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Subject: Re: Protection with TT injections for most recent birth  
Posted by [Bridgette-DHS](#) on Tue, 28 Nov 2023 16:43:04 GMT  
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Following is a response from Senior DHS staff member, Tom Pullum:

This indicator appears in the national final report, in table 8.7. The Stata code is included on GitHub in the generic chapter 9, for ANC indicators ([https://github.com/DHSProgram/DHS-Indicators-Stata/blob/master/Chap09\\_RH/RH\\_ANC.do](https://github.com/DHSProgram/DHS-Indicators-Stata/blob/master/Chap09_RH/RH_ANC.do)). I have slightly modified it and will paste it below I include the code for 2+ TT injections. This runs off the IR file but you could also apply it to the KR file, selecting bidx=1 and removing "\_01" wherever it appears.

```
use "...IAIR7EFL.DTA" , clear
```

```
gen age=b19_01  
gen period=60
```

```
* tetanus toxoid injections
```

```
recode m1_1 (0 1 8 9 . = 0 "No") (2/7 = 1 "Yes"), gen(rh_anc_toxinj)
```

```
replace rh_anc_toxinj = . if age>=period
```

```
label var rh_anc_toxinj "Received 2+ tetanus injections during last pregnancy"
```

```
* protection against neonatal tetanus
```

```
* temporary vars needed to compute the indicator
```

```
gen totet = 0
```

```
gen ttprotect = 0
```

```
replace totet = m1_1 if (m1_1>0 & m1_1<8)
```

```
replace totet = m1a_1 + totet if (m1a_1 > 0 & m1a_1 < 8)
```

```
* generating variable for date of last injection - will be 0 for women with at least 1 injection at last pregnancy
```

```
gen lastinj = 9999
```

```
replace lastinj = 0 if (m1_1>0 & m1_1 <8)
```

```
gen int ageyr = (age)/12
```

```
* years ago of last shot - (age at of child), yields some negatives
```

```
replace lastinj = (m1d_1 - ageyr) if m1d_1 <20 & (m1_1==0 | (m1_1>7 & m1_1<9996))
```

```
* generate summary variable for protection against neonatal tetanus
```

```
replace ttprotect = 1 if tet2lastp ==1
```

```
* at least 2 shots in last 3 years
```

```
replace ttprotect = 1 if totet>=2 & lastinj<=2
```

```
* at least 3 shots in last 5 years
```

```
replace ttprotect = 1 if totet>=3 & lastinj<=5
```

```
* at least 4 shots in last 10 years
```

```
replace ttprotect = 1 if totet>=4 & lastinj<=9
```

```
* at least 2 shots in lifetime
```

```
replace ttprotect = 1 if totet>=5
```

```
label variable ttprotect "Full neonatal tetanus Protection"
```

```
gen rh_anc_neotet = ttprotect
```

```
replace rh_anc_neotet = . if bidx_01!=1 | age>=period
```

```
label variable rh_anc_neotet "Protected against neonatal tetanus"
```

```
tab rh_anc_toxinj [iweight=v005/1000000]
```

```
tab rh_anc_neotet [iweight=v005/1000000]
```