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Subject: Re: Weighted multilevel models using Tanzania SPA

Posted by [SaraDHS](#) on Mon, 15 May 2023 19:07:28 GMT

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As you can see from Dr Ren's answer, the provider and client weights already take into account the multi-stage selection of facilities, so using both the facility weight AND the provider or client weight in the same model is not appropriate.

In the past, we have used facility weight as the first level weight, and assumed equal weight for all clients in the same facility, which may not be true. For some services, like family planning, it is often the case that all clients in a facility on the day of data collection are observed and interviewed, while for others it is not true. You can explore your data and see what is the case and what might make sense. There is no clear cut answer for this question.

Best,  
Sara

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