
Subject: Re: Using svy: tab

Posted by [lexgw](#) on Sun, 08 Nov 2015 21:28:19 GMT

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Hello,

In connection to the question I asked previously, I am able to replicate DHS 2011 statistics on child health for Uganda. But this is only when it is a one way tabulation (just one variable). When I make a two-way tabulation (with two variables) I do not replicate DHS statistics. I need help. For example, I generated an ARI variable when I tab it I get correct results but when I tab it with v024 (region), I do not get the figures in table 10.5 DHS report 2011 for Uganda page 129. This is what I get;

I generate ARI variable only for live children only (b5==1)

```
. gen ari=0 if b5==1
```

(1299 missing values generated)

```
. *ARI is defined as children with a cough with short rapid breaths (h31b==1) or/and congestion in the chest/blocked or runny nose
```

```
> (h31c==1 | h31c==3)*/
```

```
. replace ari=1 if b5==1 & h31b==1 & (h31c==1 | h31c==3)/ *1 is for chest only 3 is for both chest & blocked nose*/
```

(2156 real changes made)

```
. svy: tab ari if survey==1
```

(running tabulate on estimation sample)

Number of strata	=	19	Number of obs	=	7355
Number of PSUs	=	404	Population size	=	7535.3926
		Design df	=	385	

```
-----
ari | proportions
-----+-----
  0 |   .8516
  1 |   .1484
    |
Total |      1
-----
```

Key: proportions = cell proportions

This seems fine because the report is talking about 15% of children with symptoms of ARI. but for the two I can replicate eg;

```
svy: tab v024 ari if survey==1
```

(running tabulate on estimation sample)

Number of strata	=	19	Number of obs	=	7355
Number of PSUs	=	404	Population size	=	7535.3926
		Design df	=	385	

region	ari		Total
	0	1	
-----+-----			
kampala	.0533	.0086	.062
central	.0894	.0092	.0987
central	.0928	.0125	.1054
east cen	.096	.0171	.1131
eastern	.1419	.0284	.1704
north	.0691	.0196	.0887
karamoja	.0298	.0075	.0373
west-nil	.0509	.0083	.0592
western	.1211	.0244	.1454
southwes	.1072	.0127	.1199
Total	.8516	.1484	1

Key: cell proportions

Pearson:

Uncorrected chi2(9) = 75.4301

Design-based F(7.78, 2996.03)= 3.4660 P = 0.0006

This is different from what is in table 10.5 page 129

svy: tab v106 ari if survey==1

(running tabulate on estimation sample)

Number of strata	=	19	Number of obs	=	7355
Number of PSUs	=	404	Population size	=	7535.3926
		Design df	=	385	

education	ari		Total
al level	0	1	
-----+-----			
no educa	.1219	.0216	.1435
primary	.5357	.1002	.6359
secondar	.1627	.0222	.1849
higher	.0312	.0044	.0356
Total	.8516	.1484	1

Key: cell proportions

Still different!! need help. thanks