
Subject: Re: Calculating cases for IYCF
Posted by [Mlue](#) on Mon, 28 May 2018 08:44:58 GMT
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Hi,

See the following:

For Stata

```
/*
USE THE CHILDREN'S RECODE: MWKR7HFL
Malawi: Standard DHS, 2015-16

*/

clear all
set matsize 800
set maxvar 10000
set mem 1g
cd "..."
use "MWKR7HFL", clear
set more off

*****

** WEIGHT VARIABLE
gen weight = v005/1000000

*****

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

*****

// RENAME

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

////////////////////////////////////
```

// GENERATING DEPENDENT VARIABLES

```
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)  
svy: tab child_age_grp, count format(%4.0f)
```

```
*keep if child_age_grp !=.
```

```
* keep only children less than 2 years  
keep if child_age<24 & b5==1
```

```
*+++++*  
+++++*
```

* IF WAS EVER BOTTLE FED

```
gen bottle=0  
replace bottle=1 if m38==1  
label define bottle 0"No" 1"Yes"  
label var bottle "Percentage using a bottle with a nipple?."  
label val bottle bottle
```

```
gen bottle2=0  
replace bottle2 = 1 if m38==1 & inrange(m4,93,99)  
replace bottle2 = 0 if (m38==0 & m38==9) & inrange(m4,93,99)  
label define bottle2 0"No" 1"Yes"  
label var bottle2 "Percentage using a bottle with a nipple?"  
label val bottle2 bottle2
```

```
*****
```

*** DELIVERY

```
cap drop place_delivery  
recode m15 (21/36=1 "Health facility") (11/12=2 "At home") ///  
(else=3 "Other/Missing"), gen(place_delivery)  
label var place_delivery "Place of delivery"  
label val place_delivery place_delivery
```

** SKILLED BIRTH ATTENDANT

```
cap drop skilled_birth  
gen skilled_birth = 3  
replace skilled_birth = 1 if (m3a==1 | m3b==1)  
replace skilled_birth = 2 if m3g==1 & (m3b!=1)  
replace skilled_birth = 4 if m3n==1  
label define skilled_birth 1"Health professional" 2"Traditional birth attendant" ///
```

```

3"Other" 4"No one"
label var skilled_birth "Birth delivered by skilled birth attendant"
label val skilled_birth skilled_birth

```

```

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

```

```

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

```

```

*****

```

```

** CHECK: Table 11.3 Percentage using a bottle with a nipple as on the report
svy: tab child_age_grp bottle, count format(%4.0f)
svy: tab child_age_grp bottle, percent format(%4.1f) row

```

```

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

```

```

exit

```

```

*****

```

For SPSS

```

GET
  STATA FILE='...\MWKR7HFL.DTA'.
DATASET NAME DataSet2 WINDOW=FRONT.

```

```

*****

```

```

*****
.
COMPUTE weight = v005/1000000.
COMPUTE strata = v023.
COMPUTE psu = v021.

```

```

WEIGHT BY weight.

```

```

***+++++*****
+++++*****
COMPUTE child_age = b19.

```

```

SELECT IF child_age <24 AND B5=1.

```

```

RECODE child_age (0,1 = 1) (2,3 = 2) (4,5=3) (6,7,8=4) (9 thru 11 = 5) (12 thru 17=6)

```

```

(18 thru 23=7) INTO child_age_grp.
VARIABLE LABELS child_age_grp "Age of child in months".
VALUE LABELS child_age_grp 1 "0-1" 2 "2-3" 3 "4-5" 4 "6-8" 5 "9-11" 6 "12-17" 7 "18-23".

```

```

*****
*****

```

```

/** IF CHILD WAS EVER BOTTLE FED **/.
COMPUTE bottle = 0.
  IF M38=1 bottle = 1.
EXECUTE.
VALUE LABELS bottle 0 "No" 1 "Yes".
VARIABLE LABELS bottle "Percentage using a bottle with a nipple?".

```

```

/** DELIVERY CARE **/.
RECODE M15 (21 THRU 36=1) (11 THRU 12=2) (ELSE=3) INTO place_delivery.
VALUE LABELS place_delivery 1 "Health facility" 2 "At home" 3 "Other/Missing".
VARIABLE LABELS place_delivery "Place of delivery".

```

```

/** SKILLED BIRTH ATTENDANT **/.
COMPUTE skilled_birth=3.
IF m3a=1 OR m3b=1 skilled_birth=1.
IF m3g=1 AND m3b NE 1 skilled_birth=2.
IF m3n=1 skilled_birth=4.
VALUE LABELS skilled_birth 1 "Health professional" 2 "Traditional birth attendant" 3 "Other" 4
"No one".
VARIABLE LABELS skilled_birth "Type of attendant at birth".

```

```

// CHECK //.

```

```

* Analysis Preparation Wizard.
CSPLAN ANALYSIS
/PLAN FILE='...\Malawi.csaplan'
/PLANVARS ANALYSISWEIGHT=weight
/SRSESTIMATOR TYPE=WOR
/PRINT PLAN
/DESIGN STRATA=strata CLUSTER=psu
/ESTIMATOR TYPE=WR.

```

```

*****

```

```

* Complex Samples Crosstabs.
CSTABULATE
/PLAN FILE='...\Malawi.csaplan'
/TABLES VARIABLES=child_age_grp BY bottle
/CELLS POPSIZE
/STATISTICS SE
/MISSING SCOPE=TABLE CLASSMISSING=EXCLUDE.

```

CROSSTABS

```
/TABLES=child_age_grp BY bottle  
/FORMAT=AVALUE TABLES  
/CELLS=ROW  
/COUNT ROUND CELL.
```

/*

CROSSTABS

```
/TABLES=child_age_grp BY bottle  
/FORMAT=AVALUE TABLES  
/CELLS=COUNT  
/COUNT ROUND CELL.
```

/*

```
FREQUENCIES VARIABLES=bottle place_delivery skilled_birth child_age_grp child_age  
/ORDER=ANALYSIS.
```

For SAS

/*

```
IMPORT THE CHILDREN'S RECODE (Stata file): MWKR7HFL  
Malawi: Standard DHS, 2015-16
```

*/

```
PROC IMPORT DATAFILE="...\MWKR7HFL"  
DBMS=DTA  
OUT=WORK.MALAWI_DHS_15  
REPLACE;  
RUN;
```

```
DATA BOTTLE_FEEDING;  
SET WORK.MALAWI_DHS_15;
```

```
weight = (v005/1000000);  
strata = v023;  
psu = v021;
```

```
child_age = b19;
```

```
IF child_age <24 & b5=1;
```

```
FORMAT BOTTLE $6. place_delivery $17. skilled_birth $30.;
```

```
/** CHILD AGE GROUPS IN MONTHS **/
```

```
IF child_age in(0:1) THEN child_age_grp = "00-01";  
IF child_age in(2:3) THEN child_age_grp = "02-03";  
IF child_age in(4:5) THEN child_age_grp = "04-05";  
IF child_age in(6:8) THEN child_age_grp = "06-08";  
IF child_age in(9:11) THEN child_age_grp = "09-11";  
IF child_age in(12:17) THEN child_age_grp = "12-17";  
IF child_age in(18:23) THEN child_age_grp = "18-23";  
*IF child_age not in(0:23) THEN child_age_grp = .;  
LABEL child_age_grp = "Age group of child in months";
```

```
/** IF CHILD WAS EVER BOTTLE FED **/
```

```
IF m38 in(1) THEN bottle="1. Yes";  
IF m38 not in(1) THEN bottle="0. No";  
LABEL bottle = "Percentage using a bottle with a nipple?";
```

```
/** DELIVERY CARE **/
```

```
IF M15 in(21:36) THEN place_delivery="1. Health facility";  
IF M15 in(11:12) THEN place_delivery="2. At home";  
IF M15 not in(11:12,21:36) THEN place_delivery="3. Other/Missing";  
LABEL place_delivery = "Place of delivery";
```

```
/** SKILLED BIRTH ATTENDANT **/
```

```
*IF m3a = 1 OR m3b = 1 = 1 THEN skilled = 1; *else  
*IF m3a OR m3b NE 1 THEN skilled = 0;
```

```
skilled_birth1=3;
```

```
IF m3a=1 OR m3b=1 THEN skilled_birth1=1;  
IF m3g=1 AND m3b NE 1 THEN skilled_birth1=2;  
IF m3n=1 THEN skilled_birth1=4;
```

```
IF skilled_birth1=1 THEN skilled_birth="1. Health professional";  
IF skilled_birth1=2 THEN skilled_birth="2. Traditional birth attendant";  
IF skilled_birth1=3 THEN skilled_birth="3. Other";  
IF skilled_birth1=4 THEN skilled_birth="4. No one";  
LABEL skilled_birth = "Type of attendant at birth";
```

```
PROC TEMPLATE;
```

```
EDIT BASE.FREQ.CROSSTABFREQS;
```

```
EDIT FREQUENCY;
```

```
FORMAT=BEST12.;
```

```
END;
```

```
END;
```

RUN;

PROC FREQ DATA=WORK.BOTTLE_FEEDING;

WEIGHT weight;

*TABLE bottle place_delivery skilled_birth1 skilled_birth;

TABLE child_age_grp * bottle /NOCOL NOROW NOPERCENT;

RUN;

File Attachments

1) [Table 11.3 - Percentage using a bottle with a nipple _ Malawi 2015-16 DHS by Tsawe _ SPSS syntax.txt](#), downloaded 665 times

2) [Table 11.3 - Percentage using a bottle with a nipple _ Malawi 2015-16 DHS by Tsawe _ SAS program.txt](#), downloaded 651 times

3) [Table 11.3 - Percentage using a bottle with a nipple _ Malawi 2015-16 DHS by Tsawe _ Stata do file.txt](#), downloaded 752 times
