
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("ZZZZZZ9",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