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Subject: Creating a facility quality index  
Posted by [Sonny](#) on Wed, 08 May 2019 15:11:02 GMT  
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Hi,

I am interested in creating an composite measure of general facility quality from the information in the SPA. I presumed there would be some standardised information or methodology on utilising the data collected in SPA to generate a general index of facility quality, however, I have been unable to find this anywhere if it exists. I'm aware there are discussions around what indicators would/should be included in any index but this isn't really of primary interest to me rather than just being able to capture and control for some aggregate measure of facility quality.

Even more specifically if there is any pre-existing work which details the use of variables in the SPA for the creation of an index on facility quality specifically around maternal and child health care (including delivery services) this would be even better, however, I assume a method of measuring more generalised quality may be more likely.

I am using STATA so if there are any sources which have do files or detail a method of taking variables from the SPA to construct a composite health facility quality index that would be great.

I'm aware there are WHO (and other) frameworks which have been attempted to be mapped onto the SPA surveys but these are all a bit abstract in their discussion and don't detail the exact variables used.

Any help very greatly appreciated as it would save me a lot of time extracting variables in a somewhat ad hoc manner. I'd much rather use some more standardised way of calculating a quality index if one exists. Even something outlining the key variables would be a great start and I could determine how to construct the index (additive, weighted additive, PCA) from there.

Thanks.

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Subject: Re: Creating a facility quality index  
Posted by [ae.adegbosin](#) on Thu, 29 Aug 2019 06:02:10 GMT  
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@ Sonny your query sums up a major gap in literature on assessment of MNCH service quality. I have so far come across two publications that constructed a form of index; (structural & process indices). I have listed the papers below:

<https://bmjopen.bmj.com/content/9/7/e029631.info>

<https://www.sciencedirect.com/science/article/pii/S2214109X1631802>

A composite measure similar to the composite coverage index or co-coverage index widely used to measure MNCH indicator coverage needs to be developed. I believe by mapping all items surveyed in all the available service quality surveys (SPA, SARA, SDI...) and looking at the WHO

QoC framework, it may be possible to develop a viable composite index for quality assessment. Am keen on working on this subject.

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Subject: Re: Creating a facility quality index  
Posted by [tiampalermo@gmail.com](mailto:tiampalermo@gmail.com) on Tue, 24 Sep 2019 15:21:36 GMT  
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There is at least one DHS Working Papers that creates a Facility Quality indicator - Wang et al. 2014: <https://dhsprogram.com/publications/publication-WP114-Working-Papers.cfm>

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