

Hi,

I am trying to replicate % of children who received ORS among children who had diarrhea in the past 15 days from the Nigeria 2013 data. I am using SAS for my analysis. For country, region and urban/rural I get the correct point estimates and standard error only when I ignore the strata command in SAS and use only clusters. I know that the data was first stratified by state and then urban/rural, is it okay to ignore stratification while constructing confidence intervals? would this change if I wanted confidence intervals for each state? I would really appreciate any insight into this! am I missing something about the study/sample design?

Please find the code that gives me the correct answer below, adding the strata command in proc survey freq(strata = v022) to this I get the wrong answer-

```
/*creating variable for having been given ORS*/
```

```
data ors;  
set ors;  
if h13 = 1 or h13 = 2 then ors =1;  
else ors =0;  
run;
```

```
data ors;  
set ors;  
wgt = v005/1000000;  
run;  
/*h11 = 2 when child had diarrhea in the past 15 days, v024 = region*/
```

```
proc surveyfreq  
data = ors;  
where h11 =2 and v024 =5;  
cluster v021;  
weight wgt;  
tables ors;  
run;
```
