
Subject: IYCF indicators for nigeria 2008
Posted by [anum.ali](#) on Fri, 09 Dec 2022 03:50:43 GMT
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Hello I am unable to understand definitions for IYCF indicators for nigeria dhs 2008

Among non-breastfed children age 6-23 months, percentage fed:

- A) 4+ times or more
- B) with 3 IYCF practices

Among all children age 6-23 months, percentage fed:

- A) 3+ or 4+ food groups
- B) Minimum times or more
- C) with all 3 IYCF practices

what is the stata code for developing following indicators was able to generate correct estimates for rest of indicators in table except these need help with this please unable to correct estimates for these indicators

Subject: Re: IYCF indicators for nigeria 2008
Posted by [Janet-DHS](#) on Tue, 13 Dec 2022 21:28:39 GMT
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Following is a response from DHS staff member Tom Pullum:

Are you trying to match numbers in a specific table in the final report on this survey? If so, which table?

Subject: Re: IYCF indicators for nigeria 2008
Posted by [anum.ali](#) on Wed, 14 Dec 2022 18:48:04 GMT
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thanks for the reply

yes I am trying to generate Nigeria 2008 Table 11.6 Infant and young child feeding (IYCF) practices have used the definition as of 2018, for all indicators in 2008 correct estimates are being generated except that minimum meal frequency for non-breastfed and among all children are not generating correct estimates although the same definition and coding is giving correct estimates among breastfed children, as result minimum acceptable diet can't be generated for non-breastfed and among all children, following is the code I used

gen age = v008 - b3

* keep youngest child if under 24 months and living with mother **
keep if age < 24 & b9 == 0

* and keep the last born of those.

* if caseid is the same as the prior case, then not the last born
keep if _n == 1 | caseid != caseid[_n-1]

//currently breastfed
gen bf_curr= m4==95
label values bf_curr yesno
label var bf_curr "Currently breastfeeding"

//Given infant formula
gen inf_formula= v411a==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= v411==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= v413==1
label values othr_liquids yesno
label var othr_liquids "Child given other liquids"

** Solid or Semi-Solid foods**

//Given grains
gen grains= v412a==1 | v414e==1 | v412b==1
label values grains yesno
label var grains "Child given grains"

//Given Vit A rich foods
gen vita= v414i==1 | v414j==1 | v414k==1
label values vita yesno
label var vita "Child given vitamin A rich food"

//Given other fruits and vegetables
gen othr_frtveg= v414l==1
label values othr_frtveg yesno
label var othr_frtveg "Child given other fruits or vegetables"

//Given roots and tubers

gen root_tubers= v414f==1
label values root_tubers yesno
label var root_tubers "Child given roots or tubers"

//Given legumes or nuts
gen legumes_nuts= v414o==1
label values legumes_nuts yesno
label var legumes_nuts "Child given legumes or nuts"

//Given meat, fish, shellfish, or poultry
gen meatfish= v414h==1 | v414m==1 | v414n==1
label values meatfish yesno
label var meatfish "Child given meat, fish, shellfish, or poultry"

//Given eggs
gen eggs= v414g==1
label values eggs yesno
label var eggs "Child given eggs"

//Given dairy
gen dairy= v414p==1
label values dairy yesno
label var dairy "Child given cheese, yogurt, or other milk products"

//Given oil,fat & butter
gen fats= v414q==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= grains==1 | vita==1 | othr_frtveg==1 | root_tubers==1 | legumes_nuts==1 |
meatfish==1 | eggs==1 | dairy==1 | fats==1 | v414s==1
label values solids yesno
label var solids "Child given any solid or semisolid food"

//Min dietary diversity

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

gen group1= grains==1 | root_tubers==1

*2. legumes and nuts

gen group2= legumes_nuts==1

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

gen group3= inf_formula==1 | othr_milk==1 | dairy==1

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

gen group4= meatfish==1

*5. eggs

gen group5= eggs==1

*6. vitamin A-rich fruits and vegetables

gen group6= vita==1

*7. other fruits and vegetables

gen group7= othr_frtveg==1

*8 oil,fats and butter

gen group8= fats==1

Among breastfed

3+ food groups for breastfed children

```
egen foodsum = rsum(group1 group2 group3 group4 group5 group6 group7 group8)
```

```
recode foodsum (1/2 .=0 "No") (3/8=1 "Yes"), gen(mdd3)
```

```
replace mdd3=. if age<6
```

```
label values mdd3 yesno
```

```
label var mdd3 "Child with minimum dietary diversity, 3 out of 8 food groups- last-born 6-23 months"
```

//Min meal frequency

Minimum times or more (at least twice a day for breastfed infants 6-8 months and at least three times a day for breastfed children 9-23 months)

```
gen feedings=milkf
```

```
replace feedings= feedings + m39 if m39>0 & m39<8
```

```
gen mmf = (m4==95 & inrange(m39,2,7) & inrange(age,6,8)) | (m4==95 & inrange(m39,3,7) & inrange(age,9,23)) | (m4!=95 & feedings>=4 & inrange(age,6,23))
```

```
replace mmf=. if age<6
```

```
label values mmf yesno
```

```
label var mmf "Child with minimum meal frequency- last-born 6-23 months"
```

//Min acceptable diet

Both 3+ food groups and minimum times or more

```
gen mad = (m4==95 & mdd3==1 & mmf==1)
```

```
replace mad=. if age<6
```

```
label values mad yesno
```

```
label var mad "Child with minimum acceptable diet- last-born 6-23 months"
```

***** Among non breastfeeding*****

```
//Fed milk or milk products
Among non-breastfed children age 6-23 months, percentage fed:
gen milkf = 0
replace milkf=milkf + v411 if v411==1
replace milkf=milkf + v411a if v411a==1
replace milkf=milkf + v414p if v414p==1
gen fed_milk= ( milkf>=2 | m4==95) if inrange(age,6,23)
label values fed_milk yesno
label var fed_milk "Child given milk or milk products"
```

**** Among all children*****

```
3+ or 4+ food groups
gen bf_group3=0
replace bf_group3=1 if mdd3==1 & bf_curr==1
gen nonbf_group4=0
replace nonbf_group4=1 if mdd4==1 & bf_curr==0
gen all_group3_4=0
replace all_group3_4=1 if bf_group3==1 | nonbf_group4==1
replace all_group3_4=. if age<6
label variable all_group3_4 "Among all children 6-23 months fed 3+ or 4+ food groups"
```

Subject: Re: IYCF indicators for nigeria 2008
Posted by [Bridgette-DHS](#) on Fri, 23 Dec 2022 13:01:48 GMT
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Following is a response from DHS Lead Nutrition Research Associate, Rukundo Benedict:

Dear User,

Thank you for sharing your code. You are on the right track and most of your code is correct. Below I've indicated the changes you need to make to your code to have it match table 11.6.

1. You didn't define mdd4 (or else you didn't include in what you shared). So edit as follows:

*Among breastfed & Non-breastfed

*3+ food groups for breastfed children & 4+ groups nonbreastfed

```
egen foodsum = rsum(group1 group2 group3 group4 group5 group6 group7 group8)
recode foodsum (1/2 .=0 "No") (3/8=1 "Yes"), gen(mdd3)
recode foodsum (1/3 .=0 "No") (4/8=1 "Yes"), gen(mdd4)
```

```

replace mdd3=. if age<6
replace mdd4=. if age<6
label values mdd3 yesno
label var mdd3 "Child with minimum dietary diversity, 3 out of 8 food groups- last-born 6-23 months"
label values mdd4 yesno
label var mdd4 "Child with minimum dietary diversity, 4 out of 8 food groups- last-born 6-23 months"

```

2. I made a small edit for how to count mmf among non-breastfeeding infants and deleted some of your code

```

//Min meal frequency
*Minimum times or more (at least twice a day for breastfed infants 6-8 months and at least three times a day for breastfed children 9-23 months)

```

```

gen feedings=milkf
replace feedings= feedings + m39 if m39>0 & m39<8
gen mmf = (m4==95 & inrange(m39,2,7) & inrange(age,6,8)) | (m4==95 & inrange(m39,3,7) & inrange(age,9,23)) | (m4!=95 & inrange(m39,4,7) & inrange(age,6,23))
replace mmf=. if age<6
label values mmf yesno
label var mmf "Child with minimum meal frequency- last-born 6-23 months"

```

3. Your code for milk and milk products for non-breastfed children was not correct and you should use the following:

```

gen milk_milkp= group3 if inrange(age,6,23) & bf_curr==0

```

4. To calculate breastmilk or milk products among all children, I used some of your milkf code and edited. You should use the following:

```

gen milkf = 0
replace milkf=milkf + v411 if v411==1
replace milkf=milkf + v411a if v411a==1
replace milkf=milkf + v414p if v414p==1
gen fed_milk= ( milkf>=2 | m4==95|milk_milkp) if inrange(age,6,23)
label values fed_milk yesno
label var fed_milk "Child given breastmilk or milk products"

```

As a side note, depending on your analyses, you may want to consider using the most recent definitions of the WHO-UNICEF IYCF indicators

<https://www.who.int/publications/i/item/9789240018389>. The pdf includes some also template code for how to calculate/re-calculate these indicators. You can also review the DHS Program git-hub site which has code for how to re-calculate MDD (5 out of 8 food groups).

Thanks,
Rukundo
