
Subject: Re: Discrepancy in stunting, wasting, underweight prevalence for Nepal DHS 2001

Posted by [dgodha](#) on Fri, 24 Nov 2017 08:51:38 GMT

[View Forum Message](#) <> [Reply to Message](#)

Hello,

I decided to try the Stata command 'zscore06' to get the aforementioned estimates. But here again, my estimates are not matching those in the DHS reports.

I understand that some discrepancy may be observed in case of DHS 2001 because the standards used would have been different but the same does not apply to the others. In case of Nepal 2016, the proportions are matching but not the frequencies while for the rest of the years (2011, 2006, and 2001) even the proportions are off by decimals or even the last digit. My commands are shown below:

* Calculate measurement date in days

```
gen mdate = mdy(hc18, hc17, hc19)
```

* Calculate birth date in days

```
gen bdate = mdy(hc30, hc16, hc31) if hc16 <= 31
```

```
replace bdate = mdy(hc30, 15, hc31) if hc16 > 31
```

* Calculate age in months with days expressed as decimals.

```
gen age = (mdate-bdate)/30.4375
```

//hw3 is height, clean DHS code and converts to cm

```
gen newh=hc3/10 if hc3!=9999
```

//hw3 is height in kg to one decimal w/o the decimal; convert to kg w/decimal; clean DHS code and

```
gen neww=hc2/10 if hc2!=999
```

* Compute Z-scores (In case of Nepal 2011 DHS, replace hc15=. if hc15==0)

```
zscore06, a(age) s(hc27) h(newh) w(neww) measure(hc15) male(1) female(2)
```

*Declaring Survey data

```
gen wt=hv005/1000000
```

```
svyset hv001 [pweight=wt], strata(hv022) vce(linearized) singleunit(missing) || hv002
```

*Completeness of information

```
gen info=0
```

```
replace info=1 if hc33~.=.
```

*Stunting

```
gen stunting=0 if hv103==1
```

```
replace stunting=. if haz06>=6
```

```
replace stunting=1 if haz06<-2 & hv103==1
```

*Check with DHS report

```
svy:tab stunting if info==1
```

*Underweight

gen underwt=0 if hv103==1

replace underwt=. if waz06>=6

replace underwt=1 if waz06<-2 & hv103==1

*Check with DHS report

svy:tab underwt if info==1

*Wasting

gen wasting=0 if hv103==1

replace wasting=. if whz06>=6

replace wasting=1 if whz06<-2 & hv103==1

*Check with DHS report

svy:tab wasting if info==1

I will appreciate advice on where I am going wrong or why the estimates do not match.

Thanks

Deepali
