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Subject: Re: Calculating Period Parity Progression Ratio

Posted by [rajaram](#) on Sun, 28 Jan 2018 09:56:37 GMT

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Dear sir/madam,

I'm having issues sorting out the data required for calculating Period PPR using synthetic parity cohort method.

I've been able to work out the year each woman had a specific birth order and the number of women involved.

I'm working with the India NFHS 2016. I am using the below syntax to calculate year of birth for each birth order.

```
local n=1
while `n'<=15 {
gen year_`n'=.
local n=`n'+1
}
```

```
local li=1
while `li'<=20 {
replace year_1=b2_`li' if bord_`li'==1
replace year_2=b2_`li' if bord_`li'==2
replace year_3=b2_`li' if bord_`li'==3
replace year_4=b2_`li' if bord_`li'==4
replace year_5=b2_`li' if bord_`li'==5
replace year_6=b2_`li' if bord_`li'==6
replace year_7=b2_`li' if bord_`li'==7
replace year_8=b2_`li' if bord_`li'==8
replace year_9=b2_`li' if bord_`li'==9
replace year_10=b2_`li' if bord_`li'==10
replace year_11=b2_`li' if bord_`li'==11
replace year_12=b2_`li' if bord_`li'==12
replace year_13=b2_`li' if bord_`li'==13
replace year_14=b2_`li' if bord_`li'==14
replace year_15=b2_`li' if bord_`li'==15
local li=`li'+1
}
```

```
recode year_1 (1985/1999=1)(2000/2004=2)(2005/2009=3)(2010/2014=4)(else=.) ,gen(parity_1)
/**for parity of 1995-1999 all births from 19985 to 1995 has been taken**\
recode year_2 (1985/1999=1)(2000/2004=2)(2005/2009=3)(2010/2014=4)(else=.) ,gen(parity_2)
recode year_3 (1985/1999=1)(2000/2004=2)(2005/2009=3)(2010/2014=4)(else=.) ,gen(parity_3)
recode year_4 (1985/1999=1)(2000/2004=2)(2005/2009=3)(2010/2014=4)(else=.) ,gen(parity_4)
recode year_5 (1985/1999=1)(2000/2004=2)(2005/2009=3)(2010/2014=4)(else=.) ,gen(parity_5)
recode year_6 (1985/1999=1)(2000/2004=2)(2005/2009=3)(2010/2014=4)(else=.) ,gen(parity_6)
```

cummulative parity by year. 0 order parity is taken as women in the age group 30-49 for year 1995-99 and age group 25-49 for year 2000-2004.

Year	parity0	parity1	parity2	parity3	parity4	parity5	parity6
1995-99	29,655	23607	18294	12,382	7,167	3,484	1,476
2000-04	41,739	34600	28451	20,896	13,481	7,767	4,093
2005-09	55,584	45999	39062	29,290	19,453	11,724	6,588
2010-2014	67,106	58636	50037	36860	24,022	14,523	8,318

please let me know where i am doing mistake. Please let me the procedure to calculate parity progression ratio from NFHS data.

I will be thankful to you.