data Florida2005;

State='Florida 2005';

input Sex $ Age $ Incidence PYear;

datalines;

Female 00-14 0 1555149

Female 15-39 212 2670060

Female 40-64 522 3005143

Female 65+ 176 1755337

;

data Florida2016;

State='Florida 2016';

input Sex $ Age $ Incidence PYear;

datalines;

Female 00-14 0 1655353

Female 15-39 251 3099335

Female 40-64 573 3423675

Female 65+ 244 2165568

;

data TwoStates;

length State $ 20.;

set Florida2005 Florida2016;

run;

data US2005;

input Sex $ Age $ PYear;

datalines;

Female 00-14 29564085

Female 15-39 50616918

Female 40-64 48936660

Female 65+ 21201859

;

data US2016;

input Sex $ Age $ PYear;

datalines;

Female 00-14 29851000

Female 15-39 53417000

Female 40-64 53057000

Female 65+ 26337000

;

data US20052016;

length State $ 20.;

set US2005 US2016;

run;

ods graphics on;

proc stdrate data=TwoStates

refdata=US20052016

method=direct

stat=rate(mult=100000)

effect

plots(only)=(dist effect)

;

population group=State event=Incidence total=PYear;

reference total=PYear;

strata Sex Age / effect;

run;

ods graphics off;