Subject: Sampling weight calculation for Under five children of Bangladesh
Posted by sabbiroeh@gmail.com on Wed, 18 Jul 2018 02:32:54 GMT
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Dear,

I , Dr. Sabbir Ahmed , am currently doing public health research under MPH in University of Malaya, Malaysia.

I am using the secondary data set (DHS 2014) of Demographic health Survey (DHS) regarding a topic

I am facing trouble to convert the sample estimate to population estimate. Specially the V005 variabe of BDKR72FL file.

It has only weightage for women . so to divide the data of V005 by 1000000 to get the women population.

But how can I calculate the total number of Under five children of Bangladesh from this data set ?

Please give your valuable input.

Regards,
Sabbir

Subject: Re: Sampling weight calculation for Under five children of Bangladesh
Posted by Bridgette-DHS on Mon, 08 Oct 2018 22:07:48 GMT
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Following is a response from Senior DHS Stata Specialist, Tom Pullum:

The best source for an estimate of, say, the number of children under 5 in Bangladesh at the time of the survey would be from the website for the UN Population Division (https://population.un.org/wpp/). Once you have such a number, you can use DHS data to estimate, say, the number of children under five who do not have a full set of immunizations, by applying the proportion in the DHS sample to the population age 0-4 estimated by the UN.

The DHS weights are calculated in such a way that the sum of v005/1,000,000 is equal to the total sample size (of women). You might think that if you inflate those weights by a factor 1/F, where F is the sampling fraction, you will get population estimates. That's correct, but the estimates would not be as good as if you use another source such as the UN numbers I mentioned above.