
Subject: Re: child immunization

Posted by [Shireen-DHS](#) on Mon, 06 Jun 2022 14:00:07 GMT

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Dear Adis,

Although I am not familiar with this indicator, I don't believe you need to drop any children. The vaccination variables are binary variables with zeros and ones so we know who did not get the vaccine.

After running the correct do file (CH_VAC.do) and selecting live children from the correct age group as you have done, you can use the following variables for the calculation in the formula you show:

```
gen penta= ((ch_pent1_either - ch_pent3_either)/ch_pent1_either)*100
gen measles= ((ch_pent1_either-ch_meas_either)/ch_pent1_either)*100
```

This gives an unweighted number of children of 727 which is the number of children that had the dpt1 (ch_pent1_either) vaccine.

For your question on the number of children, you need to apply sample weights to get the correct number. This is for all estimates including the above. To do this you first calculate the weight variable as follows:

```
gen wt=v005/1000000
```

Then apply it to your tabulations, all tabulations:

```
*this gives the weighted number of 1028
```

```
tab b5 [iw=wt]
```

```
*this gives the weighted number of 785
```

```
tab penta [iw=wt]
```

Thank you.

Best,
Shireen Assaf
The DHS Program
