
Subject: Yearly Under-Five-Mortality Rate (Ghana, 1980-1990)

Posted by [user_ha](#) on Fri, 23 Jan 2015 11:10:39 GMT

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Hello everybody,

For an ongoing research project, I try to estimate the yearly Under-Five-Mortality Rate (U5MR) and the Infant Mortality Rate for Ghana between 1980 - 1990 based on the Demographic and Health Survey of 1988. As recommended by the DHS and the World Bank Institute, I utilize the `ltable` command in STATA. However, I do not obtain the same (yearly) estimates reported by the STATcompiler or by the Child Mortality Estimates reported by UNICEF for the DHS 1988 in Ghana. Based on the example in the World Bank Institute's report "Analyzing Health Equity Using Household Survey Data", my Stata code to estimate the U5MR & Infant Mortality in the year 1983 (as one example) looks as follows:

```
* Load Birth Recode, DHS 1988, Ghana
```

```
clear
```

```
use "GHBR02FL"
```

```
* Individual Age in Dec 1983 / CMC Dec 1983: 996
```

```
gen age_ref=(996-b3)
```

```
replace age_ref=. if age_ref<0
```

```
* Surviving time (in years)
```

```
gen timeyears=.
```

```
replace timemonths=age_ref
```

```
replace timemonths=b7 if b5==0
```

```
gen dead=(b5==0)
```

```
* ltable command
```

```
ltable timemonths dead if age_ref<=60, int(0,12,24,36,48,60) saving("ltable_t.dta", replace)
```

```
* Use ltable data
```

```
use "ltable_t.dta", clear
```

```
* Infant Mortality Rate and U5MR
```

```
gen infant_mortality=failure*1000 if t1==12
```

```
gen child_mortality=failure*1000 if t1==60
```

```
drop if child_mortality==. & infant_mortality==.
```

Based on this code, my estimates are not accurate. I think that my setting of the individual age for this year (i.e. the CMC for December 1883) as well as the specifications in the `ltable` command itself ("`if age_ref<=60`" / "`int(0,12,24,36,48,60)`") leave quite some room for variation. I tried different "combinations" of all these settings, however, never even came close to the reported estimates in the DHS STATcompiler and the CME Info by UNICEF. Does anyone has experience with calculating child mortality rates for particular years based on DHS Birth Recodes? Or can anyone tell me what I'm doing wrong? I am very grateful for any help, comments or recommendation. I have also familiarized myself with the procedures as stated in the Guide to

DHS Statistics (pp 90-94), which could not really help me with this specific problem.

Thank you very much in advance!
