Posted by Suzanne Ryan-Ibarra on Mon, 11 Mar 2019 22:11:59 GMT
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Hello,

I'm calculating HIV prevalence among women ages 15-49 years, using the variable HIV03 in the
South Africa 2016 HIV dataset called ZAAR17FL.sas7bdat, which I merged with the individual
recode file called ZAIR71FL.sas7bdat.

My code is below:
proc surveyfreq data=ZA_hiv;
table hiv03/row cl;
cluster v021;
stratum v022;
format hiv03 hiv.;
title 'HIV Prevalence - South Africa DHS 2016';
weight hiv_wgt;
run;

In the SAS output (attached), the sum of weights is 2485, which matches the number in Table
13.3 in the report FR337 available here: https://dhsprogram.com/pubs/pdf/FR337/FR337.pdf.
However, I am concerned that the prevalence estimates calculated using my code above for
women 15-49 who are HIV positive are 27.7%, and these do not match exactly the prevalence
reported in the FR337 report, which is 27.3%.

Can anyone please advise on next steps to troubleshoot?

Thanks!

File Attachments
1) ZA_output.rtf, downloaded 547 times