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Subject: GMHS and Weighting

Posted by [Kedbaah](#) on Sat, 18 Nov 2023 06:41:38 GMT

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Hello,

I am currently working on a project that will utilize the 2017 Ghana Maternal Health Surveys. I have noticed that most published articles I have come across, which used the said data, did not apply the weights. I am aware that the size of the unweighted sample is the same as the weighted sample for the individual (woman) data, but not for characteristics or variables (which I guess may be due to probability proportional to size).

My first question is, is it right not to apply the weights? If no, why do I see a lot of chi-square test for association p-values (my understanding is that you'd rather need a design-based F-statistic p-value in this case).

Also, would it be necessary for me to apply the weights if I only intend to utilize the kids or children file (asking this because, unlike recent GDHS files, weights were not included in the children file in the 2017 GMHS)?

Thanks.

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