
Subject: Estimates on birth registration do not match for wealth index

Posted by [dgodha](#) on Fri, 28 Apr 2017 10:25:45 GMT

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Hello,

I have been trying to replicate the birth registration estimates dis-aggregated by area, sex, division/region, and wealth index. My commands are pasted below:

```
/*BDPR70FL.DTA used*/
```

```
gen bc = .
```

```
replace bc = 0 if inrange(hv105,0,4)& hv102==1
```

```
recode bc (0=1) if inrange(hv140,1,2)
```

```
/*Set data for survey weighting*/
```

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

```
/*Generating weights*/
```

```
svyset [pw=wt], psu(hv021) strata(hv025)
```

```
tabout hv025 hv104 hv270 hv024 bc using t4.txt if hv105<5,cells (row ) ci2col format(2) clab  
(Row_% ) percent npos(row) lay(col) svy ptotal(single) replace
```

All my estimates match those in Table 2.12 on Page 20 of the DHS 2014 Report except for those for wealth index. The percents as well as the frequency match exactly for all other dis-aggregations. My output for wealth index is pasted below along with estimates from the DHS report.

My calculations DHS 2014 Report

WI	%	Count	%	Count
----	---	-------	---	-------

Poorest	15.26	1737	15.4	1652
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Poorer	18.88	1493	18.7	1442
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Middle	17.53	1490	17.5	1404
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Richer	21.15	1568	20.4	1583
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Richest	28.61	1511	28.0	1717
---------	-------	------	------	------

Total	20.16	7798	20.2	7798
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I will appreciate any insight into my error and how to fix it.

Thanks

D Godha

Subject: Re: Estimates on birth registration do not match for wealth index

Posted by [Trevor-DHS](#) on Mon, 01 May 2017 14:56:02 GMT

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Thanks for pointing this out. Due to late changes related to the wealth index, there are some tables in this report that used a prior version of the wealth index, and not the final one. We will be correcting these estimates for the wealth index. Your calculations are correct.

Subject: Re: Estimates on birth registration do not match for wealth index

Posted by [dgodha](#) on Mon, 01 May 2017 19:10:54 GMT

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Thanks Trevor.

Subject: Re: Estimates on birth registration do not match for wealth index

Posted by [ronaldmusi](#) on Fri, 05 Jun 2020 15:17:54 GMT

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Im also trying to reproduce Table 2.1 0 Birth registration of children under age 5 for Zimbabwe DHS 2015. My figures are not the same with those in the report. Below is my code

```
use "ZWPR72FL.DTA"
```

```
/*Set data for survey weighting*/  
gen wt=hv005/1000000
```

```
/*Generating weights*/  
svyset [pw=wt], psu(hv021) strata(hv025)
```

```
recode hv140 (0=0) (1/2=1) (else = .) if hv102==1, gen(birthreg)  
label var birthreg " birth registered "  
ta birthreg
```

Subject: Re: Estimates on birth registration do not match for wealth index

Posted by [Trevor-DHS](#) on Fri, 05 Jun 2020 15:48:34 GMT

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You have two problems with your code:

1) In your recoding of hv140 you are dropping a number of cases. To match DHS results use the following. This recodes "don't know" and missing responses to 0, but restricts the recoding just to children age 0-4

```
recode hv140 (0=0) (1/2=1) (else = 0) if hv102==1 & hv105<5, gen(birthreg)
```

2) You are tabulating the data unweighted. To match the results you must tabulate the data using

the weights.
svy: tab birthreg

Subject: Re: Estimates on birth registration do not match for wealth index
Posted by [ronaldmusi](#) on Fri, 05 Jun 2020 21:09:09 GMT
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Thank you very much. I got it right now.
