Subject: Re: accounting clustering effects of women's data when using baby-based analysis
Posted by rkinoshita on Sun, 29 Sep 2013 14:21:05 GMT
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Hi. Thank you so much for all of useful inputs- they will be fruits for thoughts for my paper when I discuss about limitations and interpretations of the significant (or non-significant) results.

As for the number of clusters, please see below, women by area but limiting to those women who have ever married or in union because they also responded to my two violence variables (main exposure and outcome variables). Number of strata is 17 and PSU is 731. I am guessing that this would probably make less justifiable to use cluster model (which makes more precise estimates of SE than Robust model)- then again, my question is for which model do I need to use now???

I was discussing with my supervisor and we agreed that we will stick to birth-based analysis for associations between intimate partner violence and infant/child outcomes and discuss possible biases arising from repeated data of women with more than one birth.

My supervisor also found that svy + logistic is the same as using just logistic with vce(cluster) as an option, but with added value of weighting too. she suggested me to stick to svy + logistic because in order to pass this thesis and get my degree out, I don't need to learn new methods. Later on, I would need to look at this though, as I am hoping to publish this.

anyway, thanks a lot, again!
Rinko

```
. svy: tab Area if QW814F==1, obs cell count format(%10.4f)
(running tabulate on estimation sample)

Number of strata   =        17                  Number of obs      =     12065
Number of PSUs     =       731                  Population size    =  16178.63
                                                Design df          =       714

-------------------------------------------------
Area de   |
Residenci |
a         |      count  proportions         obs
----------+--------------------------------------
   Urbano |   9419.3941       0.5822    5935.0000
    Rural |   6759.2356       0.4178    6130.0000
          |
    Total |  16178.6297       1.0000   12065.0000
-------------------------------------------------
  Key:  count     =  weighted counts
        propor~s  =  cell proportions
        obs       =  number of observations
```