
Subject: Birth order and Antenatal Care NFHS-5 India
Posted by [Rupon](#) on Wed, 18 Oct 2023 04:07:04 GMT
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Hi!

I am new to this dataset. I tried to replicate Table 8.3 (Antenatal Care) from NFHS-5, India. I have kept data for midx_1==1. I have recoded the birth order (bord_01) as (1=1) (2/3=2) (4/5=3) (6/max=4). I tried to tabulate birth order with antenatal_care: doctor (m2a_1) for the recent live births. The result however didn't match with report.

It is my request to you to help in in this regard.
Thank you.

Regards
Rupon

Subject: Re: Birth order and Antenatal Care NFHS-5 India
Posted by [Bridgette-DHS](#) on Thu, 19 Oct 2023 12:41:23 GMT
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Following is a response from Senior DHS Staff Member, Tom Pullum:

The Stata lines pasted below will calculate the outcome variable used in NFHS-5 table 8.3. The problem you are having may be with the handling of cases with multiple providers. In such cases, the variable is classified with the most qualified provider, which is the one farthest to the left in the columns of the table. Note that this sequence is a little different from the sequence of the providers in the questionnaire. Because you have already constructed to covariates for this table, you should be able to reproduce the whole table now.

- * Antenatal care, NFHS5, table 8.3
- * combine m2a to m2n into a single variable, with a higher qualified provider replacing
- * a less qualified provider

- * Sequence the providers as in table 8.3

- | | |
|-----------|---|
| * m2a M2A | prenatal: doctor |
| * m2b M2B | prenatal: anm/nurse/midwife/lhv |
| * m2g M2G | prenatal: dai/traditional birth attendant |
| * m2i M2I | prenatal: anganwadi/icds worker |
| * m2h M2H | prenatal: community/village health worker |
| * m2j M2J | prenatal: asha |
| * m2k M2K | prenatal: other |
| * m2n M2N | prenatal: no one |

- * Follow THE REVERSE of this sequence in the construction

use "C:\Users\26216\ICF\Analysis - Shared Resources\Data\DHSdata\IAKR7EFL.DTA", clear
gen wt=v005/1000000

gen provider=8
replace provider=7 if m2k==1
replace provider=6 if m2j==1
replace provider=5 if m2h==1
replace provider=4 if m2i==1
replace provider=3 if m2g==1
replace provider=2 if m2b==1
replace provider=1 if m2a==1

label define type 1 "Doctor" 2 "ANM or nurse or midwife or LHV" 3 "Dai or TBA" 4 "Aganwadi or ICDS worker" 5 "Community or village health worker" 6 "ASHA" 7 "Other" 8 "None"

label values provider type
tab provider if bidx==1 [iweight=wt]

* This matches the percentages and n in the bottom row of table 8.3

Subject: Re: Birth order and Antenatal Care NFHS-5 India
Posted by [Rupon](#) on Fri, 20 Oct 2023 16:58:26 GMT
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Thank you so much for a quick reply. While the results did match for all other variables, for variable 'Birth Order' however it did not. I tried categorizing birth order as in my question. Could you please advise on it? Thank you

Regards
Rupon

Subject: Re: Birth order and Antenatal Care NFHS-5 India
Posted by [Bridgette-DHS](#) on Fri, 20 Oct 2023 17:56:54 GMT
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Following is a response from Senior DHS Staff Member, Tom Pullum:

Yes, that's tricky. In this table (and some others, including the others in chapter 8 of the NFHS-4 and -5 reports), birth order does not distinguish between the children born in the same multiple birth. For example, suppose that a woman has had 4 live births (4 children) but they arrived as two pairs of twins. She would have had only two birth events, for the purposes of these tables. In

the following construction, I start with "bord" and then construct a variable "border". I then recode "border" into a variable with categories 1, 2-3, 4-5, and 6+, which is called "birth_order".

* Birth order

* To match birth order in the tables, bord must be modified to include multiple births

```
gen border=.
forvalues ll=1/5 {
  replace border=`ll' if (bord==`ll' & b0==0) | (bord==`ll'+1 & b0==2) | (bord==`ll'+2 & b0==3)
}
gen birth_order=1 if border==1
replace birth_order=2 if border>1
replace birth_order=3 if border>3
replace birth_order=4 if border>5
label variable birth_order "Birth order"
label define birth_order 1 "1" 2 "2-3" 3 "4-5" 4 "6+"
label values birth_order birth_order
tab birth_order [iweight=wt]
drop border
```

Subject: Re: Birth order and Antenatal Care NFHS-5 India

Posted by [Rupon](#) on Sat, 21 Oct 2023 15:39:41 GMT

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Thank you so much. I tried to run these codes. However, as I had never done 'loops' before, I could not understand the same. Nonetheless, I got some clues from the command and I checked the data. I ran the following codes thereafter. Kindly let me know if these are correct. Results did match with the report (number of live births, for each category of adjusted birth order from KR file)

```
[code][/*birth order generation, adjusting for twins/triplets*/
```

```
/*use KR Children Recode file */
```

```
/*variables:
```

```
birth_order_bord "birth order number"
```

```
b0= "child is twin", 0= single, 1 = 1st of multiple, 2 = 2nd of multiple, 3 = 3rd of multiple
```

```
weight = v005/1000000*/
```

```
/*generating twin/triplet adjusted birth order variable */
```

```
gen birth_order_bord=bord
```

```
gen border= birth_order_bord if b0==0
```

```
replace border= birth_order_bord if b0==1
```

```
replace border= birth_order_bord-1 if b0==2
```

```
replace border= birth_order_bord-2 if b0==3
```

```
replace border= birth_order_bord-3 if b0==4
```

```
/*categorising adjusted birth order */
```

```
gen bord_cat =1 if border==1
```

```
replace bord_cat=2 if border>1
```

```
replace bord_cat = 3 if border>3
```

```
replace bord_cat = 4 if border>=6
```

```
/*Tabulation */
```

```
tab bord_cat[iw=weight] if midx==1 /*most recent birth */
```

```
tab bord_cat[iw=weight]]
```

Thank you

Subject: Re: Birth order and Antenatal Care NFHS-5 India

Posted by [Bridgette-DHS](#) on Mon, 23 Oct 2023 12:53:49 GMT

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Following is a response from Senior DHS Staff Member, Tom Pullum:

Yes, that's tricky. In this table (and some others, including the others in chapter 8 of the NFHS-4 and -5 reports), birth order does not distinguish between the children born in the same multiple birth. For example, suppose that a woman has had 4 live births (4 children) but they arrived as two pairs of twins. She would have had only two birth events, for the purposes of these tables. In the following construction, I start with "bord" and then construct a variable "border". I then recode "border" it into a variable with categories 1, 2-3, 4-5, and 6+, which is called "birth_order".

* Birth order

* To match birth order in the tables, bord must be modified to include multiple births

```
gen border=.
```

```
forvalues ll=1/5 {
```

```
  replace border=`ll' if (bord==`ll' & b0==0) | (bord==`ll'+1 & b0==2) | (bord==`ll'+2 & b0==3)
```

```
}
```

```
gen birth_order=1 if border==1
```

```
replace birth_order=2 if border>1
```

```
replace birth_order=3 if border>3
```

```
replace birth_order=4 if border>5
```

```
label variable birth_order "Birth order"
```

```
label define birth_order 1 "1" 2 "2-3" 3 "4-5" 4 "6+"
```

```
label values birth_order birth_order
```

```
tab birth_order [iweight=wt]
```

```
drop border
```

Subject: Re: Birth order and Antenatal Care NFHS-5 India
Posted by [Bridgette-DHS](#) on Mon, 23 Oct 2023 14:19:34 GMT
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Following is a response from Senior DHS Staff Member, Tom Pullum:

This looks fine to me. If it matches the report (you say that it does) then it must be ok!
