
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 suevey 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

Subject: Re: Early neonatal mortality variable

Posted by [Liz-DHS](#) on Thu, 22 Feb 2018 22:34:57 GMT

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User has sorted out.
