
Subject: Re: Stata code for mean duration of insusceptibility

Posted by [kbietsch](#) on Tue, 16 Jan 2018 20:27:03 GMT

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Has anyone written the stata code?

I have this for % postpartum amenorrhoeic, abstaining, and overall insusceptible

```
clear all
```

```
use GHKR72FL.DTA, clear
```

```
* age of child
```

```
gen months = v008-b3
```

```
* keeping young and droppin first of multiple births
```

```
keep if months <=35 & b0!=1
```

```
* //postpartum amenorrhoeic from most recent birth (midx=1).
```

```
gen ppa=.
```

```
replace ppa=1 if midx==1 & v405==1
```

```
replace ppa=0 if ppa==.
```

```
* //abstaining since most recent birth (midx=1).
```

```
gen abst=.
```

```
replace abst=1 if midx==1 & v406==1
```

```
replace abst=0 if abst==.
```

```
* // postpartum amenorrhoeic or abstaining since most recent birth (midx=1).
```

```
gen insus=.
```

```
replace insus=1 if midx==1 & (ppa==1 | abst==1)
```

```
replace insus=0 if insus==.
```

```
gen weight=v005/1000000
```

```
gen idnum = v021
```

```
gen statid =v022
```

```
svyset idnum [pw=weight], strata(statid) singleunit(scaled)
```

```
svy: mean ppa
```

```
svy: mean abst
```

```
svy: mean insus
```

```
*****
```

To try and calculate mean time insusceptible, I referred to the Guide to DHS statistics

I assigned each person into their 2 month window and collapsed the data

```
gen month2=.
```

```
replace month2=0 if months==0 | months==1
```

```
replace month2=2 if months==2 | months==3
```

```
replace month2=4 if months==4 | months==5
replace month2=6 if months==6 | months==7
replace month2=8 if months==8 | months==9
replace month2=10 if months==10 | months==11
replace month2=12 if months==12 | months==13
replace month2=14 if months==14 | months==15
replace month2=16 if months==16 | months==17
replace month2=18 if months==18 | months==19
replace month2=20 if months==20 | months==21
replace month2=22 if months==22 | months==23
replace month2=24 if months==24 | months==25
replace month2=26 if months==26 | months==27
replace month2=28 if months==28 | months==29
replace month2=30 if months==30 | months==31
replace month2=32 if months==32 | months==33
replace month2=34 if months==34 | months==35
```

```
collapse (sum) ppa abst insus [aw=v005] , by(month2)
```

I then created a width variable:

```
gen width=.
replace width=.75 if _n==1
replace width=1.75 if _n==2
replace width= 2 if width==.
```

But like Bruno, I am still about 2 months lower than the report. Any ideas?