Subject: Use of weights on subsetted data
Posted by margovg on Fri, 12 Nov 2021 08:25:55 GMT
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Hello,

I am using the Bangladesh DHS survey for 2017-18 to construct a pseudo baseline for an intervention. I have extracted the clusters which fall into my intervention area using the GPS coordinates. I wonder if, doing the analysis on this subset of clusters, requires me to adjust the weights.
Any advice or documentation on this would be appreciated!

Best, Margo

Subject: Re: Use of weights on subsetted data
Posted by Bridgette-DHS on Thu, 18 Nov 2021 14:36:07 GMT
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Following is a response from DHS Senior Sampling Specialist, Mahmoud Elkasabi:

The survey weights of BDHS is calculated taking into consideration the division by residence type as sampling strata. Could you please give more details about your intervention area. Is it a specific division or sub-division? How do you plan to do your intervention, will you select fresh clusters in the same area?

Subject: Re: Use of weights on subsetted data
Posted by margovg on Wed, 24 Nov 2021 09:05:31 GMT
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Thanks Bridgette, for your response!
The intervention area consists of 62 unions across 5 upazila's (Jessore, Khulna, Sathkira, Patuakhali, Barguna). The intervention was implemented across those 62 unions as of 2017. As such, the DHS makes for a nice pseudo-baseline for a number of indicators of interest. For the endline survey we have selected a fresh set of clusters, and we're hoping to compare those results.
Hope this information is helpful and sufficient.

Subject: Re: Use of weights on subsetted data
Posted by Bridgette-DHS on Wed, 24 Nov 2021 18:57:15 GMT

Following is another response from DHS Senior Sampling Specialist, Mahmoud Elkasabi:

Thanks for sending the details. The current survey weights are calculated so that the selected sample represent the whole division by urban/rural. As far as I understood, your target areas are the 62 unions only, and therefore your survey weight should be calculated so that the selected clusters are representing clusters on the 62 unions only and not all clusters within the division. I assume, you should be able to do so easily in the intervention survey, since it is part of the selection process. For the DHS to be used as a baseline, if you have access, it would be better if you can adjust the survey weights so it only represent the 62 unions. This might be a complicated process and prone to errors. The other option would be to use the survey weights as they are with the limitations discussed above considered.