/\*Table2\*/

/\*binary processing\_violence(dg)\*/

**data** vio\_1; set b.kyrbs\_12\_22;

/\*violence prevalence\*/

if violence=**0** then vio\_dg=**0**;

else if violence=**1** then vio\_dg=**1**;

if violence=**1** and sex=**1** then vio\_male=**1**;

else if violence=**0** and sex=**1** then vio\_male=**0**;

if violence=**1** and sex=**2** then vio\_female=**1**;

else if violence=**0** and sex=**2** then vio\_female=**0**;

if violence=**1** and e\_s\_rcrd=**1** then vio\_grade1=**1**;

else if violence=**0** and e\_s\_rcrd=**1** then vio\_grade1=**0**;

if violence=**1** and e\_s\_rcrd=**2** then vio\_grade2=**1**;

else if violence=**0** and e\_s\_rcrd=**2** then vio\_grade2=**0**;

if violence=**1** and e\_s\_rcrd=**3** then vio\_grade3=**1**;

else if violence=**0** and e\_s\_rcrd=**3** then vio\_grade3=**0**;

if violence=**1** and e\_s\_rcrd=**4** then vio\_grade4=**1**;

else if violence=**0** and e\_s\_rcrd=**4** then vio\_grade4=**0**;

if violence=**1** and e\_s\_rcrd=**5** then vio\_grade5=**1**;

else if violence=**0** and e\_s\_rcrd=**5** then vio\_grade5=**0**;

if violence=**1** and e\_ses=**1** then vio\_econ1=**1**;

else if violence=**0** and e\_ses=**1** then vio\_econ1=**0**;

if violence=**1** and e\_ses=**2** then vio\_econ2=**1**;

else if violence=**0** and e\_ses=**2** then vio\_econ2=**0**;

if violence=**1** and e\_ses=**3** then vio\_econ3=**1**;

else if violence=**0** and e\_ses=**3** then vio\_econ3=**0**;

if violence=**1** and e\_ses=**4** then vio\_econ4=**1**;

else if violence=**0** and e\_ses=**4** then vio\_econ4=**0**;

if violence=**1** and e\_ses=**5** then vio\_econ5=**1**;

else if violence=**0** and e\_ses=**5** then vio\_econ5=**0**;

if violence=**1** and smoking=**0** then vio\_smk0=**1**;

else if violence=**0** and smoking=**0** then vio\_smk0=**0**;

if violence=**1** and smoking=**1** then vio\_smk1=**1**;

else if violence=**0** and smoking=**1** then vio\_smk1=**0**;

if violence=**1** and alcohol\_freq=**0** then vio\_alcohol0=**1**;

else if violence=**0** and alcohol\_freq=**0** then vio\_alcohol0=**0**;

if violence=**1** and alcohol\_freq=**1** then vio\_alcohol1=**1**;

else if violence=**0** and alcohol\_freq=**1** then vio\_alcohol1=**0**;

if violence=**1** and alcohol\_freq=**2** then vio\_alcohol2=**1**;

else if violence=**0** and alcohol\_freq=**2** then vio\_alcohol2=**0**;

if violence=**1** and bmi\_g=**0** then vio\_bmi0=**1**;

else if violence=**0** and bmi\_g=**0** then vio\_bmi0=**0**;

if violence=**1** and bmi\_g=**1** then vio\_bmi1=**1**;

else if violence=**0** and bmi\_g=**1** then vio\_bmi1=**0**;

if violence=**1** and bmi\_g=**2** then vio\_bmi2=**1**;

else if violence=**0** and bmi\_g=**2** then vio\_bmi2=**0**;

if violence=**1** and bmi\_g=**3** then vio\_bmi3=**1**;

else if violence=**0** and bmi\_g=**3** then vio\_bmi3=**0**;

if violence=**1** and bmi\_g=**4** then vio\_bmi4=**1**;

else if violence=**0** and bmi\_g=**4** then vio\_bmi4=**0**;

if violence=**1** and region=**1** then vio\_urban=**1**;

else if violence=**0** and region=**1** then vio\_urban=**0**;

if violence=**1** and region=**2** then vio\_rural=**1**;

else if violence=**0** and region=**2** then vio\_rural=**0**;

if violence=**1** and depression=**0** then vio\_sad0=**1**;

else if violence=**0** and depression=**0** then vio\_sad0=**0**;

if violence=**1** and depression=**1** then vio\_sad1=**1**;

else if violence=**0** and depression=**1** then vio\_sad1=**0**;

if violence=**1** and parents\_edu=**0** then vio\_p\_edu0=**1**;

else if violence=**0** and parents\_edu=**0** then vio\_p\_edu0=**0**;

if violence=**1** and parents\_edu=**1** then vio\_p\_edu1=**1**;

else if violence=**0** and parents\_edu=**1** then vio\_p\_edu1=**0**;

if violence=**1** and parents\_edu=**2** then vio\_p\_edu2=**1**;

else if violence=**0** and parents\_edu=**2** then vio\_p\_edu2=**0**;

**run**;

**data** b.vio\_1; set vio\_1; **run**;

/\*violence for table\*/

**proc** **surveyfreq** data=b.vio\_1 nomcar;

strata strata;

cluster cluster;

weight weight;

by period;

table

vio\_male

vio\_female

vio\_urban

vio\_rural

vio\_p\_edu0

vio\_p\_edu1

vio\_p\_edu2

vio\_smk0

vio\_smk1

vio\_alcohol0

vio\_alcohol1

vio\_alcohol2

vio\_bmi0

vio\_bmi1

vio\_bmi2

vio\_bmi3

vio\_bmi4

vio\_grade1

vio\_grade2

vio\_grade3

vio\_grade4

vio\_grade5

vio\_econ1

vio\_econ2

vio\_econ3

vio\_econ4

vio\_econ5

vio\_sad0

vio\_sad1

vio\_dg

/cl row column;

**run**;

/\*Table 2 for pan19\*/

/\*for checking\*/

**proc** **freq** data=b.vio\_1;

table

year\*vio\_dg

/nofreq nocol nocum nopercent ;

**run**;

**data** b.vio\_2;

set b.vio\_1;

**run**;

**data** before\_pan19 during\_pan19;

set b.vio\_2;

if period in (**1** **2** **3**) then output before\_pan19;

if period in (**3** **4** **5**) then output during\_pan19;

**run**;

/\*overall B value\*/

ods graphics off;

ods select ParameterEstimates; **PROC** **SURVEYreg** DATA=before\_pan19 NOMCAR; STRATA STRATA; CLUSTER CLUSTER; WEIGHT WEIGHT; MODEL vio\_dg=period / stb clparm ; **RUN**;

ods select ParameterEstimates; **PROC** **SURVEYreg** DATA=during\_pan19 NOMCAR; STRATA STRATA; CLUSTER CLUSTER; WEIGHT WEIGHT; MODEL vio\_dg=period / stb clparm ; **RUN**;

/\*before pan B value\*/

**%macro** beta\_b(var\_name);

ods graphics off;

ods select ParameterEstimates;

PROC SURVEYreg DATA=before\_pan19 NOMCAR;

STRATA strata;

CLUSTER cluster;

WEIGHT WEIGHT;

MODEL &var\_name = period / stb clparm; RUN;

**%mend**;

/\*before pandemic each var\*/

%***beta\_b***(vio\_male);

%***beta\_b***(vio\_female);

%***beta\_b***(vio\_urban);

%***beta\_b***(vio\_rural);

%***beta\_b***(vio\_p\_edu0);

%***beta\_b***(vio\_p\_edu1);

%***beta\_b***(vio\_p\_edu2);

%***beta\_b***(vio\_smk0);

%***beta\_b***(vio\_smk1);

%***beta\_b***(vio\_alcohol0);

%***beta\_b***(vio\_alcohol1);

%***beta\_b***(vio\_alcohol2);

%***beta\_b***(vio\_bmi0);

%***beta\_b***(vio\_bmi1);

%***beta\_b***(vio\_bmi2);

%***beta\_b***(vio\_bmi3);

%***beta\_b***(vio\_bmi4);

%***beta\_b***(vio\_grade1);

%***beta\_b***(vio\_grade2);

%***beta\_b***(vio\_grade3);

%***beta\_b***(vio\_grade4);

%***beta\_b***(vio\_grade5);

%***beta\_b***(vio\_econ1);

%***beta\_b***(vio\_econ2);

%***beta\_b***(vio\_econ3);

%***beta\_b***(vio\_econ4);

%***beta\_b***(vio\_econ5);

%***beta\_b***(vio\_sad0);

%***beta\_b***(vio\_sad1);

%***beta\_b***(vio\_dg);

/\*during pan B value\*/

**%macro** beta\_b(var\_name);

ods graphics off;

ods select ParameterEstimates;

PROC SURVEYreg DATA=during\_pan19 NOMCAR;

STRATA strata;

CLUSTER cluster;

WEIGHT WEIGHT;

MODEL &var\_name = period / stb clparm; RUN;

**%mend**;

/\*during pandemic each var\*/

%***beta\_b***(vio\_male);

%***beta\_b***(vio\_female);

%***beta\_b***(vio\_urban);

%***beta\_b***(vio\_rural);

%***beta\_b***(vio\_p\_edu0);

%***beta\_b***(vio\_p\_edu1);

%***beta\_b***(vio\_p\_edu2);

%***beta\_b***(vio\_smk0);

%***beta\_b***(vio\_smk1);

%***beta\_b***(vio\_alcohol0);

%***beta\_b***(vio\_alcohol1);

%***beta\_b***(vio\_alcohol2);

%***beta\_b***(vio\_bmi0);

%***beta\_b***(vio\_bmi1);

%***beta\_b***(vio\_bmi2);

%***beta\_b***(vio\_bmi3);

%***beta\_b***(vio\_bmi4);

%***beta\_b***(vio\_grade1);

%***beta\_b***(vio\_grade2);

%***beta\_b***(vio\_grade3);

%***beta\_b***(vio\_grade4);

%***beta\_b***(vio\_grade5);

%***beta\_b***(vio\_econ1);

%***beta\_b***(vio\_econ2);

%***beta\_b***(vio\_econ3);

%***beta\_b***(vio\_econ4);

%***beta\_b***(vio\_econ5);

%***beta\_b***(vio\_sad0);

%***beta\_b***(vio\_sad1);

%***beta\_b***(vio\_dg);