Subject: Re: SSU variables in the Mauritania DHS2019-2021
Posted by kinden on Wed, 27 Mar 2024 21:45:54 GMT
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Thank you so much once again, Bridgette.
It is very useful to confirm that 5016 is the sum of the weighted frequencies in the BR file.

And yes, I would like to restrict the data to women who are pregnant at the time of the survey (v213=1), and to the most recent birth (bidx=1) and I want to know how many of those births were before or after August 2019, by region, assuming that most pregnant women delivered one baby at their last birth.
The reasons why I am interested in before/after August 2019 are that the intervention of my interest has started since December 2018 (9 months before August 2019) and that I would like to analyze key issues around ANC service delivery.

What I still do not understand from your two useful responses is why the number of livebirths after August 2019 is different between the data from the first response (1,623.14 - weighted) and those from the second response (13.697 - unweighted?)?
These numbers are supposed to be similar as no women will be able to deliver another baby from August 2019 onwards during the survey period, non?

* Number of births in the Mauritania 2019-21 survey before/after August 2019, by region

use "C:\Users\26216\ICF\Analysis - Shared Resources\Data\DHSdata\MRBR71FL.DTA", clear

* Find the cmc for August 2019
summarize b3 if b1==8 & b2==2019
* August 2019 is b3=1436

* Construct a variable for the timing of births in the birth histories
gen birthdate=1
replace birthdate=2 if b3==1436
replace birthdate=3 if b3>1436

label define bd 1 "Before August 2019" 2 "In August 2019" 3 "After August 2019"
label values birthdate bd
tab v024 birthdate [iweight=v005/1000000]

Here is the table of weighted frequencies:

		birthdate		
region	Before Au	In August	After Aug	Total
hodh echargui	5,398.926	40.237882	165.757235	5,604.9211
hodh gharbi	4,306.5666	28.994562	137.206754	4,472.768
assaba	3,542.996	19.488518	85.435286	3,647.92

```
           gorgol | 3,866.476   21.88072  100.96081 | 3,989.317
           brakna | 2,995.976  21.032225  97.846587 | 3,114.855
           trarza | 1,992.851  16.385234  51.722557 | 2,060.959
            adrar |676.115868   2.597507  16.480042 |695.193417
 dakhlet nouadhibou |  1,097.09   4.328784  28.115727 | 1,129.534
           tagant |867.836632   5.258122   23.18794 |896.282694
        guidimagha |  3,860.71  23.182374 104.898378 | 3,988.791
tiris zemour et inchi |589.395148   6.91581  15.450279 |611.761237
   nouakchott ouest | 1,339.084   8.220457 146.107834 | 1,493.412
    nouakchott nord |  4,009.97  17.350836 347.069054 |  4,374.39
     nouakchott sud | 3,567.589  18.178068 302.901025 | 3,888.668
----------------------+-------------------------------+--- -------
            Total | 38,111.58 234.051099    1,623.14| 39,968.77
```

use "...MRBR71FL.DTA", clear

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tab v024 birthdate if bidx==1 & v213==1 [iweight=v005/1000000]

. tab v024 birthdate if bidx==1 & v213==1 [iweight=v005/1000000]

```
             |           birthdate
       region | Before Au  In August  After Aug |     Total
----------------------+-------------------------------+--- -------
     hodh echargui |149.223643   2.148514         0 |151.372157
      hodh gharbi |151.271238         0         0 |151.271238
           assaba | 76.345168         0         0 | 76.345168
           gorgol |102.743707         0         0 |102.743707
           brakna | 42.965639         0         0 | 42.965639
           trarza | 53.324355         0         0 | 53.324355
            adrar | 13.528143         0         0 | 13.528143
 dakhlet nouadhibou | 26.032095         0         0 | 26.032095
           tagant | 23.939958         0         0 | 23.939958
        guidimagha | 81.070053         0   .723028 | 81.793081
```

```
    tiris zemour et inchi | 15.290715        0        0 | 15.290715
        nouakchott ouest | 17.218033        0   .792849 | 18.010882
         nouakchott nord | 91.418925   2.031406  6.741004 |100.191335
          nouakchott sud | 83.416651    5.80855  5.440926 | 94.666127
    ----------------------+-------------------------------+--- -------
                    Total |927.788323    9.98847  13.697807 | 951.4746
```

Kind regards,
Kazumi