

## Code for Case Study

**Here is the code I used. If you didn't read the note at beginning, please remember to change the first line of code.**

```
informat DOB ddmmyy10.;
```

```
format DOB ddmmyy10.;
```

Those of you using SAS software need to add this at the top

```
libname mydata '/folders/myfolders/';
```

instead of `libname perm 'E:\';`

Furthermore, you don't need to put anything before your data names. (ie `perm.MemberConditions`). So get rid of the `perm` part in the rest of the code.

```
libname perm 'E:\';data perm.identifyconditions;
```

```
infile "C:\Users\ededic84\Documents\WPS Workspaces\Workspace1\sas project  
(erm)\casestudy.csv" DSD MISOVER FIRSTOBS=2;
```

```
input ID$ SEX$ DOB Pdx Dx_2 Dx_3 Dx_4;
```

```
informat DOB ddmmyy10.;
```

```
run;
```

```
proc sort data = perm.identifyconditions out = perm.identifyconditiontwo;
```

```
by ID;
```

```
run;
```

```
proc print data=perm.identifyconditiontwo;
```

```
proc print data perm.identifyconditionstwo;  
format DOB ddmmyy10.;  
run;
```

```
data perm.MemberConditions;  
set perm.identifyconditionstwo;
```

by ID;  
length Diabetes Depression COPD Asthma  
CKD HIV Schizophrenia Hypertension Migraine \$14 Conditions \$50;  
retain Diabetes Depression COPD Asthma CKD HIV Schizophrenia Hypertension Migraine  
Conditions;

if first.ID then

do;

Diabetes = "";

Depression = "";

COPD = "";

Asthma = "";

CKD = "";

HIV = "";

Schizophrenia = "";

Hypertension = "";

Migraine = "";

end;

array diag(4) Pdx Dx\_2 Dx\_3 Dx\_4;

do i= 1 to 4;

if diag(i) in: ("25000")

then Diabetes="Diabetes";

if diag(i) in: ("29620")

then Depression="Depression";

if diag(i) in: ("4912")

then COPD="COPD";

if diag(i) in: ("493")

then Asthma="Asthma";

if diag(i) in: ("40300")

then CKD="CKD";

if diag(i) in: ("042")

then HIV="HIV";

if diag(i) in: ("3310")

then Schizophrenia="Schizophrenia";

if diag(i) in: ("5723")

then Hypertension="Hypertension";

```
then Hypertension= Hypertension ;  
if diag(i) in: ("34631")  
then Migraine="Migraine";  
end;
```

```

if last.ID then do;
  TotConditions = sum(( Diabetes ne ""),( Depression ne ""), (COPD ne ""),
  ( Asthma ne ""), (CKD ne ""),(HIV ne ""),(Schizophrenia ne ""),
  (Hypertension ne ""), (Migraine ne ""));

  Conditions = catx(" ", Diabetes, Depression,
  COPD, Asthma,CKD,HIV,Schizophrenia,Hypertension,Migraine);
  output;
end;

keep ID Sex DOB ToTConditions Conditions;
run;

proc print data=perm.MemberConditions;
format DOB date9.;
run;

```

