```
libname library 'C:\Users\Croissant\Desktop\SAS';


ods pdf file='C:\Users\Croissant\Desktop\Thesis Pub\Take
2\Revision\Materials\Results Files\Demographics.pdf';


/*Table*/

/*create cognitive impairment variable*/

data dems;

set library.march;

if r8cogtot in (0 1 2 3 4 5 6 7 8) then impaired=1;

else if r8cogtot>8 then impaired=0;

else impaired=.;

run;

/*check variable*/

proc freq data=dems;

table impaired r8cogtot;

run;

/*age full sample*/

proc means data=dems;

var r8agey_b;

run;

/*age cognitive impairment*/

proc sort data=dems;

by impaired;

run;

proc means data=dems;

class impaired;

by impaired;

var r8agey_b;

run;


proc ttest data=dems;
```

```
class impaired;
var r8agey_b;
run;

/*loneliness cognitive impairment*/
proc means data=dems;
var lon6;
run;
proc means data=dems;
class impaired;
by impaired;
var lon6;
run;
proc ttest data=dems;
class impaired;
var lon6;
run;

/*cynhos cognitive impairment*/
proc means data=dems;
var cyn6;
run;
proc means data=dems;
class impaired;
by impaired;
var cyn6;
run;
proc ttest data=dems;
class impaired;
var cyn6;
run;
```

```
/*isolation cognitive impairment*/
proc means data=dems;
var int6;
run;
proc means data=dems;
class impaired;
by impaired;
var int6;
run;
proc ttest data=dems;
class impaired;
var int6;
run;

/*Categorical*/
proc freq data=dems;
table impaired*ragender/ chisq;
run;

proc freq data=dems;
table impaired*raeduc/ chisq;
run;

proc freq data=dems;
table impaired*raracem/ chisq;
run;

/*Ethnicity*/
proc freq data=dems;
table impaired*rahispan/ chisq;
run;
```

```
/*SES*/
proc freq data=dems;
table impaired*th8atotb/ chisq;
run;

/*Marital stats*/
data tempzzz;
set dems;
if r8mstat in (1 2 3) then partner=1;/*partner - look up*/
else if r9mstat in (4 5 6) then partner=2;/*split up*/
else if r8mstat in (7) then partner=3; /*widowed*/
else if r8mstat in (8) then partner=4; /*single*/
else partner=.;
run;

proc freq data=tempzzz;
table impaired*partner/ chisq;
run;

/*Functional Limitations*/
proc freq data=dems;
table r8adla;
run;
proc freq data=dems;
table impaired*r8adla/ chisq;
run;

/*Self-reported health*/
proc freq data=dems;
table R8SHLT;
run;
proc freq data=dems;
```

```
table impaired*R8SHLT/ chisq;
run;

ods pdf close;

ods pdf file='C:\Users\Croissant\Desktop\Thesis Pub\Take
2\Revision\Materials\Results Files\Demographics_LTFU.pdf';
/*create missing variable*/
/*1=missing, 0=not missing*/
data dems; set dems;
if r8cogtot=. then miss1=1;
else if r8cogtot>=0 then miss1=0;

if r9cogtot=. then miss2=1;
else if r9cogtot>=0 then miss2=0;

if r10cogtot=. then miss3=1;
else if r10cogtot>=0 then miss3=0;

if r11cogtot=. then miss4=1;
else if r11cogtot>=0 then miss4=0;
run;

/*check*/
proc freq data=dems;
table miss1 miss2 miss3 miss4;
run;
proc means nmiss data=dems;
var r8cogtot r9cogtot r10cogtot r11cogtot;
run;

/*create dropout variable*/
```

```
/*1=dropped out, 0=didn't drop out*/
data dems; set dems;
if miss4=0 then dropout4=0;
else if miss4=1 then dropout4=1;
if miss3=0 then dropout3=0;
else if miss4=0 then dropout3=0;
else if (miss4=1 and miss3=1)then dropout3=1;
if miss2=0 then dropout2=0;
else if miss4=0 then dropout2=0;
else if miss3=0 then dropout2=0;
else if (miss4=1 and  miss3=1 and miss2=1)then dropout2=1;
dropout1=0;
run;

/*check dropout variable*/
proc means nmiss data=dems;
var dropout1 dropout2 dropout3 dropout4;
run;

/*demographics for dropouts*/
data lost; set dems;
if dropout4=1;
if miss1=0;
run;
proc means data=lost;
var
r8cogtot r9cogtot r10cogtot r11cogtot
r8agey_b
r9agey_b
r10agey_b
r11agey_b
tr8bmi
```

```
tr9bmi
tr10bmi
tr11bmi
lon6
lon8
lon10
lon12
int6
int8
int10
int12
cyn6
cyn8
cyn10
cyn12
;
Run;
proc freq data=lost;
table
raracem
rahispan
ragender
raeduc
r8smoke
r9smoke
r10smoke
r11smoke
r8dkz
r9dkz
r10dkz
r11dkz
th8atotb
```

```
th9atotb

th10atotb

th11atotb

R8ADLA R9ADLA R10ADLA R11ADLA;

run;

ods pdf close;


ods pdf file='C:\Users\Croissant\Desktop\Thesis Pub\Take
2\Revision\Materials\Results Files\Demographics_Retained.pdf';

/*demographics for retained*/

data rtn; set dems;

if dropout4=0;

if miss1=0;

run;

proc means data=rtn;

var

r8cogtot r9cogtot r10cogtot r11cogtot

r8agey_b

r9agey_b

r10agey_b

r11agey_b

tr8bmi

tr9bmi

tr10bmi

tr11bmi

lon6

lon8

lon10

lon12

int6

int8

int10
```

```
int12
cyn6
cyn8
cyn10
cyn12
;
Run;
proc freq data=rtn;
table
raracem
rahispan
ragender
raeduc
r8smoke
r9smoke
r10smoke
r11smoke
r8dkz
r9dkz
r10dkz
r11dkz
th8atotb
th9atotb
th10atotb
th11atotb
R8ADLA R9ADLA R10ADLA R11ADLA;
Run;

ods pdf close;
```