
Subject: Confusion about Pentavalent vaccine in BDHS2014
Posted by [tahneiaquader](#) on Sat, 08 Jun 2019 12:13:07 GMT
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Dear All,

I am trying to recode timely full vaccination coverage in Bangladesh. In the BDHS 2014 report, I have found more than 90% coverage of Pentavalent 1, 2 and 3 vaccines.

However, in the Dataset I cannot find any variables related to pentavalent. The only close one is DPT which denotes for diphtheria, pertussis, and tetanus. It does not include HepB and Hib vaccine.

I was wondering which variables should I used for Pentavalent vaccine recoding.

Thanks,
Tahneia

Subject: Re: Confusion about Pentavalent vaccine in BDHS2014
Posted by [Bridgette-DHS](#) on Wed, 26 Jun 2019 17:20:16 GMT
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From Senior DHS Stata Specialist, Tom Pullum:

Quote:You say: "I have found more than 90% coverage of Pentavalent 1, 2 and 3 vaccines."
Where did you find this? In a DHS report?

Subject: Re: Confusion about Pentavalent vaccine in BDHS2014
Posted by [tahneiaquader](#) on Thu, 27 Jun 2019 03:13:11 GMT
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Yes, in the DHS report. table no 10.3. I am attaching the snapshot.

File Attachments

1) [Vaccination.JPG](#), downloaded 518 times

Subject: Re: Confusion about Pentavalent vaccine in BDHS2014
Posted by [Bridgette-DHS](#) on Mon, 01 Jul 2019 15:34:18 GMT
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Following is a response from DHS Senior Analysis & Research Manager, Shireen Assaf:

The code below will give you a match with table 10.3 for the pentavalent vaccine.

```
gen age = v008 - b3
gen agegroup=0
replace agegroup=1 if age>=12 & age<=23
*selecting children
keep if agegroup==1
keep if b5==1
```

*** Pentavalent ***

```
//DPT 1, 2, 3 either source
recode h3 (0 8=0) (else=1), gen(dpt1)
recode h5 (0 8=0) (else=1), gen(dpt2)
recode h7 (0 8=0) (else=1), gen(dpt3)
gen dptsum= dpt1+dpt2+dpt3
```

* this step is performed for multi-dose vaccines to take care of any gaps in the vaccination history.
See DHS guide to statistics for further explanation.

```
gen ch_pent1_either=dptsum>=1
gen ch_pent2_either=dptsum>=2
gen ch_pent3_either=dptsum>=3
label var ch_pent1_either "Pentavalent 1st dose vaccination according to either source"
label var ch_pent2_either "Pentavalent 2nd dose vaccination according to either source"
label var ch_pent3_either "Pentavalent 3rd dose vaccination according to either source"
```

```
tab1 ch_pent1_either ch_pent2_either ch_pent3_either [iw=v005/1000000]
```

Subject: Re: Confusion about Pentavalent vaccine in BDHS2014
Posted by [tahneiaquader](#) on Tue, 02 Jul 2019 00:16:09 GMT
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Dear Dr. Shireen Assf,

Thank you so much for your reply and the Syntax. I works perfectly.
