

---

Subject: Re: Weighting after de-normalization

Posted by [Bridgette-DHS](#) on Wed, 18 Mar 2015 12:56:42 GMT

[View Forum Message](#) <> [Reply to Message](#)

---

Following is a response from Senior DHS Sampling Specialist, Ruilin Ren:

If you de-normalized the weight properly, you can apply the de-normalized weight in your analysis, either restricted to certain domains or to certain sections of the questionnaire. Define a new variable name for the de-normalized weight in your pooled data set, and then declare that variable as your weight variable.

As for the problem of estimating "totals", here "totals" means estimates of population totals, such as the estimation of "total number of children under 5 years of age who had fever in the last two weeks in a country". Because the sampling weight in the data file is a relative weight without a scale, it is not valid for estimating population totals. While the de-normalized weight provides a weight that can be used for your analysis, the weight produced may be user specific, depending on the de-normalization procedure used, so different users may produce different estimates of the same indicator. Therefore we do not recommend using the de-renormalized weight for estimating population totals. However the scale of the weight has less to no effects on other analyses such as for estimating means, proportions, ratios and rates, and for correlation analysis.