
Subject: Percentage of Children with ARI taken to a health facility

Posted by [rkumapley](#) on Fri, 22 Aug 2014 15:20:27 GMT

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I am having some difficulty trying to replicate the percentage of children with ARI taken to the health facility for under 5s in the Niger 2006 and 2012 DHS. I have used the Guide to DHS statistics and my results still do not match the values in StatCompiler.

In terms of the numerator: What variables in the Child Recode Dataset constitute the "health facility"

In terms of the denominator: What are the variables will help me determine which children have ARI

Just to note, I am using Stata and I have already set it up for a weighted analysis

Subject: Re: Percentage of Children with ARI taken to a health facility

Posted by [Trevor-DHS](#) on Tue, 26 Aug 2014 01:13:36 GMT

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To produce the ARI variables use the following code with the children under five's (KR) dataset:

* Intialize ARI variable - only for living children

```
gen ari=0 if b5==1
```

* ARI is defined as children with a cough with short rapid breaths (h31b==1) and congestion in the chest (h31c==1 | h31c==3)

```
replace ari=1 if b5==1 & h31b==1 & (h31c==1 | h31c==3)
```

The denominator is all living children (b5==1).

For children with ARI taken to a health facility the denominator are those children with ARI from above. The numerator is those take to a public or private health facility, except for pharmacies, shops, traditional healers and other non-medical facilities. See the code below:

```
gen ari_treat = 0 if ari==1
```

* All public or private facilities, except for pharmacies (g & k) and shops (s), traditional healers (t) and other non-medical facilities (u-x)

```
foreach x in a b c d e f h i j l m n o p q r {  
replace ari_treat = 1 if ari==1 & h32`x'==1  
}  
}
```

[Note that the above is just a condensed form of

```
replace ari_treat = 1 if ari==1 & (h32a==1 | h32b==1 | h32c==1 ... h32r==1)
```

excluding h32g and h32k]

Note that the list of variables included can vary from country to country, but generally follows the list above.
