

2019 Community Health Assessment Miami-Dade County, Florida

Prepared By:

Florida Department of Health in Miami-Dade County
June 30, 2019



Epidemiology



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Epi Overview

• This section includes:

- ✓ Leading Causes of Death
- ✓ Years of Potential Life Lost
- ✓ Injury
- ✓ Mental Health
- ✓ Maternal/Child Health



Leading Causes of Death

Top 10 Leading Causes of Death in Miami-Dade County in Comparison to Florida and the United States, 2017

| Causes of Death | Miami-Dade County | Florida | United States |
|-------------------------|-------------------|---------|---------------|
| Heart Disease | 148.4 | 148.5 | 165.6 |
| Cancer | 128.2 | 149.4 | 155.8 |
| Stroke | 43.1 | 39.6 | 37.3 |
| Chronic Lower | 29.6 | 40.0 | 40.6 |
| Respiratory Disease | | | |
| Unintentional Injury | 30.6 | 56.0 | 47.4 |
| Alzheimer's Disease | 23.8 | 21.0 | 30.3 |
| Diabetes | 22.4 | 20.7 | 21.0 |
| Influenza and Pneumonia | 9.1 | 9.8 | 13.5 |
| Nephritis, Nephrotic, | 9.1 | 10.3 | 13.1 |
| Syndrome, & Nephrosis | | | |
| Parkinson's Disease | 7.6 | 8.1 | N/A |

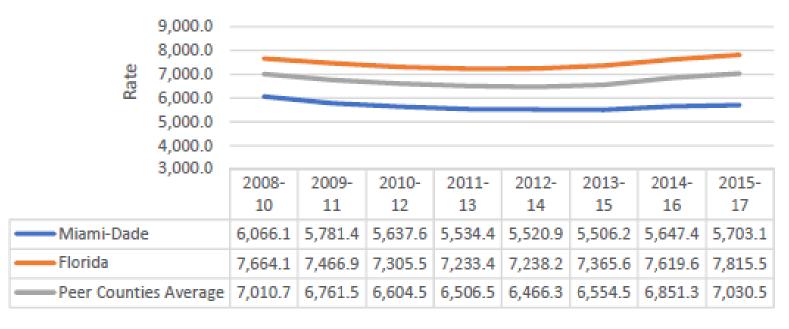
Top Leading Causes of Death, Mortality Rate per 100,000 Population by Age Group Miami-Dade County, 2017

| | <1 | 1-4 | 5-14 | 15-24 | 25-34 | 35-44 | 45-54 | 55-64 | 65-74 | 75+ | Total |
|----|---------------------------------------|------------------------------------|------------------------------------|---------------------------------------|---------------------------------------|---------------------------------------|--|---|--|---|---|
| 1 | Perinatal Conditions 82 (266.2) | Unintentional Injury 8 (6.2) | Unintentional Injury 7 (2.3) | Unintentional Injury 104 (31.2) | Unintentional Injury 153 (38.6) | Unintentional Injury 122 (32.0) | Cancer 287 (70.4) | Cancer 752 (227.2) | Cancer 1099 (466.9) | Heart Disease 3779 (1849.4) | Heart Disease 5397 (195.9) |
| 2 | Congenital Anomalies 39 (126.6) | Cancer 5 (3.9) | Cancer 7 (2.3) | Homicide 56 (16.8) | Homicide 66 (16.7) | Cancer 96 (25.2) | Heart Disease 211 (51.7) | Heart Disease 540 (163.1) | Heart Disease 755 (329.3) | Cancer 2137 (1045.8) | Cancer 4436 (161.0) |
| 3 | Unintentional Injury 11 (35.7) | Congenital Anomalies 3 (2.3) | Congenital Anomalies 6 (2.0) | Suicide 19 (5.7) | Cancer 41 (10.4) | Heart Disease 57 (14.9) | Unintentional Injury 131 (32.1) | Stroke 125 (37.8) | Diabetes 199 (84.6) | Stroke 1206 (590.2) | Stroke 1591 (57.8) |
| 4 | | | | Cancer 12 (3.6) | Suicide 34 (8.6) | Homicide 41 (10.7) | Stroke 51 (12.5) | Unintentional Injury 116 (35.0) | Stroke 189 (80.3) | Alzheimer's Disease 864 (422.8) | Chronic Lower Respiratory 1075 (39.0) |
| 5 | | | | | Heart Disease 29 (7.3) | Suicide 28 (7.3) | Diabetes 45 (11.0) | Diabetes 112 (33.8) | Chronic Lower Respiratory 180 (76.5) | Chronic Lower Respiratory 789 (386.1) | Unintentional Injury 917 (33.3) |
| 6 | | | | | HIV 12 (3.0) | HIV 27 (7.1) | Suicide 45 (11.0) | Chronic Lower Respiratory 76 (23.0) | Unintentional Injury 75 (31.9) | Diabetes 418 (204.6) | Alzheimer's Disease 908 (33.0) |
| 7 | | | | | | Stroke 11 (2.9) | HIV 38 (9.3) | Chronic Liver Disease 66 (19.9) | Chronic Liver Disease 57 (24.2) | Influenza & Pneumonia 232 (113.5) | Diabetes 791 (28.7) |
| 8 | | | | | | Chronic Liver Disease 11 (2.9) | Chronic Liver Disease 36 (8.8) | HIV 60 (18.1) | Influenza & Pneumonia 56 (23.8) | Parkinson's disease 228 (111.6) | Influenza & Pneumonia 330 (12.0) |
| 9 | | | | | | Diabetes 11 (2.9) | Chronic Lower Respiratory 23 (5.6) | Kidney Disease 47 (14.2) | Other Respiratory Dis 52 (22.1) | Kidney Disease 205 (100.3) | Kidney Disease 324 (11.8) |
| 10 | | | | | | | Homicide 15 (3.7) | Suicide 43 (13.0) | Kidney Disease 52 (22.1) | Unintentional Injury 190 (93.0) | Parkinson's disease 237 (9.9) |

Years of Potential Life Lost

Years of Potential Life Lost Rate before Age 75 - Miami-Dade County, Florida, and Peer Counties, 2008-2017

3-Year Rolling Rate per 100,000 Population

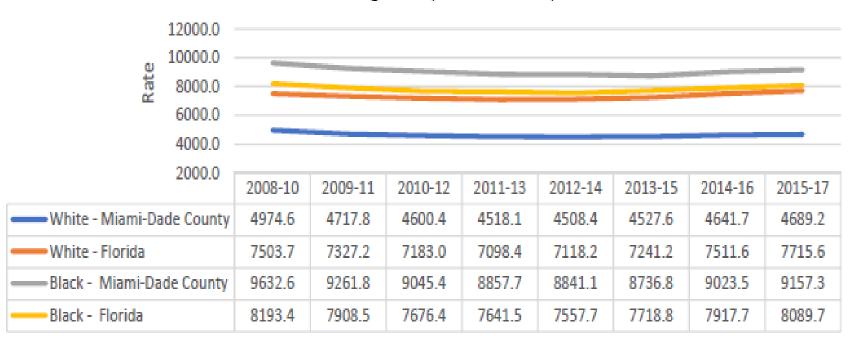


Note: Select peer counties include Broward, Hillsborough, Orange, and Palm Beach.

Years of Potential Life Lost by Race

Years of Potential Life Lost before Age 75 by Race - Miami-Dade and Florida, 2008-2017

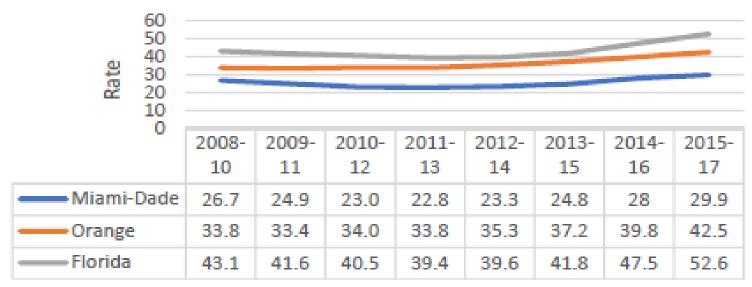
3-Year Rolling Rater per 100,000 Population



Injury-Unintentional Injury

Unintentional Injury Age-Adjusted Death Rates -Miami-Dade County, Orange, and Florida, 2008-2017

3-Year Rolling Rate per 100,000 Population

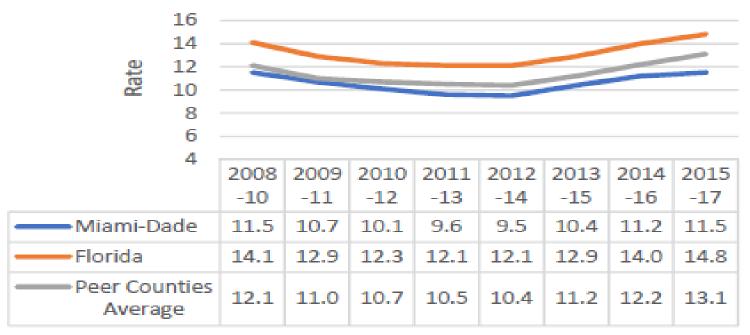


Note: Orange County was selected to compare to Miami-Dade County because it had the best performance of all peer counties. Not all peer counties include the same injuries to be included in the rate.

Injury-Motor Vehicle Crashes

Motor Vehicle Crash Age-Adjusted Death Rates -Miami-Dade County, Florida, and Peer Counties, 2008-2017

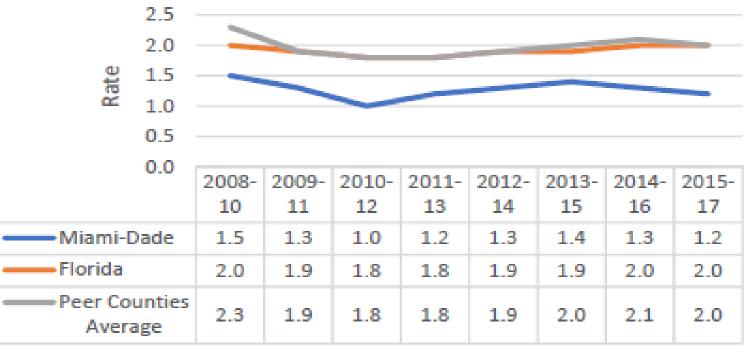
3-Year Rolling Rate per 100,000 Population



Note: Select peer counties include Broward, Hillsborough, Orange, and Palm Beach.

Injury-Unintentional Drowning

Unintentional Drowning Age-Adjusted Death Rates - Miami-Dade County, Florida, and Peer Counties, 2008-2017 3-Year Rolling Rate per 100,000 Population



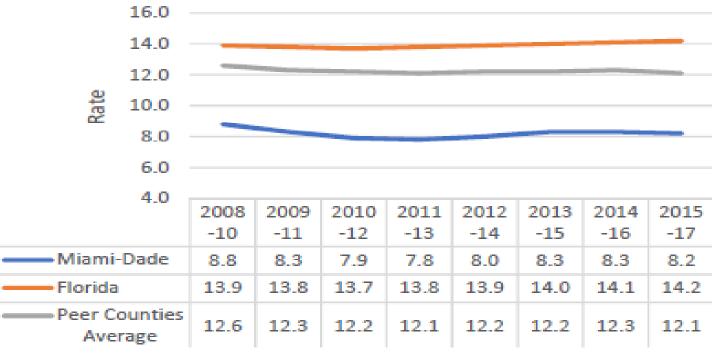
Note: Select peer counties include Broward, Hillsborough, Orange, and Palm Beach.

Source: Florida Health Community Health Assessment Resource Tool Set (FLCHARTS) http://www.flhealthcharts.com

Mental Health-Suicide

Suicide Age-Adjusted Death Rates - Miami-Dade County, Florida, and Peer Counties, 2008-2017

3-Year Rolling Rate per 100,000 Population



Note: Select peer counties include Broward, Hillsborough, Orange, and Palm Beach.

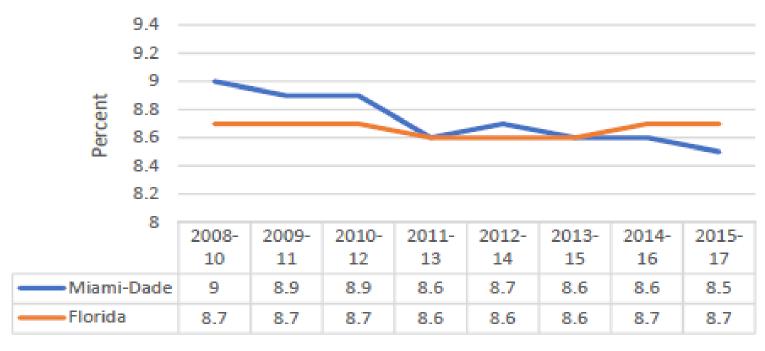
Source: Florida Health Community Health Assessment Resource

Tool Set (FLCHARTS) http://www.flhealthcharts.com

11

Maternal & Child Health Low Birth Weight

Percent of Babies Born at a Low Birth Weight (<2500 grams) Miami-Dade County and Florida
3-Year Rolling Rates



Maternal & Child Health Low Birth Weight by Race

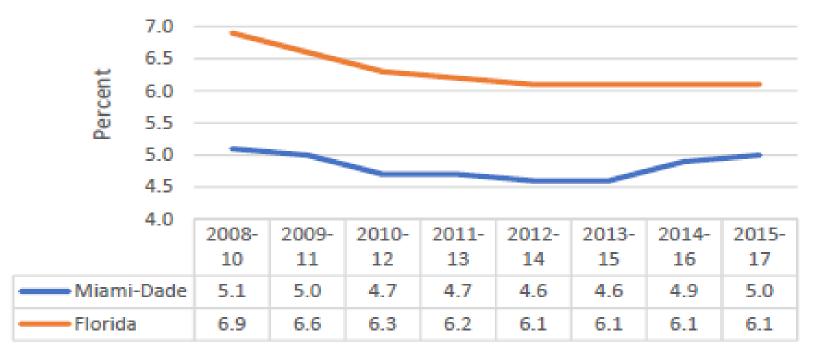
Percent of Low Birth Weight (<2500 grams) Babies Born to Teen Mothers (15 to 19) by Race

| Race and Geography | 2009-11 | 2010-12 | 2011-13 | 2012-14 | 2013-15 | 2014-16 | 2015-17 |
|-------------------------------|---------|---------|---------|---------|---------|---------|---------|
| White – Miami-Dade County, FL | 9.0 | 8.9 | 8.2 | 8.2 | 8.1 | 8.5 | 8.6 |
| White - Florida | 8.1 | 8.2 | 8.0 | 8.0 | 8.0 | 8.4 | 8.8 |
| Black – Miami-Dade County, FL | 15.2 | 14.3 | 13.1 | 13.8 | 14.2 | 16.2 | 15.9 |
| Black – Florida | 14.6 | 14.2 | 13.5 | 13.4 | 13.4 | 14.4 | 15.1 |

Maternal & Child Health Infant Mortality

Infant Mortality Rate - Miami-Dade County and Florida, 2008-2017

3-Year Rolling Rate per 1,000 Live Births



Maternal & Child Health Infant Mortality by Race & Ethnicity

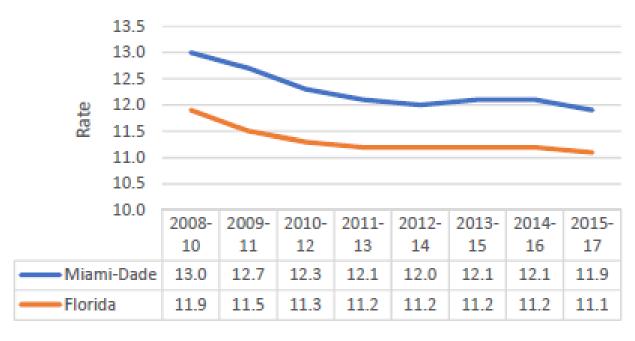
Infant Mortality Rates by Race 2009-2017

| Miami-Dade County, Florida | 2009-11 | 2010-12 | 2011-13 | 2012-14 | 2013-15 | 2014-16 | 2015-17 |
|----------------------------|---------|---------|---------|---------|---------|---------|---------|
| White | 3.4 | 3.1 | 3.0 | 3.1 | 3.2 | 3.3 | 3.3 |
| Black | 9.5 | 9.2 | 9.4 | 9.2 | 8.8 | 10.1 | 11.1 |
| Hispanic | 3.6 | 3.2 | 3.1 | 3.2 | 3.4 | 3.6 | 3.8 |
| Non-Hispanic | 6.8 | 6.7 | 7.2 | 6.9 | 6.4 | 6.8 | 6.9 |

Maternal & Child Health Live Births

Total Resident Live Births - Miami-Dade County and Florida, 2008-2017

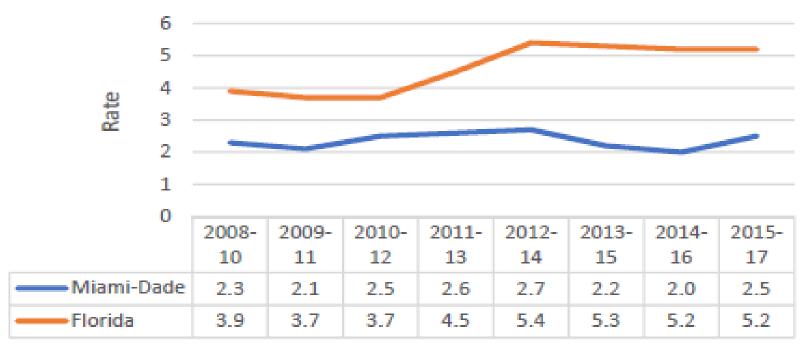
3-Year Rolling Rates



Source: Florida Health Community Health Assessment Resource Tool Set (FLCHARTS)

Vaccine Preventable Diseases

Selected Vaccine Preventable Disease Rate for All Ages -Miami-Dade County and Florida, 2008-2017 3-Year Rolling Rate per 100,000 Population



Sexually Transmitted Diseases/Human Immunodeficiency Virus

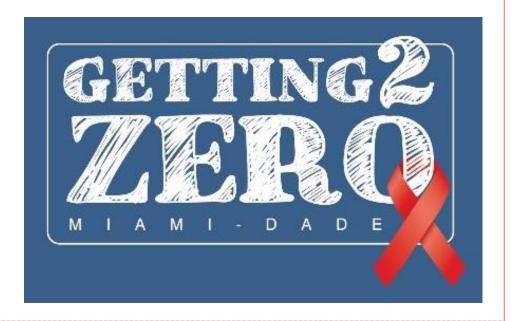


Florida Department of Health
Senior Human Services Program Manager

STD/HIV Overview

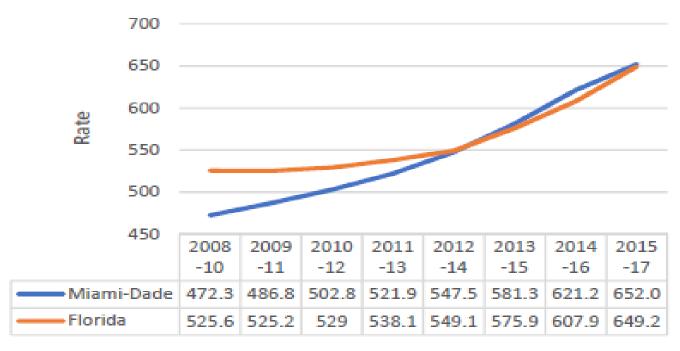
This section includes:

- ✓ Sexually Transmitted Disease Rates
- ✓ HIV/AIDS Rates
- ✓ Sexual Activity



Sexually Transmitted Diseases

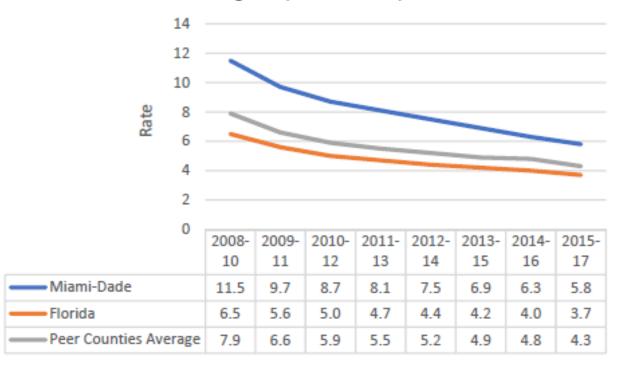
Bacteria STD Rates - Miami-Dade County and Florida, 2008-2017 3-Year Rolling Rate per 100,000 Population



HIV/AIDS

HIV/AIDS Age-Adjusted Death Rates - Miami-Dade County, Florida, and Peer Counties, 2008-2017

3-Year Rolling Rate per 100,000 Population



Note: Peer Counties include Broward, Hillsborough, Orange, and Palm Beach.

HIV/AIDS by Sex and Race

Age-Adjusted HIV/AIDS Death Rate by Sex and Race in Miami-Dade County, FL, 2011-2017 (3-Year Rolling Rate per 100,000 Population)

| | 2011-13 | | 2012 | 2012-14 | | 2013-15 | | 2014-16 | | 2015-17 | |
|---------|---------|------|-------|---------|-------|---------|-------|---------|-------|---------|--|
| | Count | Rate | Count | Rate | Count | Rate | Count | Rate | Count | Rate | |
| Overall | 675 | 8.1 | 640 | 7.5 | 609 | 6.9 | 567 | 6.3 | 538 | 5.8 | |
| Gender | | | | | | | | | | | |
| Female | 238 | 5.7 | 222 | 5.1 | 199 | 4.5 | 192 | 4.2 | 191 | 4.1 | |
| Male | 437 | 10.8 | 418 | 10.1 | 410 | 9.7 | 375 | 8.7 | 347 | 7.9 | |
| Race | | | | | | | | | | | |
| White | 214 | 3.2 | 198 | 2.9 | 198 | 2.8 | 191 | 2.6 | 183 | 2.5 | |
| Black | 448 | 30.3 | 428 | 28.4 | 394 | 25.7 | 367 | 23.8 | 348 | 22.2 | |

Sexual Activity-Teen Births

Birth Rate for Mothers 15 to 19 Years of Age - Miami-Dade County, Florida, and Peer Counties, 2008-2017

3-Year Rolling Rate per 1,000 Population



Note: Peer Counties include Broward, Hillsborough, Orange, and Palm Beach.

Sexual Activity-Teen Births by Race

Teen Birth Rate by Race, 2009-2017

(3-Year Rolling Rate per 1,000 Mothers 15 Years of Age to 19 Years of Age)

| Race and Geography | 2009- 2011 | 2010- 12 | 2011- 13 | 2012- 14 | 2013- 15 | 2014- 16 | 2015- 17 |
|------------------------|---------------|-------------|-------------|-------------|-------------|-------------|-------------|
| White – Miami- Dade | 21.3 | 18.2 | 16.3 | 14.8 | 13.9 | 13.3 | 12.9 |
| White - Florida | 28.3 | 25.6 | 23.5 | 22.0 | 20.3 | 19.1 | 17.8 |
| Black – Miami- Dade | 48.0 | 43.0 | 38.7 | 34.4 | 30.3 | 26.4 | 23.8 |
| Black – Florida | 50.8 | 45.0 | 40.6 | 36.5 | 32.5 | 29.4 | 27.2 |

Chronic Disease



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Operations and Management Consultant II-SES

Chronic Disease Overview

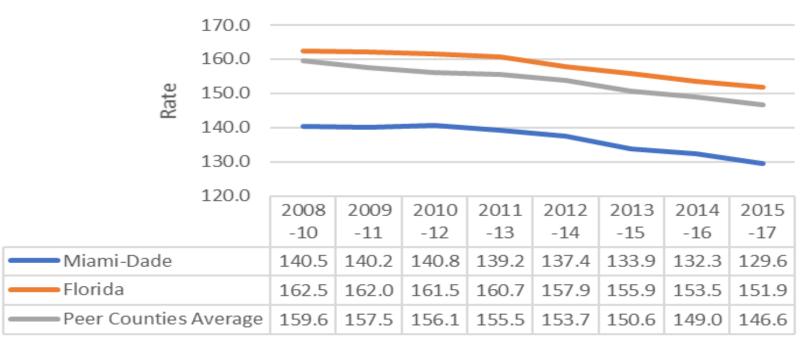
- This section includes:
- ✓ Cancer
- ✓ Breast Cancer
- ✓ Lung Cancer
- ✓ Prostate Cancer
- ✓ Alzheimer's Disease
- ✓ Diabetes
- ✓ Heart Disease
- ✓ Stroke



Cancer Rates

Cancer Age-Adjusted Death Rates - Miami-Dade County, Florida, and Peer Counties, 2008-2017

3-Year Rolling Rate per 100,000 Population



Cancer Rates by Race

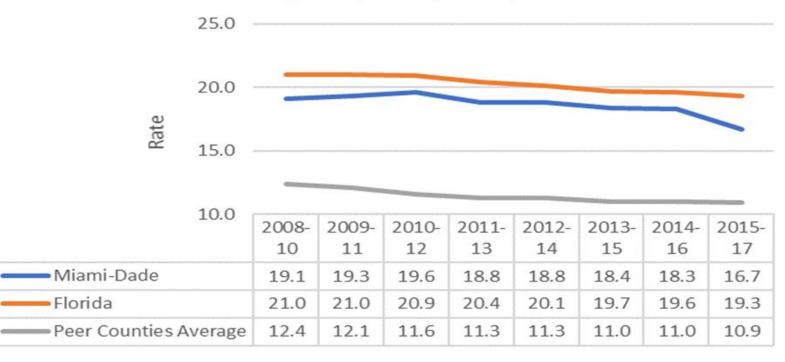
Cancer Age-Adjusted Death Rate by Race - Miami-Dade County and Florida, 2008-2017

3-Year Rolling Rate per 100,000 population



Breast Cancer Rates

Female Breast Cancer Age-Adjusted Death Rates - Miami-Dade County, Florida, and Peer Counties, 2008-2017 3-Year Rolling Rate per 100,000 Population



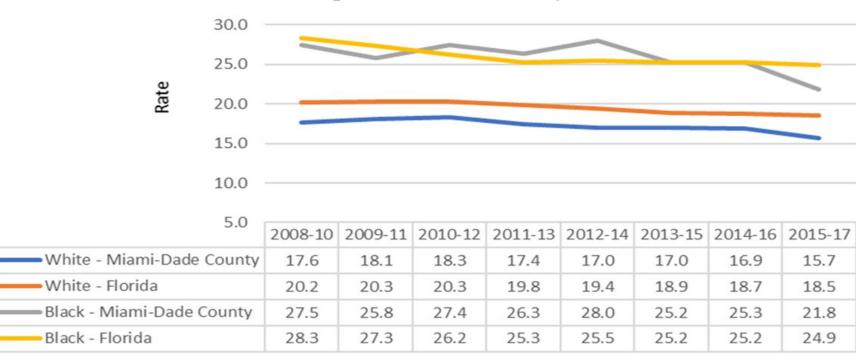
Note: Peer Counties include Broward, Hillsborough, Orange, and Palm Beach.

Source: Florida Health Community Health Assessment Resource Tool Set (FLCHARTS) http://www.flhealthcharts.com

Breast Cancer Rates by Race

Female Breast Cancer Age-Adjusted Death Rate by Race - Miami-Dade County and Florida, 2008-2017

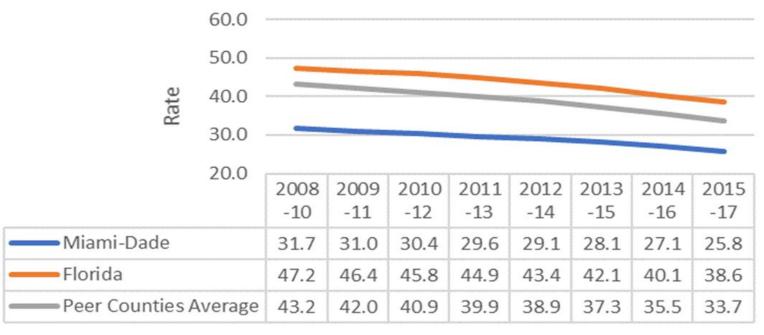
3-Year Rolling Rate Per 100,000 Population



Lung Cancer Rates

Lung Cancer Age-Adjusted Death Rates - Miami-Dade County, Florida, and Peer Counties, 2008-2017

3-Year Rolling Rate per 100,000 Population

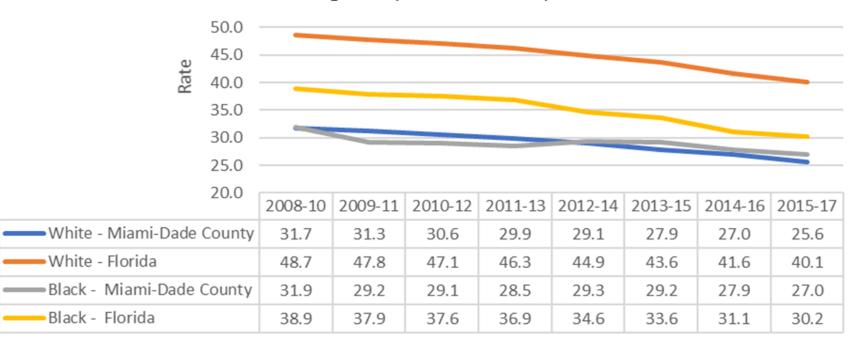


Note: Peer Counties include Broward, Hillsborough, Orange, and Palm Beach.

Lung Cancer Rates by Race

Lung Cancer Age-Adjusted Death Rate by Race - Miami-Dade County and Florida, 2008-2017

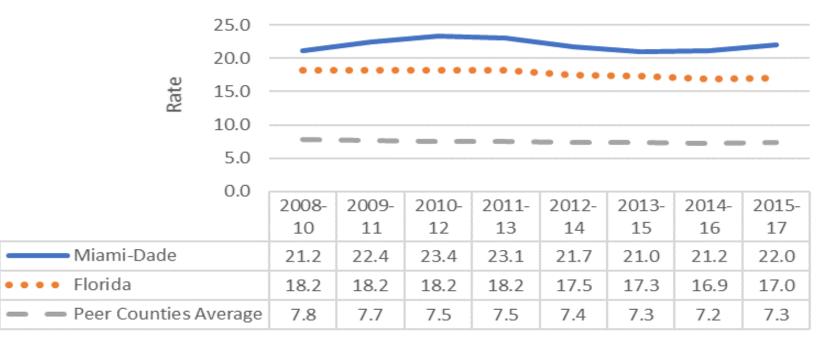
3-Year Rolling Rate per 100,000 Population



Prostate Cancer

Prostate Cancer Age-Adjusted Death Rates - Miami-Dade County, Florida, and Peer Counties, 2008-2017

3-Year Rolling Rate per 100,000 Population



Note: Peer Counties include Broward, Hillsborough, Orange, and Palm Beach.

Prostate Cancer by Race

Prostate Cancer Age-Adjusted Death Rate by Race - Miami-Dade County and Florida, 2008-2017

3-Year Rolling Rate per 100,000 Population



Alzheimer's Disease

Alzheimer's Disease Age-Adjusted Death Rates - Miami-Dade County, Florida, and Peer Counties, 2008-2017 3-Year Rolling Rate per 100,000 Population

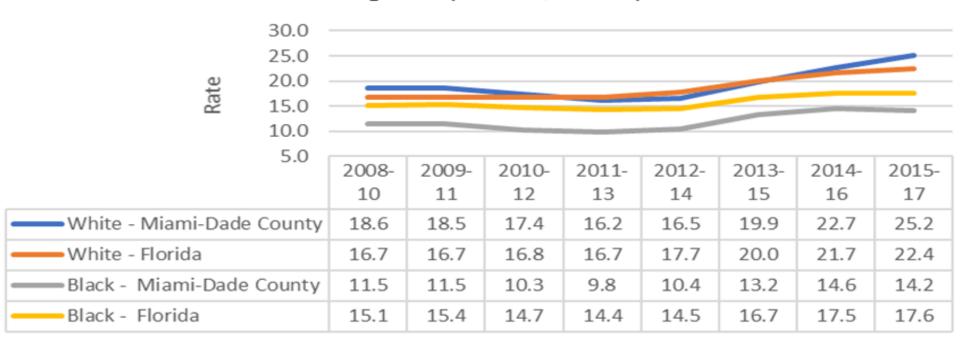


Note: Peer Counties include Broward, Hillsborough, Orange, and Palm Beach.

Alzheimer's Disease by Race

Alzheimer's Disease Age-Adjusted Death Rate by Race -Miami-Dade County and Florida, 2008-2017

3-Year Rolling Rate per 100,000 Population



Diabetes

Diabetes Age-Adjusted Death Rates - Miami-Dade County, Florida, and Peer Counties, 2008-2017

3-Year Rolling Rate per 100,000 Population

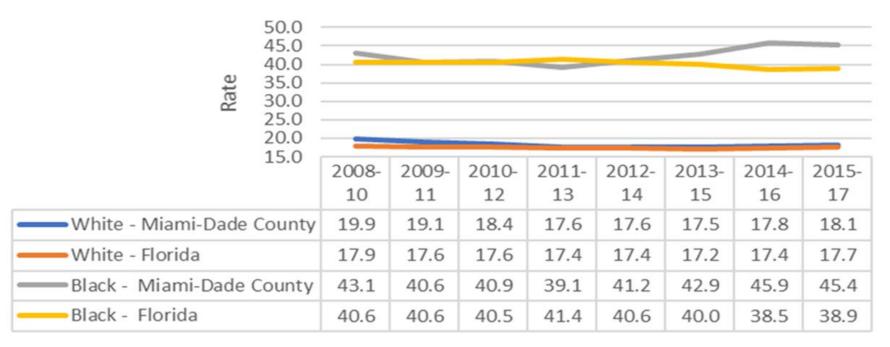


Note: Peer Counties include Broward, Hillsborough, Orange, and Palm Beach.

Diabetes by Race

Diabetes Age-Adjusted Death Rate by Race - Miami-Dade County and Florida, 2008-2017

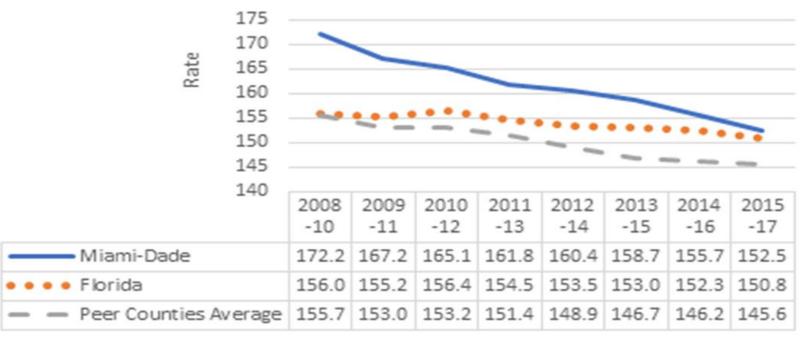
3-Year Rolling Rate Per 100,000 Population



Heart Disease

Heart Disease Age-Adjusted Death Rates - Miami-Dade County, Florida, and Peer Counties, 2008-2017

3-Year Rolling Rate per 100,000 Population

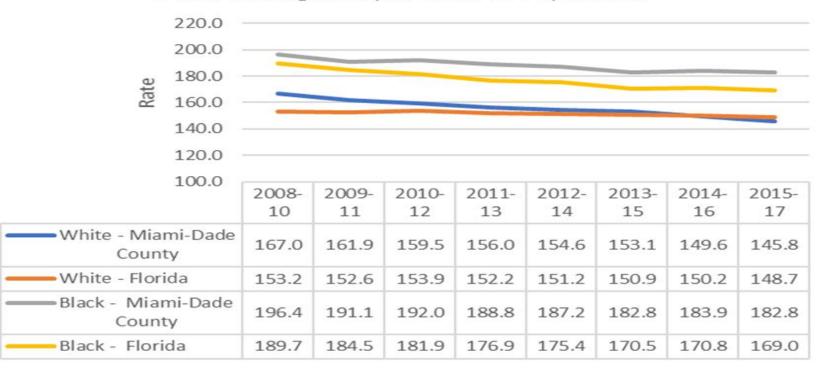


Note: Peer Counties include Broward, Hillsborough, Orange, and Palm Beach.

Heart Disease by Race

Heart Disease Age-Adjusted Death Rate by Race, 2008-2017

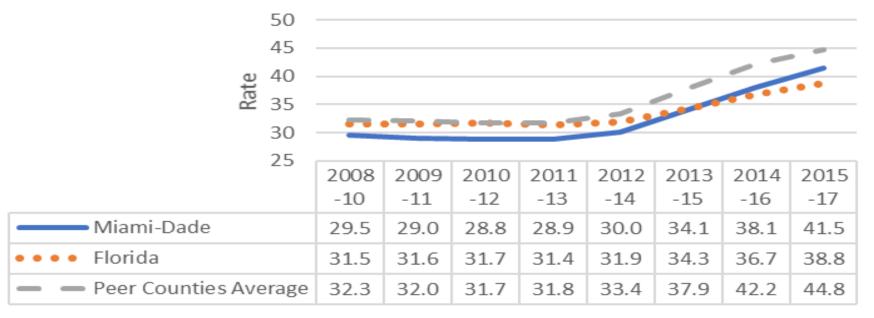
3-Year Rolling Rate per 100,000 Population



Stroke

Stroke Age-Adjusted Death Rates - Miami-Dade County, Florida and, Peer Counties

3-Year Rolling Rate per 100,000 Population



Note: Peer Counties include Broward, Hillsborough, Orange, and Palm Beach.

Stroke by Race

Stroke Age-Adjusted Death Rate by Race, 2008-2017

3-Year Rolling Rate per 100,000 Population



The Physical Environment



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Physical Environment Overview

• This section includes:

- ✓ The Built Environment
- ✓ The Physical Environment
- ✓ Housing
- ✓ Transportation



Built Environment

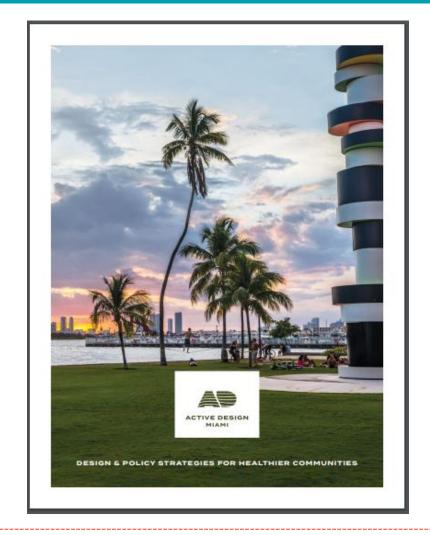
- All physical parts of the community (homes, buildings, streets, open spaces and infrastructure)
- The built environment has an impact on health outcomes
- Miami-Dade County was ranked 50 out of 67 for their physical environment in 2019



Built Environment-Active Design

Active Design: A set of building and planning principles that promote physical activity.

Ten municipalities and unincorporated Miami-Dade adopted Active Design Guidelines that support over 600,000 residents



Miami-Dade Parks, Recreation and Open Spaces

Miami-Dade Parks, Recreation, and Open Spaces (MDPROS) has:

- > 270 parks
- ➤ 130 miles of bike/walking trails



Physical Environment in Miami-Dade County

Percent of Population Receiving Optimally Fluoridated Water, 2010-2017

Single Year Rate



Note: Peer Counties include Broward, Hillsborough, Orange, and Palm Beach.

Source: Florida Health Community Health Assessment Resource Tool Set (FLCHARTS)

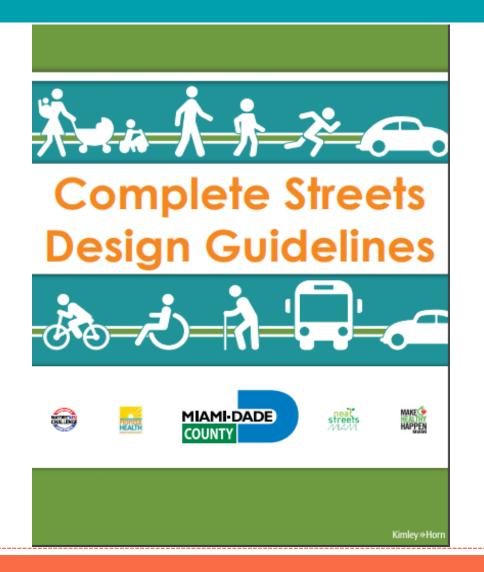
http://www.flhealthcharts.com

Physical Environment-Housing

| Characteristic | Miami-Dade County | Florida | United States |
|-------------------------------|-------------------|-----------|---------------|
| Vacant Housing Units | 14.90% | 18.90% | 12.20% |
| Homeownership rates | 52.20% | 64.80% | 63.80% |
| Median Value | \$242,800 | \$178,700 | \$193,500 |
| Housing Units with a mortgage | 63% | 57.90% | 63.50% |



Transportation



- Complete Streets: A transportation policy and design approach that requires streets to be planned, designed, operated and maintained to enable safety.
- Complete Streets was also adopted by Miami-Dade County.

Transportation Continued

Travel Time to Work-Single-Year Estimates in Minutes, 2017

| Geography | Average |
|-----------------------|---------|
| Miami-Dade County, FL | 31.3 |
| Florida | 27 |
| United States | 26.4 |

Source: Data for 2017 estimates accessed via United States Census Bureau https://factfinder.census.gov/.

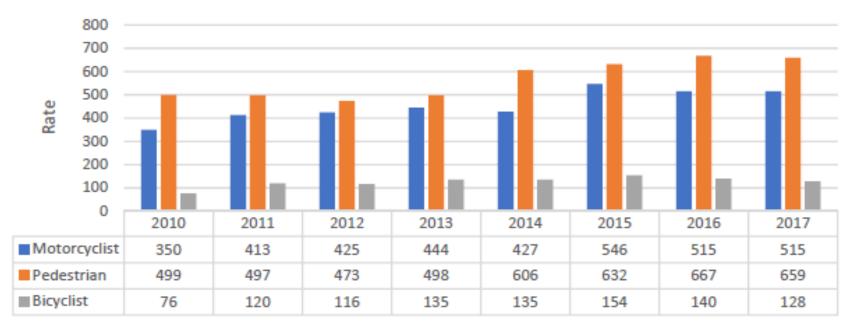
Transportation-Motor Vehicle Crashes

Traffic Fatalities by Type, Miami-Dade County, 2010-2017

(Rate per 100,000 Population)

Multiple collisions have happened on major highways and roads in Miami-Dade County:

- ➤ Interstate 95
- > Turnpike
- ➤ US-1
- Palmetto 826



Source: Data for 2010-2017 accessed via Florida Department of Transportation for Miami-Dade County, FL https://www.fdot.gov/





Questions