Subject: Uttar Pradesh districtwise Neonatal, infant, postnatal and under five Mortality data
Posted by Shruti Singh on Wed, 07 Jun 2023 07:47:12 GMT
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Hello Everyone,
I am working with NFHS 5 Data using Stata version 14.2. I am in need of Uttar Pradesh district wise Neonatal, infant, postnatal and under five Mortality data. I have downloaded all the NFHS 5 datasets but I am unable to process required data from that. Please share Stata codes for processing Uttar Pradesh district wise Neonatal, infant, postnatal and under five Mortality data which also include GPS Coordinates of that place. Also guide me how to convert these datasets in tabular format on excel sheet. These data are very critical for my dissertation. Kindly share and help ASAP.

Thanks
Shruti Singh
M.Sc. Environmental Sciences
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Subject: Re: Uttar Pradesh districtwise Neonatal, infant, postnatal and under five Mortality data
Posted by Bridgette-DHS on Wed, 07 Jun 2023 15:01:38 GMT
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Following is a response from Senior DHS staff member, Tom Pullum:

Your request goes well beyond what DHS staff can provide. Our GitHub site (https://github.com/DHSProgram) includes computer programs for the rates but you will have to calculate them yourself. Perhaps other users can help.

Also, please note that the average number of women interviewed in each district is only slightly over 1,000, so the mortality estimates may have wide sampling errors.

Subject: Re: Uttar Pradesh districtwise Neonatal, infant, postnatal and under five Mortality data
Posted by Shruti Singh on Wed, 07 Jun 2023 18:43:02 GMT
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Sir,

I tried https://github.com/DHSProgram Chapter 8 but still I am unable to process districtwise data for Uttar Pradesh. Can you guide me with exact code to extract Uttar Pradesh Data.

Subject: Re: Uttar Pradesh districtwise Neonatal, infant, postnatal and under five Mortality data
Posted by Bridgette-DHS on Thu, 08 Jun 2023 11:43:29 GMT
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Following is a response from Senior DHS staff member, Tom Pullum:

Your request goes far beyond the scope of the forum. Also what you propose to do would not be useful, because of the statistical uncertainty of district-level estimates.

However, I have prepared something that may be useful. I wrote a Stata program to calculate, within the districts of Uttar Pradesh, the proportion of children born in the past five years who had died by the date of the survey, along with 95% confidence intervals adjusted for the survey design. This program could be of interest to other users so I will paste it below (as a text file). Since you wanted an Excel file, I am attaching the Excel file that is produced by this program.

You will see that the confidence intervals are wide. The confidence intervals for the standard rates would be much wider. The proportion calculated here is probably the best you can do to identify variation in child survival across districts.

```
* Program to calculate the proportion of children in the NFHS5 KR file
*  who survived to the date of the survey, in districts in Uttar Pradesh

* Specify a workspace
cd e:\DHS\DHS_data\scratch

* Open the KR file; children born in the past 5 years
use "C:\Users\26216\ICF\Analysis - Shared Resources\Data\DHSdata\IAKR7EFL.DTA", clear

describe v024

* The label for v024 is V024; list it
label list V024

* Uttar Pradesh is v024=9
keep if v024==9

* How many districts are in Uttar Pradesh?
codebook sdist

* 75 districts

svyset v001 [pweight=v005], strata(v023) singleunit(centered)
svy: proportion b5, over(sdist)

* the lines with the output "0" give the proportion of children who died, with a confidence interval

* Save the results and copy into Excel
```

```
matrix S=r(table)
matrix T=S'

* construct a file with the district names and n's, weighted and unweighted
gen unwtdn=1
gen wtdn=sweight/1000000

collapse (sum) *wtdn,by(sdist)
rename sdist district
label values district SDIST
label variable unwtdn "N (unweighted)"
label variable wtdn "N (weighted)"
gen line=_n
sort line
save stub.dta, replace

clear
svmat T
matrix list T
rename T1 b
rename T2 se
rename T3 t
rename T4 pvalue
rename T5 ll
rename T6 ul
rename T7 df
rename T8 crit
rename T9 eform
gen line=_n
keep if line<=75
sort line
merge line using stub.dta
tab _merge

rename b P
rename ll L
rename ul U
label variable P "Proportion dead"
label variable L "Low end, 95% c.i."
label variable U "Upper end, 95% c.i."
keep  district P L U *wtdn
order district P L U *wtdn

list, table clean
export excel using child_survival_by_district.xlsx, replace firstrow(var)
```

File Attachments
1) child_survival_by_district.xlsx, downloaded 439 times

Subject: Re: Uttar Pradesh districtwise Neonatal, infant, postnatal and under five Mortality data
Posted by Shruti Singh on Sat, 10 Jun 2023 08:18:39 GMT
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Dear Sir,
I am very much grateful for your help . It is great support and clarity given by you to my work. But I am in dilemma as I have to correlate Uttar Pradesh district wise Neonatal, infant, postnatal and under five Mortality data with air pollution. For that I need little more accurate Stata coding and excel sheet conversion for following mentioned terms-
1. Number of live births for each year survey, including monthly/daily/yearly record of each year.
2. Number of neonatal deaths for each year survey, including monthly/daily/yearly record of each year
3. Detailed information on neonatal deaths, including but not limited to:

a. Causes of neonatal mortality, specifically deaths related to air pollution (if available). b. Geographical distribution of neonatal deaths.
c. Relevant demographic information, such as age, gender, and socioeconomic status of the infants.
d. Any available information on the duration and intensity of air pollution exposures preceding neonatal deaths.

Date of interview, year of survey, no of observation district wise Neonatal, infant, postnatal and under five Mortality data

Regards

Subject: Re: Uttar Pradesh districtwise Neonatal, infant, postnatal and under five Mortality data
Posted by Bridgette-DHS on Mon, 12 Jun 2023 12:35:12 GMT
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Following is a response from Senior DHS staff member, Tom Pullum:

In the KR and BR files, b7 gives age at death in completed months for children who died. Thus b7=0 for neonatal deaths, b7 is 1 to 11 for postneonatal deaths, 0 to 11 for infant deaths. You can construct child-level measures of mortality at different ages and use logit regression to relate mortality to air pollution indicators within the household. You could include a 'random effect' for district, but it would not be helpful to do separate analyses within each district. There are just too

many districts, even within just one state.

The type of analysis you propose is complex. Excel spreadsheets would be cumbersome and inefficient. You will have to simplify the analysis so that you can do it yourself. DHS staff cannot help further.