
Subject: Re: DPT coverage in DHS Zambia 2007 using Births Recode
Posted by [Mlue](#) on Thu, 25 May 2017 10:01:14 GMT
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Hello ychin3y,

I sorted out the the code ... Now you should be getting the same results as in the report

See code below for Zambia DHS 2007 - ZMBR51FL

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

```
** 2007 DHS **
```

```
*****
```

```
** WEIGHT VARIABLE
```

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

```
*****
```

```
** SURVEY SET
```

```
gen psu = v021
```

```
gen strata = v023
```

```
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(sdhh1,1,3))+(inrange(h5,1,3) |
inrange(sdhh2,1,3))+(inrange(h7,1,3) | inrange(sdhh3,1,3))
```

```
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')
/*gen Penta`c' = (pv>=`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]
```

```
tab vaccination
```

```
svy: tab vaccination, count percent format(%4.1f) col
```

```
=====
```

**

** DROP IF NOT WITHIN SAMPLE

qui regr vaccination 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

* Selected characteristics on Table 10.3

* DPT1

svy: tab child_age DPT1, percent format(%4.1f) row

svy: tab b4 DPT1, percent format(%4.1f) row

* DPT2

svy: tab child_age DPT2, percent format(%4.1f) row

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

* DPT3

svy: tab child_age DPT3, percent format(%4.1f) row

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

* All vaccinations

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

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

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

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

exit

File Attachments

1) [Zambia DPT vaccination2.do](#), downloaded 441 times
