
Subject: Merging PR, IR and MR data for PHQ-9, GAD and BP

Posted by [asigdel](#) on Sat, 19 Apr 2025 22:37:01 GMT

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Hi,

I am trying to see the association between depression (measured by PHQ9) and Anxiety (measured by GAD) on BP. I noticed that BP has been measured in PR file and PHQ-9 and GAD has been measured in individual IR and MR file separately. I want to combine all three file and would like to see the association of depression and anxiety. I did the following steps

****using PR data set****

```
use "/Users/anubista/Desktop/Playing data copy/NPPR82DT-HH Member  
recode/NPPR82FL.DTA"
```

****select required variables****

```
keep hvidx hv001 hv002 hv005 wbp9 wbp10 wbp13 wbp14 wbp16 wbp19 wbp22 wbp23 hb2 hb3  
mbp9 mbp10 mbp13 mbp14 mbp16 mbp19 mbp22 mbp23 ha2 ha3
```

save the PR file

```
use "/Users/anubista/Desktop/Playing data copy/NPPR82DT-HH Member  
recode/NPPR82FL.DTA", replace
```

*****open MR file***

```
use "/Users/anubista/Desktop/MR_HHID.dta"
```

```
rename mv001 hv001
```

```
rename mv002 hv002
```

```
rename mv003 hvidx
```

```
sort hv001 hv002 hvidx
```

****select required variables****

```
keep mv001 mv002 mv003 mv005 mv012 mv013 mv101 mv102 mv106 mv131 mv190 mv463aa  
mv463ab mmth19 mmth20 mmth21 mmth22 mmth24 mmth24 mv485b mv485a
```

*****save the MR file*****

```
use "/Users/anubista/Desktop/MR_HHID.dta", replace
```

****Merging PR file to MR file****

```
use "/Users/anubista/Desktop/Playing data copy/NPPR82DT-HH Member  
recode/NPPR82FL.DTA", clear
```

```
sort hv001 hv002 hvidx
```

```
merge m:1 hv001 hv002 hvidx using "/Users/anubista/Desktop/MR_HHID.dta"
```

Data got merged but what I noticed after merging two dataset is that there is no observation for PHQ-9 and GAD score when individual have BP measurement and vice versa.
Please help me what wrong with my merging.