
Subject: Exclusive breastfeeding
Posted by [Nelson Zulu](#) on Sun, 10 May 2020 14:34:57 GMT
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Hello DHS team,
Am trying to come up with the exclusive breastfeeding variable using the variables m4, m39a, v409 using children dataset Zambia
How can I come up with the exclusive breastfeeding variable using the variables I have listed?

Subject: Re: Exclusive breastfeeding
Posted by [Mlue](#) on Sun, 10 May 2020 23:11:02 GMT
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Hello Nelson,

On your post, you did not specify some important information such as: the software package you are using, the year of the survey, etc.

I used Stata to produce the following code. The DHS team has written some SPSS and Stata programmes. Please search on GitHub (<https://github.com/DHSProgram>) for these codes.

```
*****  
***** EXCLUSIVE BREASTFEEDING *****  
***** ZAMBIA DHS 2018 *****  
*****
```

```
clear all  
set matsize 800  
set maxvar 10000  
set mem 1g  
cd "C:\Users\...\ZMKR71DT"  
use "ZMKR71FL", clear  
set more off
```

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

```
sort caseid  
  
** WEIGHT VARIABLE  
gen weight = v005/1000000  
  
** HHID  
gen hhid=substr(caseid,1,12)
```

```

sort hhid

** PID
bys hhid: gen pid=_n

** HHSIZE
bys hhid: gen hhsiz=_N

** HHTAG
egen hhtag=tag(hhid)

**
=====
**

** SURVEY SET
gen psu = v021
//gen strata = v022
gen strata = v023
svyset psu [pw = weight], strata(strata) singleunit(scaled)
*svydes

**
=====
**

// RENAME

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

**
=====
**

// GENERATING DEPENDENT VARIABLES

** Child age // if b19 does not exist use: gen b19 = v008-b3
*lookfor b19

capture confirm variable b19
if _rc {
  gen b19 = v008 - b3
  label variable b19 "current age of child in months (months since birth for dead children)"
}

```

*

gen child_age=b19

recode child_age (0/1=1 "0-1") (2/3=2 "2-3") (4/5=3 "4-5") (6/8=4 "6-8") ///
(9/11=5 "9-11") (12/17=6 "12-17") (18/23=7 "18-23") (else=.), gen(child_age_grp)

keep if child_age_grp !=.

**

=====
**

** Child is alive
keep if b5==1

** Child lives with respondent
keep if b9==0

**

=====
**

* finding the youngest child living with the mother for each mother
bysort v001 v002 v003: egen minbidx=min(bidx)

* keep only children less than 2 years
keep if child_age<24

* need to drop those that are bidx==2 and minbidx==1
drop if bidx>minbidx

**

=====
**

gen water=0
gen liquids=0
gen milk=0
gen solids=0
gen breast=0
gen bottle=0

*TO DETERMINE IF CHILD IS GIVEN WATER, SUGAR WATER, JUICE, TEA OR OTHER.
replace water=1 if (v409>=1 & v409<=7)

* IF GIVEN OTHER LIQUIDS
foreach xvar of varlist v409a v410 v410a v412c v413 v413a-v413d {

```
replace liquids=1 if `xvar'>=1 & `xvar'<=7
}
```

```
* IF GIVEN POWDER/TINNED milk, FORMULA OR FRESH milk
foreach xvar of varlist v411 v411a v412 v414p {
replace milk=1 if `xvar'>=1 & `xvar'<=7
}
```

```
* IF STILL BREASTFEEDING
replace breast=1 if m4==95
```

```
* IF WAS EVER BOTTLE FED
replace bottle=1 if m38==1
```

```
*IF GIVEN ANY SOLID FOOD
foreach xvar of varlist v414a-v414w m39a {
replace solids=1 if `xvar'>=1 & `xvar'<=7
}
replace solids=1 if v412a==1 | v412b==1
```

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

```
cap drop diet
gen diet=7
replace diet=0 if water==0 & liquids==0 & milk==0 & solids==0
replace diet=1 if water==1 & liquids==0 & milk==0 & solids==0
replace diet=2 if      liquids==1 & milk==0 & solids==0
replace diet=3 if      milk==1 & solids==0
replace diet=4 if      milk==0 & solids==1
replace diet=5 if      milk==1 & solids==1
replace diet=6 if breast==0
label define diet 0"given only water" 1"given only liquids" 2"given only milks" ///
3"given only solids" 4"given only milk and solids" 5"not still breastfeeding" ///
6"not now being breastfed" 7"What"
label var diet "Breastfeeding status1"
label val diet diet
```

```
gen ebf=0
replace ebf=1 if diet==0
```

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

```
** FEEDING
```

```

gen feeding=1
replace feeding=2 if water==1
replace feeding=3 if liquids==1
replace feeding=4 if milk==1
replace feeding=5 if solids==1
replace feeding=0 if breast==0
label define feeding 0 "Not breastfeeding" 1 "Exclusive breastfeeding" 2 "+Water" 3 "+Liquids" 4
"+Other Milk" 5 "+Solids"
label val feeding feeding

```

```

*creating the predominant breastfeeding variable.
recode feeding (0 4 5=0) (1/3=1), gen(predom)

```

```

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

```

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

```

```

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

```

** Exclusive breastfeeding
recode feeding (1=1 "Exclusive") (else=0 "Not exclusive"), gen(exclusive_feed)
label var exclusive_feed "Breastfeeding and consuming complementary foods"
label val exclusive_feed exclusive_feed

```

```

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

```

** CHECK **
svy: tab exclusive_feed, count format(%4.0f) miss
svy: tab child_age_grp exclusive_feed, percent format(%4.1f) row

```

```

exit

```

```

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

```

** FOR LESS THAN 6 MONTHS **
keep if inrange(b19,0,5)

```

```

svy: tab exclusive_feed, count format(%4.0f) miss
svy: tab child_age_grp exclusive_feed, percent format(%4.1f) row

```

```

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

```

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

exit