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Subject: Re: Displacement of GIS data

Posted by [Thea-DHS](#) on Fri, 21 Jun 2013 12:58:51 GMT

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A detailed report on the effect of the displacement on analysis is currently being written and will be released in the coming months. Our recommendation to account for the GPS displacement in your analysis is to use categories of distances instead of measuring direct distances. The categories of distances should be similar to the potential distances applied during the displacement procedure (up to 2km for urban clusters, and up to 5km for rural clusters, with a further 1% of rural clusters displaced up to 10km). For example, a 0-5km distance category would be appropriate, but 0-0.5km would not be appropriate since it does not account for the full potential displacement distance of either urban or rural clusters.

Additionally, displacement will have a large effect on linking clusters to a specific facility (ie closest) versus linking to any facility within a certain distance of the cluster. That is if you are interested in general access to facilities this doesn't matter but if you are using information on quality or type of car from a specific facility this becomes an issue.

Also, please note that many of the surveys include a variable that lists whether women consider distance to a health facility a big problem when seeking medical advice or treatment.

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