/\*Table3\*/

/\*risk factor\*/

**data** b.risk\_1;

set b.vio\_2;

**run**;

/\*for checking\*/

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

table region sex bmi\_g alcohol\_freq smoking PARENTS\_EDU e\_ses e\_s\_rcrd depression violence;

**run**;

/\*pandamic var\*/

**data** bf\_risk dur\_risk;

set b.risk\_1;

if period in (**1** **2** **3**) then output bf\_risk;

if period in (**3** **4** **5** **6**) then output dur\_risk;

**run**;

/\*overall\*/

**%macro** risk\_factor(ref\_value, class\_variable);

PROC SURVEYLogistic data=b.risk\_1 nomcar;

strata strata;

cluster cluster;

weight weight;

class &class\_variable (ref=&ref\_value) / param=ref;

model vio\_dg (event='1')=&class\_variable;

run;

**%mend**;

%***risk\_factor***('1', sex)

%***risk\_factor***('2', sex)

%***risk\_factor***('1', region)

%***risk\_factor***('2', region)

%***risk\_factor***('0', PARENTS\_EDU)

%***risk\_factor***('1', PARENTS\_EDU)

%***risk\_factor***('2', PARENTS\_EDU)

%***risk\_factor***('0', alcohol\_freq)

%***risk\_factor***('1', alcohol\_freq)

%***risk\_factor***('2', alcohol\_freq)

%***risk\_factor***('0', smoking)

%***risk\_factor***('1', smoking)

%***risk\_factor***('0', bmi\_g)

%***risk\_factor***('1', bmi\_g)

%***risk\_factor***('2', bmi\_g)

%***risk\_factor***('3', bmi\_g)

%***risk\_factor***('4', bmi\_g)

%***risk\_factor***('0', depression)

%***risk\_factor***('1', depression)

%***risk\_factor***('1', e\_ses)

%***risk\_factor***('2', e\_ses)

%***risk\_factor***('3', e\_ses)

%***risk\_factor***('4', e\_ses)

%***risk\_factor***('5', e\_ses)

%***risk\_factor***('1', e\_s\_rcrd)

%***risk\_factor***('2', e\_s\_rcrd)

%***risk\_factor***('3', e\_s\_rcrd)

%***risk\_factor***('4', e\_s\_rcrd)

%***risk\_factor***('5', e\_s\_rcrd)

/\*before pan\*/

**%macro** risk\_factor(ref\_value, class\_variable);

PROC SURVEYLogistic data=bf\_risk nomcar;

strata strata;

cluster cluster;

weight weight;

class &class\_variable (ref=&ref\_value) / param=ref;

model vio\_dg (event='1')=&class\_variable;

run;

**%mend**;

%***risk\_factor***('1', sex)

%***risk\_factor***('2', sex)

%***risk\_factor***('1', region)

%***risk\_factor***('2', region)

%***risk\_factor***('0', PARENTS\_EDU)

%***risk\_factor***('1', PARENTS\_EDU)

%***risk\_factor***('2', PARENTS\_EDU)

%***risk\_factor***('0', alcohol\_freq)

%***risk\_factor***('1', alcohol\_freq)

%***risk\_factor***('2', alcohol\_freq)

%***risk\_factor***('0', smoking)

%***risk\_factor***('1', smoking)

%***risk\_factor***('0', bmi\_g)

%***risk\_factor***('1', bmi\_g)

%***risk\_factor***('2', bmi\_g)

%***risk\_factor***('3', bmi\_g)

%***risk\_factor***('4', bmi\_g)

%***risk\_factor***('0', depression)

%***risk\_factor***('1', depression)

%***risk\_factor***('1', e\_ses)

%***risk\_factor***('2', e\_ses)

%***risk\_factor***('3', e\_ses)

%***risk\_factor***('4', e\_ses)

%***risk\_factor***('5', e\_ses)

%***risk\_factor***('1', e\_s\_rcrd)

%***risk\_factor***('2', e\_s\_rcrd)

%***risk\_factor***('3', e\_s\_rcrd)

%***risk\_factor***('4', e\_s\_rcrd)

%***risk\_factor***('5', e\_s\_rcrd)

/\*during pan\*/

**%macro** risk\_factor(ref\_value, class\_variable);

PROC SURVEYLogistic data=dur\_risk nomcar;

strata strata;

cluster cluster;

weight weight;

class &class\_variable (ref=&ref\_value) / param=ref;

model vio\_dg (event='1')=&class\_variable;

run;

**%mend**;

%***risk\_factor***('1', sex)

%***risk\_factor***('2', sex)

%***risk\_factor***('1', region)

%***risk\_factor***('2', region)

%***risk\_factor***('0', PARENTS\_EDU)

%***risk\_factor***('1', PARENTS\_EDU)

%***risk\_factor***('2', PARENTS\_EDU)

%***risk\_factor***('0', alcohol\_freq)

%***risk\_factor***('1', alcohol\_freq)

%***risk\_factor***('2', alcohol\_freq)

%***risk\_factor***('0', smoking)

%***risk\_factor***('1', smoking)

%***risk\_factor***('0', bmi\_g)

%***risk\_factor***('1', bmi\_g)

%***risk\_factor***('2', bmi\_g)

%***risk\_factor***('3', bmi\_g)

%***risk\_factor***('4', bmi\_g)

%***risk\_factor***('0', depression)

%***risk\_factor***('1', depression)

%***risk\_factor***('1', e\_ses)

%***risk\_factor***('2', e\_ses)

%***risk\_factor***('3', e\_ses)

%***risk\_factor***('4', e\_ses)

%***risk\_factor***('5', e\_ses)

%***risk\_factor***('1', e\_s\_rcrd)

%***risk\_factor***('2', e\_s\_rcrd)

%***risk\_factor***('3', e\_s\_rcrd)

%***risk\_factor***('4', e\_s\_rcrd)

%***risk\_factor***('5', e\_s\_rcrd)