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Subject: merging IR file with KR  
Posted by [mmbah](#) on Thu, 07 Mar 2019 00:09:59 GMT  
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Dear Sir/ madam,

I wanted to calculate the total number of csection using the IR file for Malawi using the following commands:

```
use MWIR7HFL.dta
```

```
. gen csection=0
```

```
. replace csection=1 if m17_1==1 | m17_2==1 | m17_3==1 | m17_4==1 | m17_5==1 | m17_6==1  
(976 real changes made)
```

```
tab csection
```

csection	Freq.	Percent	Cum.
0	23,586	96.03	96.03
1	976	3.97	100.00
-----			
Total	24,562	100.00	

However this is less than the total csection in the KR files

```
tab m17
```

```
delivery by |  
caesarean |  
section |
```

section	Freq.	Percent	Cum.
no	16,122	93.53	93.53
yes	1,116	6.47	100.00
-----			
Total	17,238	100.00	

I tried to merge the IR and and the KR file so that I can use the m17 variable but loose lots of data in the merging process. I wanted someone to kindly help me calculated the total csection using the IR file or how to merge the m17 to the IR file

secondly.....

i calculate the number of stillbirths using the following commands:









```
use "MWIR7HFL", clear
set more off
```

```
**==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==
=<> **
```

```
gen weight = v005/1000000
gen psu = v021
gen strata = v023
```

```
**==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==<>==
=<> **
```

```
gen pregs = 0
```

```
forvalues i = 1/80 {
  gen cmc`i' = v017 + 80 - `i'
  gen event`i' = substr(vcal_1, `i', 1)
  gen type`i' = .
  replace type`i' = 1 if substr(vcal_1,`i',1) == "B"
  replace type`i' = 3 if substr(vcal_1,`i',1) == "T"
  replace type`i' = 2 if substr(vcal_1,`i',7) == "TPPPPPP"
  replace pregs = pregs+1 if (substr(vcal_1,`i',1) == "B" | substr(vcal_1,`i',1) == "T")
}
*
```

```
* Drop cases with no pregnancies
drop if pregs == 0
```

```
* Decide what variables you want to keep first before the reshape, modify this list as you need to add extra variables.
```

```
keep caseid v001 v002 v003 v005 v008 v011 v013 v017 v018 v019 v021 v022 ///
v023 v024 v190 v025 v024 v106 pregs weight psu strata cmc* event* type*
```

```
* The reshape is really really really slow if you don't select variables and cases first, and will most likely fail otherwise.
```

```
reshape long cmc event type, i(caseid) j(ix)
```

```
lab def type 1 "Birth" 2 "Stillbirth" 3 "Miscarriage/abortion"
lab val type type
lab var type "Type of pregnancy"
lab var cmc "Century month code of event"
lab var event "Calendar event code"
```

```
* Set length of calendar to use
```

```
gen callen = v018 + 59
```

```
* If calendar is aligned right (as in original dataset), use the following:
```

```
gen beg = v018
```

```
gen end = callen
```

\* Include only the five year period  
keep if ix >= beg & ix <= end

\* keep only births and stillbirths  
keep if type >= 1 & type <= 3

\*\* ===== \*\*

```
/*  
cap drop stillbirth  
recode type (2=1 "Stillbirth") (else=0 "Not stillbirth"), gen(stillbirth)  
label var stillbirth "Stillbirths"  
label val stillbirth stillbirth  
*/
```

```
**=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=  
=<> **
```

```
svyset psu [pw = weight], strata(strata) vce(linearized)  
*svydes
```

```
**=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=<>=  
=<> **
```

```
/**  
    NOTE: THIS DOES NOT MATCH THE OVERALL TOTAL FOR:  
    (Number of pregnancies of 7+ months duration)  
**/
```

```
*svy: tab v190 stillbirth, count format(%4.0f) miss  
*svy: tab v190 stillbirth, percent format(%4.1f) row miss
```

```
svy: tab v190 type, count format(%4.0f) miss  
svy: tab v190 type, percent format(%4.1f) row miss
```

exit

```
catplot type v190 [iw=weight], percent(v190) stack asyvars ///  
  bar(1, bcolor(gold*.6)) bar(2, bcolor(ltblue*.9)) bar(3, bcolor(red*.2)) ///  
  blabel(bar, format(%9.1f) pos(center) size(small) orientation(vert)) ///  
  bar(4, bcolor(gs14)) ytitle(%) title(Percentage distribution of pregnancy type) ///  
  subtitle(Malawi DHS 2015-16)
```

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Subject: Re: merging IR file with KR  
Posted by [mmbah](#) on Thu, 07 Mar 2019 14:06:00 GMT

Dear MLUE,

Thank you very much for the wonder assistance which was very very helpful. I want to also calculated prenatal mortality and I used the following command. However, i am not sure I have calculated it right.

```
gen early_neonatal_deaths = 0
label var early_neonatal_deaths "earlyneo"
gen infant_deaths = 0

gen child_deaths = 0
label var child_deaths "child mortality"
label var infant_deaths "infant mortality"
* rename birth variables for use in forvalues loop
rename b*_0* b*_ *

* Any early neonatal deaths, infant deaths, child deaths
forvalues b = 1/80 {
  * early neonatal - days 0-6
  replace early_neonatal_deaths = 1 if inrange(b6_`b',100,106)
}
gen wt = v005/1000000
replace wt = stillbirths*v005/1000000
replace wt = early_neonatal_deaths *v005/1000000
* perinatal mortality includes stillbirths and early neonatal deaths
gen perinatal_deaths = (stillbirths | early_neonatal_deaths)
label var perinatal_deaths "perinatal"
```

secondly I wants to run a logistic regression model to look at association between csection and perinatal mortality adjusting for demographics variables, morbidity, and ANC visits. could you help with graphs

Thank you very much for you kind assistance which is very well appreciated.

regards  
Mamadou

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Subject: Re: merging IR file with KR  
Posted by [mmbah](#) on Thu, 11 Apr 2019 01:41:29 GMT  
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Dear Mlue,

Thanks you very much for the codes as they are very helpful. I wanted to calculate the number of ealy neonatal mortality and perinatal mortality. However, when I reshape the data using the codes you provide i have over 150000 observations. If I calculate the early neonatal and perinatal



deaths, bmi, parity using the below commands before or after the reshaping i get wrong estimation due to the high number of observation.I really need help.

```
replace end = v008  
replace beg = v008-59
```

```
* rename b3 and b6 variables to facilitate use in the for loop
```

```
rename b3_0* b3_*  
rename b6_0* b6_*
```

```
* Loop through birth history summing births and early neonatal deaths
```

```
* in the five years preceding the survey
```

```
forvalues i = 1/20 {
```

```
* restrict to 60 months preceding survey
```

```
  replace births2 = births2+1 if inrange(b3_`i',beg,end)
```

```
  replace earlyneo = earlyneo+1 if inrange(b3_`i',beg,end) & inrange(b6_`i',100,106)
```

```
}
```

```
gen perinatal = earlyneo+stillbirths
```

```
label variable perinatal "Perinatal mortality"
```

```
label define bmic 1"Underweight" 2"Normal" 3"Overweight/obese"
```

```
gen bmi= v445/100
```

```
label var bmi "bmi"
```

```
gen bmic= 1 if bmi<18.5
```

```
replace bmic=2 if bmi>=18.5 & bmi<25
```

```
replace bmic=3 if bmi>=25 & bmi!=.
```

```
label values bmic bmic
```

```
label var bmic "bmic"
```

```
tab bmic
```

```
rename v201 parity
```

```
recode parity 0/1=1 2=2 3=3 4=4 5/max=5
```

```
tab parity
```

```
label define paritylab 5"5+"
```

```
label var parity paritylab
```

```
label value parity paritylab
```

```
tab parity
```