
Subject: SPA variables

Posted by [rhythm](#) on Thu, 26 Aug 2021 18:09:25 GMT

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I would like to create some variables using SPA surveys.

*Malawi SPA 2013-14: X ray machine (table 3.7.1)

```
gen wt=facwt/1000000
```

```
gen xm=0
```

```
replace xm=1 if (q881a_1==1 & q881b_1==1) | (q881a_2==1 & q881b_2==1)
```

```
tab xm [iw=wt]
```

With this codes, the % is 6.97, but in the report the % is 5.

*Nepal SPA 2015: Full blood count with differentials (table 3.7.3)

```
gen wt=facwt/1000000
```

```
keep if factype==inrange(factype,1,7) | inrange(factype,12,14)
```

```
gen fblcn=0
```

```
replace fblcn=1 if ((q834==1 & q835==1) | (q802eb_1==1 & q802ec_1==1 & q802eb_2==1 & q802eb_3==1 & q802ec_3==1))
```

```
tab fblcn [iw=wt]
```

With this codes, the % is 73.52, but in the report the % is 66.9.

According to the footnotes, and questionnaire it looks like I am using right variables, but due to some reasons I am not getting the same % as the final report tables.

I would greatly appreciate any help with this matter.

Many thanks

Subject: Re: SPA variables

Posted by [SaraDHS](#) on Mon, 30 Aug 2021 12:24:09 GMT

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Dear rhythm,

For Malawi xray variable, in many countries, one of the criteria for the xray machine variable is that the facility uses xray for TB diagnosis as asked in q1903. If you are trying to calculate this variable for any country, please add that into your coding. If you do this for Malawi, you will get the same % as in the final report.

For Nepal, you are using incorrect variables for your definition of full blood count. Please doublecheck the footnotes in the table, which provide the definition used, as well as the questionnaire with the variables you used to define blood_count. If you recreate the definition with the correct variables, you will get a value within 1% of the final report.

Best,
Sara

Subject: Re: SPA variables

Posted by [rhythm](#) on Tue, 31 Aug 2021 06:09:06 GMT

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Dear Sara,

Thanks a lot for your kindest support and I was able to create the variables.
I wanted to know, for the xray machine variable, the criteria that facility uses xray for TB diagnosis as asked in q1903, will I consider this for Tanzania?

Regards,
Rhythm

Subject: Re: SPA variables

Posted by [SaraDHS](#) on Tue, 31 Aug 2021 13:28:16 GMT

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Dear Rhythm,

The best way is to try both ways and see which matches the final report.

Best,
Sara
