
Subject: Kenya 2014 Table 13.19

Posted by [cmergenthaler](#) on Fri, 06 Jan 2017 09:58:10 GMT

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Dear DHS experts,

I am trying to match a value presented in Kenya's 2014 final DHS report table 13.19, specifically the % of women 15-19 and 20-24 who used a condom at last sexual intercourse (also unmarried and had sex within past 12 months). My Stata syntax yields weighted proportions which are slightly off from those which are presented.

```
tab v761 if (v529 >=0 | v529 <= 12) & v535 == 0 & v013 == 1 [iweight = v005/1000000]
```

```
condom used |
during last |
sex with |
most recent |
partner |   Freq.   Percent   Cum.
-----+-----
no | 177.935511   44.03   44.03
yes | 226.186149   55.97   100.00
-----+-----
Total | 404.12166   100.00
```

55.97 should be 55.6 according to the table.

```
tab v761 if (v529 >=0 | v529 <= 12) & v535 == 0 & v013 == 2 [iweight = v005/1000000]
```

```
condom used |
during last |
sex with |
most recent |
partner |   Freq.   Percent   Cum.
-----+-----
no | 171.948023   34.77   34.77
yes | 322.565111   65.23   100.00
-----+-----
Total | 494.513134   100.00
```

65.23 should be 64.8 according to the table.

I'm appreciative for your support, as I'm unsure why I'm not able to match these proportions exactly!

Kind regards,

Christina Mergenthaler

Subject: Re: Kenya 2014 Table 13.19

Posted by [Bridgette-DHS](#) on Mon, 09 Jan 2017 13:51:08 GMT

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Following is a response from DHS Senior Research Associate, Shireen Assaf:

We tried to match the table but are still off by 0.1% and 2 cases for the condom use estimate. However, we matched the estimate and denominator for sex in the last 12 months. To match the denominator for sex in the last 12 months you must merge with the PR file. For these questions the long questionnaire was used.

We will ask the Data Processing staff about the remaining discrepancy, but cannot give you any guarantee that this will be completely resolved. We recommend that you proceed with just the modifications given here.

use KEPR70FL.dta, clear

*** Renaming the unique identifiers****

```
rename hv001 v001
```

```
rename hv002 v002
```

```
rename hvidx v003
```

sorting the variables**

```
sort v001 v002 v003
```

```
keep v001 v002 v003 hv027
```

```
save temp.dta, replace
```

use KEIR70FL.dta, clear

```
sort v001 v002 v003
```

```
merge v001 v002 v003 using temp.dta
```

```
tab _merge
```

```
keep if _merge==3
```

***selected for men's questionnaire / long questionnaire

```
keep if hv027 == 1
```

```
*****
```

```
gen wt= v005/1000000
```

```
gen sex12m=0
```

```
replace sex12m=1 if v527>=100 & v527<=311
```

```
label define yesno 0 No 1 Yes
```

```
label values sex12m yesno
```

```
label var sex12m "sex in the last 12 months"
```

ta sex12m if v501==0 & v013<3 [iw=wt]

* matches percentage of those who had sex in the last 12 months.

ta sex12m v013 if v501==0 & v013<3 [iw=wt], col

gen conduse=0 if sex12m==1 & v501==0 & v013<3

replace conduse=1 if v761==1 & v501==0 & v013<3

* off by 0.1 % and 2 cases

ta conduse v013 [iw=wt], col

Subject: Re: Kenya 2014 Table 13.19

Posted by [Bridgette-DHS](#) on Fri, 27 Jan 2017 12:06:06 GMT

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Here's a follow up response from Tom Pullum:

A couple of people here at DHS have tried to get an exact match using Stata and still get a discrepancy of about 0.1%. An SPSS translation of the original CPro program DOES give a match. There may be one or two cases with illegal codes that are being handled in different ways by CPro and SPSS. We cannot spend more time trying to uncover the source of the discrepancy. Sorry about that. Fortunately, the discrepancy is very small and would not affect any interpretations. Here are comments from two DHS experts.

First, from Ladys Ortiz Parra:

I ran table 13.19 in SPSS and got the same number as in the report. The only problem that I can see is that there are 5 cases in the dominator that are not applicable in v761 = use of condom during last sex. This is because there are 3 cases of women that have sex last 12 months (v527) and V761 is missing. There are 2 more cases where v527 = 400 that were classified as sex in the last 12 months but V761 = NA. In the report those 5 cases are included in the denominator. I think the user is excluding those 5 cases and that is why her numbers are higher.

Next, from Shireen Assaf:

We tried to match the table but are still off by 0.1% and 2 cases for the condom use estimate. However, we matched the estimate and denominator for sex in the last 12 months. To match the denominator for sex in the last 12 months you must merge with the PR file. For these questions the long questionnaire was used. We recommend that you proceed with just the modifications given here.

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save temp.dta, replace
```

```
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merge v001 v002 v003 using temp.dta
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tab _merge
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```

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```

```
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ta conduse v013 [iw=wt], col
```