
Subject: Defining categories of high risk fertility

Posted by [Bridgette-DHS](#) on Thu, 19 May 2016 00:45:07 GMT

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Following is a response from Senior DHS Stata Specialist, Tom Pullum:

Here is a Stata program to define the high-risk categories. This will match the numbers in the first column of table 8.5 in the main report on the Nigeria 2013 DHS survey. It works with only 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\DHS_data\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]
```