Subject: Re: DPT coverage in DHS Zambia 2007 using Births Recode
Posted by Mlue on Wed, 17 May 2017 14:07:58 GMT
View Forum Message <> Reply to Message

Hello ychin3y,

Please see example attached below, using Ethiopia DHS of 2011.

I used ETBR61FL.DTA dataset

**** I used Stata for the data analysis

```
** ||| IMMUNIZATION OF CHILDREN AGED 12-23 MONTHS (ETHIOPIA)

** 2011 DHS **

clear all
set mem 1g
set more off

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

*************************

** SURVEY SET
gen psu =    v021
gen strata = v022
svyset psu [pw = weight], strata(strata)

*******************************************************************************

// RENAME

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

////////////////////////////////////////////////////////////////////////////////

** 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

** Recode of vaccination variables

gen BCG  = inrange(h2,1,3)

gen Polio0 = inrange(h0,1,3)

gen DPT  = inrange(h3,1,3)+inrange(h5,1,3)+inrange(h7,1,3)

gen Polio = inrange(h4,1,3)+inrange(h6,1,3)+inrange(h8,1,3)

**gen pv  = inrange(pv1,1,3)+inrange(pv2,1,3)+inrange(pv3,1,3) /* Not available in Sierra Leone
2013 data */

gen ms  = inrange(h9,1,3)

forvalues x = 1/3 {
gen Polio`x' = (Polio>=`x')
gen DPT`x'  = (DPT>=`x')

}
**

**
=========================================================================
**
** DEPENDENT VARIABLE
gen vaccination = (BCG==1 & Polio==3 & DPT==3 & ms==1)
label var vaccination "Received all vaccinations"
label define vaccination 0"No" 1"Yes"
label values vaccination vaccination

** All basic vaccinations
tab vaccination [iw = weight] /* Total weighted sample = 2 169 */
tab vaccination     /* Total unweighted sample = 2 090 */
svy: tab vaccination, count percent format(%4.0f) col
```

```
**
================================================================================
**

** DROP IF NOT WITHIN SAMPLE
qui regr DPT if v208 >0 & v208 !=. [pw=weight]
drop if e(sample)!=1

*******************************************************************************

** BIRTH ORDER
gen birth_order1  =  bord
replace birth_order1 = bord-1 if b0 == 2
replace birth_order1 = bord-2 if b0 == 3

recode birth_order1 (1=1 "1") (2/3=2 "2-3") (4/5=3 "4-5") ///
(6/20=4 "6+"), gen(birth_order)
label var birth_order "Birth order"
label values birth_order birth_order

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

****** ANALYSIS *****

* Table 10.2
label define DPT1 0"No" 1"Yes"
label define DPT2 0"No" 1"Yes"
label define DPT3 0"No" 1"Yes"

label val DPT1 DPT1
label val DPT2 DPT2
label val DPT3 DPT3

svy: tab DPT1, percent format(%4.1f) col
svy: tab DPT2, percent format(%4.1f) col
svy: tab DPT3, percent format(%4.1f) col

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


**** Table 10.3 Vaccinations by background characteristics - for DPT1

** FOR DPT1
```

```
** Sex
svy: tab b4 DPT1, count format(%4.0f)
svy: tab b4 DPT1, percent format(%4.1f) row

** Birth order
svy: tab birth_order DPT1, count format(%4.0f)
svy: tab birth_order DPT1, percent format(%4.1f) row

** Wealth quintile
svy: tab wealth DPT1, count format(%4.0f)
svy: tab wealth DPT1, percent format(%4.1f) row

////////////////////////////

**** Table 10.3 Vaccinations by background characteristics - for DPT2

** FOR DPT2

** Sex
svy: tab b4 DPT2, percent format(%4.1f) row

** Birth order
svy: tab birth_order DPT2, percent format(%4.1f) row

** Wealth quintile
svy: tab wealth DPT2, percent format(%4.1f) row

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

**** Table 10.3 Vaccinations by background characteristics - for DPT3

** FOR DPT3

** Sex
svy: tab b4 DPT3, percent format(%4.1f) row

** Birth order
svy: tab birth_order DPT3, percent format(%4.1f) row

** Wealth quintile
svy: tab wealth DPT3, percent format(%4.1f) row

**
================================================================================
**
```

*** FOR ALL VACCINATIONS

svy: tab child_age vaccination, count format(%4.0f)

svy: tab b4 vaccination, count format(%4.0f)

svy: tab birth_order vaccination, count format(%4.0f)

svy: tab residence vaccination, count format(%4.0f)

svy: tab region vaccination, count format(%4.0f)

svy: tab wealth vaccination, count format(%4.0f)

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

*** Percentages / Coverage = All basic vaccinations

svy: tab child_age vaccination, percent format(%4.1f) row

svy: tab b4 vaccination, percent format(%4.1f) row

svy: tab birth_order vaccination, percent format(%4.1f) row miss

svy: tab residence vaccination, percent format(%4.1f) row

svy: tab region vaccination, percent format(%4.1f) row

svy: tab wealth vaccination, percent format(%4.1f) row

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

exit