
Subject: South Africa 2016

Posted by [Carolina](#) on Tue, 14 Nov 2023 09:36:52 GMT

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Hello,

We merged the individual record (women only) with the HIV results and found that only 2'726 matched observations, while there were 8'514 eligible women that were interviewed.

We just want to make sure that we completed the merge correctly. Is this number accurate ? Why isn't there a 50% split between men and women who were tested ?

Thank you for your response.

Carolina

Subject: Re: South Africa 2016

Posted by [Janet-DHS](#) on Thu, 16 Nov 2023 19:39:58 GMT

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

The Stata lines below show how to merge the AR file with both the women and the men. Of the 4862 cases in the AR file, 2136 are men and 2726 are women. These numbers are fairly close, and the difference is mainly due to higher refusal rates (for HIV testing) for men than for women. The number of cases in the IR file (8514) does not tell you anything about how many men are in the AR file.

* Specify workspace

```
cd e:\DHS\DHS_data\scratch
```

* Prepare AR file

```
use "...ZAAR71FL.DTA", clear
```

```
gen cluster=hivclust
```

```
gen hh=hivnumb
```

```
gen line=hivline
```

```
gen in_AR=1
```

```
sort cluster hh line
```

```
save ARtemp.dta, replace
```

* Prepare IR file

```
use "...ZAIR71FL.DTA", clear
```

```
gen cluster=v001
```

```
gen hh=v002
```

```
gen line=v003
```

```
gen sex=2
```

```
keep cluster hh line sex
save IRtemp.dta, replace
```

```
* Prepare MR file
use "...ZAMR71FL.DTA", clear
gen cluster=mv001
gen hh=mv002
gen line=mv003
gen sex=1
keep cluster hh line sex
save MRtemp.dta, replace
```

```
* Append IR and MR and merge with AR
append using IRtemp.dta
sort cluster hh line
merge cluster hh line using ARtemp.dta
```

```
keep if _merge==3
tab sex if in_AR==1
```