Subject: Re: declaring child survey in Stata
Posted by Reduced-For(u)m on Wed, 11 Oct 2017 17:26:57 GMT
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"should i still be concerned about the sampling design/ the stratification?"...

If you cluster and weight using xtreg/regxfe you ARE accounting for sampling design. That is all the "svy" prefix is doing too. You need to account for non-independence of observations (clustering and stratification) and non-randomness of cluster sampling (weighting). The "svy" command is just one way to tell the regression to cluster and weight - it is like putting in the options after comma in a regression code, it just lets you set that up once and then use the "svy" prefix instead of writing the code options directly into regression command.

But basically, they are doing exactly the same thing mathematically, there are just two ways to tell Stata to do that thing (with some very small caveats about the particular algorithms each version calls but which doesn't really matter much here).

Also just to be clear: "So when we use svy, we are not only implementing weighting but also taking in to account the sampling design/ the stratification."... that is true if you have included both the weighting and stratification/PSU information in the "svyset" command. You have to tell the "svy" prefix what to do first, but assuming you did that as recommended here, then yes, it covers both aspects of survey design corrections (the point estimate problem fixed with weighting; and the SE/p-val problem with stratification and clustering).