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 NewYork2016;

State='New York 2016';

input Sex $ Age $ Incidence PYear;

datalines;

Female 00-14 0 1690067

Female 15-39 187 3393894

Female 40-64 441 3337074

Female 65+ 197 1445591

;

data TwoStates;

length State $ 20.;

set Florida2016 NewYork2016;

run;

data US2016;

input Sex $ Age $ PYear;

datalines;

Female 00-14 29851000

Female 15-39 53417000

Female 40-64 53057000

Female 65+ 26337000

;

ods graphics on;

proc stdrate data=TwoStates

refdata=US2016

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;