
Subject: Creating two variable
Posted by [rasel](#) on Thu, 26 Aug 2021 13:20:25 GMT
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Dear DHS,

I am working with the 2017/18 Haiti SPA survey and looking to create two variable -sterilization equipment (table A.3.1) and full blood count (table 3.7) using the footnotes and questionnaire. Unfortunately, I am not getting the % of the final report table.

My STATA code is:

```
gen wgt=facwt/1000000
```

```
*Sterilization equipment
```

```
gen steril=0
```

```
replace steril=1 if (q201==1 | q201==2) & ((q501a_03==1 & q501b_03==1) | (q501a_05==1 & q501b_05==1) | (q501a_06==1 & q501a_07==1 & q501b_07==1))
```

```
tab steril [iw=wgt]
```

```
*Full blood count
```

```
gen blcount=0
```

```
replace blcount=1 if ((q834==1 & q835==1) | (q802a_1==1 & q802b_1==1 & q802c_1==1))
```

```
tab blcount [iw=wgt]
```

Do I need to consider anything else? Would it be possible to get the codes of these variables? I would greatly appreciate any help with this matter.

Many thanks

Subject: Re: Creating two variable
Posted by [SaraDHS](#) on Mon, 30 Aug 2021 12:31:01 GMT
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Dear rasel,

Please pay attention to the way variables are named in the dataset. For example here, in your code for full blood count, you are using q802a_1, however, in the Haiti dataset, that variable should be q802a_01. In addition, in Haiti the only criterion for this variable is the hematology analyzer, although this was not included in the footnotes. You can remove the part of your code about the blood chemistry analyser, and you should get the same % as in the final report.

For sterilization, the definition is not clear from the footnotes, so here is the appropriate code:

```
replace steril=1 if (q201==1 | q201==2) & ((q501a_04==1 & q501b_04==1) | (q501a_01==1 & q501b_01==1) | (q501a_02==1 & q501b_02==1 & q501a_07==1 & q501b_07==1))
```

For most countries, if you compare final report table footnotes, the dataset, and the variable names, you should be able to recreate the variables to match the final report %.

Best of luck,
Sara

Subject: Re: Creating two variable
Posted by [rasel](#) on Tue, 31 Aug 2021 06:35:22 GMT
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Dear Sara,

Thanks for your help and I was able to recreate variables.
Now, I want to create the variable regular electricity of table 3.3 in DR Congo SPA 2017-18. I have tried with the following codes:

```
gen sw=facwt/1000000  
gen q343a=regexm(q343, "A")  
gen q343b=regexm(q343, "B")  
gen q343c=regexm(q343, "C")  
gen q343d=regexm(q343, "D")  
gen ect=0  
replace ect=1 if q340==1 & q341==1  
replace ect=1 if (q343a==1 | q343b==1) & q345==1 & q346==1  
replace ect=1 if q343c==1  
replace ect=1 if q343d==1  
tab ect [iw=sw]
```

But unable to match the % with the report table. I wish your help to create this variable.

Regards,
Rasel

Subject: Re: Creating two variable
Posted by [SaraDHS](#) on Tue, 31 Aug 2021 13:26:56 GMT
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Dear rasel,
Please review previous posts before posting a duplicate question. This question has already been posted and responded to here: https://userforum.dhsprogram.com/index.php?t=tree&goto=23316&#page_top

Best,
Sara
