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Subject: Replicating HIV testing coverage rates  
Posted by [kh8v07](#) on Mon, 14 Oct 2013 20:35:52 GMT  
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I am interested in the levels of HIV testing response/coverage for men and women at the regional level within countries in sub-Saharan Africa. However so far I have had problems replicating the results displayed in the country reports. I am using SPSS.

The DHS recode manual suggests that the variables I need for this when looking at individual women are v473a or v473b. I also believe that the data should not be weighted, either with the HIV sample weight 'HIV05' or the individual sample weight 'v005'. I am not sure where I am going wrong. Do I need to recode the HIV related variables in some way? Or is it because incomplete interviews have been dropped from the file? The recode manual says that for the result of the individual interview (v015) in flat format data files cases with a result code different than 1 (i.e. incomplete interviews) are dropped from the file. If they have been dropped, am I still able to compute response/coverage rates?

Thanks in advance for any help.

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Subject: Re: Replicating HIV testing coverage rates  
Posted by [Liz-DHS](#) on Wed, 30 Oct 2013 20:16:02 GMT  
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Dear User,

I am not a programmer but was looking at the standard tables and it looks as though the variables used are:

Row Variables

HV025 Type of place of residence

HV024 Region

A Total variable for the 15-49 age group (if you're looking at women)

Column Variables

HIVRES1 recodes HA63

HIVRes2 recodes HA65

sex variable

HA63 is the result of measurement

HA65 is result of woman interview

Here is some of the CSPro code which may help you.

They are used as follows:

```
{ tabulate women for tables 14.1 & 14.2    }  
{ as they are based on all eligible women  }  
isex = 1;  
tot1549 = 0;  
for i in RECH5_EDT do  
  box HA63 => hivres1;  
  1 => 1;    { blood taken }
```

```

3 => 2;    { refused }
2 => 3;    { not present }
=> 4;     { 4-not tested/5-inconclusive/6-other/missing }
endbox;

{ if blood taken check if test was successful }
samptake = 0;
if HA63 = 1 then
  { load test data for women and modify hivres1 accordingly }
  xline = edit("ZZ9",HA0);
  samptake = loadcase( HIVTESTDAT, HV001, HV002, xline );
  if samptake then
    if !HIV03 in 0:7 then
      hivres1 = 4; { test was performed but protocol didn't reach the end }
      samptake = 0; { not enough blood will not be included in the denominator }
    endif;
  else
    hivres1 = 4; { blood taken but sample not on data file }
  endif;
endif;

if HV103(HA0) = 1 then { de-facto population }
  box HA65 => hivres2; { result of individual interview }
  1 => 1; { complete }
  => 2; { other }
endbox;
v106w = HA66; { education from individual interview }
if HA66 in 8,missing then v106w = 9 endif;
hivage = int( HA1/5 ) - 2; { age in five years }

xtab( t1401 );

```

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Subject: Re: Replicating HIV testing coverage rates  
 Posted by [kh8v07](#) on Tue, 26 Nov 2013 17:54:41 GMT  
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Ah, thank you! I was looking at the male and female recode files (merged with the HIV file) separately. This is quite confusing as the HIV variables appear to give the required information for each file. However the variables you have mentioned (HA63 and HA65) are obviously household variables, so I will use these instead! Thanks for your help.

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