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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;
endif;
enddo;

```

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

Thanks,

Bert