Subject: HIV Testing: MWAR7ADT data
Posted by martynas on Fri, 30 Mar 2018 00:28:26 GMT
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Hello everyone.

Recently I started looking into MWAR7ADT data for HIV testing. However, I cannot find the full definitions of variables: hivclust, hivnumb, hivline, hiv01, hiv02, hiv03, hiv05, hiv06, hiv07 and hiv08. I was not able to find such variable names in Standard Recode Manual For DHS 6 . Could anyone provide me a source (or explain) about definitions and possible values of these variables? The help would be very much appreciated.

Subject: Re: HIV Testing: MWAR7ADT data
Posted by bsheng99 on Tue, 03 Apr 2018 02:20:08 GMT
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I tried to match the extracted data with the 2015-2016 Malawi DHS (Table 14.3), but failed.

I did match the total number of men (7041) and corresponding prevalence. However, the age breakdowns did not match. Which age variable(s) should I use to match the DHS report?

Also, why does the total number of women in the data (8084) not match the number in Table 14.3 (7736)?

Subject: Re: HIV Testing: MWAR7ADT data
Posted by Liz-DHS on Thu, 03 May 2018 18:17:00 GMT
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Dear User,
A response from senior data processing expert:
Quote:
For women we start with the individual recode file and select only women with a complete interview (V015 = 1)
We then try to find the woman in the HIV data file and exclude women without a valid HIV results (samptake = 0) and for those where the result was indeterminant (HIV03 = 8) (see below).
We use the HIV weights and the age for women is based on V013.

```
if V015 <> 1 then skip case endif;

{ load HIV testing data  for woman }
testdatid = concat( edit("ZZZZZZZ9",V001), edit("ZZZ9",V002), edit("ZZ9",V003) );
samptake = loadcase( HIVTESTDAT, testdatid );
```

```
 { exclude if no test data found or if test was indeterminant }
 If not samptake or not HIV03 in 0:7,9 then
   skip case;
 endif;

 rweight = HIV05 / 1000000;

 { woman's age }
 hivage   = V013;

 xtab( t1403, rweight );
```

For men we loop through RECHMA and we first establish whether a valid test result is available. We check whether the man is a de-facto resident and then try to find the man in the male recode file (matched by HB0)
We then select only the men with a valid test result and use the HIV weights (see below)

```
 { tabulate all tables for men }
 isex = 2;
 for i in RECHMA_EDT do

   { if blood taken check if test was successful }
   samptake = 0;
   if HB63 = 1 then
     { load test data for men and modify hivres1 accordingly }
     xline = edit("ZZ9",HB0);

     testdatid = concat( edit("ZZZZZZZ9",HV001), edit("ZZZ9",HV002), edit("ZZ9",HB0) );   {
Guillermo }

     samptake = loadcase( HIVTESTDAT, testdatid );

     if samptake then
       if not HIV03 in 0:7,9 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(HB0) = 1 then                  { de-facto population }
     { load male questionnaire }
     maleid = concat( HHID, edit("ZZ9",HB0) );
     if loadcase( MRECODE7, maleid ) & MV015 = 1 then
```

```
        { age in five years }
         hivage   = MV013;

        { exclude if no test data found or if test was indeterminate }
        if samptake then

         rweight = HIV05 / 1000000;          { in HIV file }

          xtab( t1403, rweight );

     endif;
 endif;

enddo;
```

I hope that this will help in generating the right numbers.

Thanks,

Bert