Subject: Re: Calculating cases for IYCF
Posted by Mlue on Thu, 24 May 2018 08:48:07 GMT
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Hi Roselync,

Try this one, maybe it may help you replicate tables 11.2 and 11.3

FOR TABLE 11.2

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

 BY: Mluleki Tsawe
      {University of the Western Cape, South Africa}

 TO REPLICATE TABLE 11.2 - INITIAL BREASTFEEDING
*/

clear all
set matsize 800
set maxvar 10000
set mem 1g
cd "..." /*your path here...*/
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)
*svydes

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

// RENAME

rename v013 age_woman
rename v106 education
rename v190 wealth
```

```
rename v025 residence
rename v024 region
*rename sdist district

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

// 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 only children less than 2 years
keep if child_age<24
*keep if b9==0* /* not needed for this table*/

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

* need to drop those that are bidx==2 and minbidx==1
drop if bidx>minbidx
/*keep 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 v410*  v413* {
replace liquids=1 if `xvar'>=1 & `xvar'<=7
}
*
cap replace liquids=1 if v412c>=1 & v412c<=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

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)

*IF GIVEN ANY SOLID FOOD
foreach xvar of varlist v414* {
replace solids=1 if `xvar'>=1 & `xvar'<=7
}
*
replace solids=1 if v412a==1 | v412b==1

cap drop diet
gen diet=.
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

*diet=0: given only water (full bf)
*diet=1: given only liquids (bf & liquids)
*diet=2: given only milks (bf & milk)
*diet=3: given only solids (bf & solids)
*diet=4: given only milk and solids (bf & milk & solids)
*diet=5: not still breastfeeding (weaned)
*diet=6: not now being breastfed (m4~=95)

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)

*******************************************
recode m4 (93 95=1 "Yes") (else=0 "No"), gen(ever_breastfed)
label var ever_breastfed "Ever breastfed"
label var ever_breastfed "Child ever breastfed?"
label val ever_breastfed ever_breastfed
svy: tab ever_breastfed, count format(%4.0f)
svy: tab ever_breastfed, percent format(%4.1f)

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

/** CHILD BREASTFED WITHIN ONE HOUR **/
recode m34 (0/100=1 "Yes") (else=0 "No"), gen(within_hour)
label var within_hour "Child put to breast within an hour?"
label val within_hour within_hour
svy: tab b4 within_hour, percent format(%4.1f) row

/** CHILD BREASTFED WITHIN ONE DAY **/
recode m34 (0/200=1 "Yes") (else=0 "No"), gen(within_one_day)
label var within_one_day "Child put to breast within one day?"
label val within_one_day within_one_day
svy: tab b4 within_one_day, percent format(%4.1f) row

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

*** 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
svy: tab place_delivery within_one_day, percent format(%4.1f) row

** 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
*tab skilled_birth [iw=weight], m
svy: tab skilled_birth ever_breastfed, percent format(%4.1f) row

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

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

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

** CHECK:

// Table 11.2 Percentage ever breastfed //

svy: tab b4 ever_breastfed, percent format(%4.1f) row
svy: tab skilled_birth ever_breastfed, percent format(%4.1f) row
svy: tab place_delivery ever_breastfed, percent format(%4.1f) row
svy: tab residence ever_breastfed, percent format(%4.1f) row
svy: tab region ever_breastfed, percent format(%4.1f) row
svy: tab education ever_breastfed, percent format(%4.1f) row
svy: tab wealth ever_breastfed, percent format(%4.1f) row

/*
svy: tab b4 ever_breastfed, count format(%4.0f)
svy: tab skilled_birth ever_breastfed, count format(%4.0f)
svy: tab place_delivery ever_breastfed, count format(%4.0f)
svy: tab residence ever_breastfed, count format(%4.0f)
svy: tab region ever_breastfed, count format(%4.0f)
svy: tab education ever_breastfed, count format(%4.0f)
svy: tab wealth ever_breastfed, count format(%4.0f)
*/

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

// Table 11.2 Percentage who started breastfeeding within 1 hour of birth //

svy: tab b4 within_hour, percent format(%4.1f) row
svy: tab skilled_birth within_hour, percent format(%4.1f) row
svy: tab place_delivery within_hour, percent format(%4.1f) row
```

```
svy: tab residence within_hour, percent format(%4.1f) row
svy: tab region within_hour, percent format(%4.1f) row
svy: tab education within_hour, percent format(%4.1f) row
svy: tab wealth within_hour, percent format(%4.1f) row

/*
svy: tab b4 within_hour, count format(%4.0f)
svy: tab skilled_birth within_hour, count format(%4.0f)
svy: tab place_delivery within_hour, count format(%4.0f)
svy: tab residence within_hour, count format(%4.0f)
svy: tab region within_hour, count format(%4.0f)
svy: tab education within_hour, count format(%4.0f)
svy: tab wealth within_hour, count format(%4.0f)
*/

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

// Table 11.2 Percentage who started breastfeeding within 1 day of birth //

svy: tab b4 within_one_day, percent format(%4.1f) row
svy: tab skilled_birth within_one_day, percent format(%4.1f) row
svy: tab place_delivery within_one_day, percent format(%4.1f) row
svy: tab residence within_one_day, percent format(%4.1f) row
svy: tab region within_one_day, percent format(%4.1f) row
svy: tab education within_one_day, percent format(%4.1f) row
svy: tab wealth within_one_day, percent format(%4.1f) row

/*
svy: tab b4 within_one_day, count format(%4.0f)
svy: tab skilled_birth within_one_day, count format(%4.0f)
svy: tab place_delivery within_one_day, count format(%4.0f)
svy: tab residence within_one_day, count format(%4.0f)
svy: tab region within_one_day, count format(%4.0f)
svy: tab education within_one_day, count format(%4.0f)
svy: tab wealth within_one_day, count format(%4.0f)
*/

exit



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

FOR TABLE 11.3

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)
*svydes

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

// RENAME

rename v013 age_woman
rename v106 education
rename v190 wealth
rename v025 residence
rename v024 region
*rename sdist district

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

// 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
keep if b9==0

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

```
* need to drop those that are bidx==2 and minbidx==1
drop if bidx>minbidx
/*keep 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 v410*  v413* {
replace liquids=1 if `xvar'>=1 & `xvar'<=7
}
*
cap replace liquids=1 if v412c>=1 & v412c<=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

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)

*IF GIVEN ANY SOLID FOOD
foreach xvar of varlist v414* {
replace solids=1 if `xvar'>=1 & `xvar'<=7
}
*
replace solids=1 if v412a==1 | v412b==1

cap drop diet
gen diet=.
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" ///
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label var diet "Breastfeeding status1"

*diet=0: given only water (full bf)
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*diet=3: given only solids (bf & solids)
*diet=4: given only milk and solids (bf & milk & solids)
*diet=5: not still breastfeeding (weaned)
*diet=6: not now being breastfed (m4~=95)

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)
svy: tab predom if age<6, count percent format(%4.0f) col

*********************************************
/*recode m4 (93 95=1) (else=0), gen(ever_breastfed)
label var ever_breastfed "Ever breastfed"
label val ever_breastfed ever_breastfed*/

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

/** CHILD BREASTFED WITHIN ONE HOUR **/
```

```
*recode m34 (0/100=1 "Yes") (else=0 "No"), gen(within_hour)
*label var within_hour "Child put to breast within an hour?"
*label val within_hour within_hour
*svy: tab b4 within_hour, percent format(%4.1f) row

/** CHILD BREASTFED WITHIN ONE DAY **/
*recode m34 (0/200=1 "Yes") (else=0 "No"), gen(within_one_day)
*label var within_one_day "Child put to breast within one day?"
*label val within_one_day within_one_day
*svy: tab b4 within_one_day, percent format(%4.1f) row

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

*** 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 feeding if v208 !=0 [pw=weight]
drop if e(sample)!=1

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

** CHECK: Table 11.3 Breastfeeding status by age as in the report
svy: tab child_age_grp feeding, count format(%4.0f)
svy: tab child_age_grp feeding, percent format(%4.1f) row

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

exit
```