Subject: Neonatal Mortality
Posted by Hassen on Sun, 09 May 2021 13:59:34 GMT
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Dear DHS Experts, I want to conduct a research on Predictors of Neonatal mortality from 2019 Ethiopia Mini DHS. Which dataset is better for Neonatal mortality data? Which commands give us the same result with figure 6.1 and table 6.1 of 2019 EMDHS? I kindly request you guidelines necessary for multilevel modeling for DHS data? Can I conduct Multilevel Model for Neonatal mortality for this data?

With Kind Regards, Hassen

Subject: Re: Neonatal Mortality
Posted by Bridgette-DHS on Thu, 13 May 2021 12:31:41 GMT
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Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

Figure 6.1 is based on Table 6.1 and Figure 6.2 is based on Table 6.3 (the panel for wealth quintiles). You would use the BR file. A neonatal death is given by b7=0. For example, the neonatal death rate for the past ten years is the proportion of children in the BR file who were born in the past 10 years (b19<120) who have b7=0. Estimates should be weighted with v005. Neonatal mortality is much easier to work with than the other under-five mortality rates because you can just use logit regression; the other rates are compound rates and cannot be calculated at the individual level. We cannot help you develop models. There is a substantial literature on predictors of neonatal mortality.

Subject: Re: Neonatal Mortality
Posted by Hassen on Sun, 16 May 2021 10:26:04 GMT
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Dear Bridgette and Tom Pullum, Thank you very much for your attractive response!! I am using Stata for analysis of predictors of neonatal mortality in Ethiopia using 2019 Ethiopia Mini Demographic and Health Survey data. So, How can I extract the data for newborns in the last five years from the ETBR81FL.DTA dataset? I need to have the exact sample size of neonates in the five year period preceding the survey including twins? From 2019 Ethiopia Mini DHS, figure 6.1 indicates the neonatal mortality rate showed as 33 deaths per 1000 live births. How can I get it, Stata command for this issues? How can I get the total number of live births 5 year period preceding the survey? How can I create the dichotomous variable for Neonatal mortality as 1 if dead, 0 otherwise with Stata command?
With Kind Regards, Hassen A.

Subject: Re: Neonatal Mortality
Posted by Bridgette-DHS on Mon, 17 May 2021 12:56:47 GMT

Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

The cases in the KR file (ETKR81FL.dta) are the births in the past five years. In Stata, you open that file and enter the following three lines:

```
gen neonatal_death=0
replace neonatal_death=1 if b7==0
tab neonatal_death [iweight=v005/1000000]
```

You will get this table:

That is, 3.23% of births result in deaths. That's 32 deaths per 1000 births. That's the neonatal mortality rate. (I don't know why the number is 33 in the report.) Some people would say that deaths in the first month is different from deaths in the first 28 days. Technically, of course, that's correct. In this survey there are 12 (unweighted) deaths at 30 days that could be shifted from neonatal to post-neonatal. We (DHS staff) cannot provide any further assistance.

File Attachments
1) Neo_death.png, downloaded 925 times

Subject: Re: Neonatal Mortality
Posted by Hassen on Thu, 27 May 2021 18:24:27 GMT

Dear Bridgette and Tom Pullum, Thank you very much for
your helpful response!! You make a positive and better impact for my project!!!
With Kind Regards, Hassen

Subject: Re: Neonatal Mortality
Posted by Hassen on Sat, 29 May 2021 09:00:07 GMT

Dear DHS Experts, How are you my best? I am using Ethiopia ETKR81DT dataset and Stata 14/SE for analysis to explore predictors of Neonatal Mortality (coded as yes=1, no=0). I need your help on: How can I generate a Single Variable called High-Risk Birth (coded as: "Births not in any high risk category", "Birth with any single high-risk category", & "Births with any multiple risk category") from High-Risk Fertility Behaviors(HRFB) Parameters? Any code for Stata?
Cheers, Hassen

Subject: Re: Neonatal Mortality
Posted by Bridgette-DHS on Tue, 01 Jun 2021 12:14:23 GMT
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Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

The coding for high risk births is given in the GitHub Stata program for the child mortality chapter.
The attached program does the same thing.

File Attachments
1) high_risk_fertility_do_22Apr2019.txt, downloaded 424 times

Subject: Re: Neonatal Mortality
Posted by Hassen on Wed, 02 Jun 2021 10:55:31 GMT
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Dear Bridgette and Tom Pullum, Thank you very much for your attractive response! This is greatly
helpful!!
With Kind Regards, Hassen