Subject: Protection with TT injections for most recent birth
Posted by Rupon on Mon, 27 Nov 2023 05:44:22 GMT
View Forum Message <> Reply to Message

Hi!
I am working with NFHS-5 (2019-21) data for India, and using KR file for the most recent live births (MIDX==1). I am trying to reproduce INDICATOR 42 in STATE FACT SHEET (MOTHERS WHOSE LAST BIRTH WAS PROTECTED WITH NEONATAL TETANUS).
As defined this indicator includes
(a) mothers receiving 2 TT injection during pregnancy, OR
(b) two or more injections (the last within 3 years of the last live birth), OR
(c) three or more injections (the last within 5 years of the last birth), OR
(d) four or more injections (the last within 10 years of the last live birth), OR
(e) five or more injections at any time prior to the last birth.

I am currently using Stata package. Could anyone please provide DO FILE for it? Your support is appreciated.

Thank you.
Regards
Rupon

Subject: Re: Protection with TT injections for most recent birth
Posted by Bridgette-DHS on Tue, 28 Nov 2023 16:43:04 GMT
View Forum Message <> Reply to Message

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/mast er/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]
```

Subject: Re: Protection with TT injections for most recent birth
Posted by Rupon on Wed, 29 Nov 2023 08:25:09 GMT
View Forum Message <> Reply to Message

Thank you much for your reply with detail codes.

Could you please elaborate on why m1d_1<20?

Subject: Re: Protection with TT injections for most recent birth
Posted by Bridgette-DHS on Wed, 29 Nov 2023 13:52:12 GMT
View Forum Message <> Reply to Message

Following is a response from Senior DHS staff member, Tom Pullum:

This variable is the number of years since the most recent tetanus injection. If you look at the distribution, it goes out to 40 years, but 99.4% of the responses are in the past 20 years. I believe 20 years is an arbitrary boundary for saying that any larger numbers are probably due to recall error.

I just copied (with some minor editing) the GitHub construction, which is based on the CSPro construction. I don't know who decided on a boundary of 20 but it gives a match to the report.