
Subject: Re: Please help! DHS Malawi youth-specific
Posted by [Liz-DHS](#) on Thu, 17 Apr 2014 18:00:04 GMT
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Dear User,

Malawi 2010 P49 Table 4.6

I am not a programmer but here is some of the CSPro code for this table "Age at 1st Birth". It may help in figuring things out.

```
crosstab float(1) T406 v013w+age20t+age25t agebirth+nobirth+nummed
  exclude(specval, rowzero, colzero, totals, percents)
{+US}
  title( "Table 4.6 Age at first birth", " ",
    "Percentage of women age 15-49 who gave birth by exact ages, percentage who",
    "have never given birth, and median age at first birth, according",
    "to current age, Malawi 2010" )
  stub( "Current age" );
{US+}
```

Note:

The row variables are:

v013w - age - Value labels 1 15-19, 2 20-24, 3 25-29, 4 30-34, 5 35-39, 6 40-44, 7 45-49, 8 50-54, 9 55-59

age20 - age - Women Age - Value labels 1 20-49

age25t Value labels 1 25-49

The column variables are:

agebirth - Percentage who gave birth by exact age - Value labels 1 15, 2 18, 3 20, 4 22, 5 25

nobirth - Percentage who have never given birth - Value labels 1 Percentage who have never given birth

nummed - Value labels - 1 number of women, 2 median age at 1st birth

```
{ Table 4.6 processing }
```

```
jtot = tblcol( t406 ) - 1;
```

```
jmax = jtot - 1;
```

```
do j = 0 while j <= jmax by 1
```

```
  t406[* ,j] = t406[* ,j] * 100 / t406[* ,jtot];
```

```
  if j > 0 & j < jmax then          { to have births by exact ages }
```

```
    t406[* ,j] = t406[* ,j] + t406[* ,j-1]; { it's necessary to accumulate }
```

```
  endif;
```

```
enddo;
```

```
t406[0,1:jmax-1] = default;          { default row for women 15-19 }
```

```
t406[1,3:jmax-1] = default;          { default row for women 20-24 }
```

```
t406[* ,jtot+1] = tblmed( column t406w[* ,0:maxage] intervals(highest default) );
```

```
itot = tblrow( t406 );
```

```
t406[jtot-1,3:jmax-1] = default;     { default row for women 20-49 }
```

```
do i = 0 while i <= itot by 1
```

```
  maxval = (i+3) * 5;
```

```
  if i = itot then          { women 25-49 }
```

```
    maxval = 25
```

```

elseif i = itot - 1 then { women 20-49 }
  maxval = 20
endif;
if t406(i,jtot+1) < 0 | t406(i,jtot+1) >= maxval then
  t406(i,jtot+1) = default
endif;
enddo;

```

```

{ ----- }
{ table 4.6 }

```

```

box V212 => agebirth;
  <15 => 1;
  15-17 => 2;
  18-19 => 3;
  20-21 => 4;
  22-24 => 5;
  => notappl;
endbox;
nobirth = ( V201 = 0 );
t = xtab( t406, rweight );
if emsample then
  agebirth = notappl;
  nobirth = 1;
  t = xtab( t406, singwgt*rweight );
endif;
agedmed = V212;
if V201 = 0 | agedmed > maxage then agedmed = maxage endif;
t = xtab( t406w, rweight );
if emsample then
  agedmed = maxage;
  t = xtab( t406w, singwgt*rweight );
endif;

```

P76, Table 6.3 Age at 1st marriage

```

crosstab float(1) t603 v013w+age20t+age25t+age20tm+age25tm
          colt603+nevmarr+numbmed1 isex
          exclude(rowzero,colzero,percents,totals,specval)
{+US}
  title( "Table 6.3 Age at first marriage", " ",
        "Percentage of women and men age 15-49 who were first married by",
        "specific exact ages and median age at first marriage,",
        "according to current age, Malawi 2010" )
  stub( "Current age" );

```

Row Variables:

v013w - age - Value labels 1 15-19, 2 20-24, 3 25-29, 4 30-34, 5 35-39, 6 40-44, 7 45-49, 8 50-54,

9 55-59

age20 - age - Women Age - Value labels 1 20-49

age25t Value labels 1 25-49

Age20tm - value label 1 20-54

age25tm - value label 1 25-54

Column Variables:

Colt603

nevmarr value labels 1 Percentage never married

numbmed1 value labels 1 Number, 2 median age at first marriage

Layer variables:

isex value labels 1 Female, 2 Men

```
{ Table 6.3 processing }
```

```
jtot = tblcol( t603 ) - 1;
```

```
jmax = jtot - 1;
```

```
itot = tblrow( t603 );
```

```
do k = 0 while k <= 1 by 1 { for each sex }
```

```
do j = 0 while j <= jmax by 1
```

```
  t603[* ,j,k] = t603[* ,j,k] * 100 / t603[* ,jtot,k];
```

```
  if j > 0 & j < jmax then { to be married by exact age }
```

```
    t603[* ,j,k] = t603[* ,j,k] + t603[* ,j-1,k]; { it's necessary to accumulate }
```

```
  endif;
```

```
enddo;
```

```
t603[0, 1:jmax-1,k] = default; { default for age 15-19 }
```

```
t603[1, 3:jmax-1,k] = default; { default for age 20-24 }
```

```
temp = tblrow( t603, age20t );
```

```
t603[temp,3:jmax-1,k] = default; { default for age 20-49 }
```

```
temp = tblrow( t603, age20tm );
```

```
t603[temp,3:jmax-1,k] = default; { default for age 20-49, for men }
```

```
t603[* ,jtot+1,k] = tblmed( column t603w[* ,0:maxage,k] intervals(highest default) );
```

```
{ check censoring }
```

```
do i = 0 while i <= itot by 1
```

```
  maxval = (i+3) * 5;
```

```
  temp = itot - i; { last four rows need special treatment }
```

```
  if temp in 0,2 then { men 25-59 and men/women 25-49 }
```

```
    maxval = 25
```

```
  elseif temp in 1,3 then { men 20-59 and men/women 20-49 }
```

```
    maxval = 20
```

```
  endif;
```

```
  if t603(i,jtot+1,k) < 0 | t603(i,jtot+1,k) >= maxval then
```

```
    t603(i,jtot+1,k) = default;
```

```
  endif;
```

```
enddo;
```

```
enddo;
```

```
{ ----- }
```

```
{ table 6.3 women }
```

```

{ assign notappl to men variables }
age20tm = notappl;
age20m = notappl;
age25tm = notappl;
age25m = notappl;

{ now age for women }
age20t = ( V012 >= 20 );
age20 = age20t;
age25t = ( V012 >= 25 );
age25 = age25t;
age15 = ( V012 in 15:24 );
box V511 => colt603;
    <15 => 1;
    15-17 => 2;
    18-19 => 3;
    20-21 => 4;
    22-24 => 5;
    => notappl;
endbox;
if V501 = missing then colt603 = notappl endif;
nevmarr = ( V501 = 0 );
t = xtab( t603, rweight );
if emsample then
    colt603 = notappl;
    nevmarr = 1;
    t = xtab( t603, rweight*singwgt );
endif;
agemed = V511;
if V511 = notappl | V511 > maxage then agemed = maxage endif;
t = xtab( t603w, rweight );
if emsample then
    xagemed = agemed;
    agemed = maxage;
    t = xtab( t603w, rweight*singwgt );
    agemed = xagemed;
endif;

{ ----- }

```

{table 6.3 Men}

```

box MV511 => colt603;
    <15 => 1;
    15-17 => 2;
    18-19 => 3;
    20-21 => 4;

```

```
22-24 => 5;
    => notappl;
endbox;
if MV501 = missing then colt603 = notappl endif;
nevmarr = ( MV501 = 0 );
t = xtab( t603, rweight );
agedmed = MV511;
if MV511 = notappl | MV511 > maxage then agedmed = maxage endif;
t = xtab( t603w, rweight )
```
