Subject: Re: Merging of SA DHS 2016 HIV dataset ZAAR and ZAPR
Posted by Janet-DHS on Thu, 16 May 2024 13:42:16 GMT

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

There are various ways to do this merge. The following lines will work. You need to specify a workspace and your path to the data.

```
* merge_AR_IR_MR_PR_do_15May2024

* South Africa 2016 DHS, ZA71



* specify workspace

cd e:\DHS\DHS_data\scratch



* specify path to the data with a scalar

scalar spath="C:\Users\26216\ICF\Analysis - Shared Resources\Data\DHSdata"

local lpath=spath



* Prepare the four data files

use "`lpath'\ZAAR71FL.DTA", clear

gen cluster=hivclust

gen hh=hivnumb

gen line=hivline

gen wt=hiv05/1000000

gen in_AR=1

tab in_AR

save ARtemp.dta, replace
```

```
use "`lpath'\ZAPR71FL.DTA", clear
gen cluster=hv001
gen hh=hv002
gen line=hvidx
keep if hv117==1 | hv118==1
save PRtemp.dta, replace

use "`lpath'\ZAIR71FL.DTA", clear
gen cluster=v001
gen hh=v002
gen line=v003
save IRtemp.dta, replace

use "`lpath'\ZAMR71FL.DTA", clear
rename mv* v*
gen cluster=v001
gen hh=v002
gen line=v003
save MRtemp.dta, replace

* Append IR and MR
use IRtemp.dta, clear
append using MRtemp.dta
save IRMRtemp.dta, replace
```

```
* Merge AR with PR
use ARtemp.dta, clear
merge 1:1 cluster hh line using PRtemp.dta
keep if in_AR==1
drop _merge

* Merge with IR+MR
merge 1:1 cluster hh line using IRMRtemp.dta
keep if in_AR==1
drop _merge

* Confirm that we have all the cases in the AR file
tab in_AR,m
```