
Subject: Early neonatal mortality variable

Posted by [jahm3675](#) on Thu, 12 Oct 2017 02:00:44 GMT

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Hi DHS experts

I am calculating a variable for early neonatal mortality from pkbr61dt data set from DHS survey 2012-13 of Pakistan.

When I run the following command it tabulates the rates which are matching with the DHS report but the variable that it creates has different rates.

for example:

Stata Command:

```
* create a child Alive or Died variable using the b5 variable
```

```
gen alive=b5
```

```
lab def alive 0 "Died" 1 "Alive"
```

```
lab val alive alive
```

```
lab var alive "Alive or Died by the time of survey"
```

```
*** Age at death using variables b6 and b5
```

```
gen age_death=.
```

```
replace age_death = 0 if b6<=106 & b5==0
```

```
replace age_death = 1 if b6>=107 & b6<=130 & b5==0
```

```
replace age_death = 2 if (b6> 130 & b6<=999) | b5==1
```

```
lab def age_death 0 "Early Neonatal Death" 1 "Late Neonatal Death" 2 "Survived Neonatal Period"
```

```
lab val age_death age_death
```

```
lab var age_death "Neonatal Mortality Status"
```

```
* Set length of calendar to use
```

```
gen callen = v018 + 59
```

```
* If calendar is aligned right (as in original dataset), use the following:
```

```
gen beg = v018
```

```
gen end = callen
```

```
* If calendar is aligned left (as it is in some datasets), use the following:
```

```
*gen beg = 1
```

```
*gen end = 60
```

```
gen wt=v005/1000000
```

```
svyset v021 [pw=wt], strata(v023)
```

```
svy: tab age_death if v008-b3<60, per count form(%7.3g)
```

```
svy: tab age_death if v008-b3<60, per col form(%7.3g)
```

Neonatal |

Mortality Status	count
Early Ne	522
Late Neo	139
Survived	11316
Total	11977

Neonatal Mortality Status	column
Early Ne	4.36
Late Neo	1.16
Survived	94.5
Total	100

Key: column = column percentages

But when I tabulate the new variable it gives following rates:

Neonatal Mortality Status	Freq.	Percent	Cum.
Early Neonatal Death	2,026	4.03	4.03
Late Neonatal Death	558	1.11	5.14
Survived Neonatal Period	47,654	94.86	100.00
Total	50,238	100.00	

Which is for all years. it should give me a variable that already calculates the rates as in the weighted table which is i dont know why a temporary table.

Then I run another command to restrict the rates for six year period:

. keep if b2 >= 2008 & b2 <= 2013

it gives following rates:

Neonatal Mortality Status	Freq.	Percent	Cum.
Early Neonatal Death	445	3.80	3.80

Late Neonatal Death	106	0.90	4.70
Survived Neonatal Period	11,174	95.30	100.00
-----+-----			
Total	11,725	100.00	

I am stuck at this stage to get over it but cant figure out a way. the DHS rate is 522 for the 5 years preceding survey.

When I check the data for year of birth and deaths variable:

Neonatal Mortality	Year of birth													
Status	2000	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013
Early Neonatal Death	92	74	105	105	112	105	133	76	91	99	86	86	80	3
Late Neonatal Death	22	25	12	26	22	12	20	22	23	24	18	21	20	0
Survived Neonatal														
Per	2,232	1,679	2,360	1,947	2,444	2,431	2,402	2,257	2,284	2,361	2,316	2,073	2,095	45
Total	2,346	1,778	2,477	2,078	2,578	2,548	2,555	2,355	2,398	2,484	2,420	2,180	2,195	48

The rate is still 445. Where are 77 cases going? Why the variable created does not have 522 early neonatal deaths?

Will appreciate your help.Thanks