
Subject: Re: Aggregating data from facility to Province level
Posted by [Bridgette-DHS](#) on Tue, 02 Mar 2021 20:37:17 GMT
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Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

The weight for a specific facility in the data file is based on just the sample design. It is inversely proportional to the probability of selection. When the weights are used, you will get (for example) an unbiased estimate of the proportion of ALL facilities of that type that have a refrigerator. It is not (for example) an estimate of the proportion of the population that uses a facility that has a refrigerator. The latter would be good to know but I don't think we can estimate it. If you want to re-weight the data by some measure of size, you can certainly do that.

There is a growing literature on effective coverage, which combines SPA data with DHS survey data. DHS has produced several reports on that topic (e.g. Analytical Study 67, <https://www.dhsprogram.com/pubs/pdf/AS67/AS67.pdf>). It may provide a strategy for what you are thinking of.
