Subject: Immunization
Posted by nrakshan on Tue, 21 May 2013 07:31:09 GMT

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Hi, I want to assess age appropriate immunization for children in the DHS 2006 Pakistan. I want to check if the child got the each vaccine at the time of his/her life when the vaccination was due. I am having difficulty in calculating the age at the time of vaccine receipt. For example for BCG h2d, h2m, and h2y are the variables that describe the time when vaccine was given. However, when I compare this with cmc, current age of child, this gives very erroneous results. I appreciate some guidance.

I am using the below code:

```
generate h2day=mdy(h2m,h2d,h2y)
format h2day b3 cmc %d
list b8 cmc h2day h2d h2m h2y b3 in 20/50 if h1==1
```

Subject: Re: Immunization
Posted by Liz-DHS on Tue, 25 Jun 2013 15:01:45 GMT

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Dear User,
You may want to refer to The Guide to DHS Statistics.
http://www.measuredhs.com/pubs/pdf/DHSG1/Guide_to_DHS_Statis tics_29Oct2012_DHSG1.pdf
The document is bookmarked. Under "Vaccination Rates" you will find useful information regarding vaccinations here.

Subject: Re: Immunization
Posted by elaslan on Tue, 30 Jul 2013 13:53:25 GMT

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nice

Subject: Re: Immunization
Posted by waqas on Fri, 19 Jun 2015 20:15:14 GMT

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Use following sytax for producing age at time of vaccination.

_____ _____

dates for survival analysis

_____ _____

Compute CMCB= ((H2Y-1900) * 12) + H2M.
Compute CMCD1= ((H3Y-1900) * 12) + H3M.
Compute CMCD2= ((H5Y-1900) * 12) + H5M.
Compute CMCD3= ((H7Y-1900) * 12) + H7M.
Compute CMCP1= ((H4Y-1900) * 12) + H4M.
Compute CMCP2= ((H6Y-1900) * 12) + H6M.
Compute CMCP3= ((H8Y-1900) * 12) + H8M.
Compute CMCM= ((H9Y-1900) * 12) + H9M.
COMPUTE BAGE=CMCB-B3.
COMPUTE D1AGE=CMCD1-B3.
COMPUTE D2AGE=CMCD2-B3.
COMPUTE D3AGE=CMCD3-B3.
COMPUTE P1AGE=CMCP1-B3.
COMPUTE P2AGE=CMCP2-B3.
COMPUTE P3AGE=CMCP3-B3.
COMPUTE MAGE=CMCM-B3.
Var Lab CMCB "Century Month Code of age at BCG".
Var Lab CMCD1 "Century Month Code of age at DPT1".
Var Lab CMCD2 "Century Month Code of age at DPT2".
Var Lab CMCD3 "Century Month Code of age at DPT3".
Var Lab CMCP1 "Century Month Code of age at POLIO1".
Var Lab CMCP2 "Century Month Code of age at POLIO2".
Var Lab CMCP3 "Century Month Code of age at POLIO3".
Var Lab CMCM "Century Month Code of age at MEASLES".
Var Lab BAGE "Age in months at BCG".
Var Lab P1AGE "Age in months at Polio1".
Var Lab P2AGE "Age in months at Polio2".
Var Lab P3AGE "Age in months at Polio3".
Var Lab D1AGE "Age in months at DPT1".
Var Lab D2AGE "Age in months at DPT2".
Var Lab D3AGE "Age in months at DPT3".
Var Lab MAGE "Age in months at Measles".
EXECUTE.

Enjoy.

Subject: Re: Immunization
Posted by mianrashid on Mon, 18 Jun 2018 10:31:21 GMT
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Hello, For Pakistan I do this, is it fine?

****

```
**********************************************************
gen CMCB= ((h2y-1900) * 12) + h2m
gen CMCD1= ((h3y-1900) * 12) + h3m
gen CMCD2= ((h5y-1900) * 12) + h5m
gen CMCD3= ((h7y-1900) * 12) + h7m
gen CMCP1= ((h4y-1900) * 12) + h4m
gen CMCP2= ((h6y-1900) * 12) + h6m
gen CMCP3= ((h8y-1900) * 12) + h8m
gen CMCM= ((h9y-1900) * 12) + h9m
gen BAGE=CMCB-b3
gen D1AGE=CMCD1-b3
gen D2AGE=CMCD2-b3
gen D3AGE=CMCD3-b3
gen P1AGE=CMCP1-b3
gen P2AGE=CMCP2-b3
gen P3AGE=CMCP3-b3
gen MAGE=CMCM-b3
label variable CMCB "Century Month Code of age at BCG"
label variable CMCD1 "Century Month Code of age at DPT1"
label variable CMCD2 "Century Month Code of age at DPT2"
label variable CMCD3 "Century Month Code of age at DPT3"
label variable CMCP1 "Century Month Code of age at POLIO1"
label variable CMCP2 "Century Month Code of age at POLIO2"
label variable CMCP3 "Century Month Code of age at POLIO3"
label variable CMCM "Century Month Code of age at MEASLES"
label variable BAGE "Age in months at BCG"
label variable P1AGE "Age in months at Polio1"
label variable P2AGE "Age in months at Polio2"
label variable P3AGE "Age in months at Polio3"
label variable D1AGE "Age in months at DPT1"
label variable D2AGE "Age in months at DPT2"
label variable D3AGE "Age in months at DPT3"
label variable MAGE "Age in months at Measles"
```

Subject: Re: Immunization
Posted by Trevor-DHS on Mon, 02 Jul 2018 17:25:09 GMT
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This is ok when both month and year of vaccination are given, but doesn't handle cases where the month is 44, 66, 97, 98, or 99, or the year is 4444, 6666, 9997, 9998, 9999. Nor does it handle the case where the mother reports that the vacciniation was given, but no date is given.