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Subject: KDHS 2022: Table 5.10 Age at first birth  
Posted by [sokiya](#) on Sat, 16 Dec 2023 14:53:24 GMT  
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Hello,

I am trying to replicate Table 5.10 Age at first birth in 2022 KDHS report using the code below from DHS GitHub repo

```
use "KEIR8AFL.dta", clear  
gen wt=v005/1000000
```

```
**FIRST BIRTH
```

```
//First birth by specific ages
```

```
recode v212 (.=0) (0/14 = 1 "yes") (15/49 = 0 "no"), gen (fe_afb_15)  
label var fe_afb_15 "First birth by age 15"
```

```
recode v212 (.=0) (0/17 = 1 "yes") (18/49 = 0 "no"), gen (fe_afb_18)  
replace fe_afb_18 = . if v012<18  
label var fe_afb_18 "First birth by age 18"
```

```
recode v212 (.=0) (0/19 = 1 "yes") (20/49 = 0 "no"), gen (fe_afb_20)  
replace fe_afb_20 = . if v012<20  
label var fe_afb_20 "First birth by age 20"
```

```
recode v212 (.=0) (0/21 = 1 "yes") (22/49 = 0 "no"), gen (fe_afb_22)  
replace fe_afb_22 = . if v012<22  
label var fe_afb_22 "First birth by age 22"
```

```
recode v212 (.=0) (0/24 = 1 "yes") (25/49 = 0 "no"), gen (fe_afb_25)  
replace fe_afb_25 = . if v012<25  
label var fe_afb_25 "First birth by age 25"
```

```
//Never had a first birth
```

```
gen fe_birth_never = 0  
replace fe_birth_never = 1 if v201==0  
label val fe_birth_never yesnolabel  
label var fe_birth_never "Never had a birth"
```

```
tabstat fe_afb_15 fe_afb_18 fe_afb_20 fe_afb_22 fe_afb_25 fe_birth_never [fw=v005],  
statistics(mean) save
```

but for some reason the results aren't matching. I will appreciate any help. Thanks in advance!

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Subject: Re: KDHS 2022: Table 5.10 Age at first birth  
Posted by [Bridgette-DHS](#) on Mon, 18 Dec 2023 17:29:19 GMT

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Following is a response from Senior DHS staff member, Tom Pullum:

Rather than revise the (incomplete) program you included in your posting, I have put together another program (attached below) specifically for table 5.10 in the Kenya 2022 report. It includes all columns and matches perfectly. However, I see that two of the three table entries with note "a" for the median did not really need note "a". The only age group for which a median cannot be calculated is 15-19.

The medians are the only tricky numbers in this table. That's because the median calculated by Stata (using summarize, detail and r(p50)) is given as an integer value of age (v012). Many statistics texts only give the median as a value that actually occurs in the data. DHS interpolates within that year of age. For example, 21.1 would be interpreted as one tenth of the way from the 21st birthday to the 22nd birthday.

### File Attachments

1) [Kenya2022\\_table\\_5pt10\\_age\\_at\\_first\\_birth\\_do\\_18Dec2023.txt](#), downloaded 93 times

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Subject: Re: KDHS 2022: Table 5.10 Age at first birth

Posted by [sokiya](#) on Tue, 19 Dec 2023 11:45:48 GMT

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Thanks so much for the guidance and especially the calculation of age\_first\_birth and the median age. I sincerely appreciate!!

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