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Subject: Re: Timeliness of measles vaccination  
Posted by [nkanagat](#) on Fri, 21 Oct 2016 14:31:28 GMT  
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Hi again,

I want to replicate Table 10.4 Vaccinations in the first year of life. Percentage of children age 12-59 months at the time of the survey who received specific vaccines by age 12 months, Zambia 2013-14. Link to table: <https://www.dhsprogram.com/pubs/pdf/FR304/FR304.pdf>

I am using the KR file.

I have the code below.

```
*calculating age at measles immunization, in months, for those children with non-missing date;  
dob defined above in dpt3 code  
set more off  
tab1 h9*
```

```
gen h9d_rev=h9d  
replace h9d_rev=. if h9d>31
```

```
gen h9m_rev=h9m  
replace h9m_rev=. if h9m>12
```

```
gen h9y_rev=h9y  
replace h9y_rev=. if h9y>v007
```

```
gen h9_mdy=mdy(h9m_rev,h9d_rev,h9y_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 h9_age_in_months=(h9_mdy-dob_mdy)/30.4375  
summarize h9_age_in_months
```

```
tab h9_age_in_months
```

```
* completed age in months  
gen h9_completed_age_in_months =int(h9_age_in_months)
```

```
summarize h9_age_in_months
```

```
tab h9_completed_age_in_months
```

```
gen timely=.  
replace timely =1 if h9_completed_age_in_months <12  
replace timely = 0 if h9_completed_age_in_months >=12
```

tab timely h9\_completed\_age\_in\_months

tab timely if age2>=12 & age2<=23 & b5==1 [iw=wgt]

tab timely if age2>=12 & age2<=59 & b5==1 [iw=wgt]

I compared my output for children between the ages of 12-23 at the time of survey who received measles by age 12 months to table 10.4.

I got 56.34 to 72.5 in the table.

Not sure why there is a difference.

Thanks,  
Natasha