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Subject: Re: Weithted analysis in R

Posted by [Bridgette-DHS](#) on Thu, 15 Aug 2024 14:09:40 GMT

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Following is a response from Senior DHS staff member, Tom Pullum:

The weight of a child in the KR file is the same as the weight of the mother in the IR file. The cases in the KR file are not respondents, but are the births in the past 5 years to the women in the IR file.

If you are rescaling to the number of women in the population, then you are basically rescaling the weights in the IR file, NOT the weights in the KR file

For this survey, the total number of women in the IR file is 15928. The weights in the IR file, v005, are scaled so that their total matches 15928 (with a factor of 1000000).

You want to rescale so that the sum of the weights in the IR file would be 2717666. You do this by multiplying v005 by  $2717666/15928$ .

If you multiply v005 in the KR file by this same ratio, the total will be (approximately) he number of births in the past 5 years to the women in the population. That's what you would want it to be. Note that the KR file includes children who died, as well as children who survived.

Let us know if you still have a problem.

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