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Subject: Unable to reproduce results of age at first marriage table

Posted by [LaissezPasser](#) on Wed, 23 Mar 2016 19:03:23 GMT

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I'm unable to replicate the results of the 2009 Maldives DHS for age at first marriage (as appear in Table 6.2 (pg.67), below), and I can't figure out why. Specifically, I'm concerned with the cohort of 20-24 year-old women, and the proportion married before the age of 15 and before 18 -- one of the new, finally adopted SDG indicators (5.3.1). Here's the table as it appears in the final report:

According to Table 6.2, the proportion of women 20-24 years old who married before 18yo is 3.9 percent, based on a sample of 2,161. However, the figures I'm getting are significantly higher when I run my own crosstabs (using MVIR51FL.sav): 6.7 percent, with a SE of 0.8 percent. (And when I run the same crosstab separately on the BR, KR, and CR recode files, the results are even higher.)

I have already made sure to account for the two-stage cluster design by carefully applying the complex stratified weighting procedure outlined in this video. Here's the output (also attached):

Note that the n size of the 20-24 cohort is 1,267; this isn't too far from the unadjusted figure (1,381), but it's a long way to the 2,161 women listed in Table 6.2 as comprising the 20-24 cohort. (NOTE: If I were to combine the IR, BR, KR, and CR files, I'd get 2,555 women (unadjusted) in the 20-24 year old cohort. Is this what I should be doing in order to reproduce the published results?)

Here's the SPSS syntax I used to generate this output (also attached):

```
DATASET ACTIVATE MVIR51FL.
```

```
*compute weight variable*.
```

```
compute WGT = (V005/1000000).
```

```
EXECUTE.
```

```
*create binary categorical for age at first marriage <18yo*.
```

```
RECODE v511 (0 thru 17=1) (ELSE=0) INTO childbride.
```

```
EXECUTE.
```

```
* Analysis Preparation Wizard.
```

```
CSPLAN ANALYSIS
```

```
  /PLAN FILE='/Users/UNFPA/r/09MDHS.csaplan'
```

```
  /PLANVARS ANALYSISWEIGHT=WGT
```

```
  /SRSESTIMATOR TYPE=WR
```

```
  /PRINT PLAN
```

```
  /DESIGN STRATA=V023 CLUSTER=V021
```

```
  /ESTIMATOR TYPE=WR.
```

```
*Crosstab 5-year age cohorts with variable for <18yo first marriage*.
```

```
* Complex Samples Crosstabs.
```

```
CSTABULATE
```

```
  /PLAN FILE='/Users/UNFPA/r/09MDHS.csaplan'
```

```
  /TABLES VARIABLES=V013 BY childbride
```

```
  /CELLS POPSIZE ROWPCT
```

```
  /STATISTICS SE CIN(95)
```

```
  /MISSING SCOPE=TABLE CLASSMISSING=EXCLUDE.
```

\*and just for kicks, let's run it unweighted".

```
DATASET ACTIVATE MVIR51FL.
```

```
CROSSTABS
```

```
  /TABLES=v013 BY childbride
```

```
  /FORMAT=AVALUE TABLES
```

```
  /CELLS=COUNT row
```

```
  /COUNT ROUND CELL.
```

Thanks in advance for your help.

### File Attachments

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1) [childbride.sps](#), downloaded 471 times

2) [SDG\\_indicator\\_5.3.1.spv](#), downloaded 602 times

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