Subject: Pooling data from different countries?
Posted by chopotin on Mon, 01 Jun 2015 21:06:06 GMT
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Hello!

I have seen several studies (Maheu-Giroux et al, 2015; Helleringer et al, 2014) pool congruent DHS data from different countries. I wanted to know if anyone has more information regarding how to do this exactly. Specifically, do you measure the weighted rates of the outcome for each country and then backtrack that rate/percentage to the actual study population (so if study pop is 18000 and weighted perc is 18% you would take 18% of the study population) and then use those numbers for each country's study?

I'm just a little confused how they can pool different countries and take into account the weighting as well as adjustment for key factors, all at the same time. I looked into the methods sections for these two studies and about 4-5 others that pool DHS data from different countries and the methods to pool data were not clear.

Thanks for any help in advance!!

Leo

References.

Helleringer, Stéphane, Jalaa Abdelwahab, and Maya Vandenent. "Polio Supplementary Immunization Activities and Equity in Access to Vaccination: Evidence From the Demographic and Health Surveys." Journal of Infectious Diseases 210, no. suppl 1 (2014): S531-S539.

Maheu-Giroux, Mathieu, Véronique Filippi, Sékou Samadoulougou, Marcia C. Castro, Nathalie Maulet, Nicolas Meda, and Fati Kirakoya-Samadoulougou. "Prevalence of symptoms of vaginal fistula in 19 sub-Saharan Africa countries: a meta-analysis of national household survey data." The Lancet Global Health 3, no. 5 (2015): e271-e278.

Subject: Re: Pooling data from different countries?
Posted by owraza on Sun, 23 Aug 2015 10:48:51 GMT
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This is an important concern and I hope DHS's expert will soon going to reply.