
Subject: Creating some variables

Posted by [shakim](#) on Thu, 29 Feb 2024 09:57:57 GMT

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Dear Sara and SPA experts,

I am working with the 2021/22 Ethiopia SPA survey and looking to create three variable equipment for high level disinfection, sterilization equipment (table 3.5.1) and client latrine (table 3.3) using the footnotes and questionnaire. Unfortunately, I am not getting the % of the final report table.

My STATA code is:

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

```
*Sterilization equipment
```

```
gen ste=0
```

```
replace ste=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))
```

```
tab ste [iw=wt]
```

```
*Equipment for high level disinfection
```

```
gen hilvdis=0
```

```
replace hilvdis=1 if (q201==1 | q201==2) & ((q501a_4==1 & q501b_4==1) | (q501a_5==1 | (q501a_9==1 & inrange(q502g_5,3,5))))
```

```
tab hilvdis [iw=wt]
```

```
*Client latrine
```

```
gen latrine=0
```

```
replace latrine=1 if (q620==11|q620==12)&(q620==21)|(q620==22|q620==31)
```

```
label var latrine "client latrine"
```

```
tab latrine [iw=wt],m
```

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 some variables

Posted by [SaraDHS](#) on Sat, 09 Mar 2024 11:38:30 GMT

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Hello,

You were getting close, but some of the conditional statements were slightly off. I have added the correct code below and commented out your earlier code.

Best,

Sara

```
*Sterilization equipment
```

```

gen ste=0
replace ste=1 if (q201==1 | q201==2) & ((q501a_03==1 & q501b_03==1) | (q501a_01==1 &
q501b_01==1) | (q501a_02==1 & q501b_02==1 & q501a_06==1 & q501b_06==1))
tab ste [iw=wt]

/*gen ste=0
replace ste=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))
tab ste [iw=wt]
*/

*Equipment for high level disinfection
gen hilvdis=0
replace hilvdis=1 if (q201==1 | q201==2) & ((q501a_04==1 & q501b_04==1) | (q501a_05==1 &
q501a_06==1 & q501b_06==1) | (q501a_09==1 & (regexm(q502g_5,"C") | regexm(q502g_5,"D") |
regexm(q502g_5,"E") | regexm(q502g_5,"F"))))
tab hilvdis [iw=wt]

/*gen hilvdis=0
replace hilvdis=1 if (q201==1 | q201==2) & ((q501a_4==1 & q501b_4==1) | (q501a_5==1) |
(q501a_9==1 & inrange(q502g_5,3,5)))
tab hilvdis [iw=wt]
*/

*Client latrine
gen latrine=0
*replace latrine=1 if (q620==11|q620==12)&(q620==21)|(q620==22|q620==31)
replace latrine=1 if q620==11 | q620==12 | q620==13 | q620==14 | q620==15 | q620==21 |
q620==22 | q620==31
label var latrine "client latrine"
tab latrine [iw=wt],m

```
