
Subject: Reproductive health indicators

Posted by [Arif_Billah](#) on Mon, 13 Mar 2023 08:45:23 GMT

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Dear DHS members

I am using the BDHS 2017-18 datasets to calculate the following reproductive health indicators suggested by the World Health Organization-

1. Total Fertility Rate (TFR): Total number of children a woman would have by the end of her reproductive period if she experienced the currently prevailing age-specific fertility rates throughout her childbearing life
2. Contraceptive Prevalence Rate (CPR): Percent of women of reproductive age (15-49) who are using (or whose partner is using) a contraceptive method at a particular point in time
3. Maternal Mortality Ratio (MMR): Annual number of maternal deaths per 100,000 live births
4. Antenatal Care Coverage : Percent of women attended at least once during pregnancy, by skilled health personnel (excluding trained or untrained traditional birth attendants), for reasons relating to pregnancy
5. Percent of Births Attended by Skilled Health Personnel: Percent of births attended by skilled health personnel (excluding trained or untrained traditional birth attendants)
6. Availability of Basic Essential Obstetric Care: Number of facilities with functioning basic essential obstetric care per 500,000 population
7. Availability of Comprehensive Essential Obstetric Care: Number of facilities with functioning comprehensive essential obstetric care per 500,000 population
8. Perinatal Mortality Rate (PMR): Number of perinatal deaths per 1,000 total births
9. Low Birth Weight Prevalence: Percent of live births that weigh less than 2,500g
10. Positive Syphilis Serology Prevalence in Pregnant Women: Percent of pregnant women (15-24) attending antenatal clinics, whose blood has been screened for syphilis, with positive serology for syphilis
11. Prevalence of Anemia in Women: Percent of women of reproductive age (15-49) screened for hemoglobin levels with levels 110g/l for pregnant women, and 120g/l for non-pregnant women
12. Percent of Obstetric and Gynecological Admissions Owing to Abortion: Percent of all cases admitted to service delivery points providing in-patient obstetric and gynecological services, which are due to abortion (spontaneous and induced, but excluding planned termination of pregnancy)
13. Reported Prevalence of Women with FG: Percent of women interviewed in a community survey reporting having undergone FGC

14. Prevalence of Infertility in Women: Percent of women of reproductive age (15-49) at risk of pregnancy (not pregnant, sexually active, non-contracepting, and non-lactating) who report trying for a pregnancy for two years or more

15. Reported Incidence of Urethritis in Men: Percent of men aged (15-49) interviewed in a community survey reporting episodes of urethritis in the last 12 months

16. HIV Prevalence among Pregnant Women: Percent of pregnant women (15-24) attending antenatal clinics, whose blood has been screened for HIV and who are Sero-positive for HIV

17. Knowledge of HIV-related Prevention Practices: Percent of all respondents who correctly identify all three major ways of preventing the sexual transmission of HIV and who reject three major misconceptions about HIV transmission or prevention.

Which indicators of the above lists can be determined from the BDHS 2017-18 datasets? It would be very helpful if there is any Stata commands for generating those indicators.

Subject: Re: Reproductive health indicators
Posted by [Janet-DHS](#) on Wed, 15 Mar 2023 14:32:35 GMT
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Following is a response from DHS staff member, Tom Pullum:

Please look at DHS reports on this survey that are available on the DHS website, under "Publications" and "Search". I believe that all of the major indicators that can be calculated from this survey have already been calculated, for Bangladesh as a whole and for many subpopulations. Several of the indicators on your list cannot be calculated with DHS data from any survey. You do not need to calculate the indicators yourself. However, we have posted programs with which you can replicate what's in the final report (<https://github.com/DHSProgram>).

Subject: Re: Reproductive health indicators
Posted by [Arif_Billah](#) on Wed, 15 Mar 2023 16:08:15 GMT
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Dear Janet-DHS

First of all, thank you very much for your replay.

I found that the total fertility rate, contraceptive prevalence rate (CPR), antenatal care coverage, and percent of births attended by skilled health personnel Low birth weight prevalence, the

prevalence of anemia in women, the prevalence of infertility in women, and knowledge of HIV-related prevention practices can be estimated in different BDHS surveys, and many of these data are not reported in the BDHS 2017/18 datasets. For example, HIV knowledge and women's anemia

Moreover, the GitHub codes do not completely align with the results. Several parameters had hidden assumptions. For example, PNC services with a medically trained person or early marriage had a hidden clause during analyses.

So, I am asking for the codes to estimate the above (or listed indicators).

Thank you in advance

Subject: Re: Reproductive health indicators
Posted by [Janet-DHS](#) on Mon, 20 Mar 2023 20:24:49 GMT
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Following is a response from DHS staff member, Tom Pullum:

Your question has many parts and goes far beyond the scope of the user's forum. Please be more focused. Is there a specific table in the final report on the Bangladesh 2017-18 report that you cannot replicate using the GitHub programs? The GitHub programs, the Guide to DHS Statistics, and previous postings on the forum should be helpful.

What would be an example of "a hidden clause"?