
Subject: Re: Calculating Period Parity Progression Ratio

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

[View Forum Message](#) <> [Reply to Message](#)

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 pariry progression ratio from NFHS data.

I will be thankful to you.