Subject: Creating h3, h5 and h7 variables
Posted by j5anderson on Wed, 31 Jul 2013 18:26:57 GMT
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Hello,

I have a question about how h3, h5 and h7 variables are created. In the DHS women's questionnaire, there are options for the interviewer to code '44' if the mother showed a vaccination card and there was an indication that the vaccine was received, but did not have a corresponding date. There is also an option for coding '66' for the day of the vaccination date if the mother indicated that the DPT vaccine was received but was not recorded on the card. How are these responses handled in calculating h3, h5 and h7 variables for DPT1-3? I am using a Coverage Evaluation Survey (CES) data set, which employs the same questionnaire format for vaccinations and would like to create variables identical to h3, h5 and h7 in DHS datasets. Thanks for any help,

John

Subject: Re: Creating h3, h5 and h7 variables
Posted by Liz-DHS on Thu, 05 Sep 2013 21:54:27 GMT
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Dear User,
You may want to refer to the Standard Recode Manual http://www.measuredhs.com/pubs/pdf/DHSG4/Recode6_DHS_22March 2013_DHSG4.pdf and look at REC43 Health History. The sections are bookmared. Rec43 will give you an idea of how these variables are used. You might also want to refer to The Guide to DHS Statistics http://www.measuredhs.com/pubs/pdf/DHSG1/Guide_to_DHS_Statis tics_29Oct2012_DHSG1.pdf. There is a section on Vaccination Rates bookmarked.

Below is some code from one of our standard applications. This may shed some light on these vaccination variables.

```
 ************************************************************
************************************************************ ************************
PROC AWSEC5A_EDT
  if V015 = 1 then
    for i in AWSEC5A_EDT do
      idx = V201 - A502 + 1;
      if i <> idx then errmsg( 4300, i, idx ) endif;
      if V008 - B3(idx) < 12*hsecs then
      { IDX95(i) = idx; }              { index for cs section }
        HIDX(i) = idx;

        if B5(i) then                  { Child alive }

        { Has health card }
          if A504 in 3,missing then
```

```
  if A505 = 1 then
    H1(i) = 3
  elseif A505 = missing then
    H1(i) = missing
  else
    H1(i) = 0
  endif
else
  H1(i) = A504
endif;
{ BCG }
H2(i) = vrec( D506B, M506B, Y506B, A510A, (A510A=1), 1 );
if H2(i) <> 1 then
  H2D(i) = notappl;
  H2M(i) = notappl;
  H2Y(i) = notappl;
else
  H2D(i) = D506B;
  H2M(i) = M506B;
  H2Y(i) = Y506B;
endif;
{ DPT 1 }
H3(i) = vrec( D506D1, M506D1, Y506D1, A510E, A510F, 1 );
if H3(i) <> 1 then
  H3D(i) = notappl;
  H3M(i) = notappl;
  H3Y(i) = notappl;
else
  H3D(i) = D506D1;
  H3M(i) = M506D1;
  H3Y(i) = Y506D1;
endif;
{ POLIO 1 }
H4(i) = vrec( D506P1, M506P1, Y506P1, A510B, A510D, 1+(A510C=1) );
if H4(i) <> 1 then
  H4D(i) = notappl;
  H4M(i) = notappl;
  H4Y(i) = notappl;
else
  H4D(i) = D506P1;
  H4M(i) = M506P1;
  H4Y(i) = Y506P1;
endif;
{ DPT 2 }
H5(i) = vrec( D506D2, M506D2, Y506D2, A510E, A510F, 2 );
if H5(i) <> 1 then
  H5D(i) = notappl;
  H5M(i) = notappl;
```

```
  H5Y(i) = notappl;
else
  H5D(i) = D506D2;
  H5M(i) = M506D2;
  H5Y(i) = Y506D2;
endif;
{ POLIO 2 }
H6(i) = vrec( D506P2, M506P2, Y506P2, A510B, A510D, 2+(A510C=1) );
if H6(i) <> 1 then
  H6D(i) = notappl;
  H6M(i) = notappl;
  H6Y(i) = notappl;
else
  H6D(i) = D506P2;
  H6M(i) = M506P2;
  H6Y(i) = Y506P2;
endif;
{ DPT 3 }
H7(i) = vrec( D506D3, M506D3, Y506D3, A510E, A510F, 3 );
if H7(i) <> 1 then
  H7D(i) = notappl;
  H7M(i) = notappl;
  H7Y(i) = notappl;
else
  H7D(i) = D506D3;
  H7M(i) = M506D3;
  H7Y(i) = Y506D3;
endif;
{ POLIO 3 }
H8(i) = vrec( D506P3, M506P3, Y506P3, A510B, A510D, 3+(A510C=1) );
if H8(i) <> 1 then
  H8D(i) = notappl;
  H8M(i) = notappl;
  H8Y(i) = notappl;
else
  H8D(i) = D506P3;
  H8M(i) = M506P3;
  H8Y(i) = Y506P3;
endif;
{ MEASLES }
H9(i) = vrec( D506M, M506M, Y506M, A510G, (A510G=1), 1 );
if H9(i) <> 1 then
  H9D(i) = notappl;
  H9M(i) = notappl;
  H9Y(i) = notappl;
else
  H9D(i) = D506M;
  H9M(i) = M506M;
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```
  H9Y(i) = Y506M;
endif;
{ POLIO 0 }
H0(i) = vrec( D506P0, M506P0, Y506P0, A510B, (A510C=1), 1 );
if H0(i) <> 1 then
  H0D(i) = notappl;
  H0M(i) = notappl;
  H0Y(i) = notappl;
else
  H0D(i) = D506P0;
  H0M(i) = M506P0;
  H0Y(i) = Y506P0;
endif;
{ Ever had vaccination }
H10(i) = YesNo( A509 );

{ Diarrhea recently }
if A514 = 1 then
  H11(i) = 2
elseif A514 = 8 then
  H11(i) = 8
elseif A514 = missing then
  H11(i) = missing
else
  H11(i) = 0
endif;
H11B(i)  = YesNo( A515 );
```