Subject: Life expectancy
Posted by waqas.hameed1@gmail.com on Thu, 29 Jul 2021 06:20:01 GMT
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Dear All

Could you please guide me if:

a) Life expectancy estimates can be found in DHS reports or Statcompiler
b) Whether life expectancy estimates can be estimated from DHS datasets
c) If so, are the Stata codes on Github for that purpose

Subject: Re: Life expectancy
Posted by Bridgette-DHS on Thu, 29 Jul 2021 14:21:58 GMT
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Following is a response from DHS Research & Data Analysis Director, Tom Pullum:

No, DHS surveys do not produce data on mortality that is sufficiently complete across ages to allow the calculation of life expectancy. The infant death rate, child death rate, and under-5 death rate, when divided by 1000, are equivalent to 1q0, 4q1, and 5q0, respectively. The chapter on adult and maternal mortality (when included) usually gives an estimate of 30q15 or 45q15. With these numbers you could work with model life tables, but the reference time intervals for child mortality and adult mortality are different, so even the use of model life tables would be difficult to justify.

Subject: Re: Life expectancy
Posted by waqas on Tue, 20 Jun 2023 15:57:32 GMT
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Hi!

I want to extend this conversation.

I am working on complete life tables for life expectancies.

Github STATA code library Ch16 AM (AM rates do file) provides logic for calculating the age specific rates.

In this regards, Exposure years calculated involves macros in logic. These macros are not much understandable. I need to have simplified form of it.

Following is my logic build from explanation of DHS statistics mannual guide. Kindly review the following code.

```
 ***********************************************************
********************************************************** *************

******Exposure years from Persons Record - For Signle Year Complete Life Table**********

gen deoi=doi-1
lab var deoi "Date of End of Interview"

gen ageeoe=deoi-cmcdob
lab var ageeoe "Age in months at the end of the period"

gen ageeoe1=ageeoe/12.
lab var ageeoe1 "The single age group at end of period"

gen agem=ageeoe-ageeoe1*12+1
lab var agem "The number of months in this age group - months"

gen remexp=36-agem
lab var remexp "remaining exposure in the 36-month period"

table qh07 if qh05==1 , contents(count remexp)


 ***********************************************************
********************************************************** *************
```

Can somebody from DHS share most simplified form of code to calculated the exposure years for ASDR. Explanatory notes to these simplified codes will be really helpfull.

Regards
Waqas Imran

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Subject: Re: Life expectancy
Posted by Bridgette-DHS on Fri, 30 Jun 2023 14:49:55 GMT
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Following is a response from DHS staff member, Tom Pullum:

This response is delayed because of travel, but your question goes beyond the scope of what can be answered on the forum. Perhaps other users will respond.

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Subject: Re: Life expectancy
Posted by Janet-DHS on Fri, 30 Jun 2023 20:05:32 GMT
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Following is a response from DHS staff member, Tom Pullum:

Sorry for the delay in this response, which is due to travel. However, we are unable to provide help. DHS surveys are not designed to be a source of age-specific mortality rates for the construction of life tables. For the limited age range 15-49, surveys that include the sibling histories give estimates of the numerators and denominators and rates for sisters and brothers in 5-year age intervals and for a reference period of the 7 years before the respondent's interview. The programs on github will reproduce those numbers. DHS staff cannot go into more explanation. In terms of logic, the mortality rates are occurrence/exposure rates very similar to the age-specific fertility rates, more similar to the fertility rates than to the under-5 mortality rates, which are actually q's rather than m's.

Life tables provided by the Population Division of the UN, as part of World Population Prospects, are based in part on DHS data (for participating countries) but are much more complete and are easier to use