
Subject: Re: Child immunization
Posted by [Mlue](#) on Sat, 24 Oct 2020 02:25:10 GMT
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Hello Ugonna & Shireen,

Check this code out. It should work.

** ALL BASIC VACCINATIONS: NDHS 2008 **

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**

***** M. Tsawe, PhD *****

***** Last modified: 24 October 2020 *****

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**

```
clear all
set maxvar 20000
set mem 1g
cd "C:\Users\...\NGKR53DT"
use "NGKR53FL", clear
set more off
```

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```
** WEIGHT VARIABLE
gen weight = v005/1000000
```

**

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```
** SURVEY SET
gen psu = v021
gen strata = v023
svyset psu [pw = weight], strata(strata) vce(linearized) singleunit(scaled)
*svydes
```

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```

**

// RENAME

rename v013 age
rename v106 education
rename v190 wealth
rename v025 residence
rename v024 region

**

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** Child_age = 12-23 months old
gen months = (v008-b3)
keep if b5 == 1 & months >= 12 & months <=23

gen child_age = months
replace child_age = 1 if b5 == 1 & months >= 12 & months <=13
replace child_age = 2 if b5 == 1 & months >= 14 & months <=15
replace child_age = 3 if b5 == 1 & months >= 16 & months <=17
replace child_age = 4 if b5 == 1 & months >= 18 & months <=19
replace child_age = 5 if b5 == 1 & months >= 20 & months <=21
replace child_age = 6 if b5 == 1 & months >= 22 & months <=23
label define child_age 1"12-13" 2"14-15" 3"16-17" 4"18-19" 5"20-21" 6"22-23"
label var child_age "Child age in months"
label val child_age child_age
svy:tab child_age, percent format (%4.1f) miss

**

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= **

** RECODE OF VACCINATION VARIABLES
gen BCG = inrange(h2,1,3)
gen Polio0 = inrange(h0,1,3)
gen Polio = inrange(h4,1,3)+inrange(h6,1,3)+inrange(h8,1,3)
gen DPT = inrange(h3,1,3)+inrange(h5,1,3)+inrange(h7,1,3)
gen measles = inrange(h9,1,3)

**

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**

*** Loop ***
forvalues x = 1/3 {
  gen BCG`x' = (BCG>=`x')
}

```

```

gen Polio`x' = (Polio>=`x')
gen DPT`x' = (DPT>=`x')
gen measles`x' = (measles>=`x')
}
**
recode h4 (1/3=1) (else=0), gen(Polios1)

** check if loop worked **
svy: tab wealth DPT3, percent format(%9.1f) miss row
svy: tab wealth DPT3, count format(%9.0f) miss

**
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**

/*
ALL BASIC VACCINATIONS:
-----
BCG, measles and three doses each of DPT and
polio vaccine (excluding polio vaccine given at birth)
*/

cap drop vaccination
gen vaccination = (BCG==1 & DPT3==1 & Polio3==1 & measles1==1)
label var vaccination "Received all basic vaccinations"
label define vaccination 0"No" 1"Yes"
label values vaccination vaccination

*=====
=====*
** DROP IF NOT WITHIN SAMPLE
keep if vaccination !=.

*=====
=====*

** CHECK
svy: tab vaccination, count format(%4.0f)
svy: tab vaccination, percent format(%4.1f)

*****

exit

```

File Attachments

1) [ALL BASIC VACCINATIONS - NDHS 2008.txt](#), downloaded 467 times