

Hello

I am trying to generate IYCF indicators for Sierra Leone 2017 MICS Table TC.7.7: Infant and young child feeding (IYCF) practices, minimum dietary diversity, minimum meal frequency and minimum acceptable diet correct estimates are generated for currently breastfeeding and at least 2 milk feeds for currently not breastfeeding, but minimum meal frequency estimates generated are very close to table ones for among all but not for currently not breastfeeding, minimum dietary diversity estimates are not correct for both currently not breastfeeding and among all, I am trying to troubleshoot and understand how same definition is working for breastfeeding but not for currently not breastfeeding and among all although total (N) coming is correct.

For MICS surveys for duration of breastfeeding there are two variables 1) ever been breastfed 2) still being breastfed as per my understanding from Nigeria surveys still being is currently breastfeeding and ever been breastfed is currently not breastfeeding although for MICS 2010 I used only still being breastfed and got correct estimates for both current and not currently breastfed children would like your suggestion for this.

Following is the code I used:

```
** keep youngest child if under 24 **  
keep if CAGE < 24
```

```
//currently breastfed  
gen bf_curr= BD3==1  
label values bf_curr yesno  
label var bf_curr "Currently breastfeeding"
```

```
*** Foods and Liquids consumed ***
```

```
** Liquids**
```

```
//Given infant formula  
gen inf_formula= BD7D==1  
label values inf_formula yesno  
label var inf_formula "Child given infant formula"
```

```
//Given other milk, including fresh, tinned, and powdered animal milk  
gen othr_milk= BD7E==1  
label values othr_milk yesno  
label var othr_milk "Child given other milk"
```

```
//Given other liquids, including juice, juice drinks, clear broth, or other non-milk liquids. Does not  
include plain water  
gen othr_liquids= BD7B==1 | BD7C==1 | BD7X==1
```

label values othr_liquids yesno
label var othr_liquids "Child given other liquids"

**** Solid or Semi-Solid foods****

//Given fortified baby food
gen forti_bbyfood= BD8B==1
label values forti_bbyfood yesno
label var forti_bbyfood "Child given fortified baby food"

//Given grains
gen grains= BD8C==1
label values grains yesno
label var grains "Child given grains"

//Given Vit A rich foods
gen vita= BD8D==1 | BD8F==1 | BD8G==1
label values vita yesno
label var vita "Child given vitamin A rich food"

//Given other fruits and vegetables
gen othr_frtveg= BD8H==1
label values othr_frtveg yesno
label var othr_frtveg "Child given other fruits or vegetables"

//Given roots and tubers
gen root_tubers= BD8E==1
label values root_tubers yesno
label var root_tubers "Child given roots or tubers"

//Given legumes or nuts
gen legumes_nuts= BD8M==1
label values legumes_nuts yesno
label var legumes_nuts "Child given legumes or nuts"

//Given meat, fish, shellfish, or poultry
gen meatfish= BD8I==1 | BD8J==1 | BD8L==1
label values meatfish yesno
label var meatfish "Child given meat, fish, shellfish, or poultry"

//Given eggs
gen eggs= BD8K==1
label values eggs yesno
label var eggs "Child given eggs"

//Given dairy
gen dairy= BD8A==1 | BD8N==1
label values dairy yesno

label var dairy "Child given cheese, yogurt, or other milk products"

//Given other solid or semi-solid foods

gen solids= forti_bbyfood==1 | grains==1 | vita==1 | othr_frtveg==1 | root_tubers==1 |

legumes_nuts==1 | meatfish==1 | eggs==1 | dairy==1 | BD8X==1

label values solids yesno

label var solids "Child given any solid or semisolid food"

*** Minimum feeding indicators ***

//Fed milk or milk products

gen milkf = 0

replace milkf=milkf + BD7D1 if BD7D1<8

replace milkf=milkf + BD7E1 if BD7E1<8

replace milkf=milkf + BD8A1 if BD8A1<8

gen fed_milk= (milkf>=2 | BD3==1) if inrange(CAGE,6,23)

label values fed_milk yesno

label var fed_milk "Child given milk or milk products"

//Min dietary diversity

* 8 food groups

*1. breastmilk

gen group1= BD3==1

*2. foods made from grains, roots, tubers, and bananas/plantains, including porridge and fortified baby food from grains

gen group2= grains==1 | root_tubers==1 | forti_bbyfood==1

*3. legumes and nuts

gen group3= legumes_nuts==1

*4. infant formula, milk other than breast milk, cheese or yogurt or other milk products

gen group4= inf_formula==1 | othr_milk==1 | dairy==1

*5. meat, poultry, fish, and shellfish (and organ meats)

gen group5= meatfish==1

*6. eggs

gen group6= eggs==1

*7. vitamin A-rich fruits and vegetables

gen group7= vita==1

*8. other fruits and vegetables

gen group8= othr_frtveg==1

```
* add the food groups
egen foodsum = rsum(group1 group2 group3 group4 group5 group6 group7 group8)
  recode foodsum (1/4 .= 0 "No") (5/8=1 "Yes"), gen(mdd)
replace mddnew=. if CAGE<6
label values mdd yesno
label var mdd "Child with minimum dietary diversity, 5 out of 8 food groups-among children 6-23
months"
```

```
//Min meal frequency
gen feedings=milkf
replace feedings= feedings + BD9 if BD9>0 & BD9<8
gen mmf = (BD3==1 & inrange(BD9,2,7) & inrange(CAGE,6,8)) | (BD3==1 & inrange(BD9,3,7) &
inrange(CAGE,9,23)) | (BD3!=1 & feedings>=4 & inrange(CAGE,6,23))
replace mmf=. if CAGE<6
label values mmf yesno
label var mmf "Child with minimum meal frequency- 6-23 months"
```