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Subject: Re: Age in months: Missing values  
Posted by [Liz-DHS](#) on Fri, 17 Jul 2015 14:50:16 GMT  
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Dear User,

Here is a response from one of our technical experts, Dr. Tom Pullum:

Quote: You are apparently talking about age at immunization, rather than age. Age in months is given as hw1 for all surviving children age 0-4 years. The KR file includes children born in the past 5 years who died, as well as those who survived. If the child died (b5=0) then hw1 is missing and there is also no immunization data.

Age at immunization can only be calculated if we have the date of immunization, which requires a health card with a date. That's given as h7=1. If h7 has any other code, then h7d, h7m, and h7y will be missing and you cannot calculate date of immunization or age at immunization.

There are other children who are taken to be immunized because the mother said so, but for them, no date is recorded. If there were a date, it would not be reliable.

I will paste below some Stata lines for calculating age at immunization, in months, for those children with non-missing date.

set more off

tab1 h7\*

gen h7d\_rev=h7d

replace h7d\_rev=. if h7d>31

gen h7m\_rev=h7m

replace h7m\_rev=. if h7m>12

gen h7y\_rev=h7y

replace h7y\_rev=. if h7y>v007

gen h7\_mdy=mdy(h7m\_rev,h7d\_rev,h7y\_rev)

gen dob\_mdy=mdy(b1,hw16,b2)

\* "exact" age in months; the average days in a month is  $365.25/12 = 30.4375$

gen h7\_age\_in\_months=(h7\_mdy-dob\_mdy)/30.4375

summarize h7\_age\_in\_months

\* completed age in months

gen h7\_completed\_age\_in\_months =int(h7\_age\_in\_months)

summarize h7\_age\_in\_months

tab h7\_completed\_age\_in\_months

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