are yellow or orange inside?  | PUMPKIN, CARROTS,<br>SQUASH, ETC.             | 1   | 2         | 8         |
| [E] White potatoes, white yams, cassava, or any other foods made from roots?   | FOODS MADE FROM<br>ROOTS                      | 1   | 2         | 8         |
| [F] Any dark green, leafy vegetables, such as Chinese kale, water spinach, broccoli, spinach, ivy gourd  | DARK GREEN, LEAFY<br>VEGETABLES               | 1   | 2         | 8         |
| [G] Ripe mangoes, ripe papayas, cantaloupes, melons, or peach?   | RIPE MANGO, RIPE<br>PAPAYA                    | 1   | 2         | 8         |
| [H] Any other fruits or vegetables, such as bananas, apples, guavas, rambutans, lychees, water chestnuts, cabbage, etc.?   | OTHER FRUITS OR<br>VEGETABLES                 | 1   | 2         | 8         |
| [I] Liver, kidney, heart or other organ meats?   | ORGAN MEATS                                   | 1   | 2         | 8         |
| [J] Any other meat, such as beef, pork, lamb, goat, chicken, duck or sausages made from these meats?   | OTHER MEATS                                   | 1   | 2         | 8         |
| [K] Eggs?  | EGGS  | 1   | 2         | 8         |
| [L] Fish or shellfish, either fresh or dried?  | FRESH OR DRIED FISH                           | 1   | 2         | 8         |
| [M] Beans, peas, lentils or nuts, including any foods made from these?   | FOODS MADE FROM<br>BEANS, PEAS, NUTS,<br>ETC. | 1   | 2         | 8         |
| [N] Cheese or other food made from animal milk?  | CHEESE OR OTHER FOOD<br>MADE FROM MILK        | 1   | 2         | 8         |

|   |   |   |                   |                   |  |
|---|---|---|-------------------|-------------------|--|
| [O] Crunchy snacks or semi-processed foods that are salty such as instant noodles?  | SALTY CRUNCHY SNACKS OR SEMI-PROCESSED FOODS    | 1 | 2                 | 8                 |  |
| [P] Sweets such as cakes, cookies, candy, Thai desserts?  | SWEETS  | 1 | 2                 | 8                 |  |
| [X] Other solid, semi-solid, or soft food?  | OTHER SOLID, SEMI-SOLID, OR SOFT FOOD           | 1 | 2 $\Delta$<br>BD9 | 8 $\Delta$<br>BD9 |  |
| [X1] Record all other solid, semi-solid, or soft food that do not fit food groups above.  | (Specify) _____                                 |   |                   |                   |  |
| <p><b>BD9.</b> How many times did (<i>name</i>) eat any solid, semi-solid or soft foods yesterday during the day or night?</p> <p><i>If BD8[A] is 'Yes', ensure that the response here includes the number of times recorded for yogurt in BD8[A1].</i></p> <p><i>If 7 or more times, record '7'.</i></p> | <p>NUMBER OF TIMES .....__</p> <p>DK .....8</p> |   |                   |                   |  |

| IMMUNISATION   |   | IM           |             |  |  |  |  |  |  |  |  |  |
|--|---|--------------|-------------|--|--|--|--|--|--|--|--|--|
| <b>IM2.</b> Do you have the Maternal and Child Health Handbook (the Pink Book), immunisation records from a private health provider or any other document where ( <i>name</i> )'s vaccinations are written down? | YES, HAS ONLY CARD(S) .....                               | 1            | 1 ⇒ IM5     |  |  |  |  |  |  |  |  |  |
|  | YES, HAS ONLY OTHER DOCUMENT .....                        | 2            |             |  |  |  |  |  |  |  |  |  |
|  | YES, HAS CARD(S) AND OTHER DOCUMENT .....                 | 3            | 3 ⇒ IM5     |  |  |  |  |  |  |  |  |  |
|  | NO, HAS NO CARDS AND NO OTHER DOCUMENT .....              | 4            |             |  |  |  |  |  |  |  |  |  |
| <b>IM3.</b> Did you ever have the Maternal and Child Health Handbook (the Pink Book) or immunisation records from a private health provider for ( <i>name</i> )?   | YES .....   | 1            |             |  |  |  |  |  |  |  |  |  |
|  | NO .....  | 2            |             |  |  |  |  |  |  |  |  |  |
| <b>IM4.</b> Check IM2:   | HAS ONLY OTHER DOCUMENT, IM2=2 .....                      | 1            |             |  |  |  |  |  |  |  |  |  |
|  | HAS NO CARDS AND NO OTHER DOCUMENT AVAILABLE, IM2=4 ..... | 2            | 2 ⇒ IM11    |  |  |  |  |  |  |  |  |  |
| <b>IM5.</b> May I see the Health Handbook (and/or) other document?   | YES, ONLY HEALTH HANDBOOK SEEN .....                      | 1            |             |  |  |  |  |  |  |  |  |  |
|  | YES, ONLY OTHER DOCUMENT SEEN .....                       | 2            |             |  |  |  |  |  |  |  |  |  |
|  | YES, HEALTH HANDBOOK AND OTHER DOCUMENT SEEN .....        | 3            |             |  |  |  |  |  |  |  |  |  |
|  | NO HEALTH HANDBOOK AND NO OTHER DOCUMENT SEEN .....       | 4            | 4 ⇒ IM11    |  |  |  |  |  |  |  |  |  |
| <b>IM6.</b><br>(a) Copy dates for each vaccination from the documents.<br>(b) Write '44' in day column if documents show that vaccination was given but no date recorded.  | <b>DATE OF IMMUNISATION</b>                               |              |             |  |  |  |  |  |  |  |  |  |
|  | <b>DAY</b>  | <b>MONTH</b> | <b>YEAR</b> |  |  |  |  |  |  |  |  |  |
| BCG  | BCG   |              |             |  |  |  |  |  |  |  |  |  |
| Hepatitis B (at birth)   | HepB0   |              |             |  |  |  |  |  |  |  |  |  |
| Polio (OPV) 1  | OPV1  |              |             |  |  |  |  |  |  |  |  |  |
| Polio (OPV) 2  | OPV2  |              |             |  |  |  |  |  |  |  |  |  |
| Polio (OPV) 3  | OPV3  |              |             |  |  |  |  |  |  |  |  |  |
| Polio (IPV)  | IPV   |              |             |  |  |  |  |  |  |  |  |  |
| Diphtheria, tetanus, whooping cough, hepatitis B 1   | DTPHB1  |              |             |  |  |  |  |  |  |  |  |  |
| Diphtheria, tetanus, whooping cough, hepatitis B 2   | DTPHB2  |              |             |  |  |  |  |  |  |  |  |  |
| Diphtheria, tetanus, whooping cough, hepatitis B 3   | DTPHB3  |              |             |  |  |  |  |  |  |  |  |  |
| Measles, mumps, rubella 1  | MMR1  |              |             |  |  |  |  |  |  |  |  |  |
| Measles, mumps, rubella 2  | MMR2  |              |             |  |  |  |  |  |  |  |  |  |
| Encephalitis 1   | JE1   |              |             |  |  |  |  |  |  |  |  |  |
| Encephalitis 2   | JE2   |              |             |  |  |  |  |  |  |  |  |  |
| Polio (OPV) 4  | OPV4  |              |             |  |  |  |  |  |  |  |  |  |
| Polio (OPV) 5  | OPV5  |              |             |  |  |  |  |  |  |  |  |  |

|  |                                    |   |  |  |  |  |  |  |                |
|--|------------------------------------|---|--|--|--|--|--|--|----------------|
| Diphtheria, tetanus, whooping cough 4    DTP4  |                                    |   |  |  |  |  |  |  |                |
| Diphtheria, tetanus, whooping cough 5    DTP5  |                                    |   |  |  |  |  |  |  |                |
| <b>IM7.</b> Check IM6: Are all vaccines (BCG to Encephalitis) recorded?  | YES .....                          | 1 |  |  |  |  |  |  | 1 ⇒Next module |
|  | NO .....                           | 2 |  |  |  |  |  |  |                |
| <b>IM9.</b> In addition to what is recorded on the document(s) you have shown me, did ( <i>name</i> ) receive any other vaccinations?  | YES .....                          | 1 |  |  |  |  |  |  | 2 ⇒Next module |
|  | No.....                            | 2 |  |  |  |  |  |  | 8 ⇒Next module |
|  | DK.....                            | 8 |  |  |  |  |  |  |                |
| <b>IM10.</b> Go back to IM6 and probe for these vaccinations.<br><br><i>Record '66' in the corresponding day column for each vaccine received. For each vaccination <u>not</u> received record '00' in day column.<br/><br/>When <u>finished</u>, go to End of module.</i> |                                    |   |  |  |  |  |  |  | ⇒Next module   |
| <b>IM11.</b> Has ( <i>name</i> ) ever received any vaccinations to prevent (him/her) from getting diseases?  | YES .....                          | 1 |  |  |  |  |  |  | 2 ⇒Next module |
|  | NO.....                            | 2 |  |  |  |  |  |  | 8 ⇒Next module |
|  | DK.....                            | 8 |  |  |  |  |  |  |                |
| <b>IM14.</b> Has ( <i>name</i> ) ever received a BCG vaccination against tuberculosis – that is, an injection in the arm or shoulder that usually causes a scar?   | YES .....                          | 1 |  |  |  |  |  |  |                |
|  | NO.....                            | 2 |  |  |  |  |  |  |                |
|  | DK.....                            | 8 |  |  |  |  |  |  |                |
| <b>IM15.</b> Did ( <i>name</i> ) receive a Hepatitis B vaccination – that is an injection on the outside of the thigh to prevent Hepatitis B disease – within the first 24 hours after birth?  | YES, WITHIN 24 HOURS .....         | 1 |  |  |  |  |  |  | 3 ⇒IM16        |
|  | YES, BUT NOT WITHIN 24 HOURS ..... | 2 |  |  |  |  |  |  | 8 ⇒IM16        |
|  | NO.....                            | 3 |  |  |  |  |  |  |                |
|  | DK.....                            | 8 |  |  |  |  |  |  |                |
| <b>IM15A.</b> How many times was the Hepatitis B received?   | NUMBER OF TIMES.....               | — |  |  |  |  |  |  |                |
|  | DK.....                            | 8 |  |  |  |  |  |  |                |
| <b>IM16.</b> Has ( <i>name</i> ) ever received any vaccination drops in the mouth to protect (him/her) from polio?<br><br><i>Probe by indicating that the first drop is usually given at birth and later at the same time as injections to prevent other diseases.</i>     | YES .....                          | 1 |  |  |  |  |  |  | 2 ⇒IM26        |
|  | NO.....                            | 2 |  |  |  |  |  |  | 8 ⇒IM26        |
|  | DK.....                            | 8 |  |  |  |  |  |  |                |
| <b>IM18.</b> How many times were the polio drops received?   | NUMBER OF TIMES.....               | — |  |  |  |  |  |  |                |
|  | DK.....                            | 8 |  |  |  |  |  |  |                |
| <b>IM19.</b> The last time ( <i>name</i> ) received the polio drops, did (he/she) also get an injection to protect against polio?<br><br><i>Probe to ensure that both were given, drops and injection.</i>   | YES .....                          | 1 |  |  |  |  |  |  |                |
|  | NO.....                            | 2 |  |  |  |  |  |  |                |
|  | DK.....                            | 8 |  |  |  |  |  |  |                |

|   |   |                  |
|---|---|------------------|
| <b>IM26.</b> Has ( <i>name</i> ) ever received a MMR vaccine – that is, a shot in the arm at the age of 9 months or older - to prevent (him/her) from getting measles, mumps and rubella?   | YES ..... 1<br>NO ..... 2<br>DK ..... 8 | 2⇒IM29<br>8⇒IM29 |
| <b>IM26A</b> How many times did ( <i>child's name</i> ) receive the MMR vaccine?  | NUMBER OF TIMES..... _<br>DK ..... 8    |                  |
| <b>IM29.</b> Has ( <i>child's name</i> ) ever received a DTP vaccine, to prevent diphtheria, tetanus, whooping cough, shot in the thigh, hip or upper arm?<br><br><i>Probe by indicating that sometimes it is shot at the same time as the polio vaccine.</i> | YES ..... 1<br>NO ..... 2<br>DK ..... 8 | 2⇒IM31<br>8⇒IM31 |
| <b>IM30.</b> How many times did ( <i>child's name</i> ) receive the DTP vaccine?  | NUMBER OF TIMES..... _<br>DK ..... 8    |                  |
| <b>IM31.</b> Has ( <i>child's name</i> ) ever received an encephalitis JE vaccine shot in the thigh, hip or upper arm?  | YES ..... 1<br>NO ..... 2<br>DK ..... 8 | 2⇒UF11<br>8⇒UF11 |
| <b>IM32.</b> How many times did ( <i>child's name</i> ) receive the JE vaccine?   | NUMBER OF TIMES..... _<br>DK ..... 8    |                  |

|  |   |  |
|--|---|--|
| <b>UF11.</b> <i>Record the time.</i>   | HOURS AND MINUTES ..... _ _ : _ _   |  |
| <b>UF12.</b> <i>Language of the Questionnaire.</i>                             | THAI ..... 1<br>ENGLISH ..... 2   |  |
| <b>UF13.</b> <i>Language of the Interview.</i>                                 | THAI ..... 1<br>ENGLISH ..... 2<br><br>OTHER LANGUAGE<br>(specify) ..... 6  |  |
| <b>UF14.</b> <i>Native language of the Respondent.</i>                         | THAI ..... 01<br>ENGLISH ..... 02<br>CHINESE ..... 03<br>BURMESE ..... 04<br>KHMER / KUY ..... 05<br>MALAY / JAWI ..... 06<br>LAO ..... 07<br>KAREN ..... 08<br>HMONG ..... 09<br>LAHU ..... 10<br>MON ..... 11<br>LAWA ..... 12<br>AKHA ..... 13<br>NYEU ..... 14<br>SHAN ..... 15<br><br>OTHER LANGUAGE<br>(specify) ..... 96 |  |
| <b>UF15.</b> <i>Was a translator used for any parts of this questionnaire?</i> | YES, THE ENTIRE QUESTIONNAIRE ..... 1<br>YES, PARTS OF THE QUESTIONNAIRE ..... 2<br>NO, NOT USED ..... 3  |  |

| MICS PLUS CONSENT  |                        |   |   |   |  |
|--|------------------------|---|---|---|--|
| UF20. Check HH60.: Was consent for MICS Plus previously asked from this respondent?  |                        |   | YES, CONSENT ALREADY ASKED .....1<br>NO, NOT ASKED .....2               |   | 1 ⇒UF28  |
| UF21. Was consent for MICS Plus previously asked from this respondent in any other questionnaire (WM, MN or FS)?   |                        |   | YES, CONSENT ALREADY ASKED .....1<br>NO, NOT ASKED .....2               |   | 1 ⇒UF28  |
| UF22. We may call you back to talk about you and your family in the coming months. This call will take about 10-15 minutes. Again, all the information you provide will be confidential and anonymous.<br><br>Would you like to participate? |                        |   | YES .....1<br>NO.....2<br><br>OTHER (specify) _____ 6                   |   | 2 ⇒UF28<br><br>6 ⇒UF28   |
| UF23. Please give me all phone numbers at which we can easily get in touch with you, starting with your preferred number. If 'No', Ask: Can we reach you through somebody else's phone number?   |                        |   | YES .....1<br>NO PHONE .....2   |   | 2 ⇒UF28  |
| UF24<br>Order  | UF25. Telephone number | UF25A. Is this landline or mobile<br><br>1. LANDLINE<br>2. MOBILE | UF25B. Who does this phone belong to?<br><i>Record the line number#</i> | UF26. Is there any preferred or more convenient time of the day we could call you on this number?<br><br>A. MORNINGS      B. AFTERNOON<br>C. EVENINGS      D. WEEKENDS<br>E. ANYTIME      X. OTHER (specify_____) | UF27. Do you have another phone number?<br><br>1. YES<br>2. NO |
| 1  |                        | 1    2  | ___ ___   | A   B   C   D   E   X   | 1 ☺                  2 ☺<br>Next Line                  UF28    |
| 2  |                        | 1    2  | ___ ___   | A   B   C   D   E   X   | 1 ☺                  2 ☺<br>Next Line                  UF28    |
| 3  |                        | 1    2  | ___ ___   | A   B   C   D   E   X   |  |
| OTHER CODES FOR UF25B: 40-Home phone; 50-Neighbour; 51-Friend; 60-Workplace/office; 90-Don't want to disclose.   |                        |   |   |   |  |

**UF28.** *Tell the respondent that you will need to measure the weight and height of the child before you leave the household and a colleague will come to lead the measurement. Issue the ANTHROPOMETRY MODULE FORM for this child and complete the Information Panel on that Form.*

*Check columns HL10 and HL20 in LIST OF HOUSEHOLD MEMBERS, HOUSEHOLD QUESTIONNAIRE: Is the respondent the mother or caretaker of another child age 0-4 living in this household?*

- Yes ⇒ Go to UF17 on the UNDER-FIVE INFORMATION PANEL and record '01'. Then go to the next QUESTIONNAIRE FOR CHILDREN UNDER FIVE to be administered to the same respondent.*
- No ⇒ Check HL6 and column HL20 in LIST OF HOUSEHOLD MEMBERS, HOUSEHOLD QUESTIONNAIRE: Is the respondent the mother or caretaker of a child age 5-14 selected for Questionnaire for Children Age 5-14 in this household?*
  - Yes ⇒ Go to UF17 on the UNDER-FIVE INFORMATION PANEL and record '01'. Then go to the QUESTIONNAIRE FOR CHILDREN AGE 5-14 to be administered to the same respondent.*
  - No ⇒ Go to UF17 on the UNDER-FIVE INFORMATION PANEL and record '01'. Then end the interview with this respondent by thanking her/him for her/his cooperation. Check to see if there are other questionnaires to be administered in this household.*



**INTERVIEWER'S OBSERVATIONS**

**SUPERVISOR'S OBSERVATIONS**

| ANTHROPOMETRY MODULE INFORMATION PANEL                          |  | AN |
|---|--|----|
| AN1. Cluster number: _____                                      | AN2. Household number: _____                                 |    |
| AN3. Child's name and line number:<br>NAME _____                | AN4. Child's age from UB2:<br>AGE (IN COMPLETED YEARS) ..... |    |
| AN5. Mother's / Caretaker's name and line number:<br>NAME _____ | AN6. Interviewer's name and number:<br>NAME _____            |    |

| ANTHROPOMETRY  |  |  |
|--|--|--|
| AN7. Measurer's name and number:   | NAME _____   |  |
| AN8. Record the result of weight measurement as read out by the Measurer:<br><br><i>Read the record back to the Measurer and also ensure that he/she verifies your record.</i>   | KILOGRAMS (KG)..... _____ . _____<br><br>CHILD NOT PRESENT AFTER REVISITS .... 99.3<br>CHILD REFUSED ..... 99.4<br>RESPONDENT REFUSED ..... 99.5<br><br>OTHER (specify) _____ 99.6 | 99.3 ⇔ AN13<br>99.4 ⇔ AN10<br>99.5 ⇔ AN10<br><br>99.6 ⇔ AN10 |
| AN9. Was the child undressed to the minimum?   | YES ..... 1<br>NO, THE CHILD COULD NOT BE<br>UNDRESSED TO THE MINIMUM ..... 2  |  |
| AN10. Check AN4: Child's age?  | AGE 0 OR 1 ..... 1<br>AGE 2, 3 OR 4 ..... 2  | 1 ⇔ AN11A<br>2 ⇔ AN11B                                       |
| AN11A. The child is less than 2 years old and should be measured lying down. Record the result of length measurement as read out by the Measurer:<br><br><i>Read the record back to the Measurer and also ensure that he/she verifies your record.</i> | LENGTH / HEIGHT (CM) ..... _____ . _____<br><br>CHILD REFUSED ..... 999.4<br>RESPONDENT REFUSED ..... 999.5<br><br>OTHER (specify) _____ 999.6                                     | 999.4 ⇔ AN13<br>999.5 ⇔ AN13<br><br>999.6 ⇔ AN13             |
| AN11B. The child is at least 2 years old and should be measured standing up. Record the result of height measurement as read out by the Measurer:<br><br><i>Read the record back to the Measurer and also ensure that he/she verifies your record.</i> |  |  |
| AN12. How was the child actually measured? Lying down or standing up?  | LYING DOWN ..... 1<br>STANDING UP ..... 2  |  |
| AN13. Today's date: Day / Month / Year:  | _____ / _____ / <u>2 5 6 5</u>   |  |
| AN14. Is there another child under age 5 in the household who has not yet been measured?   | YES ..... 1<br>NO ..... 2  | 1 ⇔ Next Child   |
| AN15. Thank the respondent for his/her cooperation and inform your Supervisor that the Measurer and you have completed all the measurements in this household.   |  |  |

**INTERVIEWER'S OBSERVATIONS FOR ANTHROPOMETRY MODULE**

**MEASURER'S OBSERVATIONS FOR ANTHROPOMETRY MODULE**

**SUPERVISOR'S OBSERVATIONS FOR ANTHROPOMETRY MODULE**

| <b>5-14 CHILD INFORMATION PANEL</b>  |  | <b>FS</b>                            |
|--|--|--------------------------------------|
| <b>FS1. Cluster number:</b> _____  | <b>FS2. Household number:</b> _____  |                                      |
| <b>FS3. Child's name and line number:</b><br><br>NAME _____                        | <b>FS4. Mother's / Caretaker's name and line number:</b><br><br>NAME _____ |                                      |
| <b>FS5. Interviewer's name and number:</b><br><br>NAME _____                       | <b>FS6. Supervisor's name and number:</b><br><br>NAME _____                |                                      |
| <b>FS7. Day / Month / Year of interview:</b><br><br>_____ / _____ / <u>2 5 6 5</u> | <b>FS8. Record the time:</b>   | HOURS : MINUTES<br><br>_____ : _____ |

|  |  |                      |
|--|--|----------------------|
| <p><i>Check respondent's age in HL6 in LIST OF HOUSEHOLD MEMBERS, HOUSEHOLD QUESTIONNAIRE:<br/>If age 15-17, verify that adult consent for interview is obtained (HH33 or HH39) or not necessary (HL20=90). If consent is needed and not obtained, the interview must not commence and '06' should be recorded in FS17. The respondent must be at least 15 years old.</i></p>  |  |                      |
| <b>FS9. Check completed questionnaires in this household: Have you or another member of your team interviewed this respondent for another questionnaire?</b>   | YES, INTERVIEWED ALREADY .....1<br>NO, FIRST INTERVIEW .....2  | 1 ⇒FS10B<br>2 ⇒FS10A |
| <b>FS10A.</b> Hello, my name is ( <i>your name</i> ). We are from National Statistical Office. We are conducting a survey about the situation of children, families and households. I would like to talk to you about ( <i>child's name from FS3</i> )'s health and well-being. This interview will take about 25 minutes. All the information we obtain will remain strictly confidential and anonymous. If you wish not to answer a question or wish to stop the interview, please let me know. May I start now? | <b>FS10B.</b> Now I would like to talk to you about ( <i>child's name from FS3</i> )'s health and well-being in more detail. This interview will take about 25 minutes. Again, all the information we obtain will remain strictly confidential and anonymous. If you wish not to answer a question or wish to stop the interview, please let me know. May I start now? |                      |
| YES..... 1<br>NO / NOT ASKED ..... 2   | 1 ⇒CHILD'S BACKGROUND Module<br>2 ⇒FS17  |                      |

|   |  |                |    |                   |    |              |    |                        |    |                                 |    |   |    |                       |    |
|---|--|----------------|----|-------------------|----|--------------|----|------------------------|----|---------------------------------|----|---|----|-----------------------|----|
| <p><b>FS17. Result of interview for child age 5-14 years</b></p> <p><i>Codes refer to the respondent.</i></p> <p><i>Discuss any result not completed with Supervisor.</i></p> | <table style="width:100%; border-collapse: collapse;"> <tr><td>COMPLETED.....</td><td style="text-align: right;">01</td></tr> <tr><td>NOT AT HOME .....</td><td style="text-align: right;">02</td></tr> <tr><td>REFUSED.....</td><td style="text-align: right;">03</td></tr> <tr><td>PARTLY COMPLETED .....</td><td style="text-align: right;">04</td></tr> <tr><td>INCAPACITATED<br/>(specify)_____</td><td style="text-align: right;">05</td></tr> <tr><td>NO ADULT CONSENT FOR MOTHER/<br/>CARETAKER AGE 15-17 .....</td><td style="text-align: right;">06</td></tr> <tr><td>OTHER (specify) _____</td><td style="text-align: right;">96</td></tr> </table> | COMPLETED..... | 01 | NOT AT HOME ..... | 02 | REFUSED..... | 03 | PARTLY COMPLETED ..... | 04 | INCAPACITATED<br>(specify)_____ | 05 | NO ADULT CONSENT FOR MOTHER/<br>CARETAKER AGE 15-17 ..... | 06 | OTHER (specify) _____ | 96 |
| COMPLETED.....  | 01   |                |    |                   |    |              |    |                        |    |                                 |    |   |    |                       |    |
| NOT AT HOME .....   | 02   |                |    |                   |    |              |    |                        |    |                                 |    |   |    |                       |    |
| REFUSED.....  | 03   |                |    |                   |    |              |    |                        |    |                                 |    |   |    |                       |    |
| PARTLY COMPLETED .....  | 04   |                |    |                   |    |              |    |                        |    |                                 |    |   |    |                       |    |
| INCAPACITATED<br>(specify)_____   | 05   |                |    |                   |    |              |    |                        |    |                                 |    |   |    |                       |    |
| NO ADULT CONSENT FOR MOTHER/<br>CARETAKER AGE 15-17 .....   | 06   |                |    |                   |    |              |    |                        |    |                                 |    |   |    |                       |    |
| OTHER (specify) _____   | 96   |                |    |                   |    |              |    |                        |    |                                 |    |   |    |                       |    |

| CHILD'S BACKGROUND  |   | CB                    |
|---|---|-----------------------|
| <b>CB1.</b> Check the respondent's line number (FS4) in 5-14 CHILD INFORMATION PANEL and the respondent to the HOUSEHOLD QUESTIONNAIRE (HH47): Is this respondent also the respondent to the Household Questionnaire?                                       | YES, RESPONDENT IS THE SAME,<br>FS4=HH47.....1<br>NO, RESPONDENT IS NOT THE SAME,<br>FS4≠HH47.....2   | 1 ⇒ CB2               |
| <b>CB1A.</b> Check ED15: Attended school in the 2564-65 school year?  | YES (ED15 = 1) .....1<br>NO/DK (ED15=2, 8) .....2   | 1 ⇒ CB10C<br>2 ⇒ CB11 |
| <b>CB2.</b> In what month and year was ( <i>name</i> ) born?<br><br><i>Month and year <u>must</u> be recorded.</i>  | DATE OF BIRTH<br>MONTH .....__ __<br><br>YEAR .....__ __ __   |                       |
| <b>CB3.</b> How old is ( <i>name</i> )?<br><br><i>Probe:</i><br>How old was ( <i>name</i> ) at (his/her) last birthday?<br><br><i>Record age in completed years.</i><br><br><i>If responses to CB2 and CB3 are inconsistent, probe further and correct.</i> | AGE (IN COMPLETED YEARS) .....__ __   |                       |
| <b>CB4.</b> Has ( <i>name</i> ) ever attended school or any early childhood education programme?<br><br><i>If 'NO', probe: Has (<i>name</i>) ever attended remotely?</i>  | YES .....1<br>NO .....2   | 2 ⇒ CB11              |
| <b>CB5.</b> What is the highest level and grade or year of school ( <i>name</i> ) has ever attended?<br><br><i>If NON-FORMAL DK grade, record grade '95'.</i>   | EARLY CHILDHOOD EDUCATION.....000<br>PRIMARY..... 1 __ __<br>LOWER SECONDARY ..... 2 __ __<br>UPPER SECONDARY ..... 3 __ __<br>CERTIFICATE (VCE)..... 4 __ __ | 000 ⇒ CB7             |
| <b>CB6.</b> Did (he/she) ever complete that (grade/year)?   | YES .....1<br>NO .....2   |                       |
| <b>CB7.</b> At any time during the 2565-2566 school year did ( <i>name</i> ) attend school or any early childhood education programme?<br><br><i>If 'NO', probe: Did (<i>name</i>) attend remotely during the 2565-2566 school year?</i>                    | YES .....1<br>NO .....2   | 2 ⇒ CB9               |
| <b>CB8.</b> During the 2565-2566 school year, which level and grade or year is ( <i>name</i> ) <u>attending</u> ?<br><br><i>If NON-FORMAL DK grade, record grade '95'.</i>  | EARLY CHILDHOOD EDUCATION.....000<br>PRIMARY..... 1 __ __<br>LOWER SECONDARY ..... 2 __ __<br>UPPER SECONDARY ..... 3 __ __<br>CERTIFICATE (VCE)..... 4 __ __ |                       |
| <b>CB8C.</b> Check response to CB8: Attending primary, lower secondary, or upper secondary?   | PRIMARY,<br>LOWER OR UPPER SECONDARY.....1<br>OTHER.....2   | 2 ⇒ CB9               |
| <b>CB8D.</b> Is ( <i>child's name</i> ) attending Non-Formal Education (NFE) school or home school?   | ATTENDING NFE .....1<br>ATTENDING HOME SCHOOL .....2<br>NOT ATTENDING BOTH FORM.....3   |                       |

|   |  |                      |
|---|--|----------------------|
| <p><b>CB9.</b> At any time during the 2564-2565 school year did (<i>name</i>) attend school or any early childhood education programme?</p> <p><i>IF 'NO', PROBE:</i> Did (<i>name</i>) attend remotely during the 2564-2565 school year?</p> | <p>YES ..... 1<br/>NO ..... 2</p>  | <p>2⇒CB11</p>        |
| <p><b>CB10.</b> During the 2564-2565 school year, which level and grade or year did (<i>name</i>) attend?</p> <p><i>If NON-FORMAL DK grade, record grade '95'.</i></p>  | <p>EARLY CHILDHOOD EDUCATION ..... 000<br/>PRIMARY ..... 1 ___<br/>LOWER SECONDARY ..... 2 ___<br/>UPPER SECONDARY ..... 3 ___<br/>CERTIFICATE (VCE) ..... 4 ___</p>   |                      |
| <p><b>CB10C.</b> During the 2564-65 school year, did (<i>name</i>) attend classes remotely during school closure due to COVID-19 pandemic?</p>  | <p>YES ..... 1<br/>NO ..... 2</p>  | <p>2⇒CB11</p>        |
| <p><b>CB10D.</b> What was the main type of remote learning that (<i>name</i>) used during previous school year?</p>   | <p>ON-LINE ..... 1<br/>ON-AIR ..... 2<br/>ON-DEMAND ..... 3<br/>ON-HAND ..... 4</p>  |                      |
| <p><b>CB10E.</b> What kinds of devices did (<i>name</i>) used for remote learning?</p> <p><i>Probe:</i> Any other?</p>  | <p>TELEVISION ..... A<br/>DESKTOP COMPUTER ..... B<br/>LAPTOP ..... C<br/>TABLET ..... D<br/>SMART PHONE ..... E<br/><br/>OTHER (<i>specify</i>) ..... X<br/><br/>NONE ..... Y</p>   |                      |
| <p><b>CB10F.</b> Did anyone help (<i>name</i>) with remote learning?</p>  | <p>YES ..... 1<br/>NO ..... 2<br/><br/>DK ..... 8</p>  |                      |
| <p><b>CB11.</b> Is (<i>name</i>) covered by any health insurance?</p>   | <p>YES ..... 1<br/>NO ..... 2</p>  | <p>2⇒Next module</p> |
| <p><b>CB12.</b> What type of health insurance is (<i>name</i>) covered by?</p> <p><i>Record all mentioned.</i></p>  | <p>HEALTH INSURANCE THROUGH<br/>EMPLOYER ..... B<br/>PRIVATE HEALTH INSURANCE ..... D<br/>UNIVERSAL HEALTH-CARE<br/>COVERAGE SCHEME ..... E<br/>GOVERNMENT OFFICER ..... F<br/>LOCAL ADMINISTRATIVE<br/>ORGANIZATION ..... G<br/>STATE ENTERPRISES OR INDEPENDENT<br/>AGENCIES ..... H<br/><br/>OTHER (<i>specify</i>) ..... X</p> |                      |

## CHILD DISCIPLINE

FCD

**FCD2.** Now I'd like to talk to you about something else.

Adults use certain ways to teach children the right behaviour or to address a behaviour problem. I will read various methods that are used. Please tell me if you or any other adult in your household has used this method with *(name)* in the past month.

YES NO

|   |  |   |   |
|---|--|---|---|
| [A] Took away privileges, forbade something <i>(name)</i> liked or did not allow (him/her) to leave the house.              | TOOK AWAY PRIVILEGES.....                                  | 1 | 2 |
| [B] Explained why <i>(name)</i> 's behaviour was wrong.   | EXPLAINED WRONG BEHAVIOR .....                             | 1 | 2 |
| [C] Shook (him/her).  | SHOOK HIM/HER .....  | 1 | 2 |
| [D] Shouted, yelled at or screamed at (him/her).  | SHOUTED, YELLED, SCREAMED .....                            | 1 | 2 |
| [E] Gave (him/her) something else to do.  | GAVE SOMETHING ELSE TO DO .....                            | 1 | 2 |
| [F] Spanked, hit or slapped (him/her) on the bottom with bare hand.   | SPANKED, HIT, SLAPPED ON BOTTOM WITH BARE HAND .....       | 1 | 2 |
| [G] Hit (him/her) on the bottom or elsewhere on the body with something like a belt, hairbrush, stick or other hard object. | HIT WITH BELT, HAIRBRUSH, STICK OR OTHER HARD OBJECT ..... | 1 | 2 |
| [H] Called (him/her) dumb, lazy or another name like that.  | CALLED DUMB, LAZY OR ANOTHER NAME .....                    | 1 | 2 |
| [I] Hit or slapped (him/her) on the face, head or ears.   | HIT / SLAPPED ON THE FACE, HEAD OR EARS .....              | 1 | 2 |
| [J] Hit or slapped (him/her) on the hand, arm, or leg.  | HIT / SLAPPED ON HAND, ARM OR LEG .....                    | 1 | 2 |
| [K] Beat (him/her) up, that is hit him/her over and over as hard as one could.  | BEAT UP, HIT OVER AND OVER AS HARD AS ONE COULD.....       | 1 | 2 |

**FCD3.** Check FS4: Is this respondent the mother or caretaker of any other children under age 5?

YES .....1  
NO .....2

2 ⇒ FCD5

**FCD4.** Check FS4: Has this respondent already responded to the following question (UCD5) for another child?

YES .....1  
NO .....2

1 ⇒ Next module

**FCD5.** Do you believe that in order to bring up, raise, or educate a child properly, the child needs to be physically punished?

YES ..... 1  
NO ..... 2  
DK / NO OPINION ..... 8

| PARENTAL INVOLVEMENT  |   | PR                 |
|---|---|--------------------|
| <b>PR1.</b> Check CB3: Child's age?   | AGE 5-6 YEARS..... 1<br>AGE 7-14 YEARS..... 2                         | 1 ⇒Next module     |
| <b>PR2.</b> At the end of this interview I will ask you if I can talk to ( <i>name</i> ). If (he/she) is close, can you please ask (him/her) to stay here. If ( <i>name</i> ) is not with you at the moment could I ask that you now arrange for (him/her) to return? If that is not possible, we will later discuss a convenient time for me to call back. |   |                    |
| <b>PR3.</b> Excluding school text books and holy books, how many books do you have for ( <i>name</i> ) to read at home?   | NONE ..... 00<br>NUMBER OF BOOKS..... 0<br>TEN OR MORE BOOKS ..... 10 |                    |
| <b>PR4.</b> Check CB7: Did the child attend any school?<br><br>Check ED9 in the EDUCATION Module in the HOUSEHOLD QUESTIONNAIRE for child if CB7 was not asked.   | YES, CB7/ED9=1..... 1<br>NO, CB7/ED9=2 OR BLANK ..... 2               | 2 ⇒Next module     |
| <b>PR4A.</b> Check CB8D: Does the child attend NFE or home school?<br><br>Check ED10C in the EDUCATION Module in the HOUSEHOLD QUESTIONNAIRE if CB8D was not asked.   | YES (CB8D/ED10C=1, 2) ..... 1<br>NO (CB8D/ED10C≠1, 2) ..... 2         | 1 ⇒Next module     |
| <b>PR5.</b> Does ( <i>name</i> ) ever have homework?  | YES ..... 1<br>NO ..... 2<br>DK ..... 8                               | 2 ⇒PR7<br>8 ⇒PR7   |
| <b>PR6.</b> Does anyone help ( <i>name</i> ) with homework?   | YES ..... 1<br>NO ..... 2<br>DK ..... 8                               |                    |
| <b>PR7.</b> Does ( <i>name</i> )'s school have a school governing body in which parents can participate such as parent association or basic educational institution board?  | YES ..... 1<br>NO ..... 2<br>DK ..... 8                               | 2 ⇒PR10<br>8 ⇒PR10 |
| <b>PR8.</b> In the last 12 months, have you or any other adult from your household attended a meeting called by this school governing body?<br><br>If 'NO', probe: Did anyone attend remotely?  | YES ..... 1<br>NO ..... 2<br>DK ..... 8                               | 2 ⇒PR10<br>8 ⇒PR10 |
| <b>PR9.</b> During any of these meetings, was any of the following discussed:   | YES NO DK   |                    |
| [A] A plan for addressing key education issues faced by ( <i>name</i> )'s school?   | PLAN FOR ADDRESSING SCHOOL'S ISSUES ..... 1 2 8                       |                    |
| [B] School budget or use of funds received by ( <i>name</i> )'s school?   | SCHOOL BUDGET ..... 1 2 8   |                    |



|   |   |   |
|---|---|---|
| <p><b>PR10.</b> In the last 12 months, have you or any other adult from your household received a school report book for <i>(name)</i>?</p>   | <p>YES ..... 1<br/> NO ..... 2<br/> DK ..... 8</p>  |   |
| <p><b>PR11.</b> In the last 12 months, have you or any adult from your household gone to <i>(name)</i>'s school or participated in remote activities for any of the following reasons?</p> <p>[A] A school celebration or a sport event?</p> <p>[B] To discuss <i>(name)</i>'s progress with (his/her) teachers?</p> <p>[C] To discuss <i>(name)</i>'s behaviour with (his/her) teachers?</p> <p>[D] To discuss on how to organize learning for <i>(name)</i> during COVID-19??</p> | <p style="text-align: right;">YES NO DK</p> <p>CELEBRATION OR<br/> SPORT EVENT ..... 1 2 8</p> <p>TO DISCUSS PROGRESS<br/> WITH TEACHERS ..... 1 2 8</p> <p>TO DISCUSS BEHAVIOUR<br/> WITH TEACHERS ..... 1 2 8</p> <p>TO DISCUSS HOW TO ORGANIZE<br/> DURING COVID-19..... 1 2 8</p> |   |
| <p><b>PR13.</b> In the last 12 months, was <i>(name)</i> unable to attend class due to (his/her) teacher being absent?</p>  | <p>YES ..... 1<br/> NO ..... 2<br/> DK ..... 8</p>  | <p>2 ⇒ <i>Next module</i><br/> 8 ⇒ <i>Next module</i></p> |
| <p><b>PR15.</b> When teacher absence happened did you or any other adult member of your household contact any school officials or school governing body representatives?</p>  | <p>YES ..... 1<br/> NO ..... 2<br/> DK ..... 8</p>  |   |

|                              |                     |   |         |
|------------------------------|---------------------|---|---------|
| FL0. Check CB3: Child's age? | AGE 5-6 YEARS.....  | 1 | 1 ⇒FS11 |
|                              | AGE 7-14 YEARS..... | 2 |         |

FL1. Now I would like to talk to (*name*). I will ask (him/her) a few questions about (himself/herself) and about reading, and then ask (him/her) to complete a few reading and number activities.

These are not school tests and the results will not be shared with anyone, including other parents or the school.

You will not benefit directly from participating and I am not trained to tell you how well (*name*) has performed.

The activities are to help us find out how well children in this country are learning to read and to use numbers so that improvements can be made.

This will take about 20 minutes. Again, all the information we obtain will remain strictly confidential and anonymous.

|                                |                                   |   |         |
|--------------------------------|-----------------------------------|---|---------|
| May I talk to ( <i>name</i> )? | YES, PERMISSION IS GIVEN.....     | 1 | 2 ⇒FL28 |
|                                | NO, PERMISSION IS NOT GIVEN ..... | 2 |         |

|                       |                         |         |
|-----------------------|-------------------------|---------|
| FL2. Record the time. | HOURS AND MINUTES ..... | __ : __ |
|-----------------------|-------------------------|---------|

FL3. My name is (*your name*). I would like to tell you a bit about myself.

Could you tell me a little bit about yourself?

*When the child is comfortable, continue with the verbal consent:*

Let me tell you why I am here today. I am from National Statistical Office. I am part of a team trying to find out how children are learning to read and to use numbers. We are also talking to some of the children about this and asking them to do some reading and number activities. (*Your mother/Name of caretaker*) has said that you can decide if you want to help us. If you wish to help us, I will ask you some questions and give you some activities to do. I will explain each activity, and you can ask me questions any time. You do not have to do anything that you do not want to do. After we begin, if you do not want to answer a question or you do not want to continue that is alright.

|                               |                      |   |         |
|-------------------------------|----------------------|---|---------|
| Are you ready to get started? | YES .....            | 1 | 2 ⇒FL28 |
|                               | NO / NOT ASKED ..... | 2 |         |

FL4. Before you start with the reading and number activities, tick each box to show that:

- You are not alone with the child unless they are at least visible to an adult known to the child.
- You have engaged the child in conversation and built rapport, e.g. using an Icebreaker.
- The child is sat comfortably, able to use the READING & NUMBERS BOOK without difficulty while you can see which page is open.

FL5. Remember you can ask me a question at any time if there is something you do not understand. You can ask me to stop at any time.

|   |                          |     |
|---|--------------------------|-----|
| FL6. First, we are going to talk about reading. | YES                      | NO  |
| [A] Do you read books at home?                  | READS BOOKS AT HOME..... | 1 2 |
| [B] Does someone read to you at home?           | READ TO AT HOME .....    | 1 2 |

|  |                                |   |
|--|--------------------------------|---|
| FL7. Which language do you speak most of the time at home?<br><br><i>Probe if necessary and read the listed languages.</i> | THAI.....                      | 1 |
|  | ENGLISH.....                   | 2 |
|  | OTHER ( <i>specify</i> ) ..... | 6 |
|  | DK .....                       | 8 |

|   |  |  |
|---|--|--|
| <p><b>FL8.</b> Check CB7: In the current school year, did the child attend school or any early childhood education programme?</p> <p>Check ED9 in the EDUCATION Module in the HOUSEHOLD QUESTIONNAIRE for child if CB7 was not asked.</p>   | <p>YES, CB7/ED9=1 .....1<br/>NO, CB7/ED9=2 OR BLANK.....2</p>  | <p>1 ⇒FL9A</p>   |
| <p><b>FL8A.</b> Check CB4: Did the child ever attend school or any early childhood education programmes?</p> <p>Check ED4 in the EDUCATION Module in the HOUSEHOLD QUESTIONNAIRE for child if CB4 was not asked.</p>  | <p>YES, CB4/ED4=1 .....1<br/>NO, CB4/ED4=2 OR BLANK.....2</p>  | <p>1 ⇒FL9B<br/>2 ⇒FL23</p>                             |
| <p><b>FL9A.</b> What language do your teachers use most of the time when teaching you in class?</p> <p><b>FL9B.</b> When you were in school, what language did your teachers use most of the time when teaching you in class?</p> <p>Probe if necessary and name the listed languages.</p>  | <p>THAI .....1<br/>ENGLISH.....2</p> <p>OTHER (specify) _____ 6<br/>DK .....8</p>                    | <p>1 ⇒FL10A<br/>2 ⇒FL23</p> <p>6 ⇒FL23<br/>8 ⇒FL23</p> |
| <p><b>FL10A.</b> Now I am going to give you a short story to read in Thai. Would you like to start reading the story?</p>   | <p>YES .....1<br/>NO .....2</p>  | <p>2 ⇒FL23</p>   |
| <p><b>FL11.</b> Check CB3: Child's age?</p>   | <p>AGE 7-9 YEARS .....1<br/>AGE 10-14 YEARS .....2</p>   | <p>1 ⇒FL13</p>   |
| <p><b>FL12.</b> Check CB7: In the current school year, did the child attend school or any early childhood education programme?</p> <p>Check ED9 in the EDUCATION Module in the HOUSEHOLD QUESTIONNAIRE for child if CB7 was not asked.</p>  | <p>YES, CB7/ED9=1 .....1<br/>NO, CB7/ED9=2 OR BLANK.....2</p>  | <p>1 ⇒FL19</p>   |
| <p><b>FL13.</b> Give the child the <b>READING &amp; NUMBERS BOOK</b>.</p> <p>Open the page showing the reading practice item and say:</p> <p>Now we are going to do some reading. Point to the sentence. I would like you to read this aloud. Then I may ask you a question.</p> <p>Khao is a cat. Kathi is a dog. Khao ages 5 years. Kathi ages 6 years.</p> |  |  |
| <p><b>FL14.</b> Did the child read every word in the practice correctly?</p>  | <p>YES .....1<br/>NO .....2</p>  | <p>2 ⇒FL23</p>   |
| <p><b>FL15.</b> Once the reading is done, ask:<br/>How old is Khao?</p>   | <p>KHAO IS 5 YEARS OLD.....1<br/>OTHER ANSWERS .....2<br/>NO ANSWER AFTER 5 SECONDS.....3</p>        | <p>1 ⇒FL17</p>   |
| <p><b>FL16.</b> Say:<br/>Khao is 5 years old.<br/><br/>and go to FL23.</p>  |  | <p>⇒FL23</p>   |
| <p><b>FL17.</b> Here is another question:<br/>Who is older: Khao or Kathi?</p>  | <p>KATHI IS OLDER (THAN KHAO).....1<br/>OTHER ANSWERS .....2<br/>NO ANSWER AFTER 5 SECONDS.....3</p> | <p>1 ⇒FL19</p>   |
| <p><b>FL18.</b> Say:<br/>Kathi is older than Khao. Kathi is 6 years old and Khao is 5 years old.<br/><br/>and go to FL23.</p>   |  | <p>⇒FL23</p>   |

|   |   |         |        |          |          |          |          |
|---|---|---------|--------|----------|----------|----------|----------|
| <p><b>FL19.</b> Turn the page to reveal the reading passage.</p> <p>Thank you. Now I want you to try this.</p> <p>Here is a story. I want you to read it aloud as carefully as you can.</p> <p>You will start here (<i>point to the first word on the first line</i>) and you will read line by line (<i>point to the direction for reading each line</i>).</p> <p>When you finish I will ask you some questions about what you have read.</p> <p>If you come to a word you do not know, go onto the next word.</p> <p>Put your finger on the first word. Ready? Begin.</p> | Numsai  | is      | in     | class    | two.     | One      | day,     |
|   | 1   | 2       | 3      | 4        | 5        | 6        | 7        |
|   | Numsai  | was     | going  | home     | from     | school.  | She      |
|   | 8   | 9       | 10     | 11       | 12       | 13       | 14       |
|   | saw   | some    | red    | flowers  | on       | the      | way.     |
|   | 15  | 16      | 17     | 18       | 19       | 20       | 21       |
|   | The   | flowers | were   | near     | an       | eggplant | farm.    |
|   | 22  | 23      | 24     | 25       | 26       | 27       | 28       |
|   | Numsai  | wanted  | to     | get      | some     | flowers  | for      |
|   | 29  | 30      | 31     | 32       | 33       | 34       | 35       |
|   | her   | mother. | Numsai | ran      | fast     | across   | the      |
|   | 36  | 37      | 38     | 39       | 40       | 41       | 42       |
|   | farm  | to      | get    | the      | flowers. | She      | fell     |
|   | 43  | 44      | 45     | 46       | 47       | 48       | 49       |
|   | down  | near    | a      | banana   | tree.    | Numsai   | started  |
|   | 50  | 51      | 52     | 53       | 54       | 55       | 56       |
|   | crying.   | The     | farmer | saw      | her      | and      | came.    |
| 57  | 58  | 59      | 60     | 61       | 62       | 63       |          |
| He  | gave  | Numsai  | many   | flowers. | Numsai   | was      |          |
| 64  | 65  | 66      | 67     | 68       | 69       | 70       |          |
| very  | happy.  |         |        |          |          |          |          |
| 71  | 72  |         |        |          |          |          |          |
| <b>FL20.</b> Results of the child's reading.  | LAST WORD ATTEMPTED ..... NUMBER __ __                          |         |        |          |          |          |          |
|   | TOTAL NUMBER OF WORDS<br>INCORRECT OR MISSED ..... NUMBER __ __ |         |        |          |          |          |          |
| <b>FL21.</b> How well did the child read the story?   | THE CHILD READ AT LEAST ONE<br>WORD CORRECTLY ..... 1           |         |        |          |          |          |          |
|   | THE CHILD DID NOT READ ANY<br>WORD CORRECTLY ..... 2            |         |        |          |          |          | 2 ⇒ FL23 |
|   | THE CHILD DID NOT TRY TO READ THE STORY ..... 3                 |         |        |          |          |          | 3 ⇒ FL23 |

|   |   |  |
|---|---|--|
| <p><b>FL22.</b> Now I am going to ask you a few questions about what you have read.</p> <p><i>If the child does not provide a response after a few seconds, repeat the question. If the child seems unable to provide an answer after repeating the question, mark 'No response' and say: Thank you. That is ok. We will move on.</i></p> <p><i>Make sure the child can still see the passage and ask:</i></p> <p>[A] What class is Numsai in?</p> <p>[B] What did Numsai see on the way home?</p> <p>[C] Why did Numsai start crying?</p> <p>[D] Where did Numsai fall (down)?</p> <p>[E] Why was Numsai happy?</p>                          | <p>CORRECT (NUMSAI IS IN CLASS P.2).....1<br/> INCORRECT .....2<br/> NO RESPONSE / SAYS 'I DON'T KNOW' .....3</p> <p>CORRECT (SHE SAW SOME FLOWERS).....1<br/> INCORRECT .....2<br/> NO RESPONSE / SAYS 'I DON'T KNOW' .....3</p> <p>CORRECT (BECAUSE SHE FELL).....1<br/> INCORRECT .....2<br/> NO RESPONSE / SAYS 'I DON'T KNOW' .....3</p> <p>CORRECT (NUMSAI FELL DOWN NEAR A BANANA TREE).....1<br/> INCORRECT .....2<br/> NO RESPONSE / SAYS 'I DON'T KNOW' .....3</p> <p>CORRECT (BECAUSE THE FARMER GAVE HER MANY FLOWERS / BECAUSE SHE HAD FLOWERS TO GIVE TO HER MOTHER) .....1<br/> INCORRECT .....2<br/> NO RESPONSE / SAYS 'I DON'T KNOW' .....3</p> |  |
| <p><b>FL23.</b> Turn the page in the <i>READING &amp; NUMBERS BOOK</i> so the child is looking at the list of numbers. Make sure the child is looking at this page. Now here are some numbers. I want you to point to each number and tell me what the number is.</p> <p><i>Point to the first number and say:</i><br/> Start here.</p> <p><i>If the child stops on a number for a while, tell the child what the number is, mark the number as 'No Attempt', point to the next number and say:</i><br/> What is this number?</p> <p><i>If the child does not attempt to read 2 consecutive numbers, say:</i><br/> Thank you. That is ok.</p> | <p><b>9</b><br/> CORRECT .....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p> <p><b>12</b><br/> CORRECT .....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p> <p><b>30</b><br/> CORRECT .....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p> <p><b>48</b><br/> CORRECT .....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p> <p><b>74</b><br/> CORRECT .....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p> <p><b>731</b><br/> CORRECT .....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p>   |  |

|  |   |                               |
|--|---|-------------------------------|
| <p><b>FL23A.</b> Check FL23: Did the child correctly identify two of the first three numbers (9, 12 and 30)?</p>   | <p>YES, AT LEAST TWO CORRECT ..... 1<br/> NO, AT LEAST 2 INCORRECT OR WITH NO ATTEMPT ..... 2</p>   | <p>2 ⇒FL28</p>                |
| <p><b>FL24.</b> Turn the page so the child is looking at the first pair of numbers. Make sure the child is looking at this page. Say:<br/> Look at these numbers. Tell me which one is bigger.</p> <p><i>Record the child's answer before turning the page in the book and repeating the question for the next pair of numbers.</i></p> <p><i>If the child does not provide a response after a few seconds, repeat the question. If the child seems unable to provide an answer after repeating the question, record '3', no attempt, for the appropriate pair of numbers, turn the booklet page and show the child the next pair of numbers.</i></p> <p><i>If the child does not attempt 2 consecutive pairs, record '3', no attempt, for remaining pairs and say:<br/> Thank you. That is ok. We will go to the next activity.</i></p>   | <p><b>7 &amp; 5</b><br/> CORRECT (7).....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p> <p><b>11 &amp; 24</b><br/> CORRECT (24).....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p> <p><b>58 &amp; 49</b><br/> CORRECT (58).....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p> <p><b>65 &amp; 67</b><br/> CORRECT (67).....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p> <p><b>146 &amp; 154</b><br/> CORRECT (154).....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p> |                               |
| <p><b>FL25.</b> Give the child a pencil and paper. Turn the page so the child is looking at the first addition. Make sure the child is looking at this page. Say:<br/> Look at this sum. How much is (<b>number plus number</b>)? Tell me the answer. You can use the pencil and paper if it helps you.</p> <p><i>Record the child's answer before turning the page in the book and repeating the question for the next sum.</i></p> <p><i>If the child does not provide a response after a few seconds, repeat the question. If the child seems unable to provide an answer after repeating the question, record '3', no attempt, for the appropriate sum, turn the booklet page and show the child the next addition.</i></p> <p><i>If the child does not attempt 2 consecutive sums, record '3', no attempt, for remaining sums and say:<br/> Thank you. That is ok. We will go to the next activity.</i></p> | <p><b>3 + 2</b><br/> CORRECT (5).....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p> <p><b>8 + 6</b><br/> CORRECT (14).....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p> <p><b>7 + 3</b><br/> CORRECT (10).....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p> <p><b>13 + 6</b><br/> CORRECT (19).....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p> <p><b>12 + 24</b><br/> CORRECT (36).....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p>                             |                               |
| <p><b>FL26.</b> Turn to the first practice sheet for pattern recognition. Say: Here are some numbers. 1, 2, __, and 4.</p> <p><i>Point to each number and blank space and say: What number goes here?</i></p>  | <p>CORRECT (3).....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p>  | <p>2 ⇒FL26B<br/> 3 ⇒FL26B</p> |
| <p><b>FL26A.</b> That's correct, 3. Let's do another one.</p>  |   | <p>⇒FL26C</p>                 |
| <p><b>FL26B.</b> Do not explain how to get the correct answer.<br/> Just say:<br/> The number 3 goes here. Say the numbers with me.<br/> (Point to each number) 1, 2, 3, 4. 3 goes here. Let's do another one.</p>   |   |                               |

|  |  |                               |
|--|--|-------------------------------|
| <p><b>FL26C.</b> Here are some more numbers. 5, 10, 15 and __.</p> <p><i>Point to each number and blank space and say: What number goes here?</i></p>  | <p>CORRECT (20).....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p>  | <p>2 ⇒FL26E<br/> 3 ⇒FL26E</p> |
| <p><b>FL26D.</b> That’s correct, 20.</p>   |  | <p>⇒FL27</p>                  |
| <p><b>FL26E.</b> <i>Do not explain how to get the correct answer. Just say:</i><br/> The number 20 goes here. Say the numbers with me.<br/> <i>(Point to each number) 5, 10, 15, 20. 20 goes here.</i></p>   |  |                               |
| <p><b>FL26F.</b> <i>Check FL26: Was the answer correct?</i></p>  | <p>YES, FL26=1 ..... 1<br/> NO, FL26=2 OR 3 ..... 2</p>  | <p>2 ⇒FL28</p>                |
| <p><b>FL27.</b> Now I want you to try this on your own.</p> <p>Here are some more numbers. Tell me what number goes here (<i>pointing to the missing number</i>).</p> <p><i>Record the child’s answer before turning the page in the book and repeating the question.</i></p> <p><i>If the child does not provide a response after a few seconds, repeat the question. If the child seems unable to provide an answer after repeating the question, record ‘3’, no attempt, for the appropriate question, turn the page and show the child the next question.</i></p> <p><i>If the child does not attempt 2 consecutive patterns, record ‘3’, no attempt, for remaining patterns and say: Thank you. That is ok.</i></p> | <p><b>5, 6, 7, __</b><br/> CORRECT (8).....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p> <p><b>14, 15, __, 17</b><br/> CORRECT (16).....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p> <p><b>20, __, 40, 50</b><br/> CORRECT (30).....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p> <p><b>2, 4, 6, __</b><br/> CORRECT (8).....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p> <p><b>5, 8, 11, __</b><br/> CORRECT (14).....1<br/> INCORRECT .....2<br/> NO ATTEMPT.....3</p> |                               |

|  |  |  |
|--|--|--|
| <p><b>FL28.</b> <i>Result of interview with child.</i></p> <p><i>Discuss any result not completed with Supervisor.</i></p> | <p>COMPLETED ..... 01<br/> NOT AT HOME..... 02<br/> MOTHER / CARETAKER REFUSED..... 03<br/> CHILD REFUSED ..... 04<br/> PARTLY COMPLETED..... 05<br/> INCAPACITATED ..... 06</p> <p>OTHER (<i>specify</i>)..... 96</p> |  |
|--|--|--|

|  |   |  |
|--|---|--|
| <b>FS11.</b> <i>Record the time.</i>   | HOURS AND MINUTES ..... __ : __   |  |
| <b>FS12.</b> <i>Language of the Questionnaire.</i>                             | THAI ..... 1<br>ENGLISH ..... 2   |  |
| <b>FS13.</b> <i>Language of the Interview.</i>                                 | THAI ..... 1<br>ENGLISH ..... 2<br><br>OTHER LANGUAGE<br>(specify) ..... 6  |  |
| <b>FS14.</b> <i>Native language of the Respondent.</i>                         | THAI ..... 01<br>ENGLISH ..... 02<br>CHINESE ..... 03<br>BURMESE ..... 04<br>KHMER / KUY ..... 05<br>MALAY / JAWI ..... 06<br>LAO ..... 07<br>KAREN ..... 08<br>HMONG ..... 09<br>LAHU ..... 10<br>MON ..... 11<br>LAWA ..... 12<br>AKHA ..... 13<br>NYEU ..... 14<br>SHAN ..... 15<br><br>OTHER LANGUAGE<br>(specify) ..... 96 |  |
| <b>FS15.</b> <i>Was a translator used for any parts of this questionnaire?</i> | YES, THE ENTIRE QUESTIONNAIRE ..... 1<br>YES, PARTS OF THE QUESTIONNAIRE ..... 2<br>NO, NOT USED ..... 3  |  |



| <b>MICS PLUS CONSENT</b>  |                               |  |  |  |   |
|---|-------------------------------|--|--|--|---|
| <b>FS20.</b> Check HH60.: Was consent for MICS Plus previously asked from this respondent?  |                               |  | YES, CONSENT ALREADY ASKED .....1<br>NO, NOT ASKED .....2                      |  | 1 ⇒FS28   |
| <b>FS21.</b> Was consent for MICS Plus previously asked from this respondent in any other questionnaire (WM, MN or UF)?   |                               |  | YES, CONSENT ALREADY ASKED .....1<br>NO, NOT ASKED .....2                      |  | 1 ⇒FS28   |
| <b>FS22.</b> We may call you back to talk about you and your family in the coming months. This call will take about 10-15 minutes. Again, all the information you provide will be confidential and anonymous.<br><br>Would you like to participate?   |                               |  | YES .....1<br>NO.....2<br><br>OTHER (specify) _____ 6                          |  | 2 ⇒FS28<br><br>6 ⇒FS28  |
| <b>FS23.</b> Please give me all phone numbers at which we can easily get in touch with you, starting with your preferred number. If 'No', Ask: Can we reach you through somebody else's phone number?   |                               |  | YES .....1<br>NO PHONE .....2  |  | 2 ⇒FS28   |
| <b>FS24</b><br><i>Order</i>   | <b>FS25.</b> Telephone number | <b>FS25A.</b> Is this landline or mobile<br><br>1. LANDLINE<br>2. MOBILE | <b>FS25B.</b> Who does this phone belong to?<br><i>Record the line number#</i> | <b>FS26.</b> Is there any preferred or more convenient time of the day we could call you on this number?<br><br>A. MORNINGS      B. AFTERNOON<br>C. EVENINGS      D. WEEKENDS<br>E. ANYTIME      X. OTHER (specify_____) | <b>FS27.</b> Do you have another phone number?<br><br>1. YES<br>2. NO |
| <b>1</b>  |                               | 1      2   | ___ ___  | A   B   C   D   E   X  | 1 ☺      2 ☺<br><i>Next Line</i> <i>FS28</i>                          |
| <b>2</b>  |                               | 1      2   | ___ ___  | A   B   C   D   E   X  | 1 ☺      2 ☺<br><i>Next Line</i> <i>FS28</i>                          |
| <b>3</b>  |                               | 1      2   | ___ ___  | A   B   C   D   E   X  |   |
| <b>OTHER CODES FOR FS25B:</b> 40-Home phone; 50-Neighbour; 51-Friend; 60-Workplace/office; 90-Don't want to disclose.   |                               |  |  |  |   |
| <b>FS28.</b> Thank the respondent and the child for her/his cooperation.<br><br><i>Proceed to complete the result in FS17 in the 5-14 CHILD INFORMATION PANEL and then go to the HOUSEHOLD QUESTIONNAIRE and complete HH56.</i><br><br><i>Make arrangements for the administration of the remaining questionnaire(s) in this household.</i> |                               |  |  |  |   |

**INTERVIEWER'S OBSERVATIONS**

**SUPERVISOR'S OBSERVATIONS**





**Thailand**

**Multiple Indicator Cluster Survey**

**2022**