
Subject: Re: incorrect stunting rates

Posted by [Nicholus Tint Zaw](#) on Sun, 11 Mar 2018 15:38:08 GMT

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H, I am Nicholus from Myanmar and I am also experiencing same issued as margovg did before.

I am now working on child nutrition status data analysis and used KR at first and use following stat code to identify the mean HAZ score and stunting rate of children. But my result was quite different in term of denominator with the number from DHS Myanmar report. (4,213 in my analysis and 4,089 in DHS report)

```
[global
```

```
global kr_child D:\SPA SCI\Technical Knowledge\GOVERNMENT INFO\DHS
```

```
2015-16\dataset\MM_2015-16_DHS_05022017_255_106315\mmkr71dt\ MMKR71FL.dta
```

```
global pr_person D:\SPA SCI\Technical Knowledge\GOVERNMENT INFO\DHS
```

```
2015-16\dataset\MM_2015-16_DHS_05022017_255_106315\mmpr71dt\ MMPR71FL.dta
```

```
*-----
```

```
use "${kr_child}", clear
```

```
** Calculate Stunting Rate **
```

```
** Use DHS HAZ Variable **
```

```
tab hw70, m
```

```
gen haz_dhs_revised = hw70
```

```
replace haz_dhs_revised = .n if hw70 >= 9996
```

```
replace haz_dhs_revised = hw70/100 if !mi(haz_dhs_revised)
```

```
tab haz_dhs_revised, m
```

```
gen stunt = (haz_dhs_revised < -2)
```

```
replace stunt = .n if mi(haz_dhs_revised )
```

```
tab stunt, m
```

```
** Construct WEIGHT var using Women Individual Sample Weight **
```

```
gen wgt = v005/1000000
```

```
tab wgt, m
```

```
lookfor sampling // search for samping unit var
```

```
** Generate Stunting Rate & HAZ Mean Score by Weighted Data **
```

```
svyset, clear
```

```
svyset [pw = wgt], psu(v021) strata (v022)
```

```
svy: mean haz_dhs_revised stunt
```

```
svyset, clear][code]
```

Then, when I found this post in user forum, I revised my code and dataset usage with PR file (as follow). But, still got the different figure compare with DHS report and this time the denominator discrepancy became more larger as my analysis figure become 4,640.

```
[code][clear
```

```
use "${pr_person}", clear
```

```
** Check with DHS Calculated HAZ Variable **
```

```
tab hc70, m
```

```
gen haz_dhs_revised = hc70
```

```
replace haz_dhs_revised = .n if hc70 >= 9996
```

```
replace haz_dhs_revised = hc70/100 if !mi(haz_dhs_revised)
```

```
replace haz_dhs_revised = .n if hv103 != 1
```

```
tab haz_dhs_revised, m
```

```
tab hv103, m // should be 1
```

```
** Construct WEIGHT var using Women Individual Sample Weight **
```

```
gen wgt = hv005/1000000
```

```
tab wgt, m
```

```
lookfor sampling // search for sampling unit var
```

```
gen stunt = (haz_dhs_revised < -2 & hv103 == 1)
```

```
replace stunt = .n if hv103 != 1 | mi(haz_dhs_revised)
```

```
tab stunt, m
```

```
svyset, clear
```

```
svyset [pw = wgt], psu(hv021) strata (hv022)
```

```
svy: mean haz_dhs_revised stunt
```

```
svyset, clear
```

```
]
```

So, I was wondering there is anyone who can review my code and provide guidance to fix this issue. Thanks in advance.

Best regards,
Nicholus
