

## ***0.a. Goal***

3. Ensure healthy lives and promote well-being for all at all ages

## ***0.b. Target***

3.1 By 2030, reduce the global maternal mortality ratio to less than 70 per 100,000 live births

## ***0.c. Indicator***

3.1.2 Proportion of births attended by skilled health personnel

## ***0.e. Metadata update***

November 2020

## ***1.a. Organisation***

National Institute of Statistics (NIS), Ministry of Planning

## ***1.b. Contact person(s)***

Phan Chinda (Mr)

## ***1.c. Contact organisation unit***

Demographic Statistics, Population and Survey Department

## ***1.d. Contact person function***

Deputy Director General

## ***1.e. Contact phone***

+855 012 867 581

## ***1.f. Contact mail***

No. 386 Street 360, Sangkat Boeung Kengkang I, Khan Chamkarmon, Phnom Penh, Cambodia

## ***1.g. Contact email***

phanchinda@yahoo.com

## ***2.a. Definition and concepts***

It refers to the proportion of deliveries that were attended by skilled health personnel including physicians, medical assistants, midwives and nurses but excluding traditional birth attendants

## ***2.b. Unit of measure***

Percent

## ***3.a. Data sources***

Cambodia Demographic and Health Survey (CDHS)

## ***3.b. Data collection method***

The CDHS was conducted in 2000, 2005, 2010 and 2014. Before the CDHS, similar surveys known as Demographic Survey 1996 was also conducted by the NIS and followed by Nation Health Survey 1998 was conducted by Ministry of Health.

The CDHS is national household survey covering many areas related to the demographic and health situation within the population. It includes information on demography, family planning, infant and child mortality, domestic violence, and health-related information such as breastfeeding, antenatal care, children's immunization, childhood diseases, and HIV/AIDS. Also, the questionnaires are designed to evaluate the nutritional status of mothers and children and to measure the prevalence of anemia.

The survey covered a sample of 15,000 plus households. All women age 15-49 in these households and all men aged 15-49 in a sub-sample of one-half of the households were eligible to be individually interviewed. The questionnaire is conducted in three parts for household, women and men in the household supplemented by blood collection for HIV and hemoglobin testing.

The CDHS data were collected by 17 teams, each consisting of a team supervisor, a field editor, and four female interviewers. Each team was in charge of data collection in one province or a group of provinces. Coordination and supervision of the interviewing activities were done by four survey coordinators and four supervisory staff members from the National Institute of Statistics and the Ministry of Health. Data collection took place over a six-month period, from February to July in the year of survey.

The detailed documentations of the survey, such as questionnaire, field operation manual and technical report on survey design and implementation are stored in NADA (National Data Archive), NIS website: <http://nada.nis.gov.kh/index.php/home>

## ***3.c. Data collection calendar***

The next round survey: Qrt3, 2021

## ***3.d. Data release calendar***

One year after the reference period of the survey

### ***3.e. Data providers***

National Institute of Statistics

### ***3.f. Data compilers***

National Institute of Statistics

### ***3.g. Institutional mandate***

By virtue of the article 12 of Statistics Law, NIS in is responsible for:

- Collecting, processing, compiling, analyzing, publishing and disseminating basic data by conducting censuses and surveys, and utilizing administrative data sources;
- Compiling national accounts and price indexes, as well as economic, environment and socio-demographic indicators;
- Coordination with line ministries as data producers as mandated by the Statistics Law; and
- Functioning as the central repository of CSDG/SDG indicators.

## ***4.a. Rationale***

Having a skilled attendant at the time of childbirth is an important lifesaving intervention for both women and babies. Not having access to this key assistance is detrimental to women's health because it could cause the death of the women or long lasting morbidity, especially in vulnerable settings.

## ***4.b. Comment and limitations***

Survey estimates come with levels of uncertainty due to both sampling error and non-sampling error (e.g. measurement technical error, recording error etc.). None of the two sources of errors have been fully taken into account for deriving estimates neither at country nor at regional and global levels.

The weights for each survey observation are determined by the sampling design, design weights, and adjusted for non-response and other imperfections such as under coverage or, adjusted to improve the precision of estimates.

## ***4.c. Method of computation***

The number of women aged 15-49 with a live birth attended by skilled health personnel (doctors, nurses or midwives) during delivery is expressed as a percentage of women aged 15-49 with a live birth in the same period.

## ***5. Data availability and disaggregation***

Data disaggregation is available for various socio-economic characteristics including residence (urban/rural), household wealth quintiles, education level of the mother, maternal age, geographic regions (provinces).

## ***7. References and Documentation***

Cambodia Demographic and Health Survey Report: [https://dhsprogram.com/Countries/Country-Main.cfm?ctry\\_id=6](https://dhsprogram.com/Countries/Country-Main.cfm?ctry_id=6)