
Subject: Computing ARI

Posted by [Michaelo](#) on Wed, 17 Nov 2021 01:21:01 GMT

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Dear DHS team

I am exploring symptoms of Acute respiratory infections for some countries in SSA. Many thanks for the queries shared by dhs users on this forum on the topic and also to the dhs team for sharing with us the links to the Github syntax and codes. They've been helpful resources in creating this syntax for ARI symptoms in the 2 weeks before the survey. The results I had matched with the report in Ghana 2014 (table 10.5) and Kenya 2014 (table 10.4). However, I am unable to match the results for Nigeria (table 10.5) and Angola.

I would therefore appreciate any help to rectify the issue. Thanks

Michaelo

Please kindly find the details

dataset used

1. GHKR72FL
2. NGKR7BFL
3. KEKR72FL
4. AOKR71FL.

Data was weighted using V005

From user forum responses and github I used

```
do if b5<>0.
```

```
  compute ch_ari=0.
```

```
if h31b=1 & (h31=2) & (h31c=1 | h31c=3) ch_ari=1.
```

```
end if.
```

Results 1 using GH dataset Yes 193 (3.6 %)

	Frequency	Percent	Valid Percent	Cumulative Percent
No	5238	92.0	96.4	96.4
Yes	193	3.4	3.6	100.0
Total	5431	95.4	100.0	
Missing System	264	4.6		
Total	5695	100.0		

2. Results 2 using NG dataset (Yes 2.3% but 2.6 in report)

ARI symptoms in the 2 weeks before the survey

	Frequency	Percent	Valid Percent	Cumulative Percent
Valid No	30159	88.2	97.7	97.7
Yes	722	2.1	2.3	100.0
Total	30881	90.3	100.0	
Missing System	3311	9.7		
Total	34193	100.0		

3 Results using AO dataset

ARI symptoms in the 2 weeks before the survey

Frequency Percent Valid Percent Cumulative Percent

Valid No 12319 92.2 97.2 97.2

Yes 350 2.6 2.8 100.0

Total 12669 94.9 100.0

Missing System 688 5.1

Total 13356 100.0

The KE dataset

Yielded similar report in the DHS report indicating

1582(8.5%) yes