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Subject: South Africa 2016 - HIV prevalence

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!

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### File Attachments

1) [ZA\\_output.rtf](#), downloaded 320 times

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