Subject: Design effect
Posted by awah on Wed, 10 Dec 2014 11:05:34 GMT
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Hi,

I am a PhD student working in the field of female genital cutting (FGC).
We are planning a cluster randomized intervention study to investigate knowledge, attitudes and practice of FGC.

For the sample size calculation we need to estimate the design effect (or the intracluster correlation coefficient).
I have found that DHS publish design effect for some of the questions used in the questionnaire.
But I have not found this reported for the questions in the Female Genital Cutting Model.
Is this information available somewhere?

Much grateful for an answer!

Subject: Re: Design effect
Posted by Sarah-DHS on Wed, 10 Dec 2014 15:20:31 GMT
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Dear awah,

Here is a response from Senior Sampling Statistician Dr. Rulin Ren:
It is true that we never reported the CI for the FGC in the DHS final report, so there is no estimate of the design effect. But I guess it is an indicator with high intra-cluster correlation because it is culture related. Our rule of thumb is that if you do not know the design effect of specific DHS indicator, take it as 1.5 because this is the average value for DHS indicators. Please note that we use Deft, which is the square root of Deff.

Thank you,
Sarah-DHS

Subject: Re: Design effect
Posted by awah on Fri, 12 Dec 2014 09:25:22 GMT
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Thank you very much for your response.

Could you please just specify if your rule of thumb refers to Deff=1.5 or Deft=1.5?

Subject: Re: Design effect
Posted by Sarah-DHS on Fri, 12 Dec 2014 14:08:24 GMT
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Dear Awah,

From Dr. Ruilin Ren:

Since we always use Deft, so our rule of thumb is Deft=1.5.

Thanks,
Sarah-DHS

Subject: Re: Design effect
Posted by Hassen on Mon, 07 May 2018 07:04:03 GMT
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Thank you very much!!