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Subject: Sex ratio at 2nd birth order  
Posted by [Kanika](#) on Mon, 24 Jul 2023 17:36:54 GMT  
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Hello,

I am using DFHS (2019-21) and trying to calculate sex ratio at birth at the 2nd birth order conditional on the probability that a female was born in the 1st birth order. Can anyone please help me with the code in STATA?

Thank you,  
Kanika

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Subject: Re: Sex ratio at 2nd birth order  
Posted by [Kanika](#) on Mon, 24 Jul 2023 20:13:43 GMT  
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My sincerest apologies. Yes, I mean NFHS-5, 2019-21 for India. Thank you!

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Subject: Re: Sex ratio at 2nd birth order  
Posted by [Bridgette-DHS](#) on Tue, 25 Jul 2023 17:04:25 GMT  
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Following is a response from Senior DHS staff member, Tom Pullum:

The following Stata program, which can be used with any IR file, calculates a new set of variables giving the sex of the child indexed by birth order rather than bidx (which is 1 for the most recent birth, etc.). It can be modified to be more general, if desired, to index any or all of the b variables by birth order rather than bidx.

```
use "...IAIR7EFL.DTA", clear
```

```
* Recode the b variables so they are indexed by bord rather than bidx
```

```
* Illustrated for just b4, sex of the child
```

```
* Based on the relationship bidx+bord=v201+1
```

```
rename *_0* *_*
```

```
* construct a new variable, sex, that is b4 indexed by bord rather than bidx
```

```
forvalues lceb=1/20 {
```

```
gen sex_`lceb'=. 
```

```
quietly forvalues lbord=1/^lceb' {
```

```
local lbidx=`lceb'+1-`lbord'  
replace sex_`lbord'=b4_`lbidx' if v201==`lceb'  
}  
}
```

```
tab1 sex_*  
tab sex_2 sex_1 [iweight=v005/1000000],col
```

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