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Subject: Re: Zambia hiv dataset 2001-02

Posted by [Reduced-For\(u\)m](#) on Fri, 24 Oct 2014 19:31:17 GMT

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Trevor,

Given that, on its own, stratification should (weakly) reduce the size of standard errors, where the clustering on PSU (weakly) inflates them - isn't this likely to produce standard error estimates (and thus p-values and CIs) that are all too small?

I would think that clustering on some geographic level greater than PSU would be the more conservative way to do this. The AIS tabulation plan\* seems to indicate that they keep region of residence. Clustering on region-X-urban/rural might provide enough clusters to use the cluster robust estimator, but there are small-cluster-number analogs that can be used as well.

\*Maybe I'm looking at the wrong documentation:

[http://dhsprogram.com/pubs/pdf/AISM9/HIV\\_Testing\\_Tabplan.pdf](http://dhsprogram.com/pubs/pdf/AISM9/HIV_Testing_Tabplan.pdf)

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