Subject: BDHS2011 - Tab. 5.4 Children ever born and living
Posted by geoK on Thu, 21 May 2015 14:26:55 GMT
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Hello,
I am trying to replicate percentages and mean number of children ever born as in Tab. 5.4 for ALL WOMEN but I get different numbers. I can get the total number of women 20,797 using the ALL WOMEN FACTOR but all % by age and total come different. I am sure it is something to do with the all women factor which I am struggling to understand how it is used...

Can anyone help, please? Maybe suggesting a script or explaining step by step? Thanks.

Also, on the same topic (ALL WF), I'd like to further disaggregate mean number of children ever born for all women by e.g. Region. I am aware that the specific factor for regional disaggregation is created, but just wondering how to use it in the case of mean number of children ever born.

Thanks again,
Best regards!

Subject: Re: BDHS2011 - Tab. 5.4 Children ever born and living
Posted by Trevor-DHS on Sat, 23 May 2015 04:45:35 GMT
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The issue with using the all women factors is often that you need to inflate the denominator of your indicator to inflate the number of women from the ever married women to all women, but you don't want to inflate the numerator as the assumption is that the never married women have had no children.  Below is some code in stata that demonstrates this:

```
* Set up svy paramaters
gen wt=v005/1000000
svyset v021 [pw=wt], strata(v023)

* All women factor
gen aw = awfactt/100
* Check the denominator
tab v013 [iw=aw*wt]

* Children ever born
gen ceb = v201
* Use the ratio of children ever born and all women
svy: ratio ceb/aw, over(v013)
svy: ratio ceb/aw
```

Subject: Re: BDHS2011 - Tab. 5.4 Children ever born and living
Posted by geoK on Tue, 26 May 2015 11:32:31 GMT
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Dear Trevor, thanks a lot, this is really helpful. Can I please double check with you if I have understood it correctly, when calculating other indicators with different subpopulations:
For example,
If I want to calculate women's literacy (taking variable V155 and creating an indicator variable where LITERATE=1 and NOT-LITERATE=0, following tab. 3.3.1 definition of literate women) by Religion (V130):
1- should I create a new women factor specific for variable Religion (V130)? Given that the dataset lists 5 factors which look sub-pop specific: awfactt; awfactu; awfactr; awfacte; awfactw
2- assuming that the correct factor to use is called awfactt, and following your script, would the following be correct? (IN RED MY CHANGES)

```
* Set up svy paramaters
gen wt=v005/1000000
svyset v021 [pw=wt], strata(v023)

* All women factor
gen aw = awfactt/100
* Check the denominator
tab v130 [iw=aw*wt]

* Children ever born
gen Literacyw = (derived from V155 where 1=literate; 0=illiterate)
* Use the ratio of children ever born and all women
svy: ratio Literacyw/aw, over(v155)
svy: ratio Literacyw/aw
```

##########################################################
RESULTS --> please see attached!

Thanks a lot,
regards

## File Attachments

1) RESULTS.pdf, downloaded 813 times

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Subject: Re: BDHS2011 - Tab. 5.4 Children ever born and living
Posted by geoK on Fri, 29 May 2015 09:14:51 GMT
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Hi again. Any idea/suggestion about my last question?

Sorry, In my program there is a mistake, it should be

svy: ratio Literacyw/aw, over(v130)
svy: ratio Literacyw/aw

It is however correct in the pdf attached called results.
thanks a lot
regards

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Subject: Re: BDHS2011 - Tab. 5.4 Children ever born and living
Posted by Trevor-DHS on Wed, 10 Jun 2015 14:58:40 GMT
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1) Ideally you would create all women factors for religion, but given that two of the religious groups are tiny it is impractical to do so, so I would just use the total all women factor AWFACTT.
2) Your corrected code looks fine.

In your results, though, you should ignore the results for Christianity and Buddhism as you have far too few cases and the results are not representative at all.

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Subject: Re: BDHS2011 - Tab. 5.4 Children ever born and living
Posted by geoK on Tue, 16 Jun 2015 10:19:46 GMT
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Thanks a lot!

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Subject: Re: BDHS2011 - Tab. 5.4 Children ever born and living
Posted by Trevor-DHS on Wed, 17 Jun 2015 19:49:03 GMT
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I just realized that my last response was misleading. My comments 1) and 2) are not wrong, but the whole idea of applying all women factors for literacy is problematic. We use all women factors with with variables for fertility, marital status and sexual activity because we can assume (in the countries that use all women factors) that all never married women have had no pregnancies, are never married, and have never had sex. We can't make an assumption about their literacy, and thus we can't use this approach to estimate literacy of all women. My apologies that I didn't spot this before.

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Subject: Re: BDHS2011 - Tab. 5.4 Children ever born and living
Posted by geoK on Thu, 18 Jun 2015 09:03:52 GMT

Thanks a lot!!!!!!