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Subject: Re: malawi

Posted by [mmbah](#) on Mon, 15 Apr 2019 17:06:43 GMT

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Dear Tom Pullum,

Thank you very much for your kind response. I have used the codes below and the logistic regression worked without error. However, the number of stillbirth has reduced from 236 (DHS final report) to 232 and early neonatal deaths as decrease from 378 (DHS final report) to 338 see below codes and cross tabulations. Thus, I am concern if my calculations are correct. My primary outcome interest is perinatal mortality. Secondly, I generated party by recoding the total births entries (v224) to parity 0,1,2,3,4,5+. However, when I cross tabulated early neonatal deaths and parity, parity 0 had zero early neonatal deaths. This looks weird to me and was concern perhaps something is wrong with my analysis. see below and cross tabulations. I look forward hearing from you soon. Your kind response is very highly solicited.

```
gen stillbirths = 0
label variable stillbirths "Stillbirths"
gen births = 0
label variable births "Births in calendar"
gen births2 = 0
label variable births2 "Births in birth history"
```

```
gen earlyneo = 0
label variable earlyneo "Early neonatal deaths"
gen infant_deaths=0
label variable "infant deaths"
gen child_deaths=0
label variable "child deaths"
gen beg = v018
gen end = v018+59
local vcal_len = strlen(vcal_1[1])
forvalues i = 1/`vcal_len' {
  replace births = births+1 if inrange(`i',beg,end) & substr(vcal_1,`i',1) == "B"
  replace stillbirths = stillbirths+1 if inrange(`i',beg,end) & substr(vcal_1,`i',7) == "TPPPPP"
}
```

```
replace end = v008
replace beg = v008-59
```

```
rename b3_0* b3_*
rename b6_0* b6_*
forvalues i = 1/20 {
  replace births2 = births2+1 if inrange(b3_`i',beg,end)
  replace earlyneo = earlyneo+1 if inrange(b3_`i',beg,end) & inrange(b6_`i',100,106)
  replace infant_deaths = infant_deaths+ 1 if inrange(b3_`i',beg,end) & inrange(b6_`i',100,211)
  replace child_deaths = child_deaths+ 1 if inrange(b3_`i',beg,end) & inrange(b6_`i',212,304)
}
```

```

gen totpreg7m = births2+stillbirths
label variable totpreg7m "Number of pregnancies of 7+ months duration"
gen perinatal = earlyneo+stillbirths
label variable perinatal "Perinatal mortality"
gen wt = v005/1000000
svyset v021 [pw = wt], strata(v023) singleunit(centered)

```

```

svy: tab parity earlyneo, count cellwidth(12) format(%12.2g)
(running tabulate on estimation sample)

```

```

Number of strata = 56          Number of obs = 24,562
Number of PSUs  = 850        Population size = 24,562
                        Design df = 794

```

paritylab	Early neonatal deaths		
	0	1	Total
0	5532	0	5532
1	3747	51	3798
2	3428	91	3519
3	3095	47	3141
4	2635	46	2682
5+	5787	103	5890
Total	24224	338	24562

Key: weighted count

Pearson:

```

Uncorrected chi2(5) = 124.1167
Design-based F(4.84, 3845.21)= 15.1343 P = 0.0000

```

```

. svy: tab wealth stillbirths, count cellwidth(12) format(%12.2g)
(running tabulate on estimation sample)

```

```

Number of strata = 56          Number of obs = 24,562
Number of PSUs  = 850        Population size = 24,562
                        Design df = 794

```

wealth index combined	Stillbirths		
	0	1	Total
poorest	4699	46	4745
poorer	4641	51	4692
middle	4584	50	4635

richer	4653	27	4680
richest	5752	58	5810
Total	24330	232	24562

---

Key: weighted count

Pearson:

Uncorrected  $\chi^2(4) = 8.8778$

Design-based  $F(3.85, 3059.99) = 1.2668$   $P = 0.2814$