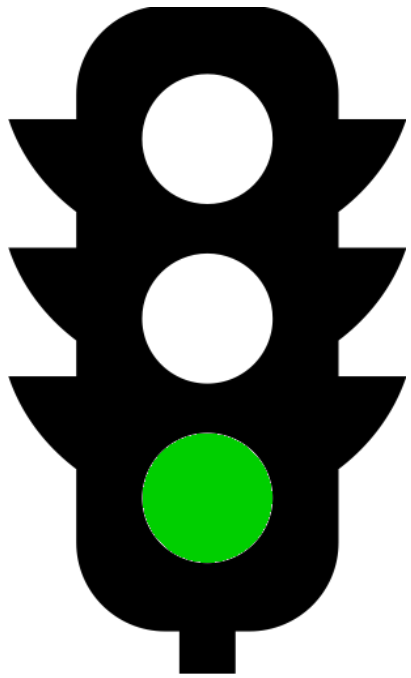


BROWARD HEALTH BENCHMARKS





Indicators Showing Improvement

Maternal & Child Health

Repeat Births to Teens 15-19 years old (-1.6)

Kindergarten Immunizations (+1.1)

Communicable Diseases

Total Tuberculosis Cases (-1.0)

Total AIDS Cases (-1.6)

Shigellosis (-22.1)

Social & Mental Health

Adults Who are Obese (-2.2)

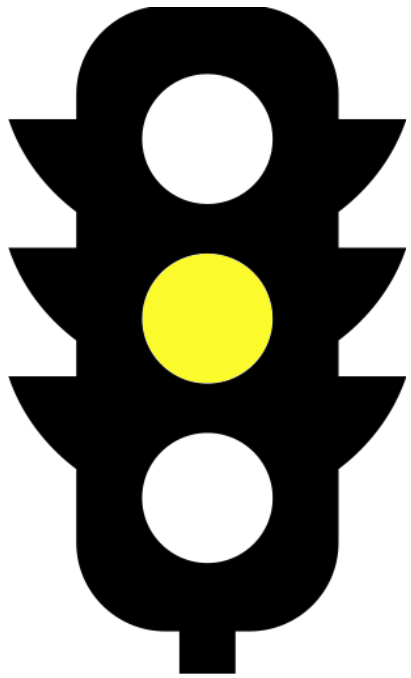
Adults Who Smoke Cigarettes (-1.6)

HS Students Who Currently Smoke Cigarettes (-2.3)

HS Students Who Drink Alcohol (-1.7)

Health Resource Availability and Access to Care

Uninsured Population (-3.5)



Indicators with Minimal Change (≤ 0.9)

Maternal & Child Health

Infant Mortality (-0.2)

Preterm Births (+0.6)

Low Birth Weight (+0.4)

Communicable Diseases

Syphilis (-0.1)

Hepatitis A (+0.1)

Hepatitis B (+0.2)

Salmonellosis (+0.7)

Chronic Diseases

Deaths from Stroke (+0.3)

Deaths from Alzheimer's Disease (+0.3)

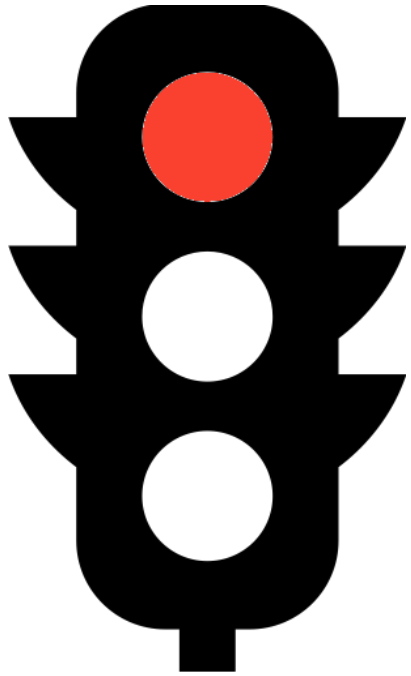
Injury and Violence

Unintentional Falls (+0.8)

Social & Mental Health

Adults Who are Sedentary (+0.9)

Overweight Youth (+0.5)



Indicators Not Showing Improvement

Maternal & Child Health

Prenatal Screenings (-12.0)

Infant Screenings (-3.7)

2 – Year Old Immunizations (-3.6)

Communicable Diseases

Gonorrhea (+29.0)

Chlamydia (+11.3)

Chronic Diseases

Deaths from Cancer (+7.1)

Deaths from Chronic Lower Respiratory Disease (+1.6)

Deaths from Heart Disease (+9.9)

Injury & Violence

Total Unintentional Deaths (+15.8)

Unintentional Poisoning (+13.0)

Social & Mental Health

Obese Youth (+2.0)

Students Who Were Not Physically Active at Least 60min/day at Least 1 Day (+3.9)

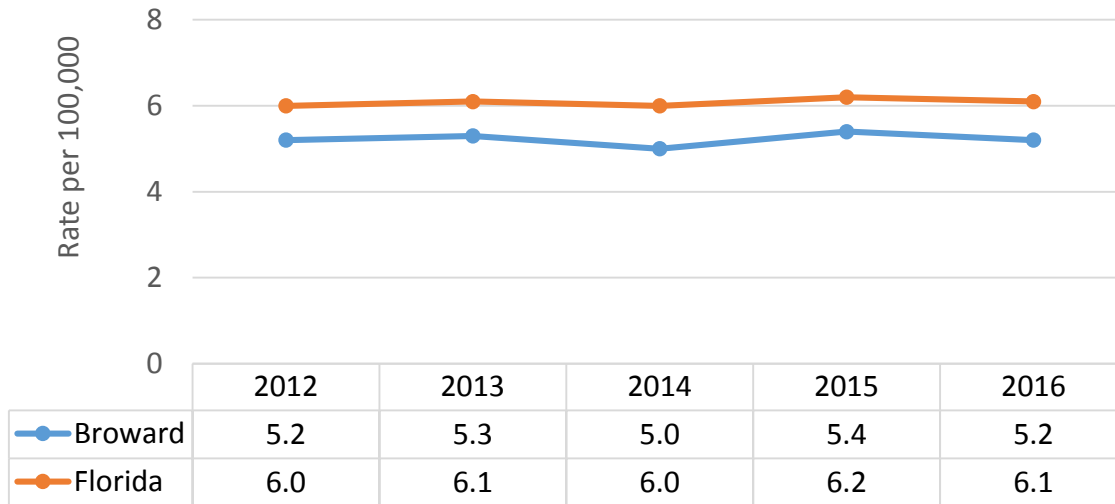
HS Students Who Have Ever Used Cocaine (+1.5)

HS Students Who Smoke Marijuana (+2.3)

Maternal & Child Health: Infant Mortality



Infant Mortality¹



The infant mortality rate, considered to be a leading indicator of community health, is defined as deaths during the first year of life. It is a reflection of the mother's health, maternal care system effectiveness, newborn health, and care and follow-ups with well child services during the first year of life. Secondary indicators that contribute to infant mortality are repeat births to teens, prenatal and infant screenings, and low birth weight.

Broward 2020 Goal	FL-DOH Goal	HP 2020 Goal
6.1	6.1	6.0

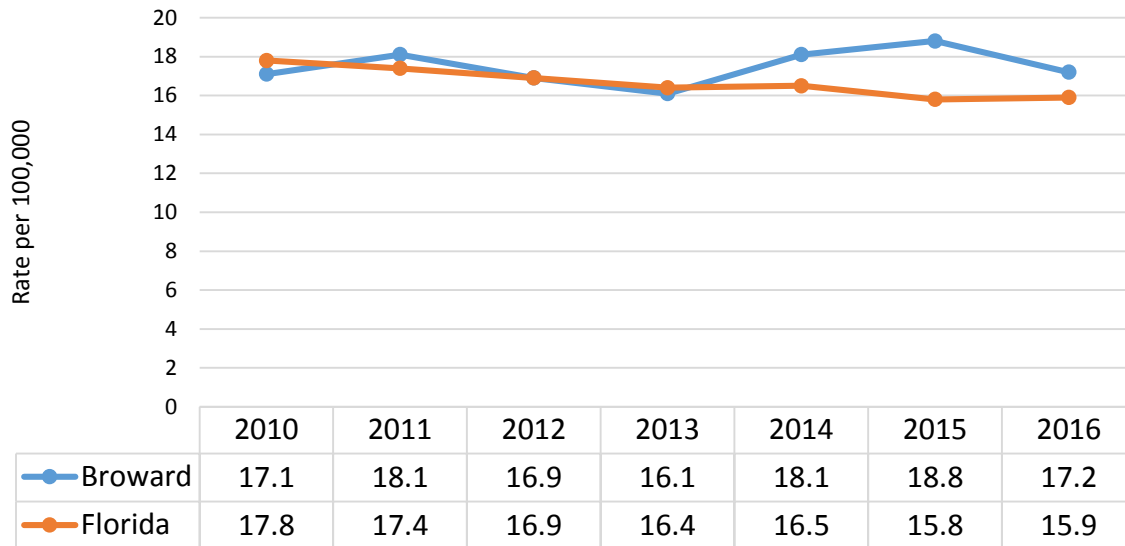
Infant Mortality Rate (per 100,000)	2012	2013	2014	2015	2016	Broward Goal	HP 2020 Goal
White	3.4	2.6	2.2	3.0	3.2	3.5	6.0
Non-White	7.4	8.2	8.4	8.7	7.7	8.0	6.0

Since 2012, rates for infant mortality have been consistently lower in Broward County when compared to the state as a whole. As of 2016, the total infant mortality rate of 5.2 meets the Broward 2020, Florida Department of Health and Healthy People 2020 goals. From 2015 to 2016 Whites experienced a rate increase while Non-Whites experienced a decrease. However, both groups meet the Broward 2020 goal while Non-Whites do not meet the Healthy People goal.

Maternal & Child Health: Repeat Births to Teens



Repeat Births to Teens 15-19 Years Old¹



In 2016, Broward's rate for repeat births to teens 15-19 decreased from 18.8 to 17.2. This is the first decrease experienced in Broward since 2013.

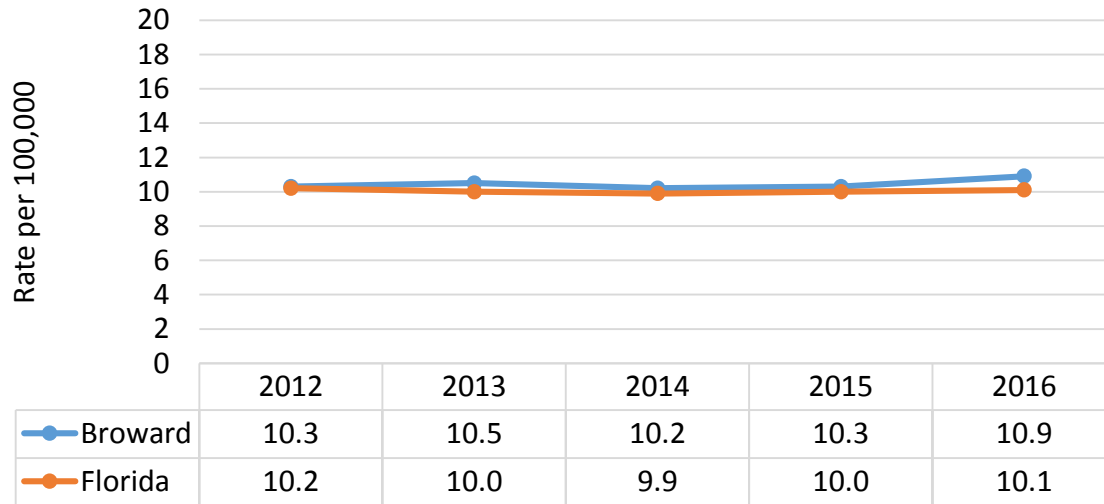
HP 2020 Goal

Not Available

Maternal & Child Health: Preterm Births



Preterm Births (<37 weeks gestation)¹



Broward’s rate for preterm births has been consistently higher than Florida’s since 2012. Rates in Broward and Florida have been increasing since 2014.

HP 2020 Goal

11.4%

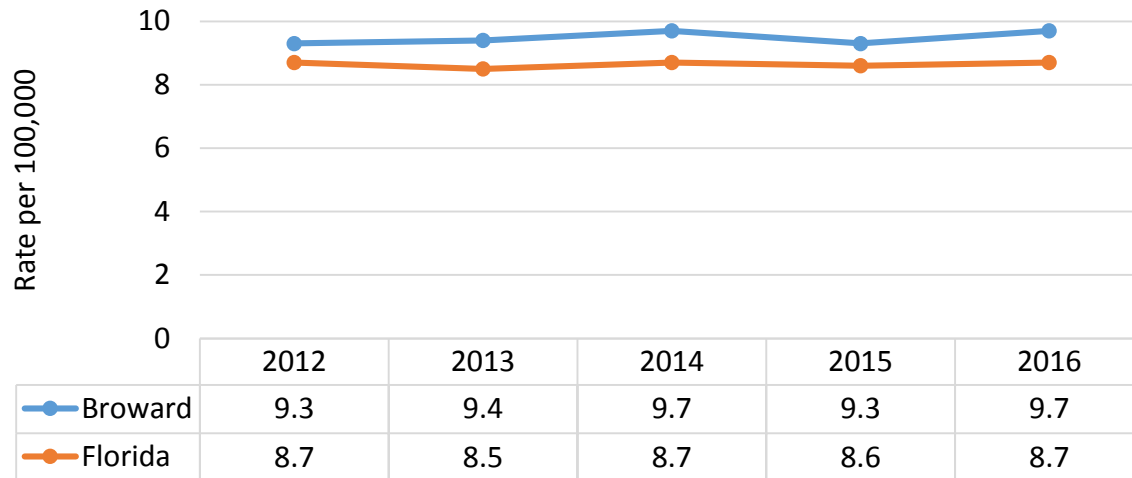
% of Preterm Births	2012	2013	2014	2015	2016	HP 2020 Goal
White	8.9	9.0	8.2	8.9	8.8	11.4
Non-White	12.0	12.2	12.6	12.1	13.4	11.4

With regards to race the rate of preterm births among Whites has been meeting the Healthy People 2020 goal since 2012, however, during this same time period Non-Whites did not reach this goal.

Maternal & Child Health: Low Birth Weight



Low Birth Weight¹



Broward has had higher rates of low birth weight than Florida since 2012. The 2016 rate of 9.7 (an increase from 9.3 in 2015) does not meet the Broward 2020 or Healthy People 2020 goals.

Broward 2020 Goal	HP 2020 Goal
7.5	7.8

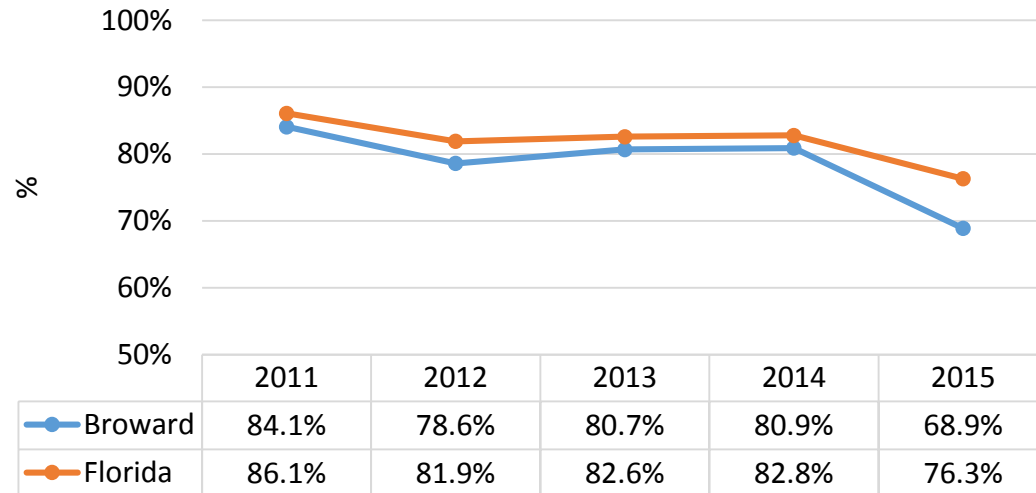
Low Birth Weight Rate (per 100,000)	2012	2013	2014	2015	2016	Broward Goal	HP 2020 Goal
White	7.3	7.3	7.2	7.3	7.1	5.5	7.8
Non-White	11.5	11.9	12.6	11.9	12.9	9.0	7.8

With regards to race, in 2016, the rate of low birth weight among Whites did not meet the Broward 2020 goal; however, it fell within the Healthy People 2020 goal. Non-Whites did not reach either goal in 2016.

Maternal & Child Health: Screenings



Prenatal Screening²

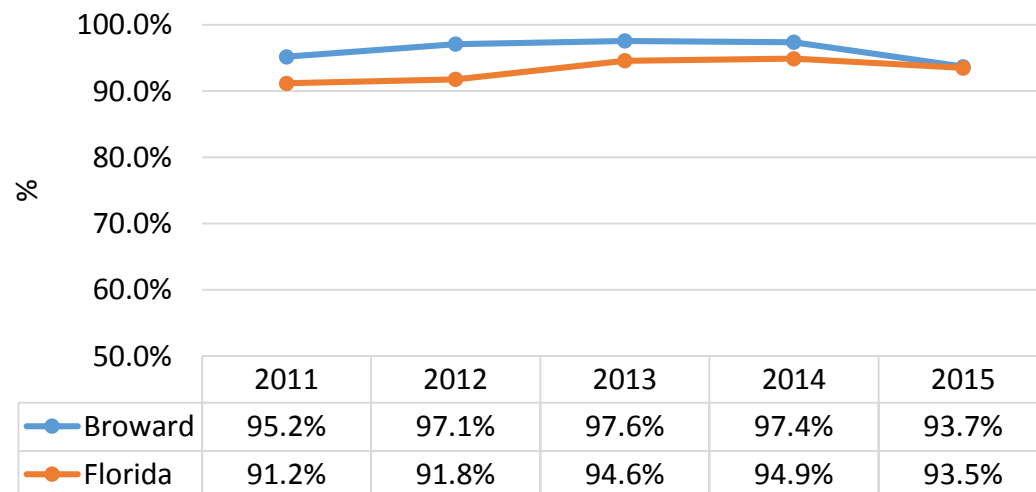


Prenatal screenings have consistently been lower in Broward than in Florida since 2011. In 2015, both Broward and Florida experienced significant decreases in the number of prenatal screenings

Broward
2020
Goal

85%

Infant Screenings²



The percent of infant screening in Broward has been higher than in Florida since 2010. Broward infant screenings reached 97.6% (an increase from 2012's 97.1%) in 2013, meeting the county's 2020 Goal.

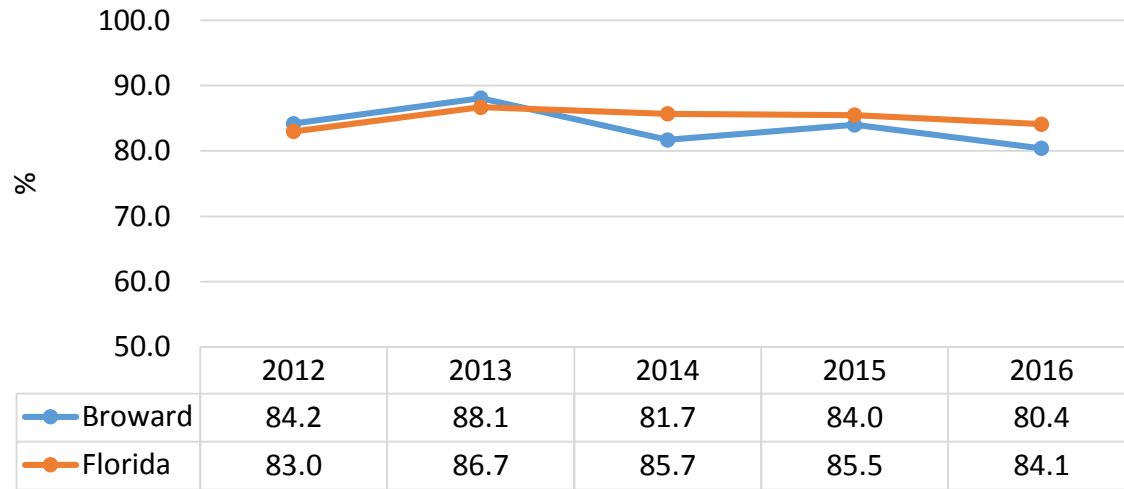
Broward
2020
Goal

95%

Maternal & Child Health: Immunizations



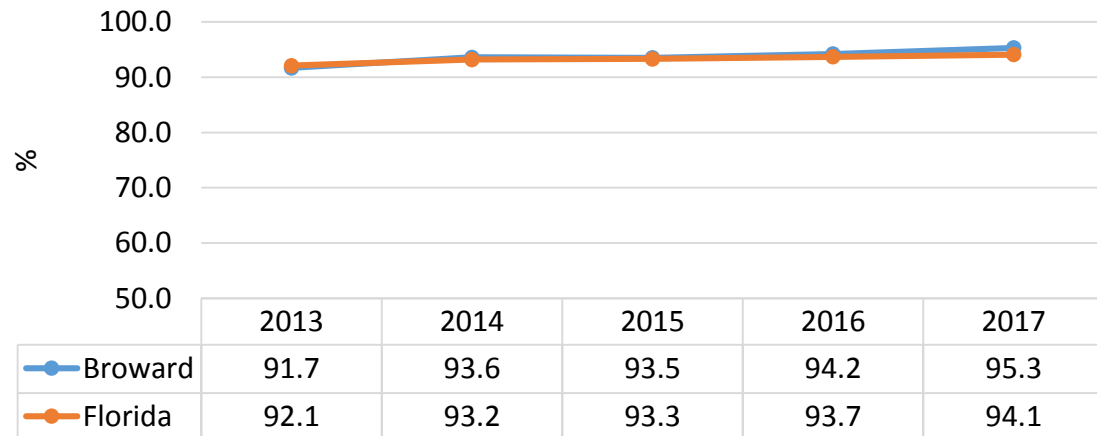
2-year Old Immunizations¹



Over the years the percent of 2-year olds receiving their immunizations has fluctuated. In 2016, immunizations among this population decreased from the previous year. This percent (80.0%) remains below both the Broward and Healthy People 2020 goals.

Broward 2020 Goal	HP 2020 Goal
90%	90%

Kindergarten Immunizations¹



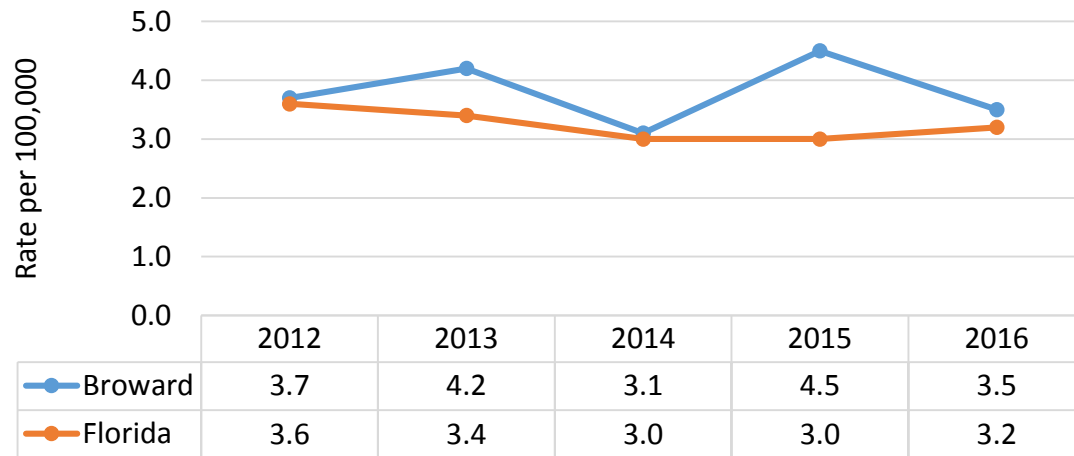
Since 2013, the percent of immunized Kindergartners has remained relatively stable. In 2017 the percentage of this population that was immunized met the Broward and Healthy People 2020 goals.

Broward 2020 Goal	HP 2020 Goal
95%	95%

Communicable Diseases: Tuberculosis & AIDS



Total Tuberculosis Cases¹

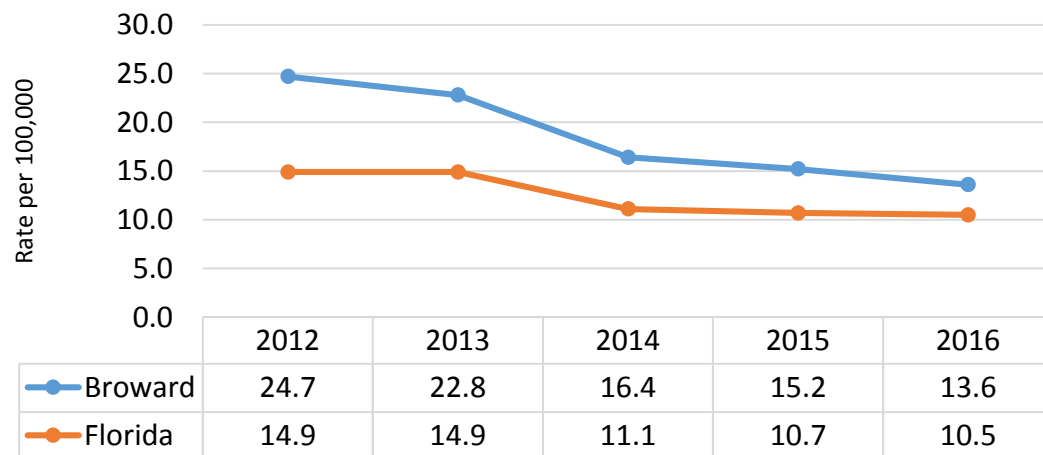


Despite remaining higher than Florida's overall tuberculosis cases, Broward's total number of cases dropped from 2015 to 2016 from 4.5 to 3.5.

HP
2020
Goal

3.5

AIDS Cases¹



Total AIDS cases decreased in Broward and Florida in 2016, however Broward's rate still remains higher overall at 13.6 (compared to Florida's 10.5). Broward meets the Healthy People 2020 goal.

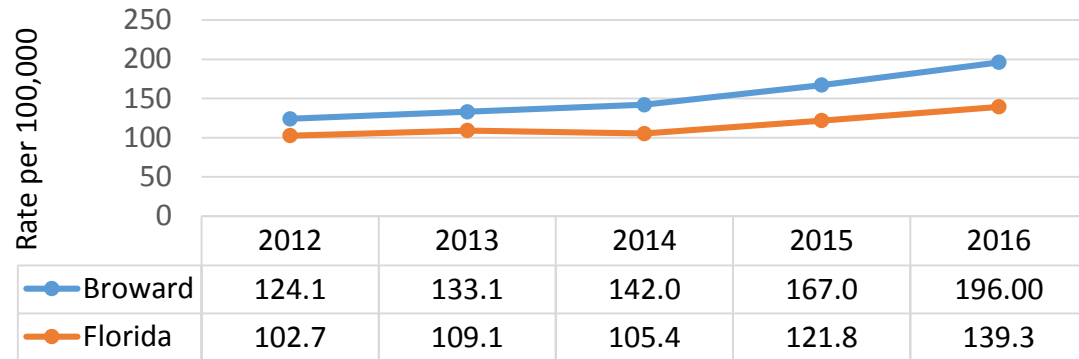
HP
2020
Goal

17.2

Communicable Diseases: Sexually Transmitted Infections



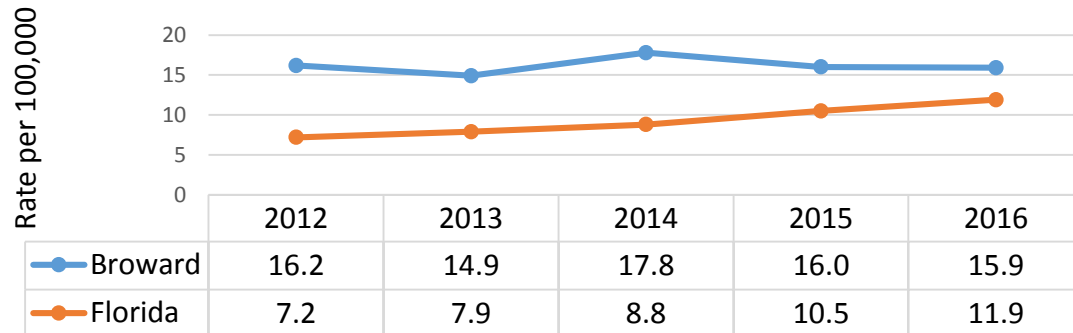
Gonorrhea¹



Rates of gonorrhea have increased each year since 2012, reaching 196.0 in 2016 which is the highest rate in Broward since before 2009. This rate is a continuance in the trend of Broward having higher rates of gonorrhea than Florida.

HP 2020
Goal
Not
Available

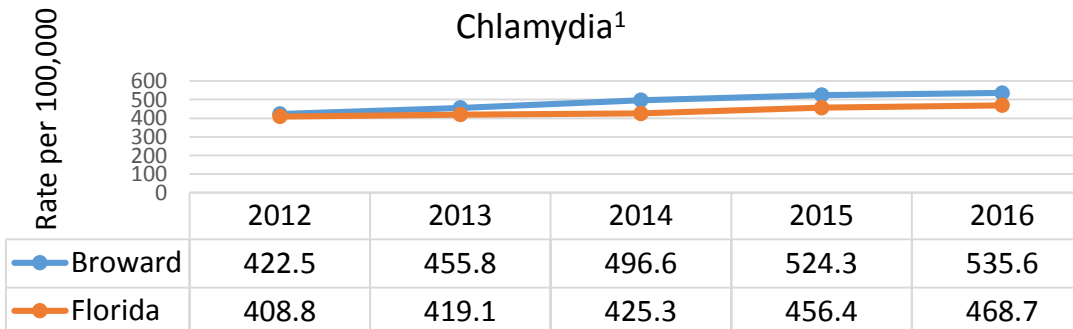
Syphilis¹



In 2016 the syphilis rate in Broward remained relatively steady going from 16.0 to 15.9. Although a decrease, this rate is still higher than Florida's rate of 11.9.

HP 2020
Goal
Not
Available

Chlamydia¹



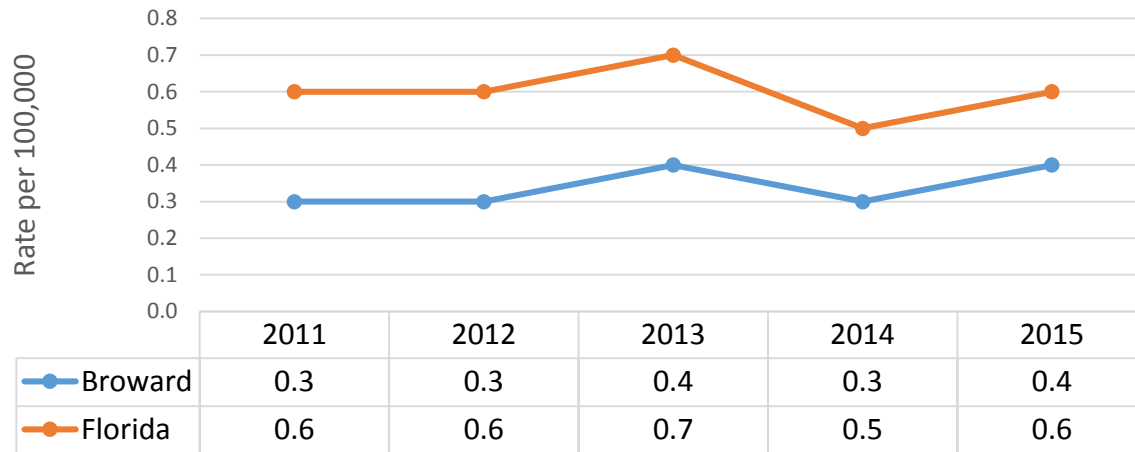
Rates of chlamydia increased in 2015 for both Broward and Florida, however, Broward's rate continue to be significantly higher compared to Florida (536.6 and 468.7 respectively).

HP 2020
Goal
Not
Available

Communicable Diseases: Hepatitis A&B



Hepatitis A¹

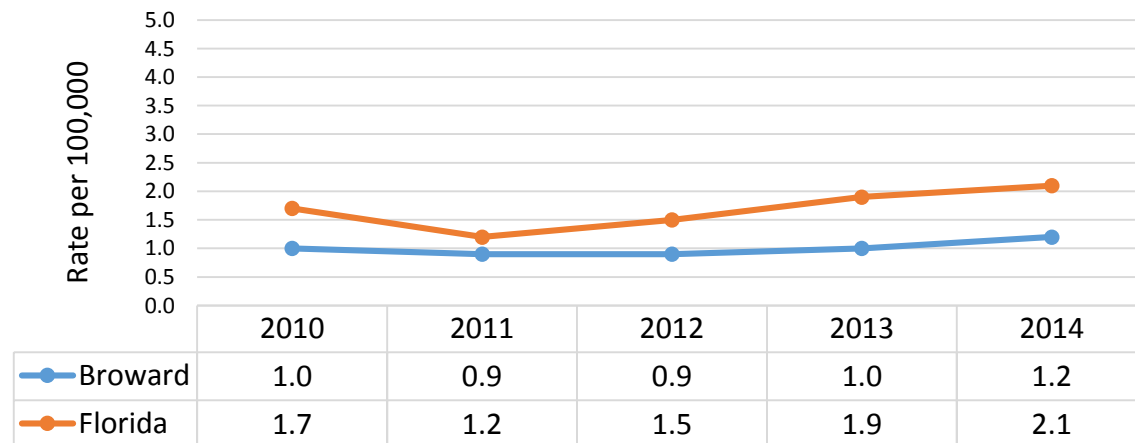


The rate for Hepatitis A in Broward remained relatively constant fluctuating between 0.3 and 0.4 from 2011 to 2015 (0.3) which is a lower rate Florida's (0.6).

HP
2020
Goal

0.3

Hepatitis B¹



The Hepatitis B rate for Broward increased in 2014 to 1.2 from 1.0; however, this rate is lower than Florida's rate of 2.1.

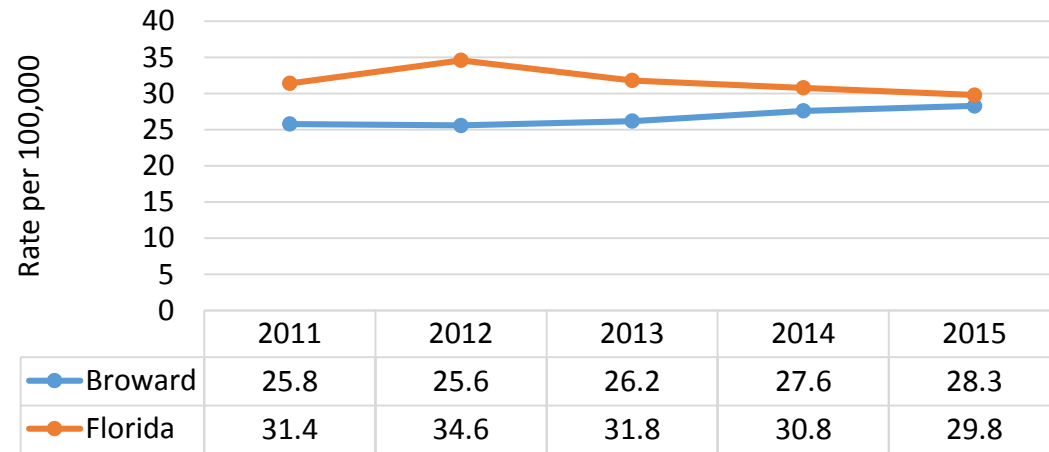
HP
2020
Goal

1.5

Communicable Diseases: Salmonellosis & Shigellosis



Salmonellosis¹

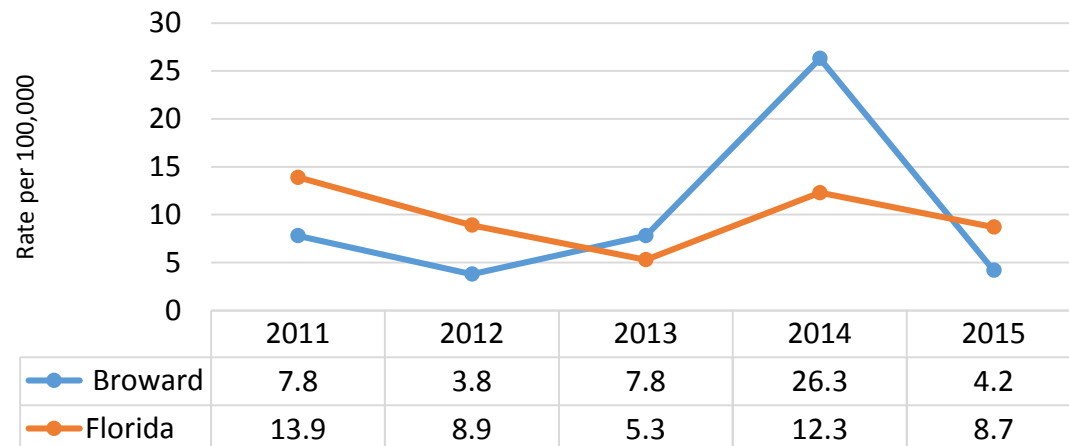


Rates for salmonellosis in Broward have been increasing steadily since 2012 leading to a rate of 28.3 for 2015. This rate is lower than that of Florida which had a rate of 29.8 in 2015.

HP 2020
Goal

11.4

Shigellosis¹

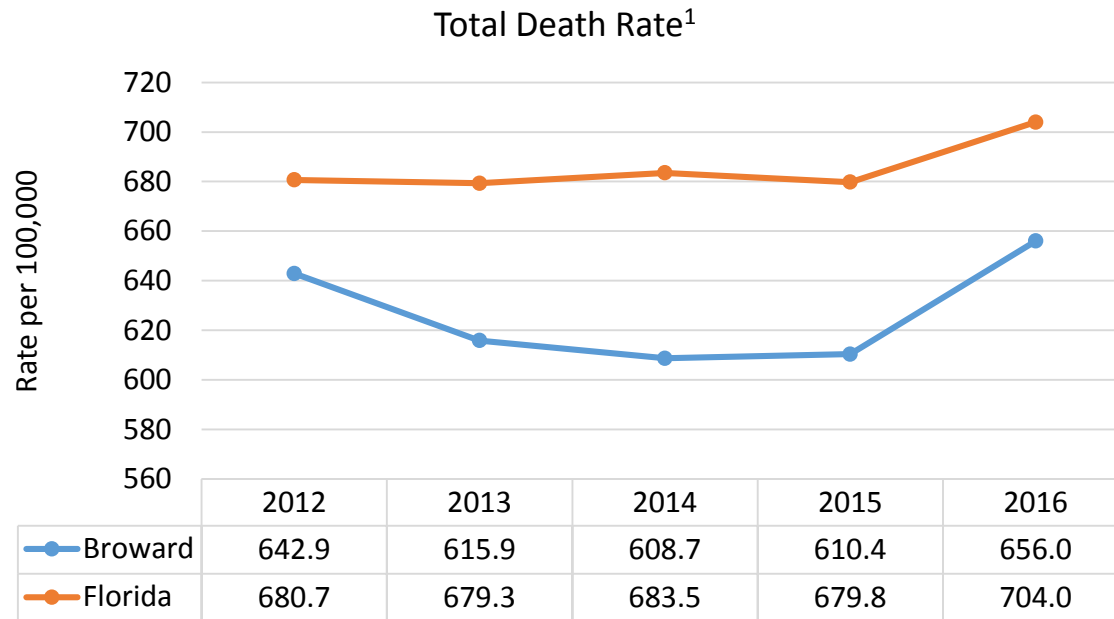


Rates for shigellosis significantly decreased in Broward and Florida from 2014 to 2015 (26.3 to 4.2 and 12.3 to 8.7 respectively).

HP 2020
Goal

Not
Available

Chronic Diseases: Total Death Rate

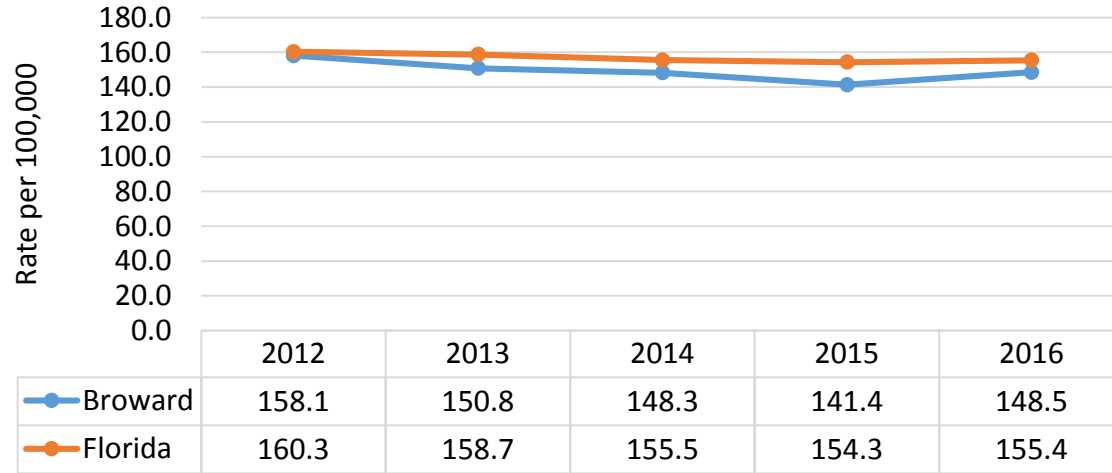


The total death rate increased in both Broward County and Florida in 2016.

Chronic Diseases: Cancer & Stroke Deaths



Deaths from Cancer¹

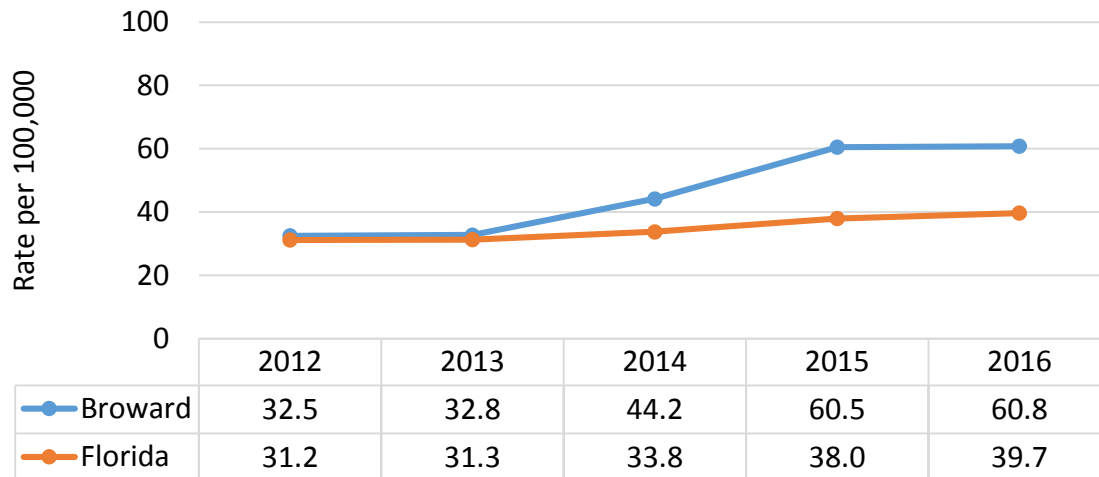


Deaths from cancer increased in both Broward and Florida from 2015 to 2016 (141.4 to 148.3 and 154.3 to 155.4 respectively).

HP 2020
Goal

161.4

Deaths from Stroke¹



The death rate from strokes remained steady in Broward in 2016. During the same time period, Florida also experienced an increase from 33.8 to 38.0.

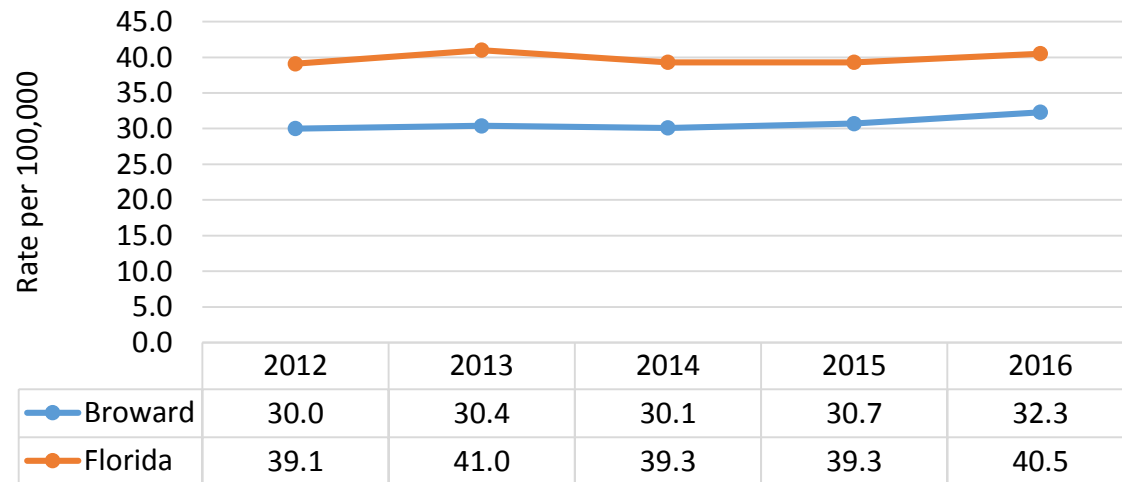
HP
2020
Goal

34.8

Chronic Diseases: Respiratory and Heart Disease Deaths



Chronic Lower Respiratory Disease¹

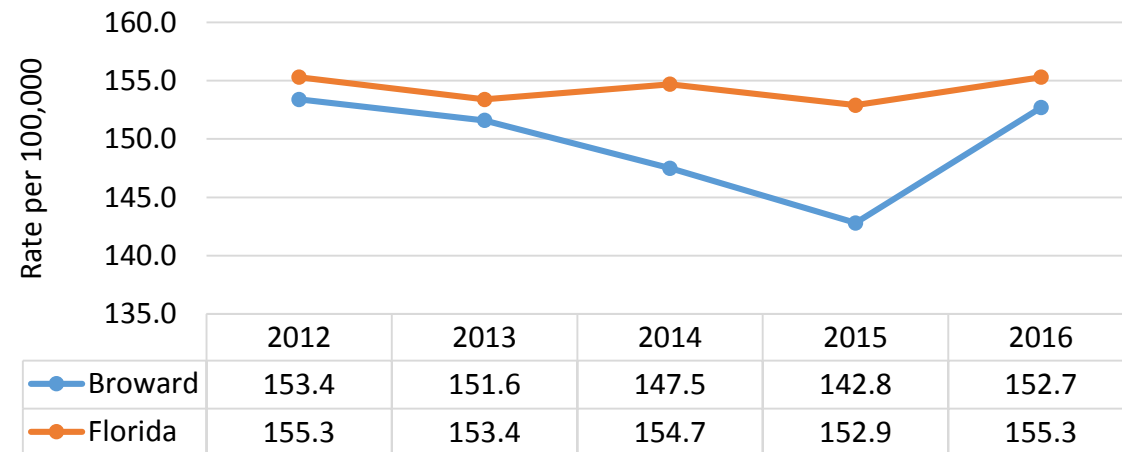


The death rate for deaths caused by chronic lower respiratory disease increased slightly in Broward from 30.1 to 30.7. during this same period, Florida's rate remained steady at 39.3.

HP 2020 Goal

Not Available

Heart Disease¹

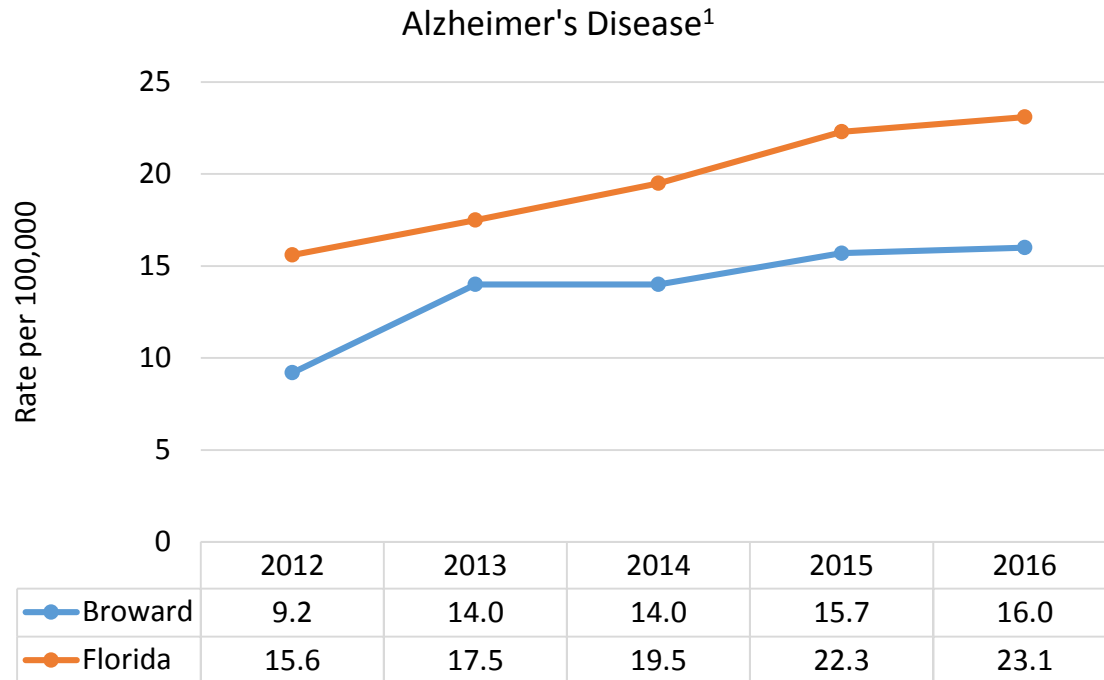


The death rate for heart disease has experienced significant decreases since 2012 reaching a 5-year low of 142.8 in 2015.

HP 2020 Goal

103.4

Chronic Diseases: Alzheimer's Disease Deaths



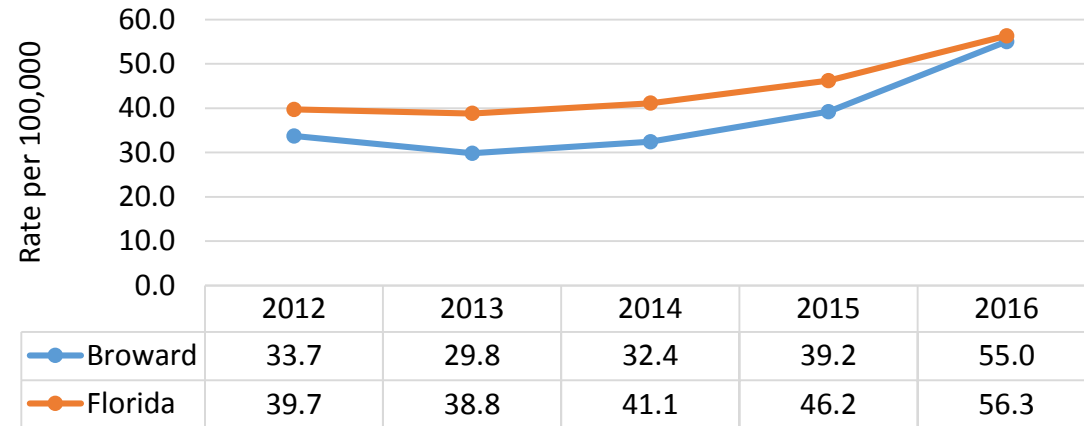
From 2015 to 2016 the death rate for deaths caused by Alzheimer's Disease increased in Broward from 15.7 to 16.0, as well as in Florida, from 22.3 to 23.1.

HP 2020
Goal
Not
Available

Injury & Violence: Unintentional Deaths



Unintentional Death Rate Total¹

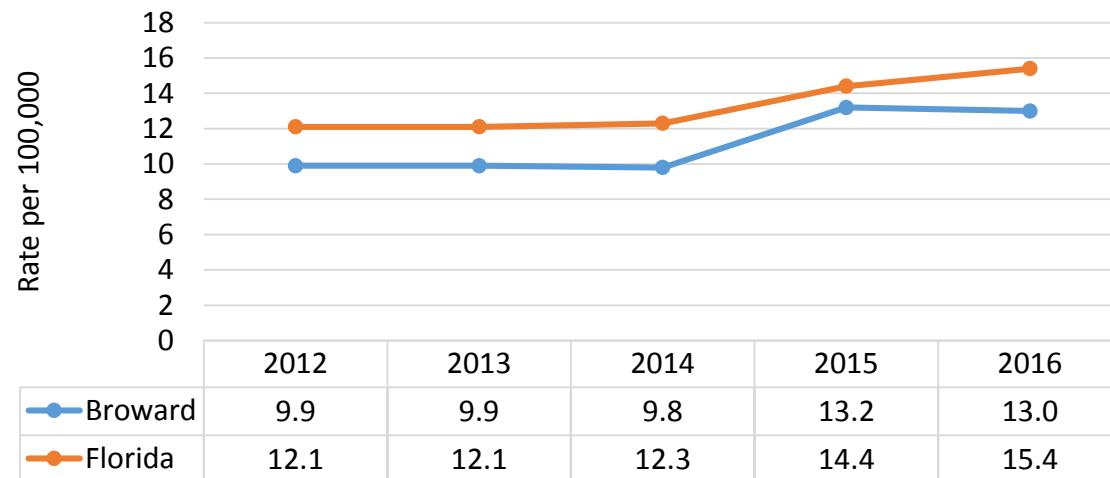


The unintentional death rates experienced sharp increases for Broward County and Florida in 2016. Broward's 2016 rate of 55.0 was the highest rate in 5 years and also nearly closes the gap with Florida's rate of 56.3.

HP 2020 Goal

Not Available

Motor Vehicle Deaths¹



Motor vehicle deaths decreased from 13.2 to 13.0 in Broward County from 2015 to 2016.

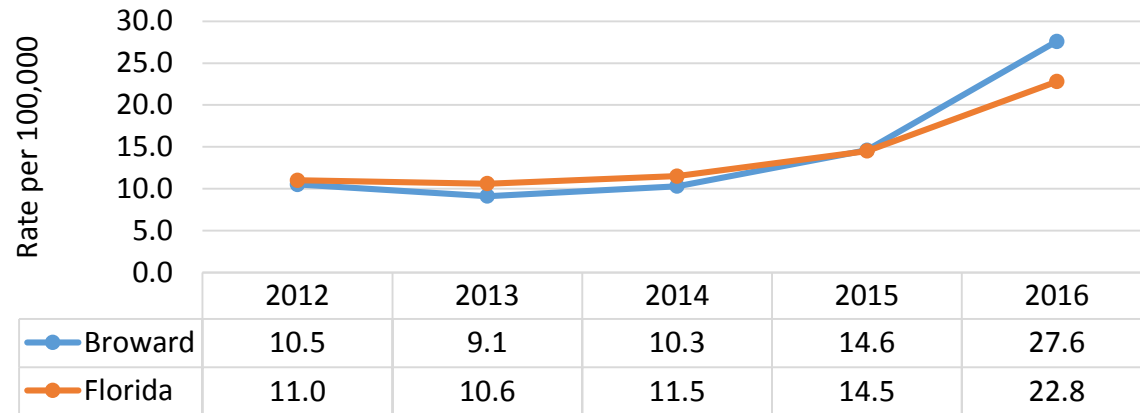
HP 2020 Goal

12.4

Injury & Violence: Unintentional Deaths



Unintentional Poisoning Deaths¹

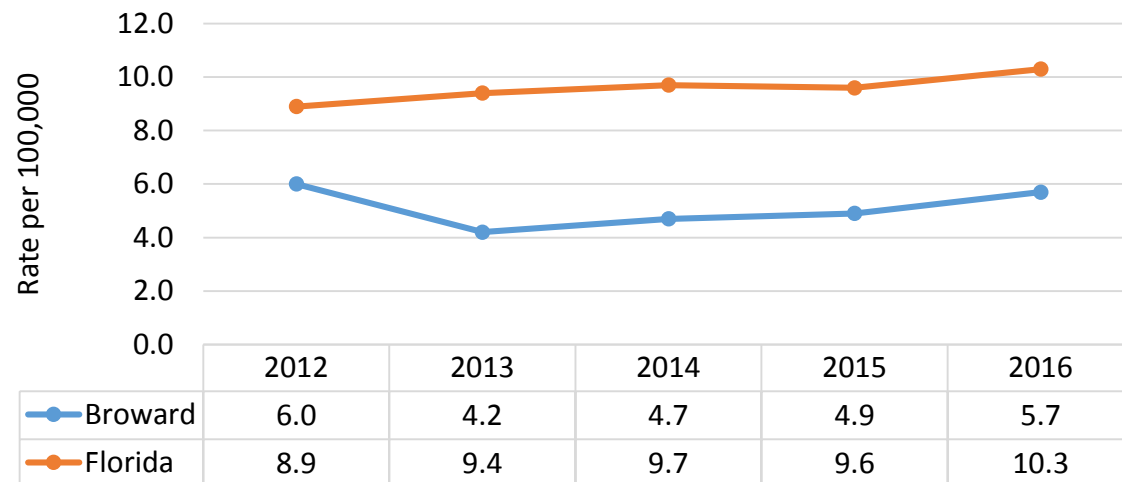


The rate of unintentional poisoning deaths have increased annually since 2013 finally reaching 14.6 in 2015. 2015 was the first time since 2011 that Broward's rate was higher than Florida's.

HP 2020 Goal

11.1

Unintentional Fall Deaths¹



While the death rate for unintentional falls has risen slightly in Broward from 4.7 to 4.8, it decreased in Florida from 9.7 to 9.5.

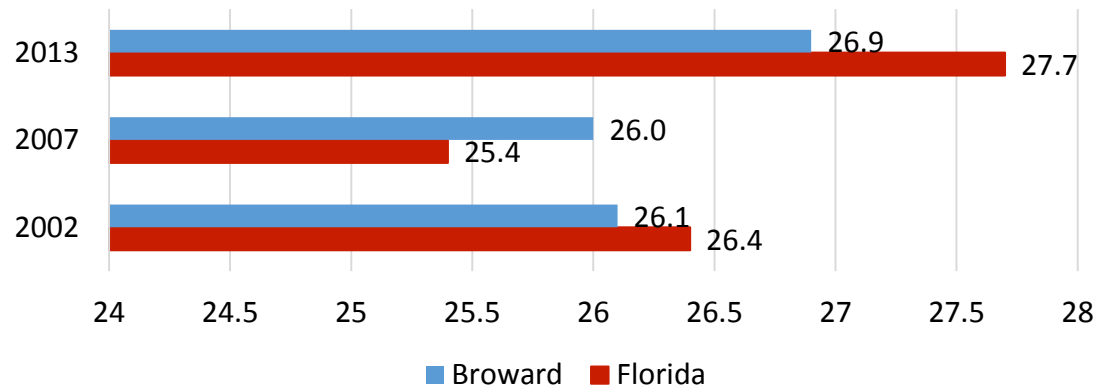
HP 2020 Goal

7.2

Social & Mental Health: Behavioral Risk Factor Surveillance Survey



Adults Who are Sedentary³

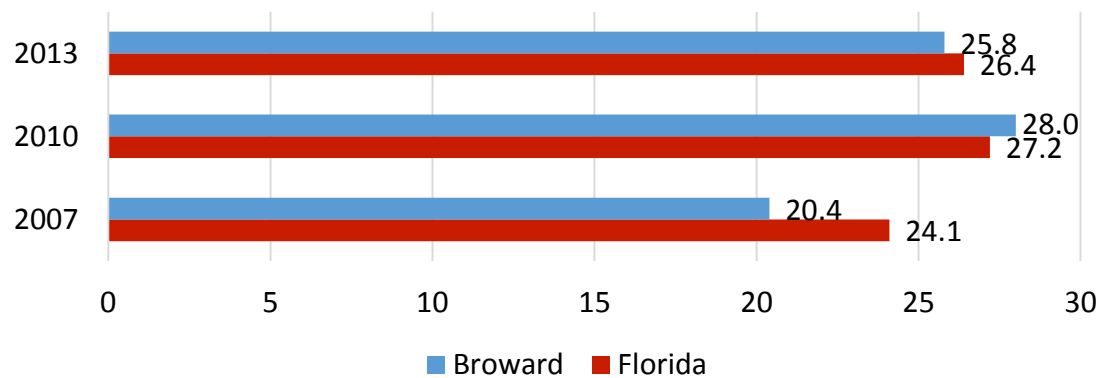


From 2002 to 2013 the percent of adults who are sedentary increased from 26.0% to 26.9%. Florida experienced a greater increase going from 25.4% to 27.7%.

HP 2020 Goal

Not Available

Adults Who are Obese³



After experiencing an increase in adult obesity from 2007 to 2010 Broward had a decrease in 2013 (from 28.0% to 25.8%). During this same period Florida experienced a slight decrease in the number of obese adults.

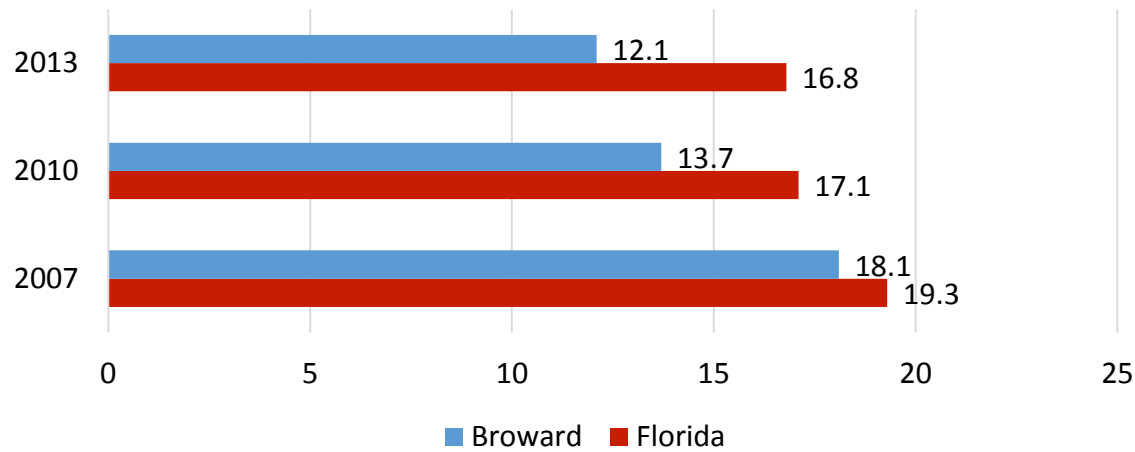
HP 2020 Goal

30.5%

Social & Mental Health: Behavioral Risk Factor Surveillance Survey



Adults Who Smoke Cigarettes³



Broward's percent of adults who smoke cigarettes continued to decrease in 2013 to 12.1%; lower than Florida's rate of 16.8.

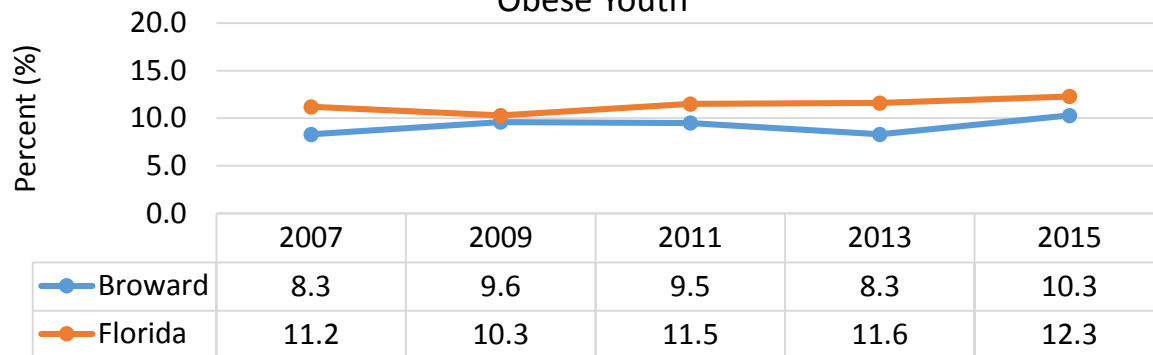
HP 2020
Goal

12%

Social & Mental Health: Youth Risk Behavior Surveillance Survey

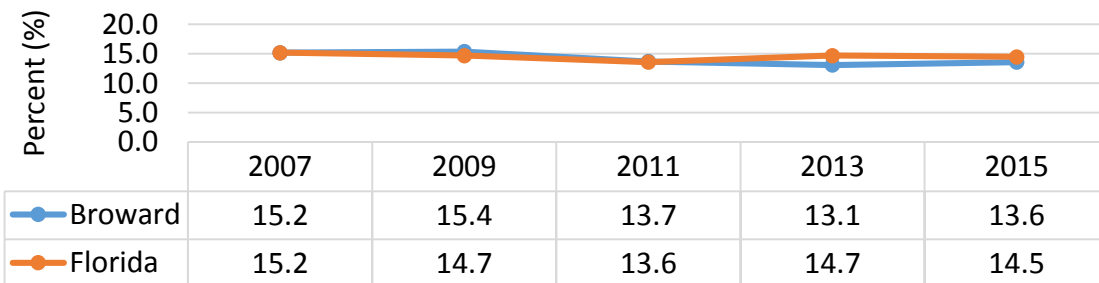


Obese Youth⁴

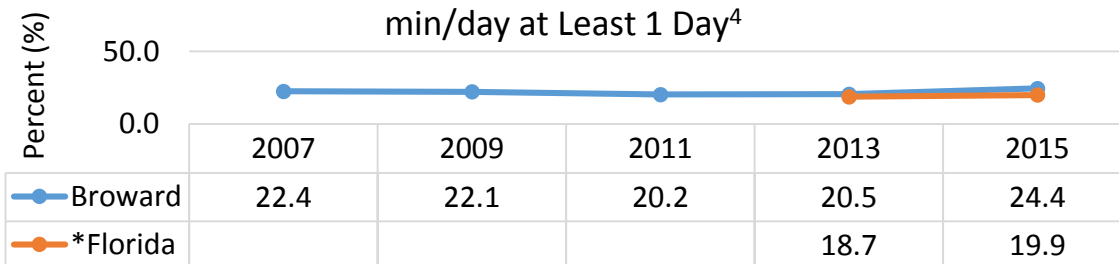


Broward's percentages for obesity and overweight youth increased in 2015 (8.3 to 10.3 and 13.1 to 13.6 respectively). In 2013, Florida rates for obese youth increased while and overweight youth rates decreased from the previous observed period.

Overweight Youth⁴



Students Who Were Not Physically Active at Least 60 min/day at Least 1 Day⁴



The past three Youth Risk Behavior Surveillance Surveys have shown increases in the percent of high school students who were **not** physically active for 60 minutes on at least one day. In 2015, the percent in Broward reached 24.4 which is the highest rate recorded since prior to 2007.

HP 2020 Goal

16.1%

HP 2020 Goal

Not Available

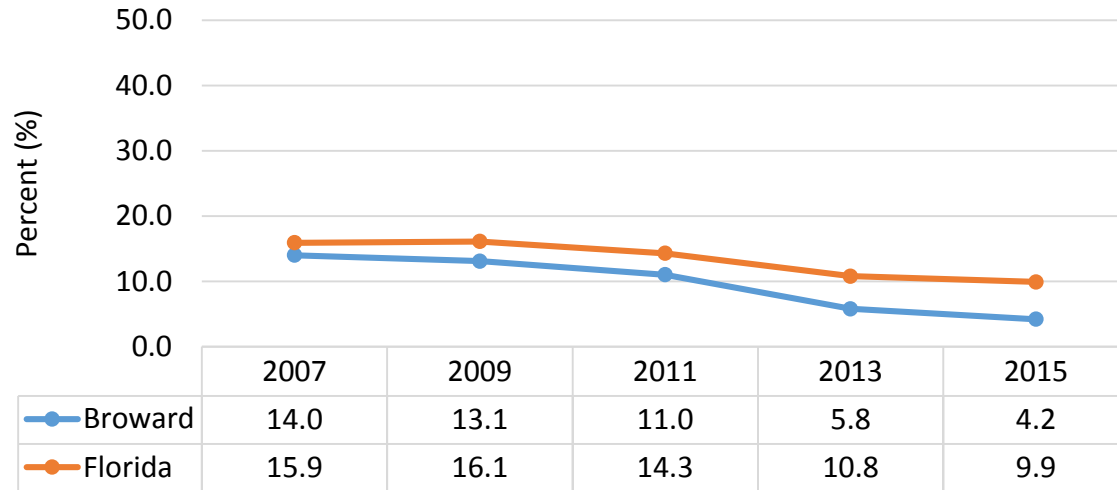
HP 2020 Goal

Not Available

Social & Mental Health: Youth Risk Behavior Surveillance Survey



High School Students Who Currently Smoke Cigarettes⁴

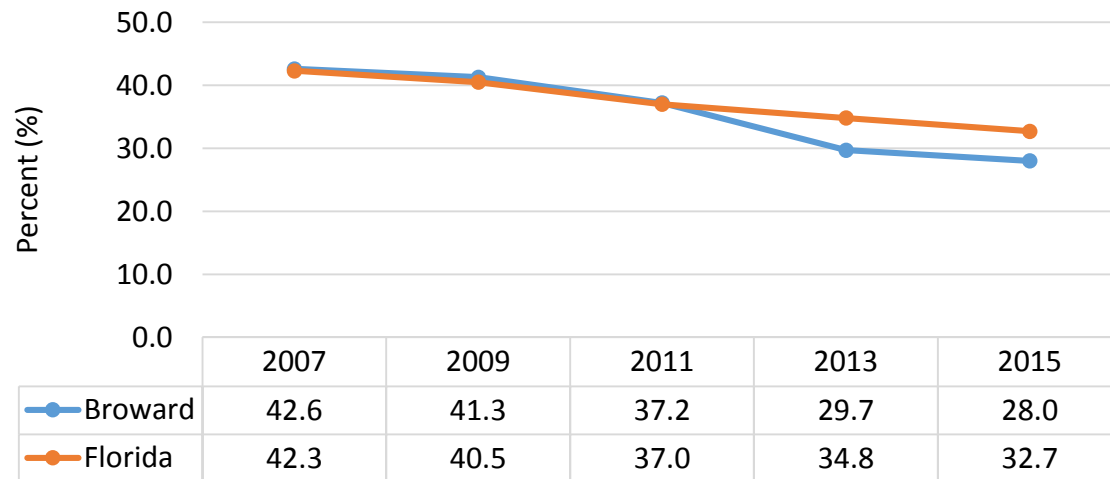


Youth who smoke cigarettes has consistently been dropping in Broward since 2007. In 2013 the 5.8% of youth smoked which is nearly half of Florida’s percentage of 10.8.

HP 2020
Goal

16.0%

High School Students Who Drink Alcohol⁴



The percent of youth who drink alcohol has been decreasing in Broward and Florida since 2007. In 2013 Broward reached 29.7%— lower than Florida’s 34.8%.

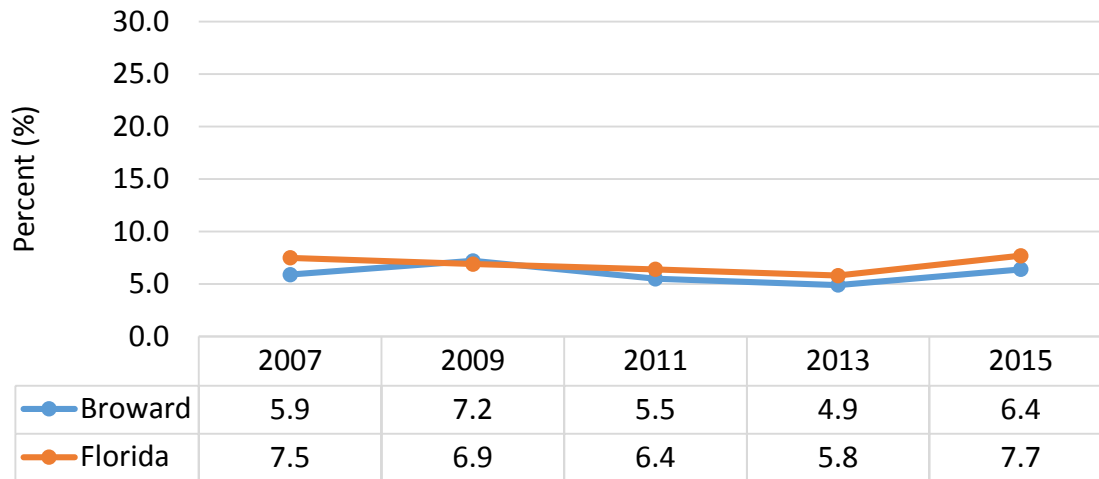
HP 2020
Goal

16.6%

Social & Mental Health: Youth Risk Behavior Surveillance Survey



High School Students Who Have Ever Used Cocaine⁴

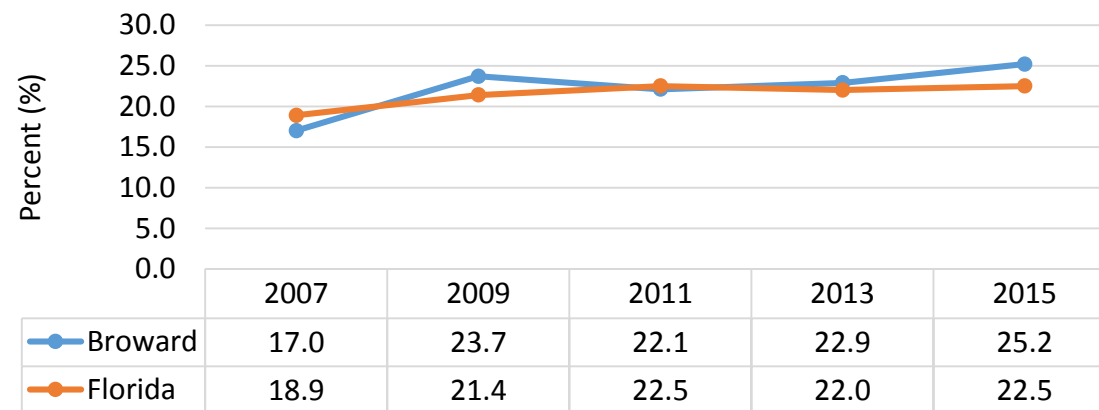


The percent of youth who have ever used cocaine has increased in both Broward and Florida in 2015, however Florida's rate remains higher than Broward's (7.7% compared to 6.4%).

HP 2020
Goal

Not
Available

High School Students Who Smoke Marijuana⁴



Youth who smoke marijuana in Broward increased from 22.9% to 25.2% in 2015. This is higher than that the 22.5% of youth in Florida who smoke marijuana.

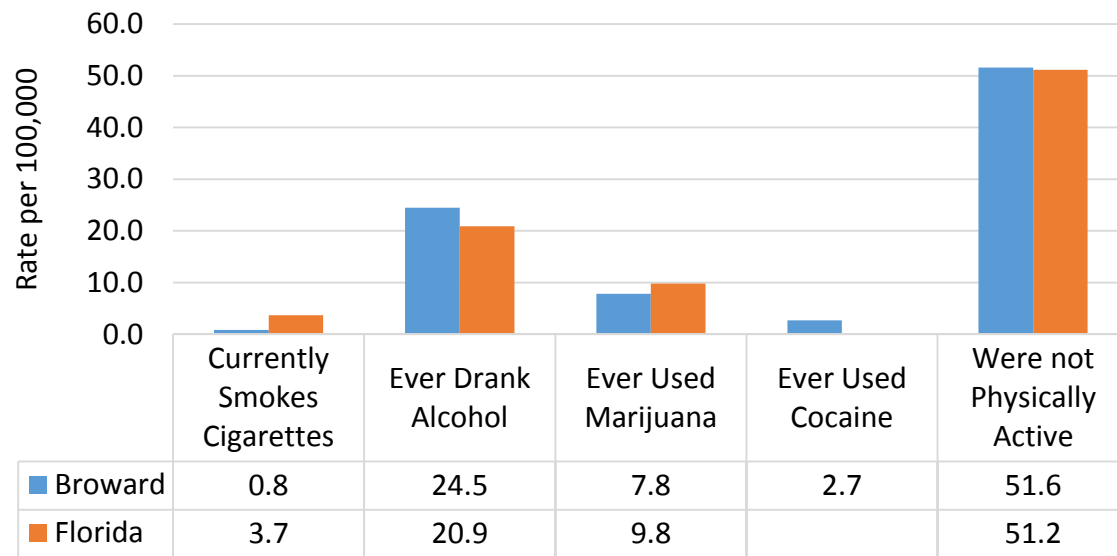
HP
2020
Goal

6.0%

Social & Mental Health: Youth Risk Behavior Surveillance Survey



Middle School YRBS Results, 2015⁴

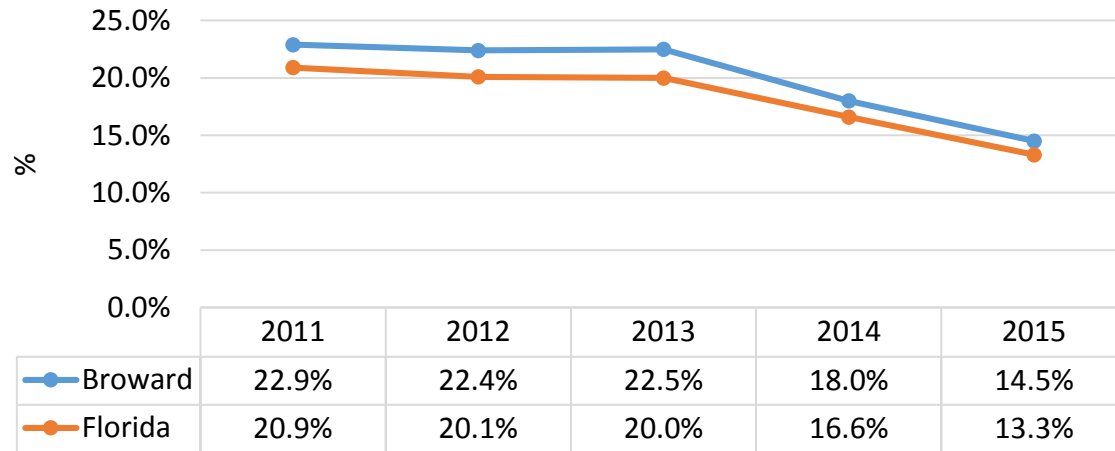


2013 marked the first year that the Youth Risk Behavior Survey was conducted on middle school students. In comparison to Florida, Broward has lower rates of middle school students who smoke cigarettes, and have ever used marijuana. However, Broward had higher rates of middle school students who ever drank alcohol, and were not physically active for at least 60 minutes at least 1 day. No comparison could be made for middle school students who ever used cocaine because that data was not captured for the state.

Health Resource Availability and Access to Care



Uninsured Population⁵



The percent of uninsured citizens in Broward decreased in 2015 to 14.5%. This rate is remains higher than Florida's but marks the lowest rate in the past 5 years.

HP
2020
Goal

0%

	2011	2012	2013	2014	2015	HP 2020 Goal
White	19.8	18.7	19.9	16.1	12.1	0%
Black	28.8	29.2	27.5	21.1	17.5	0%
Under 18	12.4	12.4	12.0	10.2	7.1	0%
18-64	30.9	30.3	30.5	24.3	19.7	0%
65+	3.2	2.7	4.4	2.8	3.7	0%

When taking race into consideration, Blacks have a higher uninsured percent than Whites. From 2014 to 2015 while the number of uninsured Whites decreased from 16.1% to 12.1%, the percent of uninsured Blacks decreased from 21.1% to 17.5%. In regards to age more people in the 18-64 age range are uninsured (19.7%) compared to those under 18 (7.1%) and those over 65. It is important to note that in 2015 the number of uninsured over 65 increased from 2.8% to 3.7%. From 2014 to 2015 the percent of uninsured for all groups decreased but remain about the Healthy People goal of 0 uninsured.

References

1. Florida Charts- www.floridacharts.com
2. Healthy Start Reports- www.floridacharts.com/HS/login
3. Behavior Risk Factor Surveillance System- <http://www.cdc.gov/brfss/>
4. Youth Risk Behavior Surveillance System- <http://www.cdc.gov/HealthyYouth/yrbs/index.htm>
5. American Community Survey- www.factfinder2.census.gov



For more information, contact:

Régine Kanzki, MPH

Division Director

Broward Regional Health Planning Council, Inc.

rkanzki@brhpc.org

www.brhpc.org