HI DHS

Thanks for taking the time to respond. Thanks for CSPro text file. Unfortunately, I was not able get what I needed, but I am making some progress to pull my own weight.
Ok. Back to Table 11.8 for Mozambique: Standard DHS, 2022-23, KR Dataset.

I was able to replicate nt_mdd (minimum dietary diversity) for (1) breast-fed, (2) non-breastfed and (3) both. Yay!
I was able to replicate nt_mmf (minimum meal frequency) for (1) breast-fed but not in the non-breastfed group.

 https://dhsprogram.com/Data/Guide-to-DHS-Statistics/Minimum_
Dietary_Diversity_Minimum_Meal_Frequency_Minimum_Milk_Feedin
g_Frequency_and_Minimum.htm
According to the new guideline noted above, I think there might be something I am not figuring out for non-breastfeeding group. Below is the rule:

2)   A minimum meal frequency during the previous day or night of:
a)   2 or more solid, semi-solid or soft feeds for breastfeeding children age 6-8 months, or
b)   3 or more solid, semi-solid or soft feeds for breastfeeding children age 9-23 months; or
c)   4 or more solid, semi-solid or soft food or milk feeds for non-breastfeeding children age 6-23 months where at least one of the feeds must be a solid, semi-solid, or soft feed.

I think it is c) that may be the problem. As for a) and b), I was able to replicate that because nt_mmf is correct in table 11.8.
The word of c) or for non-breastfeeding children is bit tricky to interpret and I tried many combination.

Below is the code from the DHS Github site. I am only pasting variables and lines that are necessary.
 https://github.com/DHSProgram/DHS-Indicators-Stata/blob/mast
er/Chap11_NT/DHS8/NT_IYCF.do

```
//Fed milk or milk products
gen totmilkf = 0
replace totmilkf=totmilkf + v469e if v469e<8
replace totmilkf=totmilkf + v469f if v469f<8
replace totmilkf=totmilkf + v469x if v469x<8
gen nt_milkfeeds= ( totmilkf>=2 | m4==95) if inrange(age,6,23)
replace nt_milkfeeds=. if m4==95
label values nt_milkfeeds yesno
label var nt_milkfeeds "Non-breastfed child given at least two milk feeds in day/night before
survey- youngest child age 6-23 months"
```

//Min meal frequency
gen feedings=totmilkf
replace feedings= feedings + m39 if m39>0 & m39<8
gen nt_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 nt_mmf=. if age<6
label values nt_mmf yesno
label var nt_mmf "Child with minimum meal frequency- youngest child 6-23 months"

Here may be where the problem is: gen nt_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))
More specifically, the latter third: ...... | (m4!=95 & feedings>=4 & inrange(age,6,23))

. tab nt_mmf [iw=wt] if m4!=95

nt_mmf	Freq.	Percent	Cum.
0	493.75178	80.61	80.61
1	118.7828269	19.39	100.00
Total	612.534607	100.00	

. tab nt_mmf [iw=wt]

nt_mmf	Freq.	Percent	Cum.
0	1,951.5073	72.90	72.90
1	725.393534	27.10	100.00
Total	2,676.9009	100.00	

The nt_mmf overestimate by more than 2.1% for non-breastfed group and about 0.5% for overall.

I tried below to account for where at least one of the feeds must be a solid, semi-solid, or soft feed
for non-breastfed group.

gen nt_mmf1 = (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) & inrange(m39,1,7))
I made the changes on my own based on recommendation below which is also from DHS
website.

2)   A minimum meal frequency:

a)   Defined for breastfed children as receiving solid or semi-solid foods

b)   at least twice a day for infants 6-8 months (m4 = 95 & b19 in 6:8 & m39 in 2:7) or

c)   at least three times a day for children 9-23 months (m4 = 95 & b19 in 9:23 & m39 in 3:7)

d)   Defined for non-breastfed children age 6-23 months as receiving solid, semi-solid, or soft

1:7) plus v469f (if in 1:7) plus v469x (if in 1:7 and v413a = 1) >= 2) plus solid feeds (m39 if in 1:7) >= 4) where at least one of the feeds must be a solid, semi-solid, or soft food (m39 in 1:7)

. tab nt_mmf1 [iw=wt] if m4!=95

```
  nt_mmf1 |    Freq.    Percent    Cum.
----------+-----------------------------------
        0 | 494.561481     80.74     80.74
        1 | 117.973126     19.26    100.00
----------+-----------------------------------
    Total | 612.534607    100.00
```

. tab nt_mmf1 [iw=wt]

```
  nt_mmf1 |    Freq.    Percent    Cum.
----------+-----------------------------------
        0 |1,952.31705     72.93     72.93
        1 | 724.583833     27.07    100.00
----------+-----------------------------------
    Total | 2,676.9009    100.00
```

The % is slightly better than before.

So here is the request. Can you confirm below? More specifically, just the part where it begins from m4!=95 for non-breast fed group.

gen nt_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))

I think the wording of the new guideline may not have caught on with the community.
Thanks so much.