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Subject: Weighting at regional level

Posted by [seinkim](#) on Fri, 17 Mar 2023 15:42:38 GMT

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Dear DHS team,

I'm using calendar data of Zambia 2018/2019 and do analysis on contraceptive use. I want to aggregate contraceptive use per month and region, and do the event study. The outcome variable is rate of condom use/pill use/injectables/etc per month at particular region. What I did to produce these outcome variables at that particular month was to aggregate numbers of contraceptive users divided by total women surveyed at that month. In this case, how should I use weighting? Could you give me some advice?

Thank you!

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Subject: Re: Weighting at regional level

Posted by [Bridgette-DHS](#) on Mon, 20 Mar 2023 15:28:53 GMT

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

Are you aggregating with the "collapse" command in Stata? Sometimes I find it convenient to use "collapse" to calculate a weighted numerator and a weighted denominator, bypassing a weight option, and then doing a division in a collapsed file. The following lines suggest a framework:

```
gen unwtdn=1
gen wtdn=v005/1000000

collapse (sum) *wtdn, by()
```

I don't know whether this will apply to your situation. Let us know if you need more detail.

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