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Subject: Re: Defining categories of high risk fertility  
Posted by [Bridgette-DHS](#) on Tue, 14 Jun 2016 19:19:44 GMT  
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Following is a response from Senior DHS Stata Specialist, Tom Pullum:

Here is a Stata routine to do what you want. It is for births in the past five years and therefore can be done completely with the KR file.

- \* Stata program to identify the high risk birth categories in table 8.5 of the
- \* Nigeria 2013 DHS survey

```
set more off
use e:\DHS\DHSta...KR_files\NGKR6AFL.dta, clear
```

- \* Check the total number of weighted cases
- tab b5 [iweight=v005/1000000]

```
gen age_of_mother=int((b3-v011)/12)
```

- \* Adjustment for multiple births to give the same order as that of the first in multiples;
- \* b0 is sequence in the multiple birth IF part of a multiple birth; b0=0 if not a multiple birth;
- \* only shift the second (or later) birth within a multiple birth.

```
gen bord_adj=bord
*replace bord_adj=bord-1 if b0==2
*replace bord_adj=bord-2 if b0==3
```

```
replace bord_adj=bord-b0+1 if b0>1
```

- \* Single risk categories, initial definition

- \* Four basic criteria

```
gen young=0
gen old=0
gen soon=0
gen many=0
```

```
replace young=1 if age_of_mother<18
replace old=1 if age_of_mother>34
replace soon=1 if b11<24
replace many=1 if bord_adj>3
```

```
gen unavoidable_risk=0
replace unavoidable_risk=1 if bord_adj==1 & young==0 & old==0
```

- \* Construct the four single-risk categories

```

gen too_young=0
gen too_old=0
gen too_soon=0
gen too_many=0

replace too_young=1 if young==1 & old==0 & soon==0 & many==0
replace too_old =1 if young==0 & old==1 & soon==0 & many==0
replace too_soon =1 if young==0 & old==0 & soon==1 & many==0
replace too_many =1 if young==0 & old==0 & soon==0 & many==1

* Pooling of single risk categories
gen single_risk=0
replace single_risk=1 if too_young+too_old+too_soon+too_many>0

* Construct the five multiple-risk categories
gen too_young_too_soon=0
gen too_old_too_soon=0
gen too_old_too_many=0
gen too_old_too_soon_too_many=0
gen too_soon_too_many=0

replace too_young_too_soon      =1 if young==1 & old==0 & soon==1 & many==0
replace too_old_too_soon       =1 if young==0 & old==1 & soon==1 & many==0
replace too_old_too_many       =1 if young==0 & old==1 & soon==0 & many==1
replace too_old_too_soon_too_many=1 if young==0 & old==1 & soon==1 & many==1
replace too_soon_too_many      =1 if young==0 & old==0 & soon==1 & many==1

* Pooling of multiple risk categories
gen multiple_risk=0
replace multiple_risk=1 if too_young_too_soon+too_old_too_soon+too_old_too_many+too_old_too_soon_too_many+too_soon_too_many>0

* Pooling of any avoidable risk
gen any_avoidable_risk=0
replace any_avoidable_risk=1 if single_risk+multiple_risk>0

* Give results
format %6.3f too* single* multiple* any* un*
mean un* too* single* multiple* any [iweight=v005/1000000]

```

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