

Department of Health

Epidemiology of HIV in Miami-Dade County, 2019



Florida Department of Health
HIV/AIDS Section
Data as of 6/30/2020

Acronyms

- ⦿ **HIV:** Human Immunodeficiency Virus
- ⦿ **AIDS:** Acquired Immune Deficiency Syndrome
- ⦿ **PWID:** Person with injection drug use
- ⦿ **MSM:** Men who have sex with men
- ⦿ **PrEP:** Pre-Exposure Prophylaxis (HIV)
- ⦿ **PWH:** Persons with HIV
- ⦿ **CDC:** Centers for Disease Control and Prevention

Technical Notes

- ⚡ Unless otherwise noted, all data in this presentation are as of 06/30/2020.
- ⚡ Each year, the HIV data for the previous calendar year and all previous years are finalized and frozen for reporting purposes on June 30. The frozen data are used in all data reports until the following June 30, when the continuously deduplicated HIV/AIDS data set will be finalized and frozen again.
- ⚡ Unless otherwise noted, population-related data are provided by FLHealthCHARTS as of 06/30/2020.



Technical Notes, Continued

- 🦏 HIV-related deaths represent persons with an HIV diagnosis in the HIV/AIDS Reporting System (eHARS), who resided in Florida at death and whose underlying cause of death was HIV, regardless of whether their HIV status was reported in Florida.
- 🦏 Sexually transmitted infection (STI) data are provided by the Sexually Transmitted Disease (STD) and Viral Hepatitis Section as of 06/10/2020.
- 🦏 Tuberculosis (TB) data are provided by the TB Section as of 06/09/2020.
- 🦏 Hepatitis B (HBV) and Hepatitis C (HCV) data, which include both acute and chronic cases reported in MERLIN are provided by the Epidemiology Section as of 06/30/2020.



Technical Notes, Continued

- 🦏 HIV diagnoses by year represent persons whose HIV was diagnosed in that year, regardless of AIDS status at time of diagnosis.
- 🦏 AIDS and HIV diagnoses by year are not mutually exclusive and cannot be added together.
- 🦏 HIV prevalence data represent persons with HIV (PWH) living in Florida through the end of the calendar year (regardless of where they were diagnosed).
- 🦏 Diagnosis data by year, area and county data exclude Florida Department of Corrections (FDOC) diagnoses. For prevalence data, area and county data include FDOC data.

Technical Notes, Continued

- ⚡ Adult diagnoses represent people ages 13 and older; pediatric diagnoses represent people under the age of 13.
 - ⚡ For data by year of diagnosis, the age is by age at diagnosis.
 - ⚡ For prevalence data, the age is by current age at the end of the most recent calendar year, regardless of age at diagnosis.

- ⚡ Unless noted, Whites are non-Hispanic/Latinx, Blacks are non-Hispanic/Latinx and other (which may be omitted in some graphs due to small numbers) represents American Indian/Alaskan Native, Asian/Pacific Islanders or multi-racial.

- ⚡ Transgender people include:
 - ⚡ Transgender Women (assigned male at birth).
 - ⚡ Transgender Men (assigned female at birth).



Definitions of Mode of Exposure Categories

- ⚡ **MMSC:** Male-to-male sexual contact; these data exclude transgender persons who were assigned male at birth.
- ⚡ **IDU:** Injection drug use.
- ⚡ **MMSC/IDU:** Male-to-male sexual contact and injection drug use; these data exclude transgender persons who were assigned male at birth.
- ⚡ **Transgender Sexual Contact:** Transgender men or women whose mode of exposure was sexual contact.

Definitions of Mode of Exposure Categories, Continued

- ⚡ **Heterosexual:** Heterosexual contact with person(s) who received an HIV diagnosis or had a known HIV risk; these data exclude transgender persons.
- ⚡ **Other Risk:** Includes recipients of clotting factor for hemophilia or other coagulation disorders; or recipients of HIV-infected blood or blood components other than clotting factor or of HIV-infected tissue; perinatal and other pediatric risks and other confirmed risks.

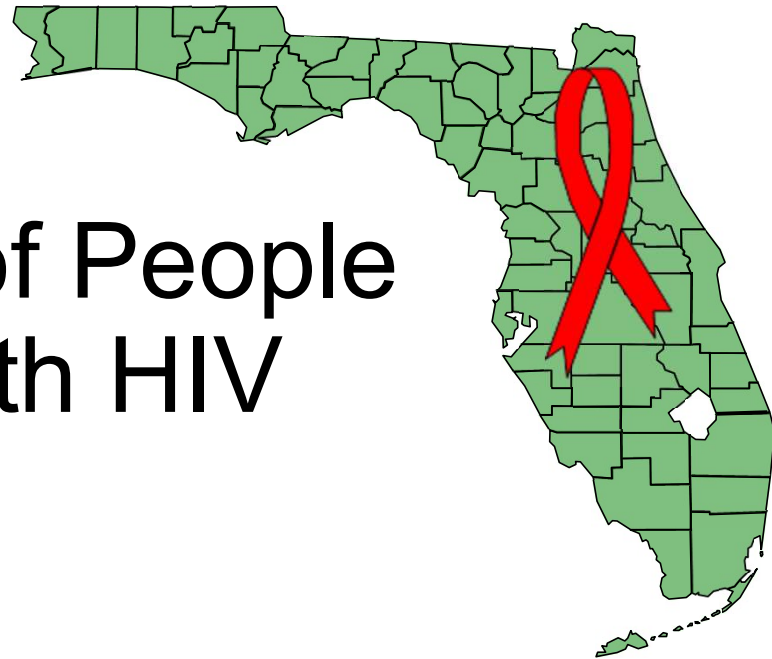
Florida's 4-Key Component Plan to Eliminate HIV Transmission and Reduce HIV-related Deaths

- 🧣 Implement routine HIV and sexually transmitted infection (STI) screening in health care settings and priority testing in non-health care settings.
- 🧣 Provide rapid access to treatment and ensure retention in care (Test and Treat).
- 🧣 Improve and promote access to antiretroviral pre-exposure prophylaxis (PrEP) and non-occupational post-exposure prophylaxis (nPEP).
- 🧣 Increase HIV awareness and community response through outreach, engagement and messaging.



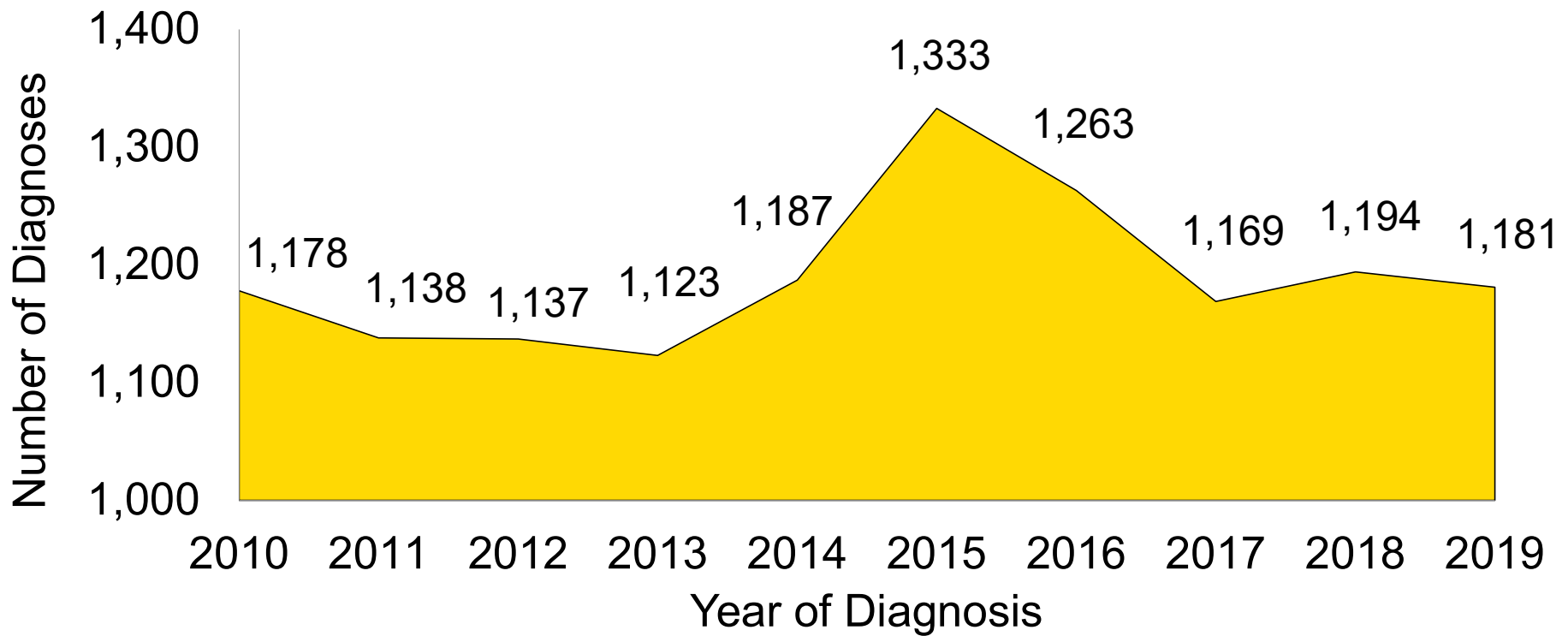
| | 2018 | 2019 | Percent Change |
|---|-------------|-------------|-----------------------|
| Total Population and Persons with an HIV Diagnosis (PWH) Living in Miami-Dade County | | | |
| Population | 2,804,160 | 2,830,500 | 0.9% |
| PWH | 27,238 | 27,319 | 0.3% |
| Strategic Long-Term Goals | | | |
| Reduce the annual HIV diagnosis rate per 100,000 | 42.6 | 41.7 | -2.1% |
| Increase the percentage of persons diagnosed with HIV linked to care in 30 days | 83.9% | 84.8% | 0.9% |
| Increase the percentage of PWH retained in care | 67.4% | 66.7% | -0.7% |
| Increase the percentage of PWH with a suppressed viral load | 62.6% | 62.1% | -0.5% |
| Reduce the annual number of babies born in Florida with perinatally acquired HIV to fewer than 5 | 0 | 0 | N/A |
| Additional Indicators | | | |
| Reduce annual AIDS diagnosis rate per 100,000 | 14.3 | 13.4 | -6.3% |
| Reduce the annual number of HIV-related deaths | 4.5 | 4.4 | -2.2% |

Demographics of People Diagnosed with HIV



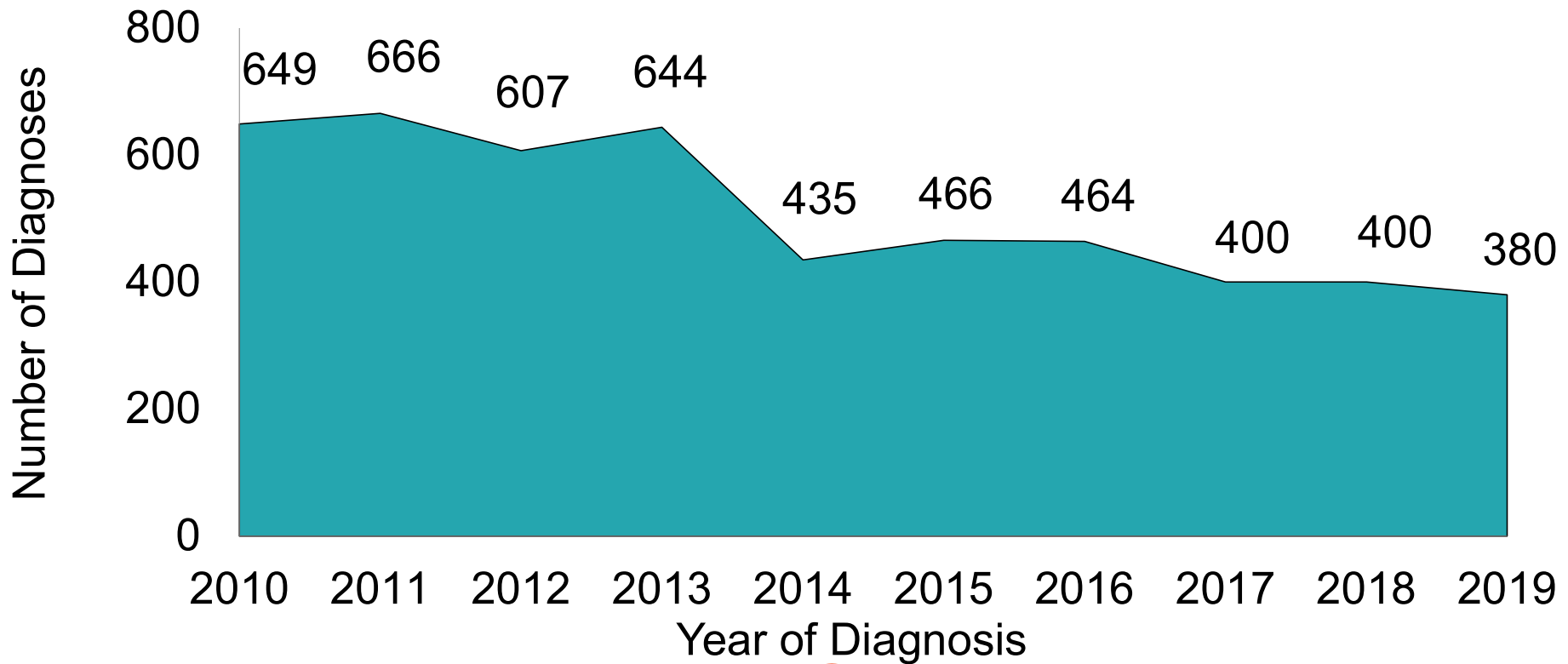
Diagnoses of HIV, 2010–2019, Miami-Dade County

2018–2019 = -1% change; 2015–2019 = -11% change

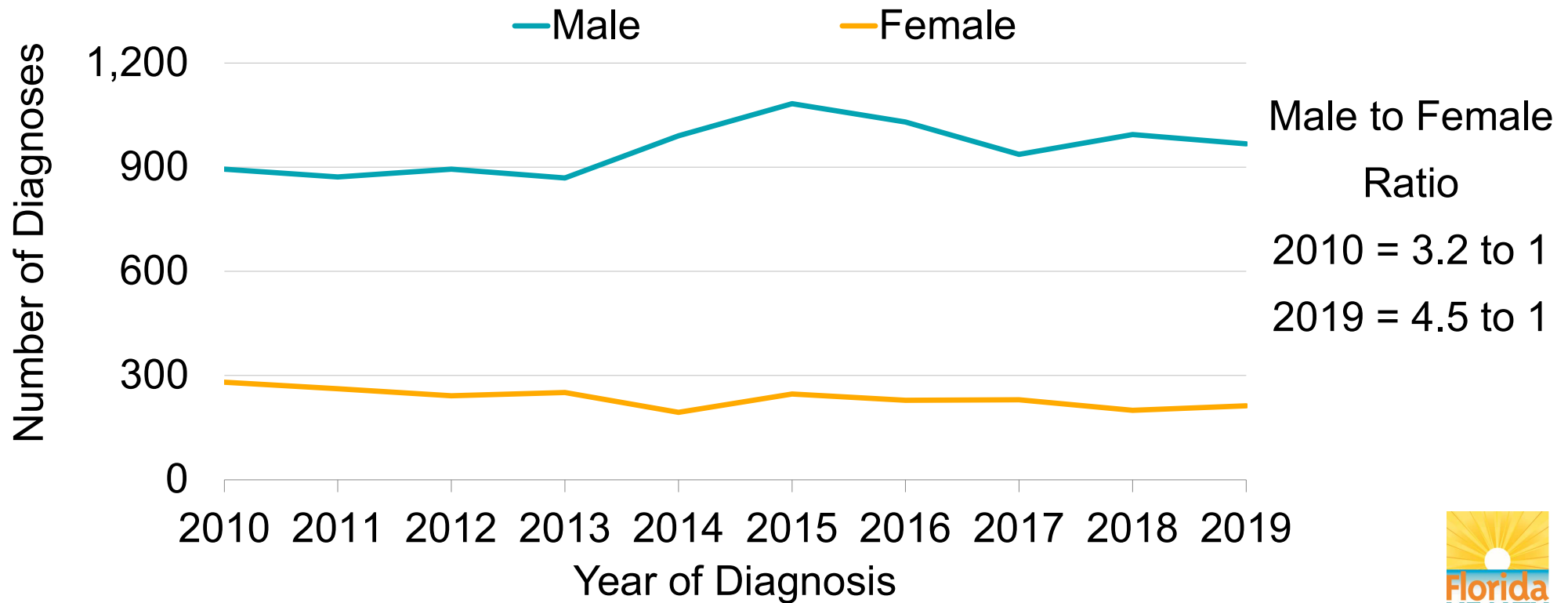


Diagnoses of AIDS, 2010–2019, Miami-Dade County

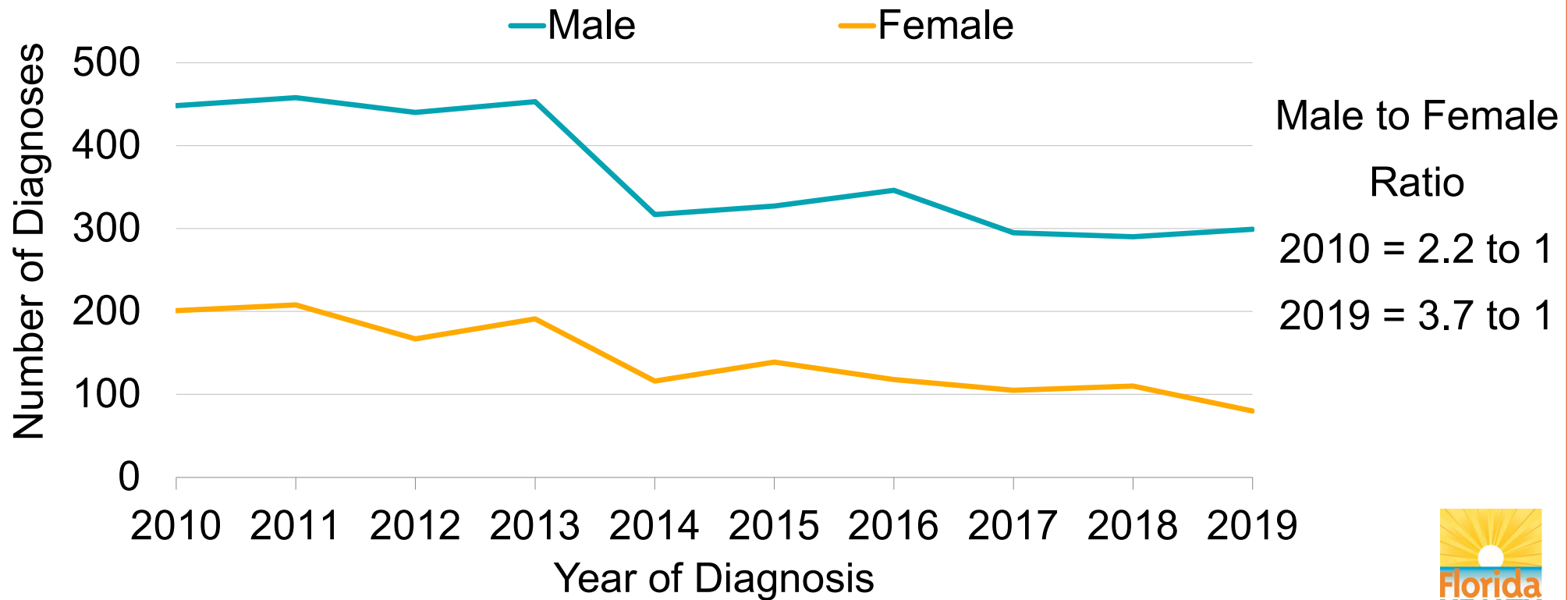
2018–2019 = -5% change, % 2015–2019 = -19% change



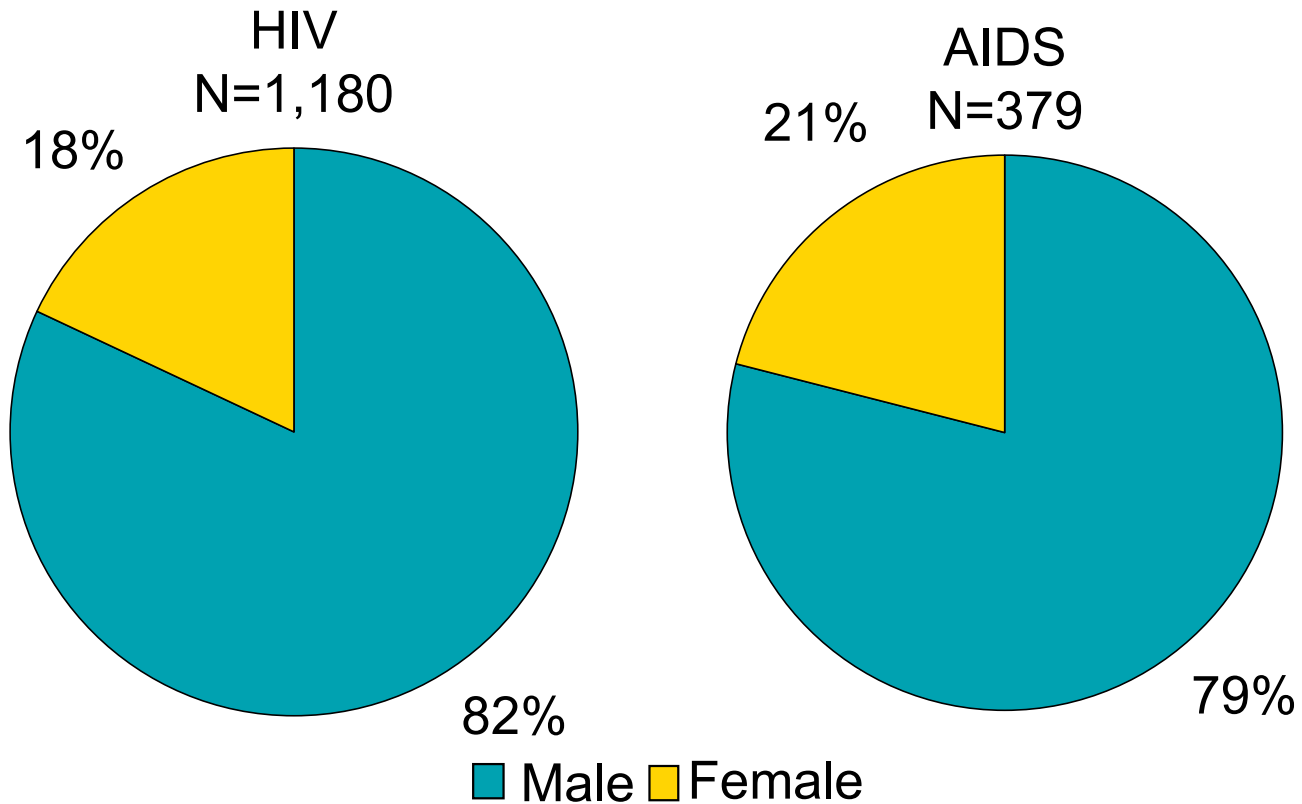
Adult HIV Diagnoses, by Sex at Birth, 2010–2019, Miami-Dade County



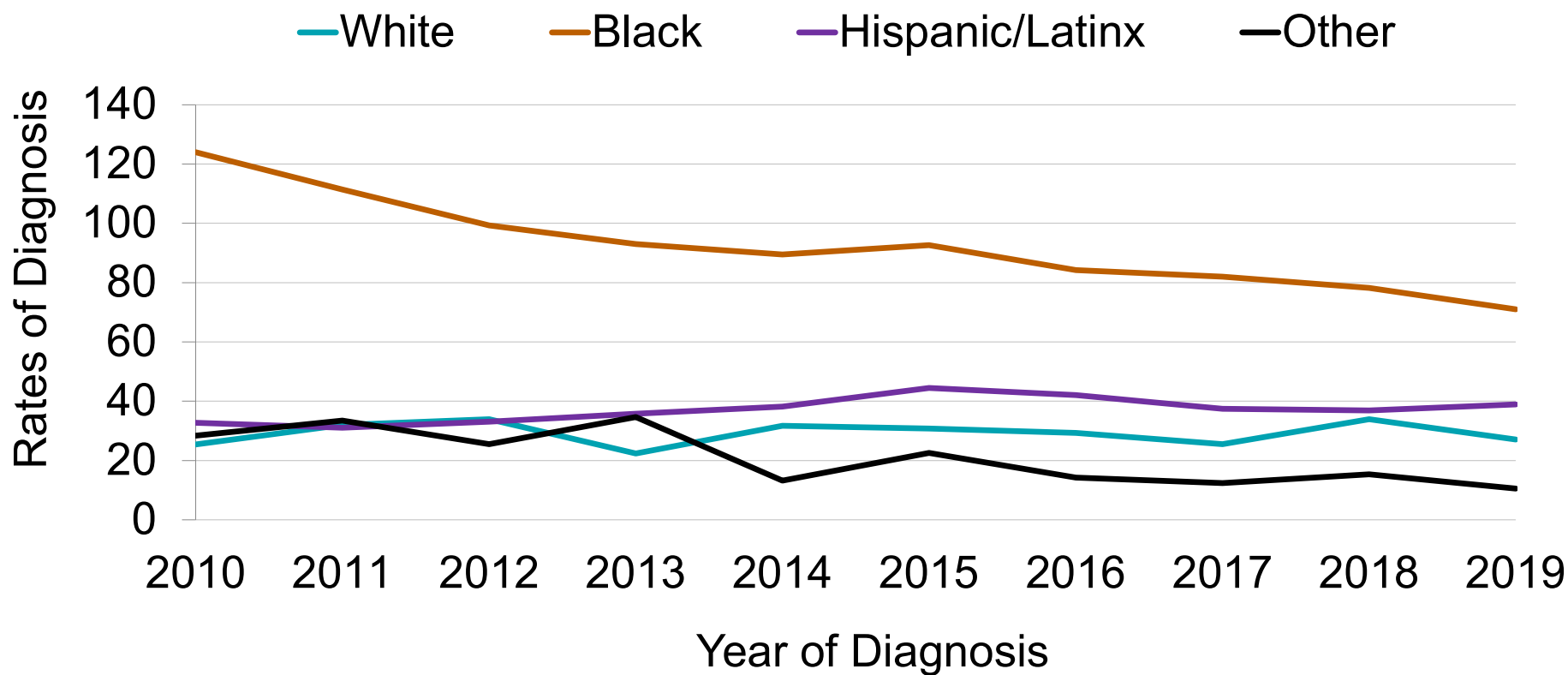
Adult AIDS Diagnoses, by Sex at Birth, 2010–2019, Miami-Dade County



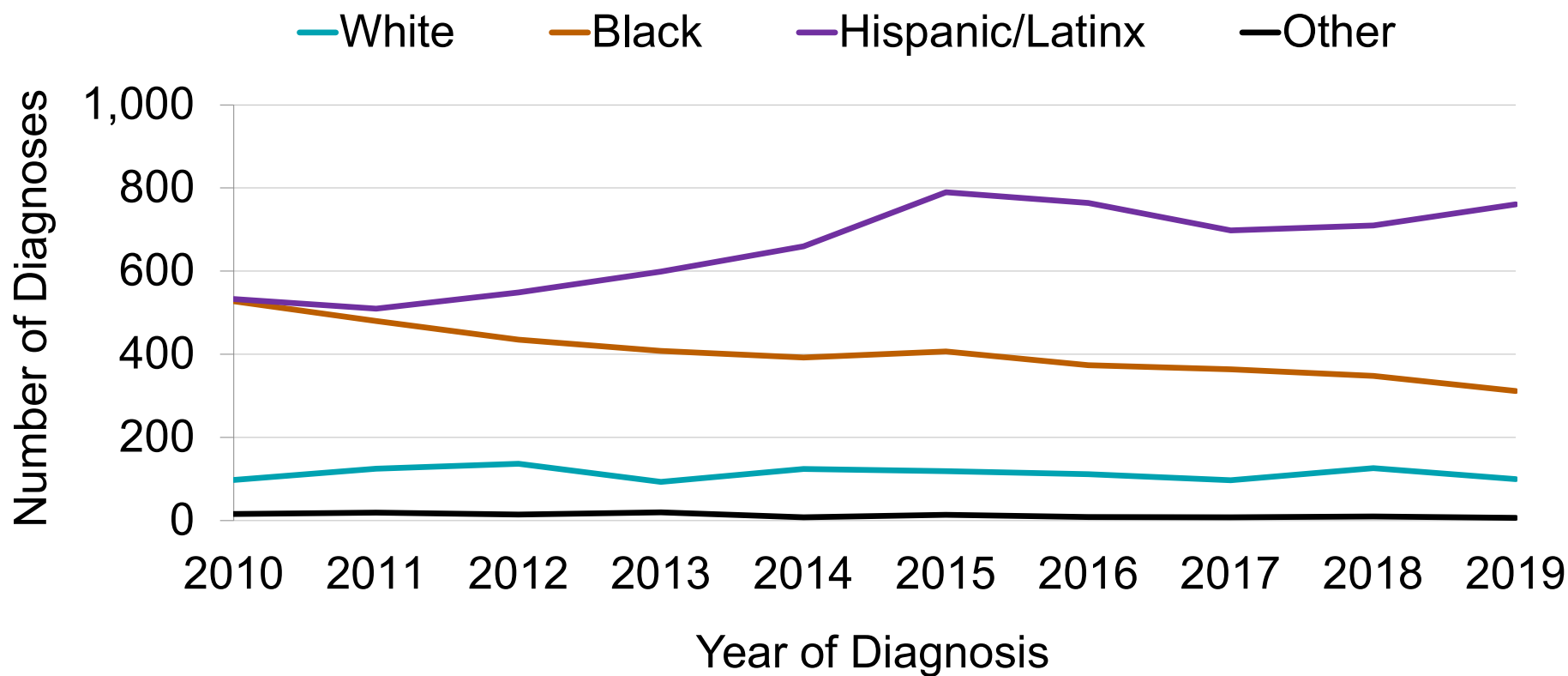
Adult HIV and AIDS Cases by Sex at Birth, Diagnosed in 2019, Miami-Dade County



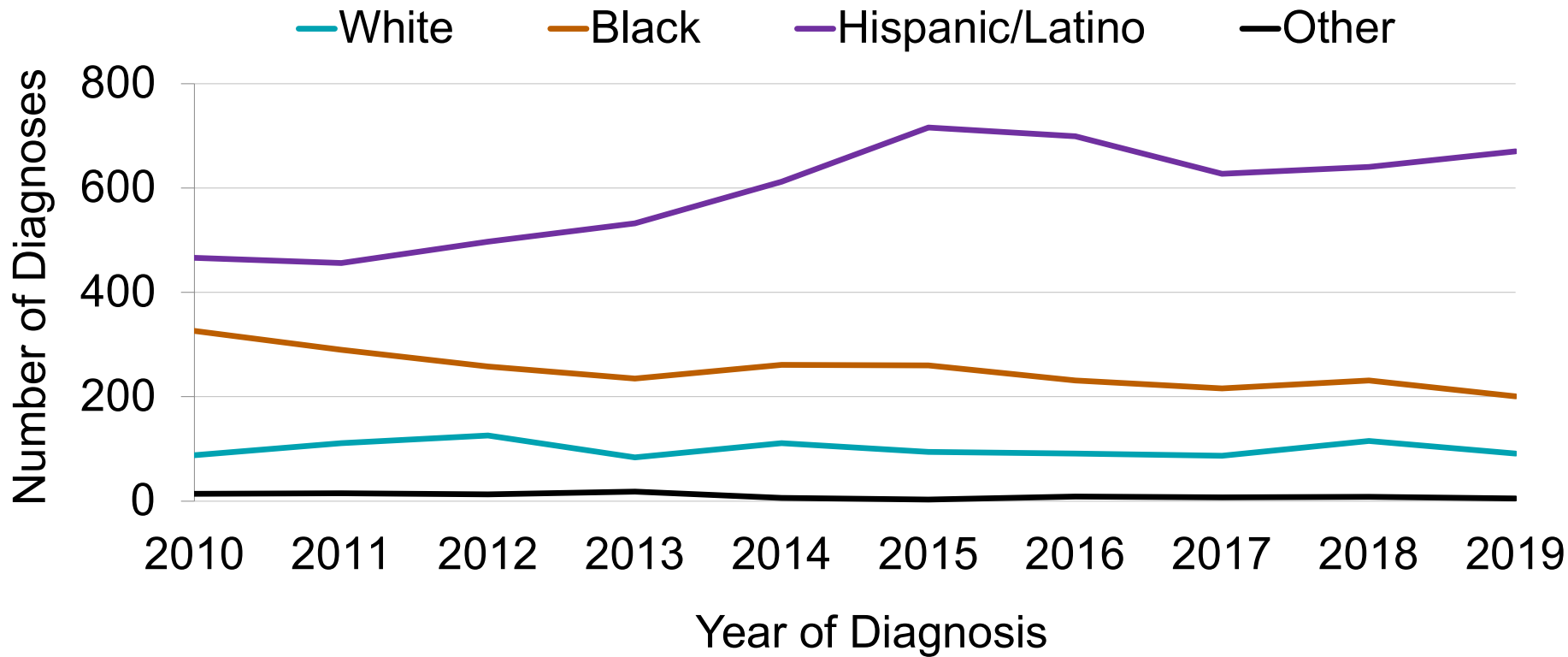
HIV Diagnosis Rates per 100,000 Population by Race/Ethnicity, 2010–2019, Miami-Dade County



Adult HIV Diagnoses by Race/Ethnicity, 2010–2019, Miami-Dade County

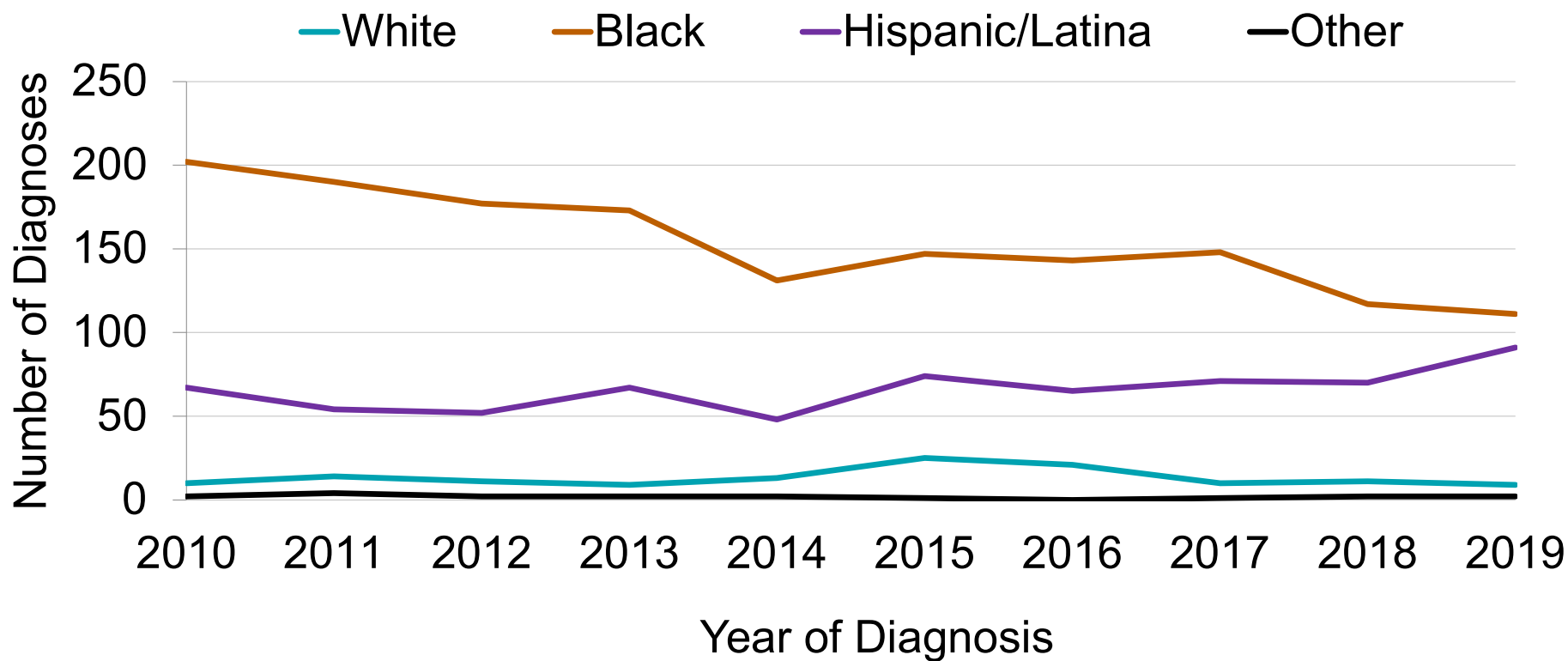


Adult Male HIV Diagnoses by Race/Ethnicity, 2010–2019, Miami-Dade County



Other includes American Indian/Alaska Native, Asian/Pacific Islander and multi-racial.

Adult Female HIV Diagnoses by Race/Ethnicity, 2009–2019, Miami-Dade County

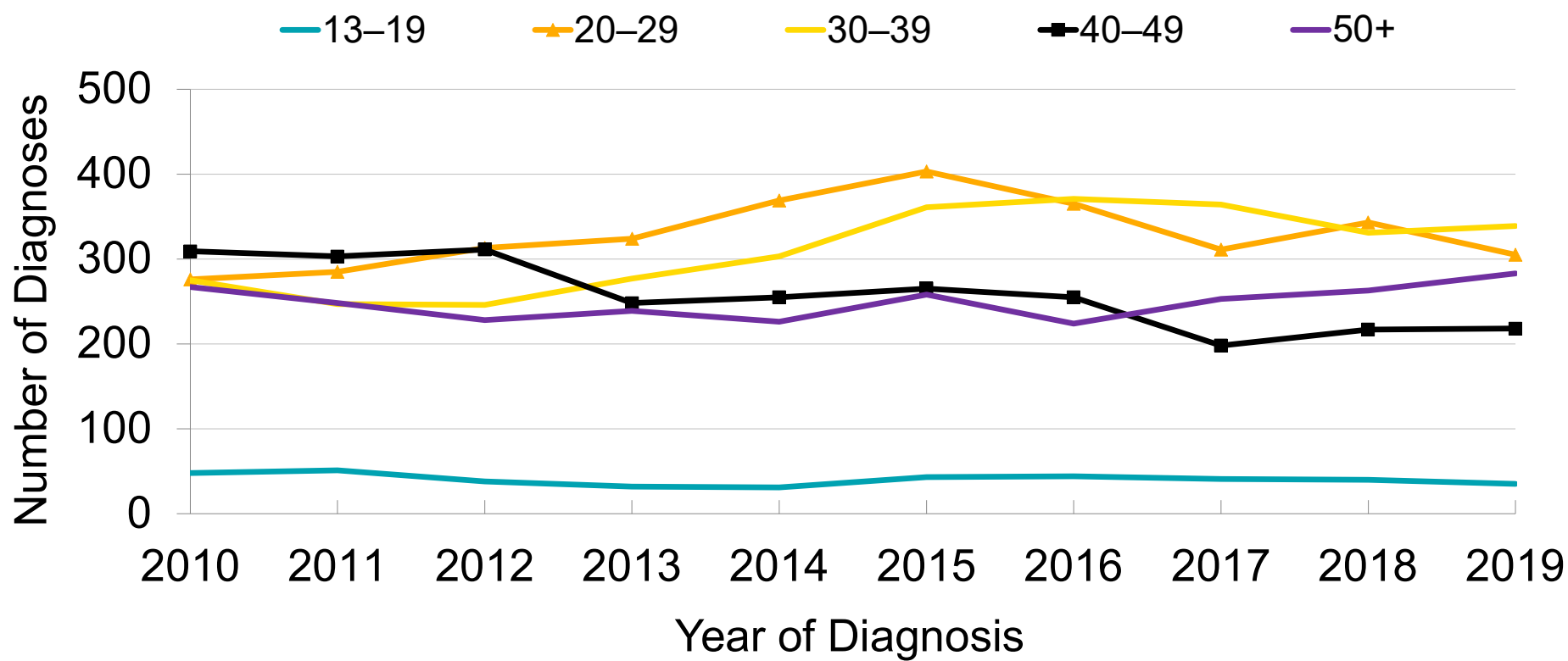


20

Other includes American Indian/Alaska Native, Asian/Pacific Islander and multi-racial.

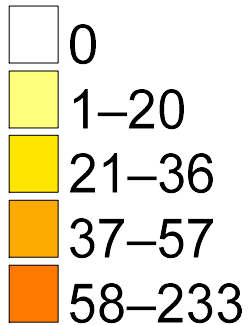


Adult HIV Diagnoses by Age at Diagnosis, 2010–2019, Miami-Dade County

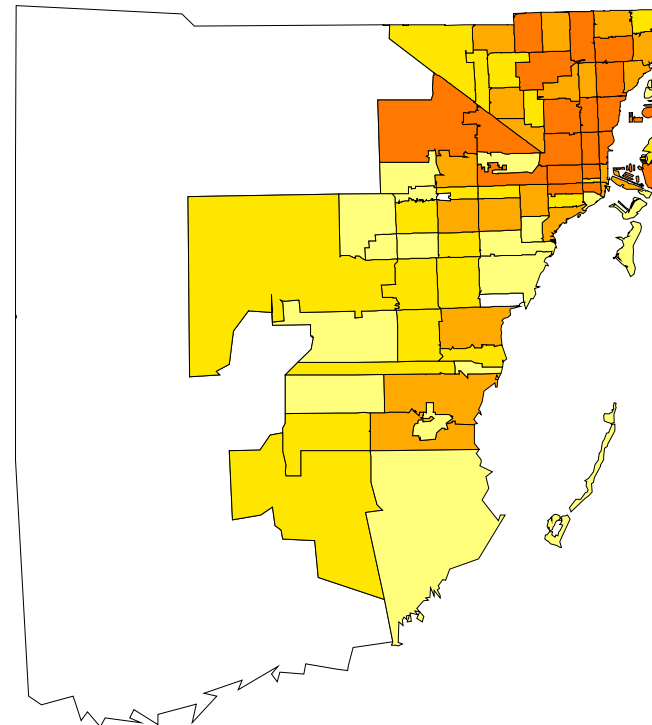


Adult HIV Diagnoses¹ by ZIP Code of Residence at Diagnosis, 2017–2019, Miami-Dade County

HIV Diagnoses



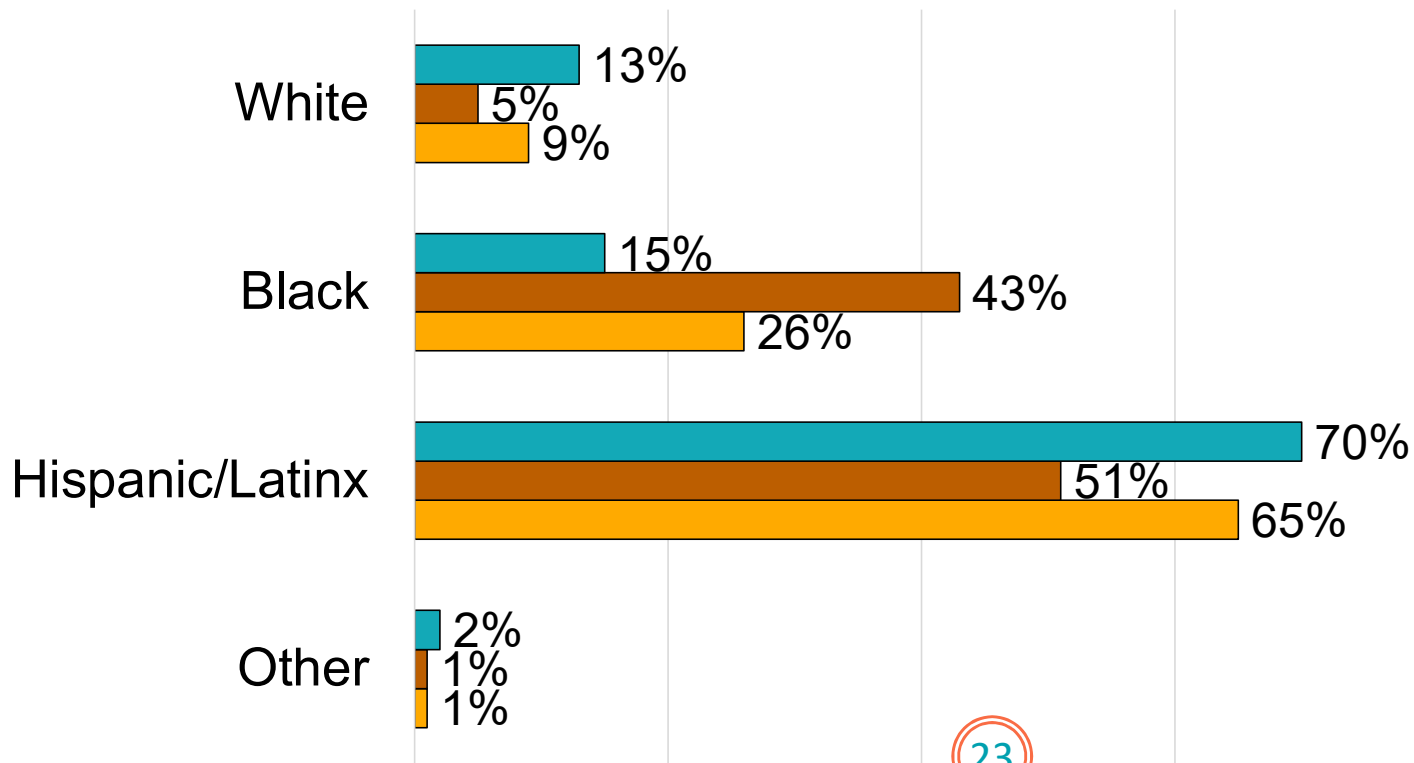
N=3,536



County map boundaries include agricultural and/or conservation areas which may not be populated.

Percentage of Adult HIV and AIDS Diagnoses, and Population, by Race/Ethnicity, 2019, Miami-Dade County

■ Population ■ AIDS ■ HIV



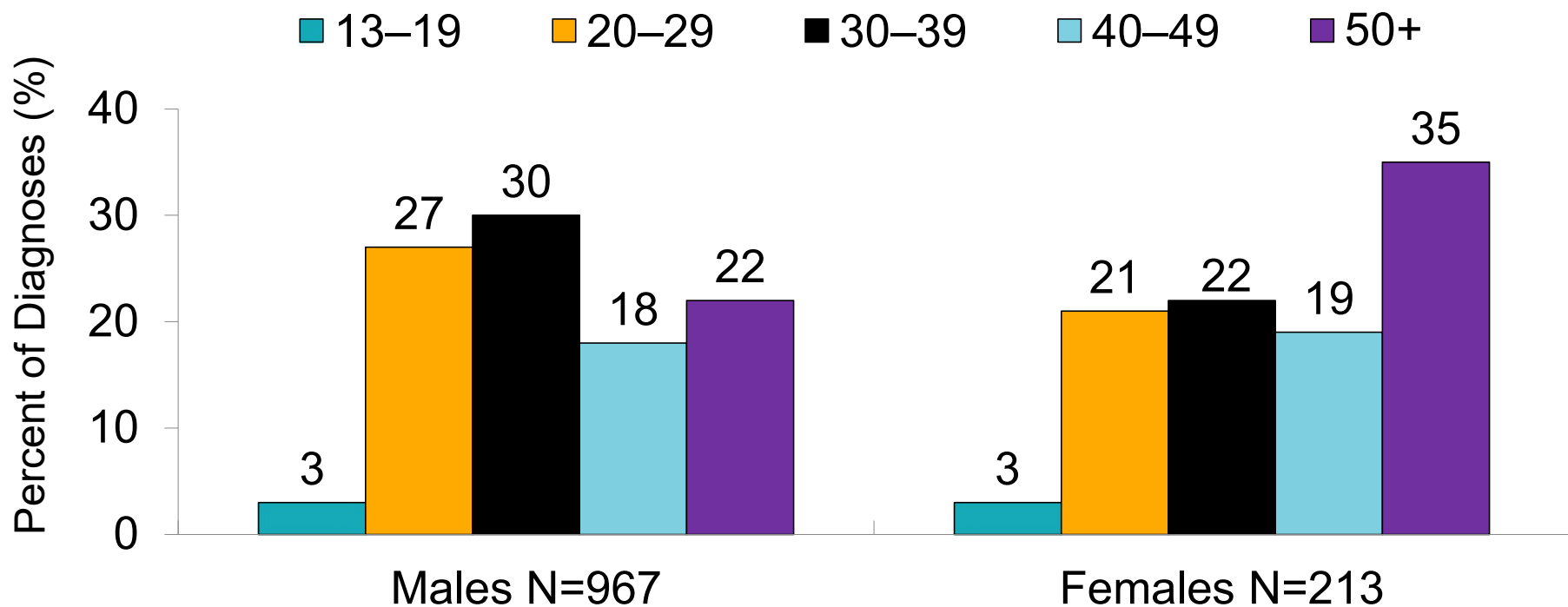
Miami-Dade County Adult
Population Estimates
N=2,417,216

AIDS
N=379

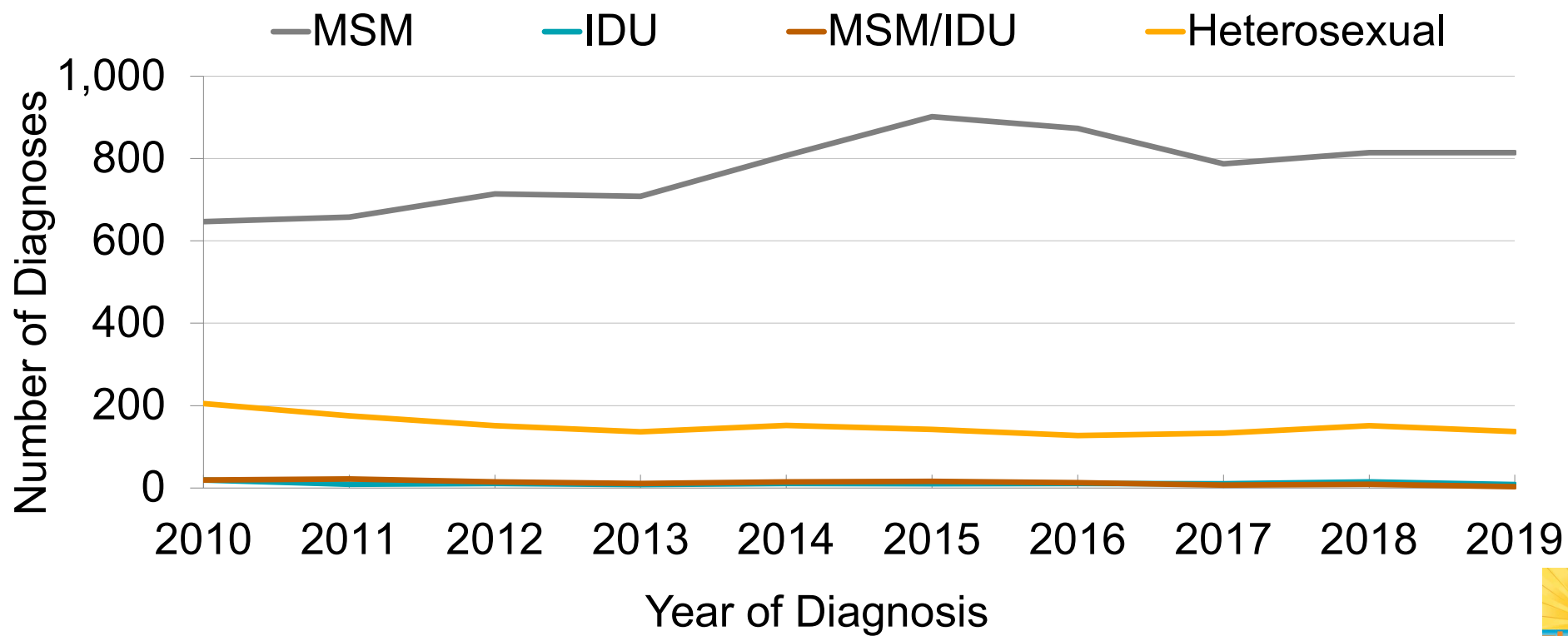
HIV
N=1,180



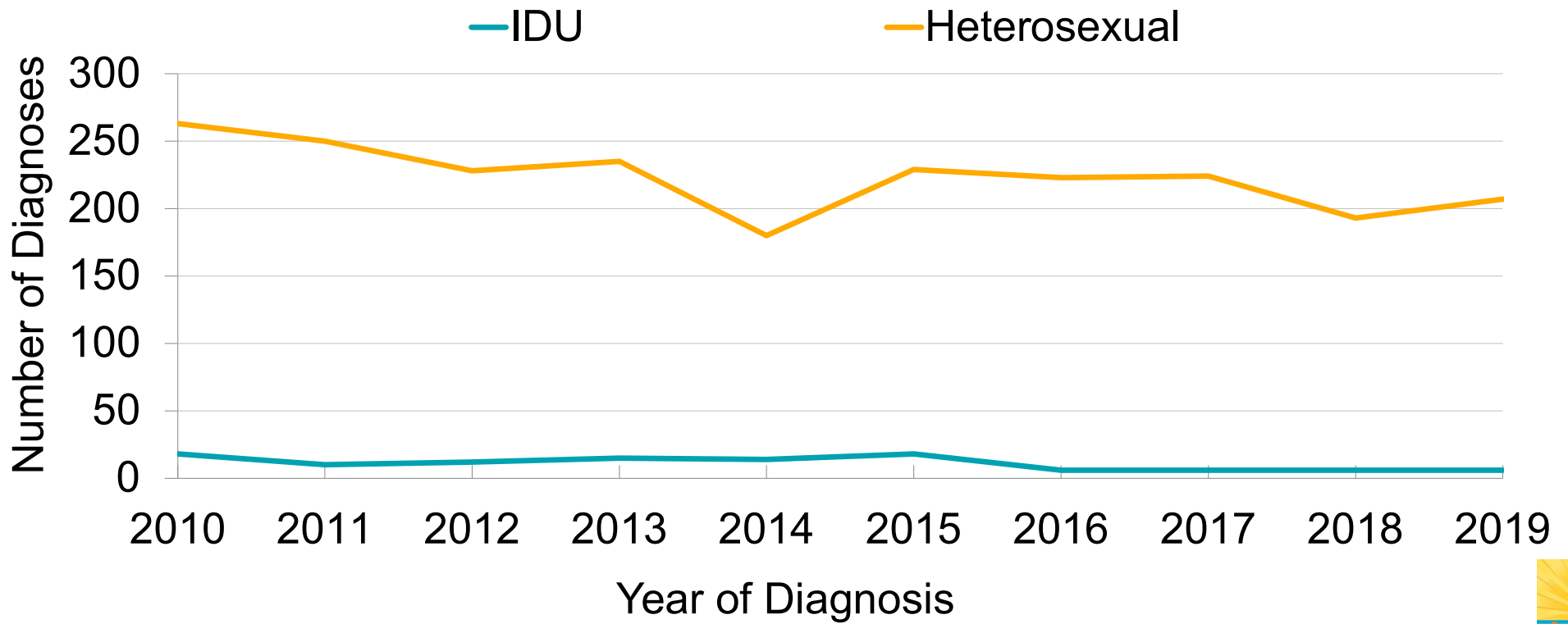
Adult HIV Diagnoses by Sex and Age at Diagnosis, 2019, Miami-Dade County



Adult Male HIV Diagnoses by Mode of Exposure, 2010–2019, Miami-Dade County



Adult Female HIV Diagnoses by Mode of Exposure, 2010–2019, Miami-Dade County



HIV Co-Morbidity Data



Persons with an HIV Diagnosis with a Co-occurring Diagnosis of an STD, by Type and Year of STD Report, 2015–2019, Miami-Dade County

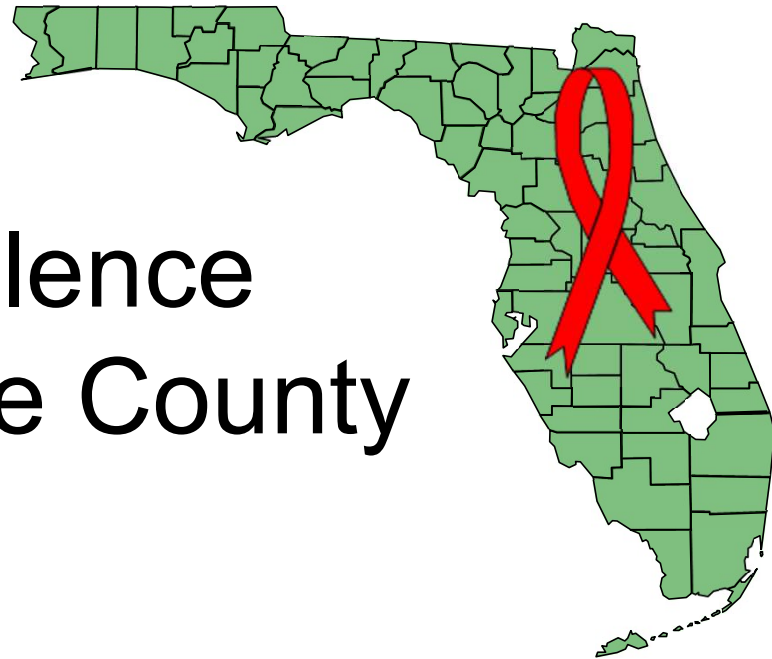
| Year of STD Report | HIV/ Early Syphilis ¹ | HIV/ Chlamydia | HIV/ Gonorrhea |
|--------------------------|-------------------------------------|-------------------|-------------------|
| 2015 | 647 | 431 | 375 |
| 2016 | 715 | 485 | 465 |
| 2017 | 723 | 609 | 593 |
| 2018 | 926 | 800 | 803 |
| 2019 | 997 | 949 | 1,023 |
| Percentage Change | 54% | 120% | 173% |



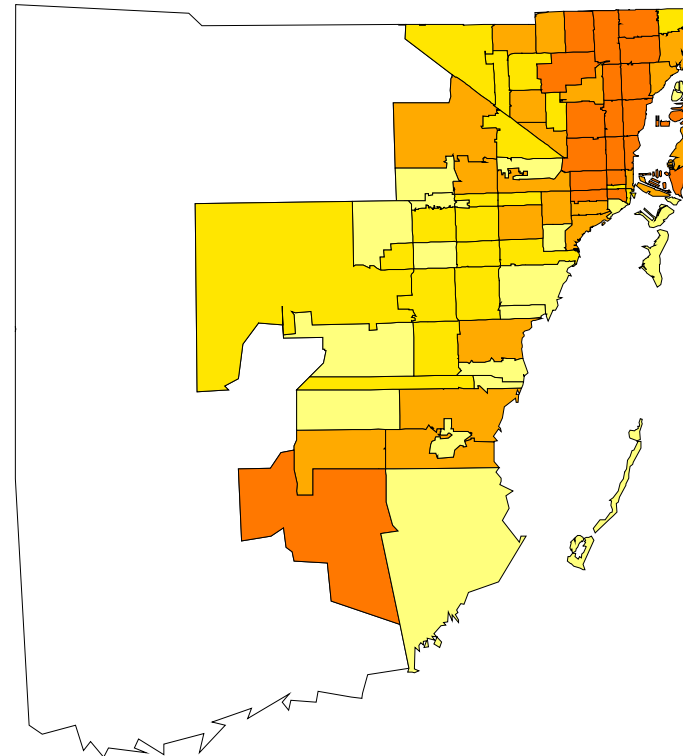
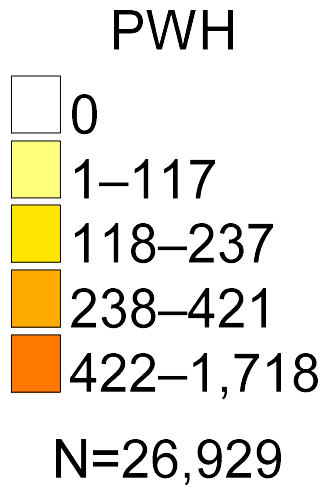
Persons with an HIV Diagnosis with a Co-occurring Diagnosis of HBV, HCV and TB by Year of Report, 2019, Miami-Dade County

| Year of Report | HIV/HBV | HIV/HCV | HIV/TB |
|----------------|---------|---------|--------|
| 2019 | 44 | 61 | 15 |

HIV Prevalence in Miami-Dade County

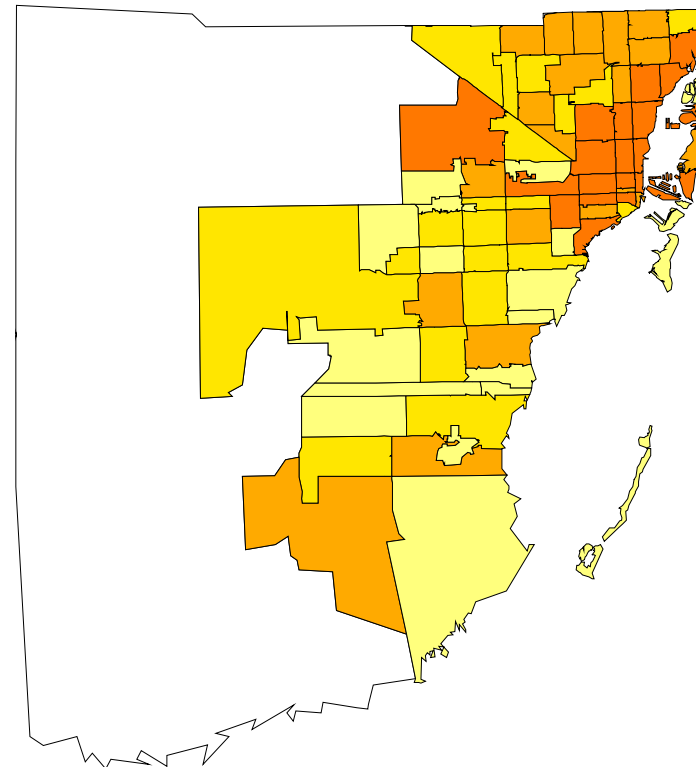
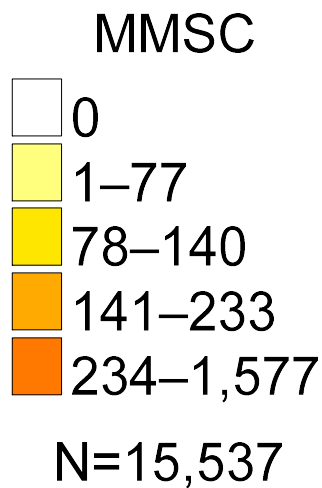


Adult PWH Living in Miami-Dade County by ZIP Code of Residence,¹ Year-End 2019



County map boundaries include agricultural and/or conservation areas which may not be populated.

Men who have Sex with Men¹ with HIV Living in Miami-Dade County, by ZIP Code of Residence, ² Year-End 2019

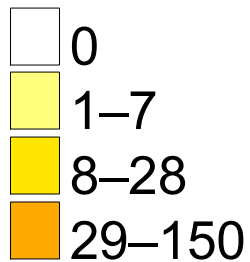


County map boundaries include agricultural and/or conservation areas which may not be populated.

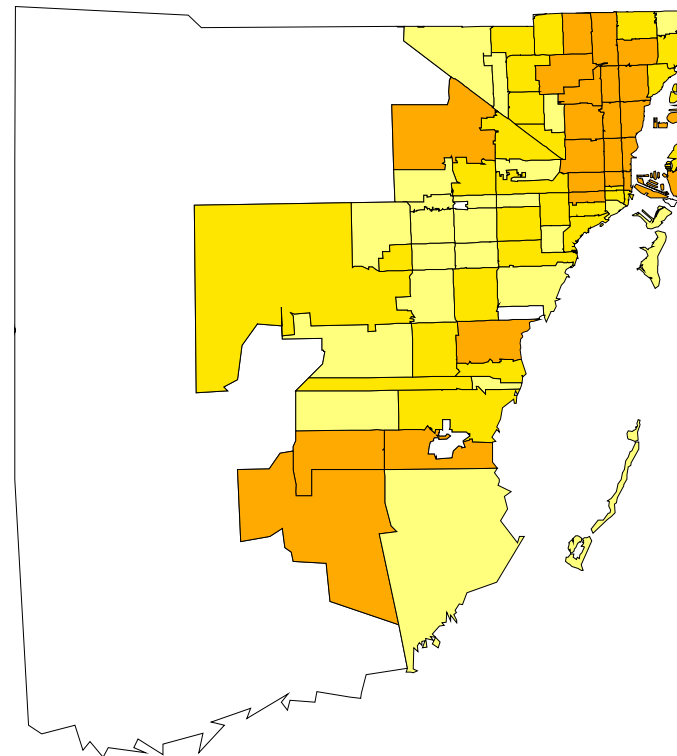


Persons Who Inject Drugs¹ with HIV Living in Miami-Dade County, by ZIP Code of Residence,² Year-End 2019

Injection Drug Use



N=2,053

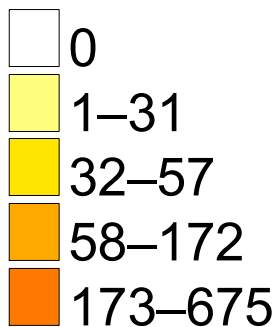


County map boundaries include agricultural and/or conservation areas which may not be populated.

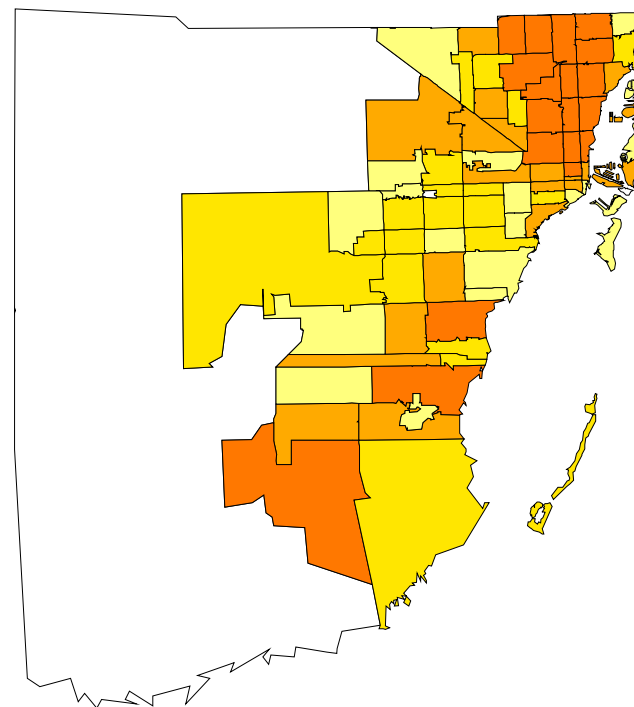


Persons with Heterosexual Contact with HIV Living in Miami-Dade County, by ZIP Code of Residence,¹ Year-End 2019

Heterosexual Contact



N=9,565



County map boundaries include agricultural and/or conservation areas which may not be populated.



¹Excludes homeless and cases with unknown ZIP Code. Data as of 6/30/2020

Adults with HIV Living in Miami-Dade County, Year-End 2019

| | | Male # | % | Female # | % | Total # | % |
|----------------------------|-----------------------------------|---------------|---------------|--------------|---------------|---------------|---------------|
| Race/ Ethnicity | White | 2,443 | 11.9% | 296 | 4.4% | 2,739 | 10.0% |
| | Black | 6,558 | 31.9% | 4,645 | 68.7% | 11,203 | 41.0% |
| | Hispanic/Latinx | 11,273 | 54.9% | 1,744 | 25.8% | 13,017 | 47.7% |
| | Other | 255 | 1.2% | 78 | 1.2% | 333 | 1.2% |
| Age Group | 13–19 | 57 | 0.3% | 28 | 0.4% | 85 | 0.3% |
| | 20–29 | 1,516 | 7.4% | 406 | 6.0% | 1,922 | 7.0% |
| | 30–39 | 3,413 | 16.6% | 992 | 14.7% | 4,405 | 16.1% |
| | 40–49 | 4,217 | 20.5% | 1,438 | 21.3% | 5,655 | 20.7% |
| | 50+ | 11,326 | 55.2% | 3,899 | 57.7% | 15,225 | 55.8% |
| Mode of Exposure | MMSC | 15,065 | 73.4% | 0 | 0.0% | 15,065 | 55.2% |
| | IDU | 839 | 4.1% | 586 | 8.7% | 1,426 | 5.2% |
| | MMSC/IDU | 671 | 3.3% | 0 | 0.0% | 671 | 2.5% |
| | Heterosexual Contact | 3,734 | 18.2% | 5,993 | 88.6% | 9,727 | 35.6% |
| | Transgender Sexual Contact | 70 | 0.3% | 3 | 0.0% | 73 | 0.3% |
| | Other Risk | 150 | 0.7% | 181 | 2.7% | 331 | 1.2% |
| | TOTAL | 20,529 | 100.0% | 6,763 | 100.0% | 27,292 | 100.0% |

HIV Care Continuum in Miami-Dade County

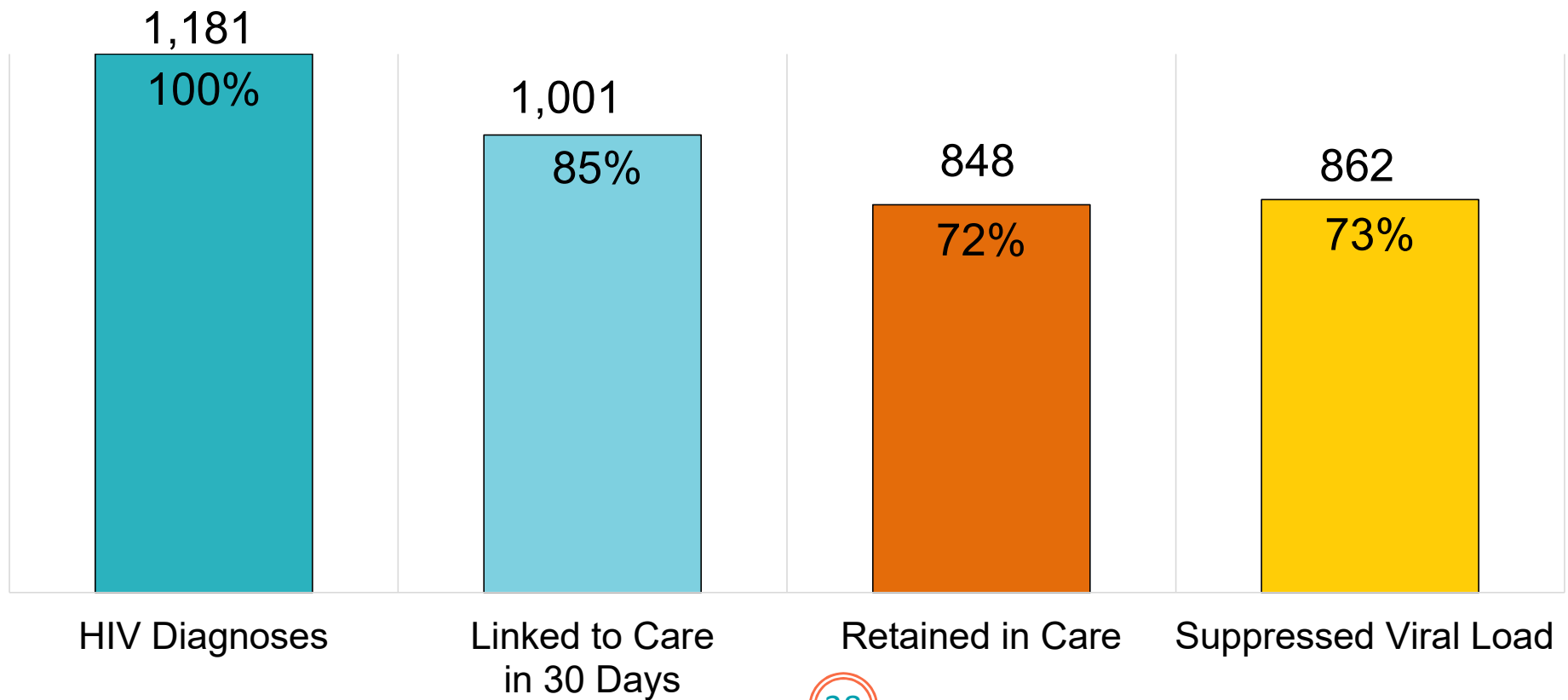


HIV Care Continuum Definitions

- 🚫 **PWH:** The number of persons with HIV living in Florida at the end of 2019.
- 🚫 **In Care:** PWH with at least one documented viral load (VL) or CD4 lab, medical visit or prescription from 1/1/2019 through 3/31/2020.
- 🚫 **Retained in Care:** PWH with two or more documented VL or CD4 labs, medical visits or prescriptions at least three months apart from 1/1/2019 through 6/30/2020.
- 🚫 **Suppressed Viral Load:** PWH with a suppressed VL (<200 copies/mL) on the last VL from 1/1/2019 through 3/31/2020.
- 🚫 **Not in Care:** PWH with no documented viral load (VL) or CD4 lab, medical visit or prescription from 1/1/2019 through 3/31/2020.
- 🚫 **Linked in care:** “In care” with at least one documented VL or CD4 lab, medical visit or prescription following first HIV diagnosis date.



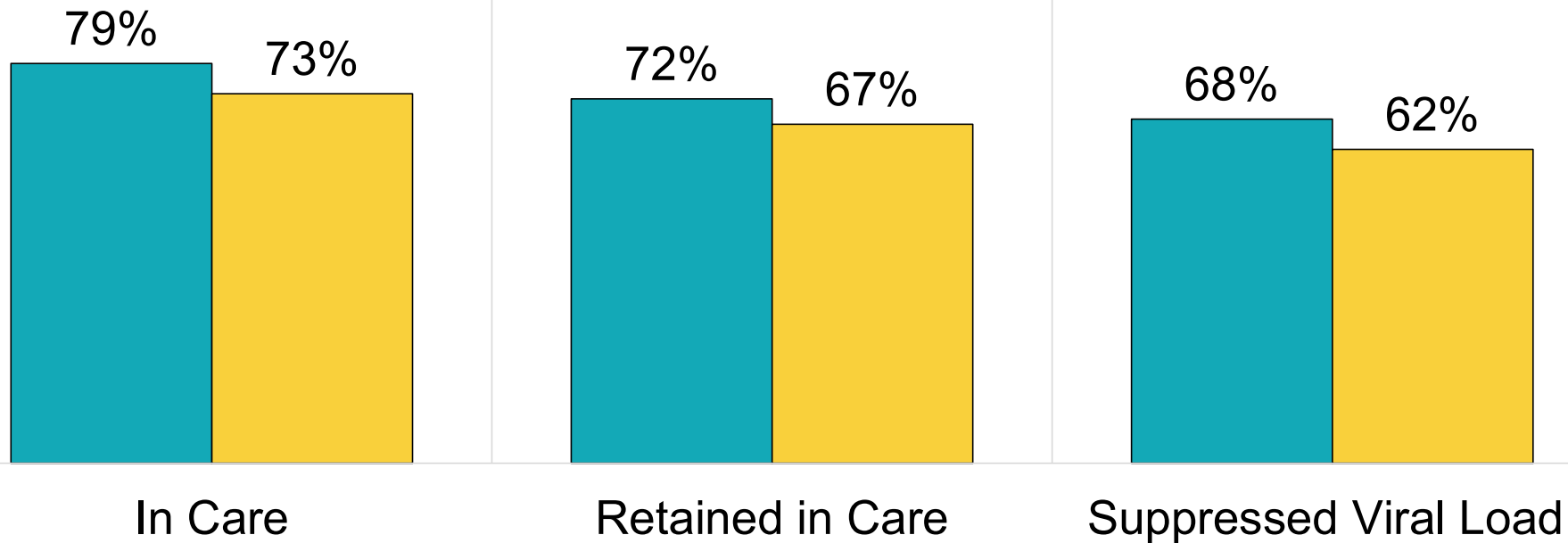
Persons Who Received an HIV Diagnosis in 2019 in Miami-Dade County Along the HIV Care Continuum



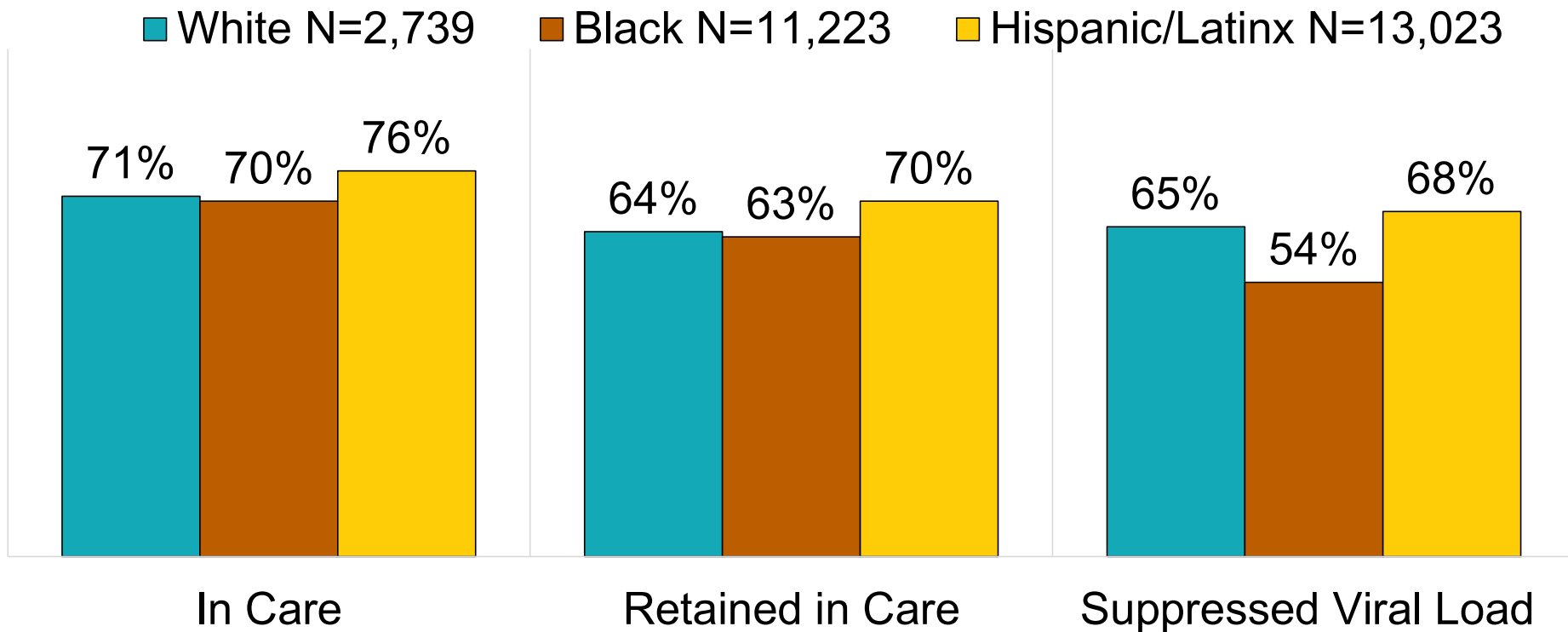
PWH Living in Florida Compared to Miami-Dade County, Along the HIV Care Continuum, Year-End 2019

■ Florida N=116,689

■ Miami-Dade County N=27,319

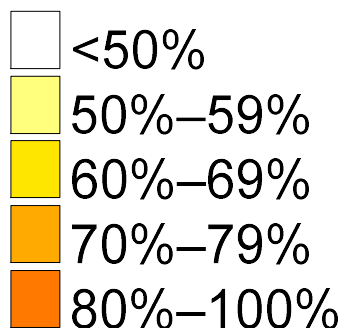


PWH Living in Miami-Dade County, by Race/Ethnicity, Along the HIV Care Continuum in 2019

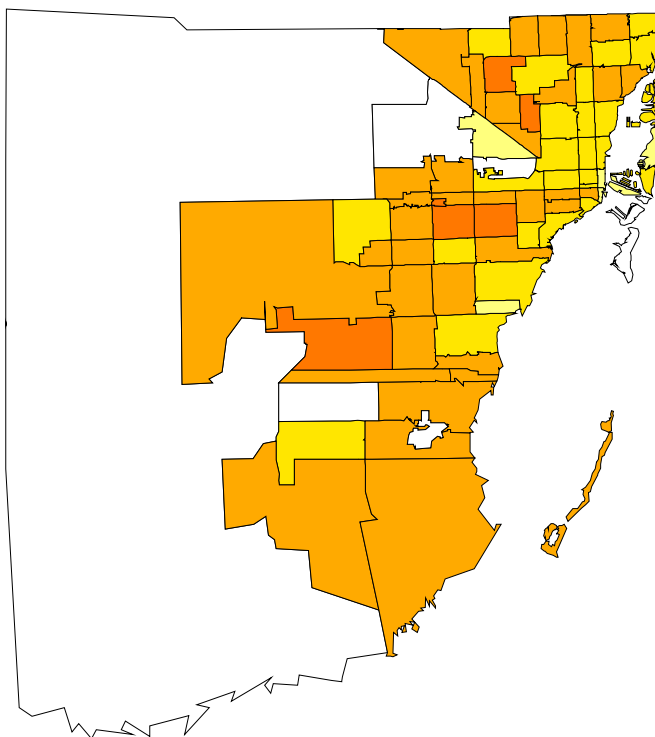


Percentage of PWH Living in Miami-Dade County, by ZIP Code of Residence,¹ who were Retained in Care in 2019

Retained in Care



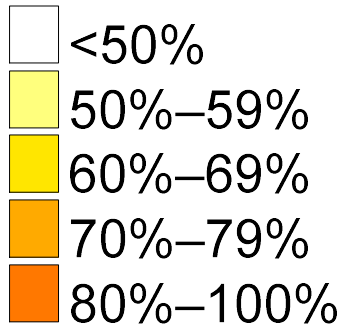
Overall 68%



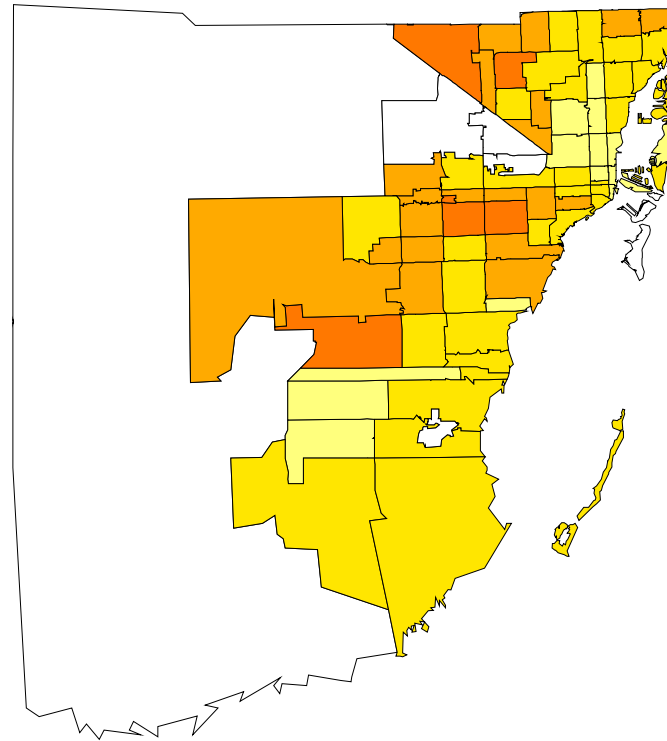
County map boundaries include agricultural and/or conservation areas which may not be populated.

Percentage of PWH Living in Miami-Dade County, by ZIP Code of Residence,¹ who had a Suppressed Viral Load (VL), Year-End 2019

Suppressed VL



Overall 63%

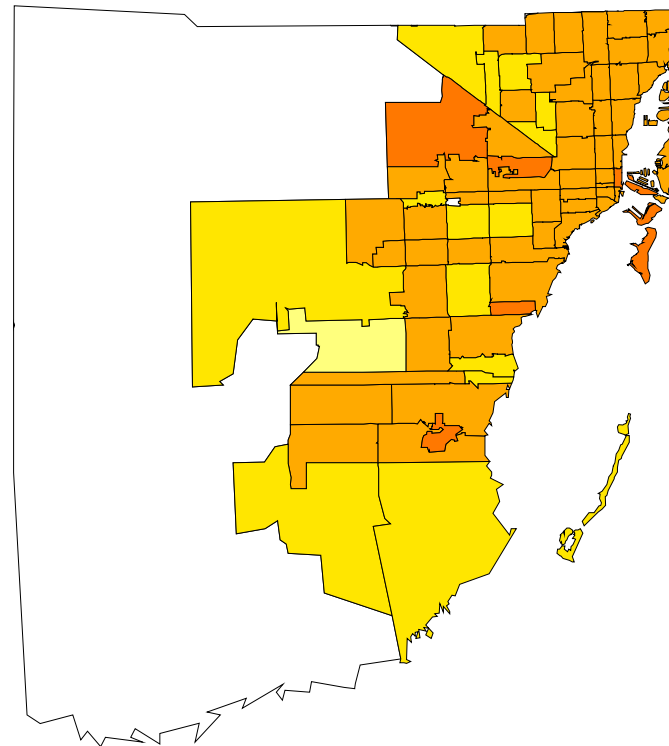
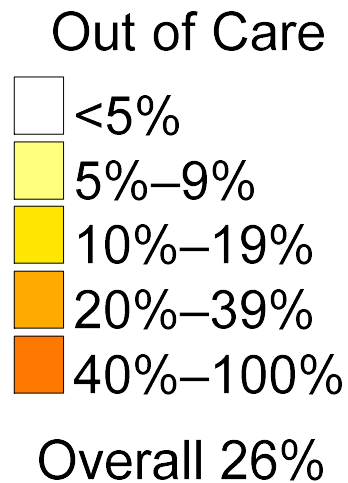


County map boundaries include agricultural and/or conservation areas which may not be populated.



¹Excludes data from homeless and those with unknown ZIP Code. Data as of 6/30/2020

Percentage of PWH Living in Miami-Dade County, by ZIP Code of Residence,¹ who were Not in Care in 2019



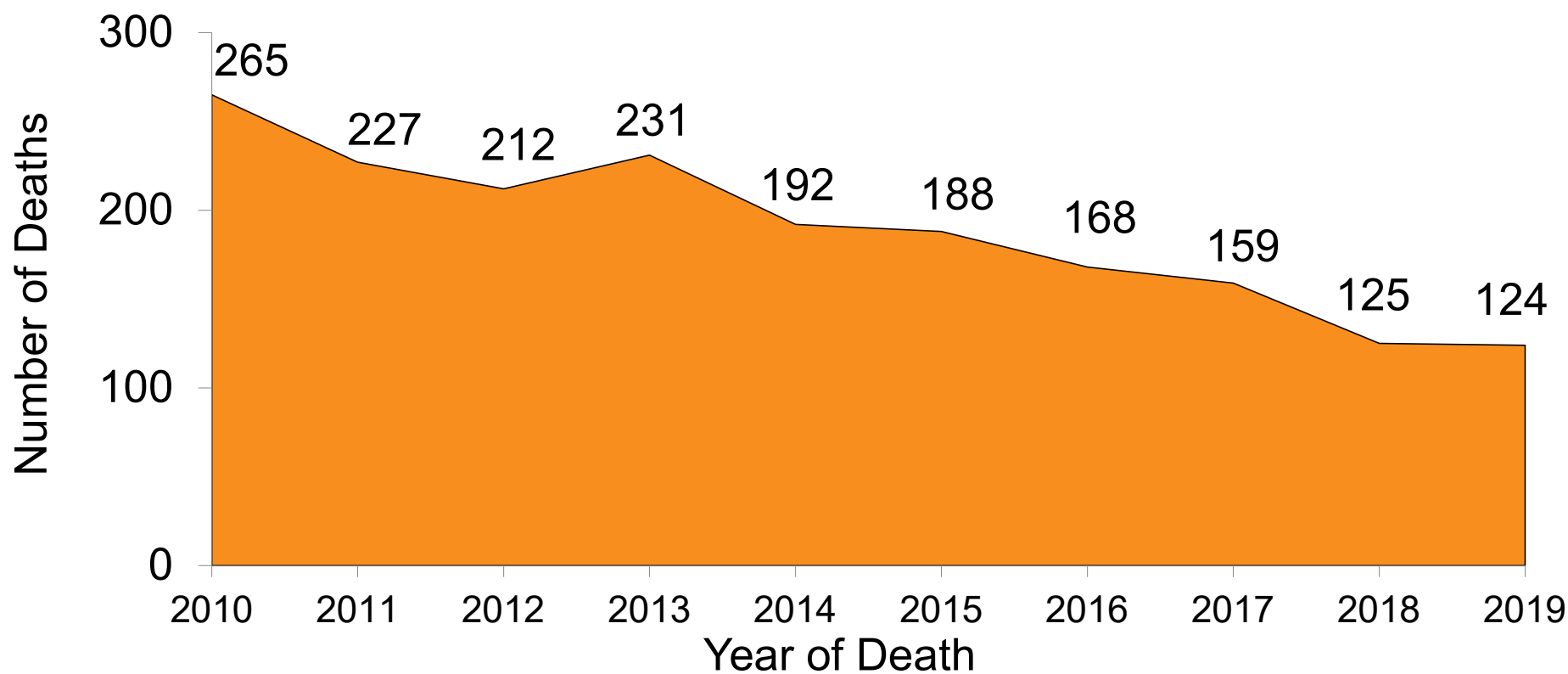
County map boundaries include agricultural and/or conservation areas which may not be populated.

HIV-Related Deaths in Miami-Dade County



HIV-Related Deaths, 2010–2019, Miami-Dade County

2018–2019 = -1% change; 2015–2019 = -34% change



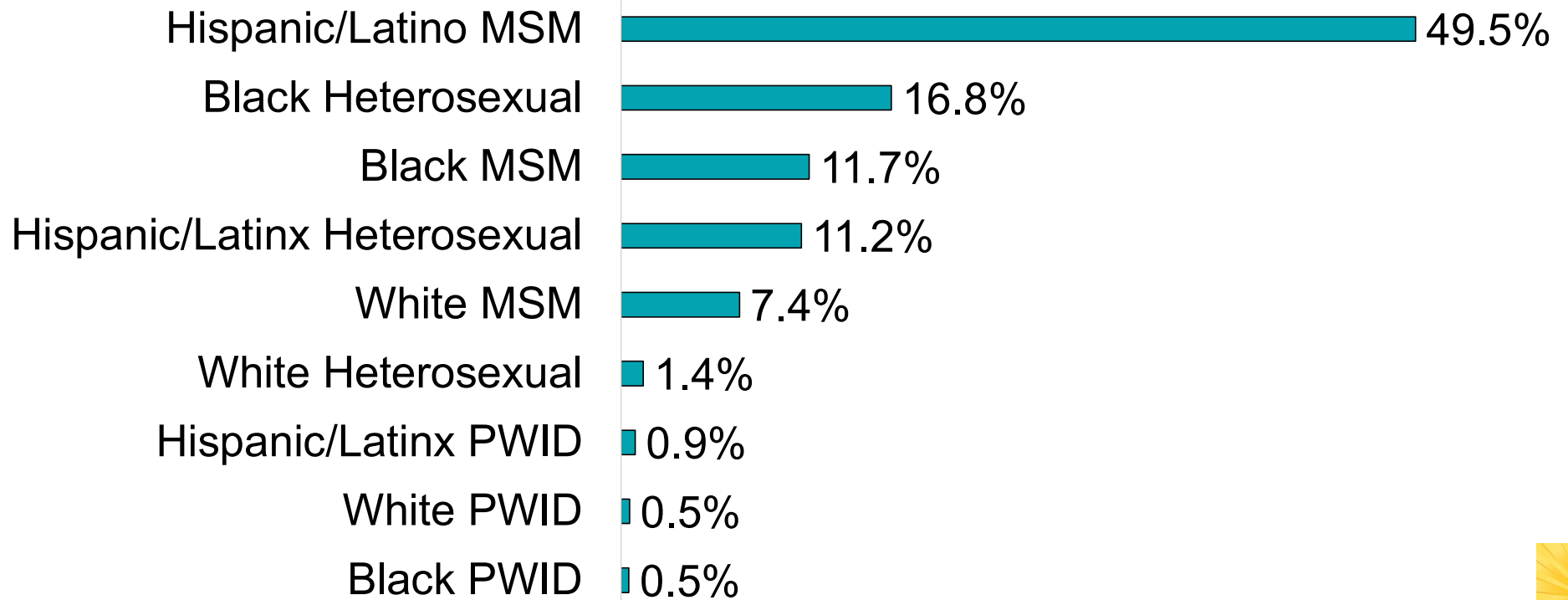
HIV Prevention in Miami-Dade County



Top Priority Populations for Primary HIV Prevention

- ⚡ These data were calculated from HIV diagnoses 2017–2019 and represent the proportion of each race/mode of exposure group to the total diagnoses.
- ⚡ These data are used to identify and prioritize testing, PrEP and other HIV prevention services to those at greatest risk for acquiring HIV in Florida.

Miami-Dade County's Top Priority Populations¹ for Primary HIV Prevention in 2019

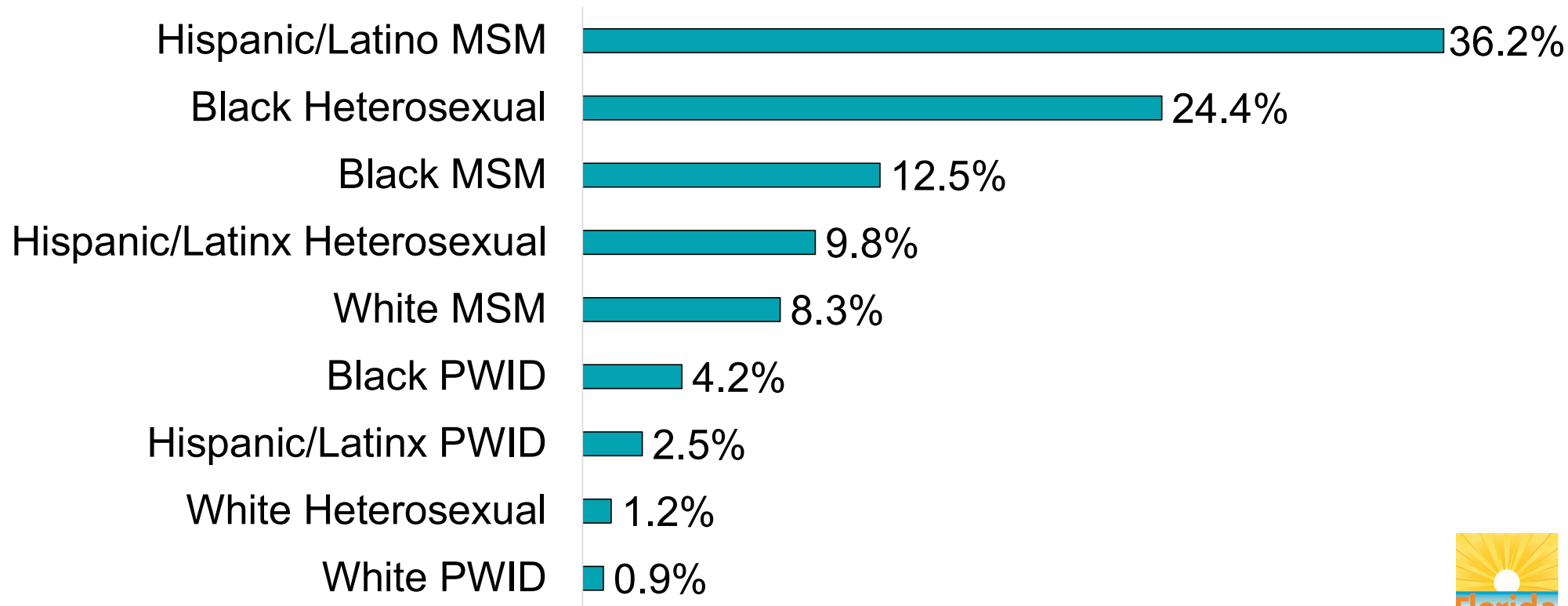


Top Priority Populations for Prevention for PWH

- ⦿ These data were calculated from PWH living at year-end 2019 and represent the proportion of each race/mode of exposure group to the total PWH.
- ⦿ These data are used to prevent further transmission of HIV for those already diagnosed with HIV by providing linkage to care and other services to improve health outcomes and viral suppression to those who need it.

Miami-Dade County's Top Priority Populations¹

Prevention for PWH, Living in Miami-Dade County, Year-End 2019



HIV Testing

Adolescents and adults (ages 13–64) should get tested for HIV at least once during their lifetime. Persons at [increased risk](#) for HIV should get tested at least annually. Visit knowyourhivstatus.com for testing options in your area.

Florida law (section 384.31, Florida Statutes) requires all pregnant women to be tested for HIV and other sexually transmitted infections (STIs) at their initial prenatal care visit, again at 28–32 weeks and at labor and delivery if their HIV status is unknown.

Pre-Exposure Prophylaxis (PrEP)

PrEP medication, taken as directed, can reduce the risk of acquiring HIV through sexual contact by over 90% and through injection drug use by 70%. Condoms are still important during sex to prevent other STIs and unwanted pregnancy. STIs are increasing in Florida and can increase HIV risk. To find a PrEP provider who can help you decide if PrEP is right for you, visit prelocator.org.

Antiretroviral Therapy (ART)

For persons with HIV (PWH), starting ART as soon as possible improves health outcomes and quality of life by reducing viral load and the risk of disease progression. PWH who take ART as prescribed and achieve and keep an undetectable viral load have effectively no risk of transmitting HIV to their HIV-negative sexual partners (Undetectable=Untransmittable). ART is recommended for all PWH, regardless of how long they have had the virus or how well they feel. To find a care provider or to learn more about the resources available to PWH, visit floridaaids.org.

Florida HIV/AIDS Hotline

1-800-FLA-AIDS (352-2437) English
1-800-545-SIDA (545-7432) Spanish
1-800-AIDS-101 (243-7101) Haitian Creole
1-888-503-7118 Hearing/Speech Impaired
211bigbend.org/flhivaidshotline
Text 'FLHIV' or 'flhiv' to 898211

For more information, email
DiseaseControl@flhealth.gov



Some Useful Links

Florida Department of Health HIV/AIDS Section
floridaaids.org

CDC HIV Surveillance Reports (State and Metro Data)
cdc.gov/hiv/library/reports/hiv-surveillance.html

CDC's Morbidity and Mortality Weekly Report
(Special Articles on Diseases, including HIV)
cdc.gov/mmwr

U.S. Census Data (Available by State and County)
census.gov



Miami-Dade County HIV/AIDS Surveillance Data Contact

Sam Alghawi

Miami-Dade County Health Department

Phone: 305-470-5631

Email: Sam.Alghawi@flhealth.gov

HIV/AIDS surveillance data are frozen on June 30 for the previous calendar year.

These are the same data used for FLHealthCHARTS and all grant-related data.

flhealthcharts.com/charts/CommunicableDiseases/default.aspx

