Subject: Multilevel model for SPA data Posted by Lucia on Fri, 10 Feb 2023 15:12:14 GMT View Forum Message <> Reply to Message

Hello, I am conducting an analysis of the labor and delivery observations using data from SPAs conducted in Kenya 2010, Malawi 2013-14, and Nepal 2021. I want to carry out a multilevel mixed-effect model for each country, however, I have read different opinions about it in the forum.

I saw that some people suggest setting the clwgt = 1 and just using the fcwgt for the multilevel model, this is because the clwgt already takes into account the fcwgt. Others suggest using both weights with this code: svyset inv_id, weight(fcwgt) strata(strata) singleunit(centered) ||_n, weight(clwgt).

I also saw that there is a document that explains how to approximate level weights, however, it is for DHS data and not SPA data.

I was wondering if you could help me in understanding which method should I use, and if the document on DHS data is applicable to SPA data.

many thanks, Kind regards, Lucia

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