
Subject: Re: Calculating pregnancy related maternal mortality by year using ETHIOPIA DHSs 2000-2016

Posted by [Melese](#) on Fri, 12 Mar 2021 02:38:27 GMT

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Dear Bridgette and Tom, thank you very much for the reply.

Dear experts, can you please help me with this STATA syntax (program) to calculate these rates over different time intervals, please? I couldn't get it on the GitHub site.

Regards

Melese

*The following is the syntax that I used to calculate the pregnancy-related maternal mortality rate (out of the 15-49 reproductive age women) over the 05 years preceding the survey by using the ETHIOPIA 2011 survey IR dataset.

```
keep caseid v001 v002 v003 v005 v008 v011 v012 v013 v021 v023 v024 v025 v106 v190 awfact  
mm* mmc*  
rename mm*_0* mm*_*  
reshape long mmidx_ mm1_ mm2_ mm3_ mm4_ mm5_ mm6_ mm7_ mm8_ mm9_ mm10_  
mm11_ mm12_ mm13_ mm14_ mm15_, i(caseid) j(mmindex)  
rename mm*_ mm*  
drop if mmidx==.  
tab mm1  
drop if (mm1 == 8 | mm1 == 9 | mm2 == 8 | mm2 == 9 | mm1 == . | mm2 == .)  
tab mm2 mm1  
local period 60  
gen uplim = v008-1  
replace uplim = mm8 if mm2 == 0  
gen lowlim = v008-`period'  
gen exposure = uplim-lowlim+1  
replace exposure = 0 if exposure < 0  
gen agegrp1 = int((uplim-mm4)/60)  
gen expo1 = min(exposure,uplim - (mm4 + agegrp1*60) + 1)  
gen deaths1 = (mm2==0 & expo1 > 0)  
replace exposure = exposure - expo1  
gen agegrp2 = agegrp1 - 1  
gen expo2 = min(60,exposure)  
gen deaths2 = 0  
replace exposure = exposure - expo2  
gen agegrp3 = agegrp2 - 1  
gen expo3 = min(60,exposure)  
gen deaths3 = 0  
reshape long agegrp expo deaths, i(caseid mmindex) j(j)  
keep if agegrp >= 3 & agegrp <= 9  
label define agegrp 3 "15-19" 4 "20-24" 5 "25-29" 6 "30-34" 7 "35-39" 8 "40-44" 9 " 45-49"  
label values agegrp agegrp  
gen wt = v005/1000000  
tab agegrp mm1 [iw=deaths*wt]
```

```
tab agegrp mm1 [iw=expo*wt/12]
tab agegrp [iw=deaths*wt] if mm1 == 2 & mm9 >= 2 & mm9 <= 6
tab agegrp [iw=expo*wt/12] if mm1 == 2
gen PregMMR = 0 if [(agegrp==3 | agegrp==4 | agegrp==5 | agegrp==6 | agegrp==7 | agegrp==8
| agegrp==9) & (mm1 == 2)]
replace PregMMR = 1 if [(agegrp==3 | agegrp==4 | agegrp==5 | agegrp==6 | agegrp==7 |
agegrp==8 | agegrp==9) & (mm1 == 2) & (mm1 == 2) & (mm9 >= 2) & (mm9 <= 6)]
```
