
Subject: Educational attainment in Ghana DHS 2022

Posted by [AnneG](#) on Fri, 29 Mar 2024 13:01:58 GMT

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Hi,

I was looking at the change in educational attainment in women 15-49 in the last 4 DHS for Ghana with the Stat Compiler. I noticed a huge increase in the proportion with completed secondary and higher (sum of completed secondary and more than secondary), from 17% in 2014 to 55% in 2022, which is quite exceptional (and rather unlikely). If I look in the DHS report and calculate from Table 2.11.1 in DHS2022 and Table 2.12.1 from DHS2014, the increase would be much less: approx. from 18% to 26% which looks more reasonable (and more likely). Can you please check and let me know if there is a problem in the Stat Compiler (or in the DHS reports)? Thanks in advance.

Subject: Re: Educational attainment in Ghana DHS 2022

Posted by [Janet-DHS](#) on Tue, 02 Apr 2024 17:23:53 GMT

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

It appears that the Ghana 2022 survey had a somewhat different set of education categories than the 2014 survey. In the 2014 survey the classification for v106 was as follows:

```
. label list V106
```

```
V106:
```

```
    0 no education
```

```
    1 primary
```

```
    2 secondary
```

```
    3 higher
```

The number of years in each level is v107. The cumulative number of years of schooling is v133, calculated as follows:

```
v133=v107 if v106==1
```

```
v133=v107+6 if v106==2
```

```
v133=v107+12 if v106==3
```

This is the standard classification and coding used in most DHS surveys.

However, an alternative was used in the Ghana 2022 survey, with a survey-specific variable s105, having these categories:

```
. label list S105
```

```
S105:
```

```
    1 primary
```

```
    2 middle
```

```
    3 jss/jhs
```

4 sss/shs
5 secondary
6 higher

I don't know what jss, jhs, sss, and shs refer to. Perhaps another user can clarify.

The construction of v133 was changed to the following:

v133=s105 if s105=1
v133=s105+6 if s105=2
v133=s105+6 if s105=3
v133=s105+9 if s105=4
v133=s105+10 if s105=5
v133=s105+12 if s105=6

The correspondence between s105 and v106 in the IR file for the 2022 survey, unweighted, is the following:

```
. tab s105 v106
```

```
highest |  
educationa | highest educational level  
l level | primary secondary higher | Total  
-----+-----+-----  
primary | 960 0 0 | 960  
middle | 0 79 0 | 79  
jss/jhs | 0 1,732 0 | 1,732  
sss/shs | 0 876 0 | 876  
secondary | 0 45 0 | 45  
higher | 0 0 356 | 356  
-----+-----+-----  
Total | 960 2,732 356 | 4,048
```

The new categories were classified as secondary. I believe that what you are observing is due mainly to this change in the classification and in the effective replacement of v106 with s105 in the 2022 survey. This may have disrupted the trend based on the earlier classification. If you are studying the trend, you may want to re-calculate the STATcompiler estimates to get better comparability over time. Hope this helps.