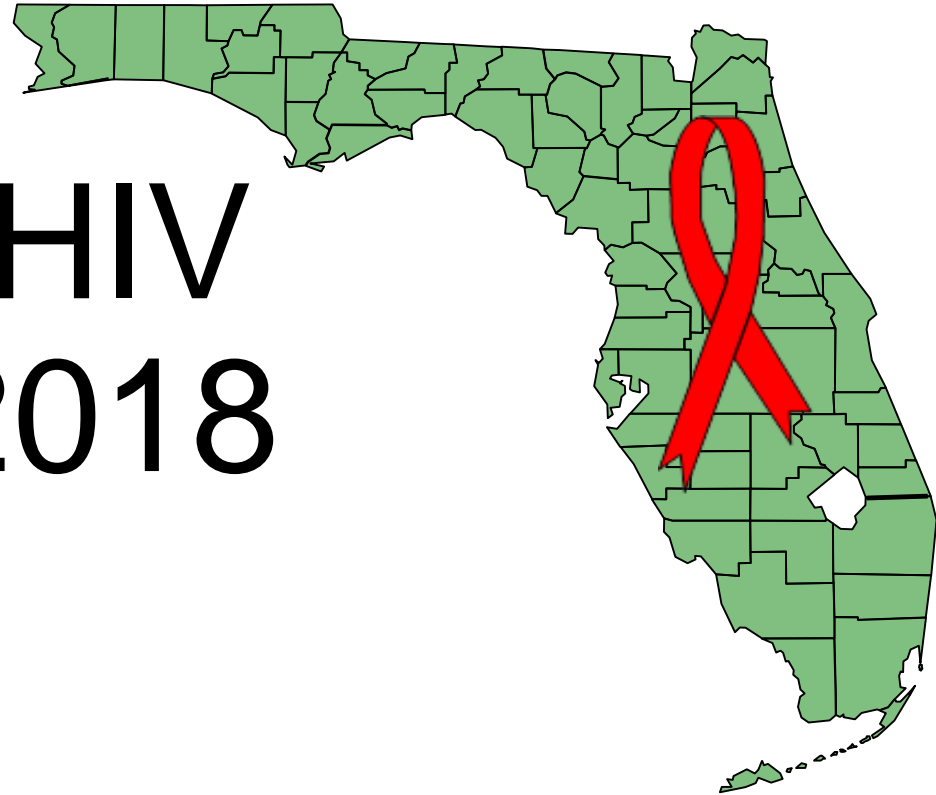


Department of Health

Epidemiology of HIV
in Miami-Dade County, 2018



Epidemiology of HIV in Miami-Dade, 2018



Florida Department of Health
HIV/AIDS Section
Data as of 6/30/2019



Technical Notes

- 🦋 HIV diagnoses by year of diagnosis represent persons whose HIV was that year, regardless of AIDS status at time of diagnosis.
- 🦋 AIDS and HIV diagnoses by year of diagnosis are not mutually exclusive and cannot be added together.
- 🦋 HIV prevalence data represent persons who were living with an HIV diagnosis in the reporting area through the end of the calendar year (regardless of where they were diagnosed).
- 🦋 Resident deaths due to HIV represent persons who resided in Florida and whose underlying cause of death was HIV, regardless if their HIV status was reported in Florida or not.

Technical Notes, Continued

- ⦿ Adult diagnoses represent ages 13 and older; pediatric diagnoses are those 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 otherwise noted, Whites are non-Hispanic/Latino/Latino, Blacks are non-Hispanic/Latino/Latino, and Other (which may be omitted in some graphs due to small numbers) represents Asian, American Indian, or mixed races.
- ⦿ For diagnosis data by year, area and county data will exclude Department of Corrections diagnoses. For prevalence data, Department of Corrections will **not** be excluded from area and county data.

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

- 🦋 Implement routine HIV and Sexually Transmitted Infections (STIs) 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

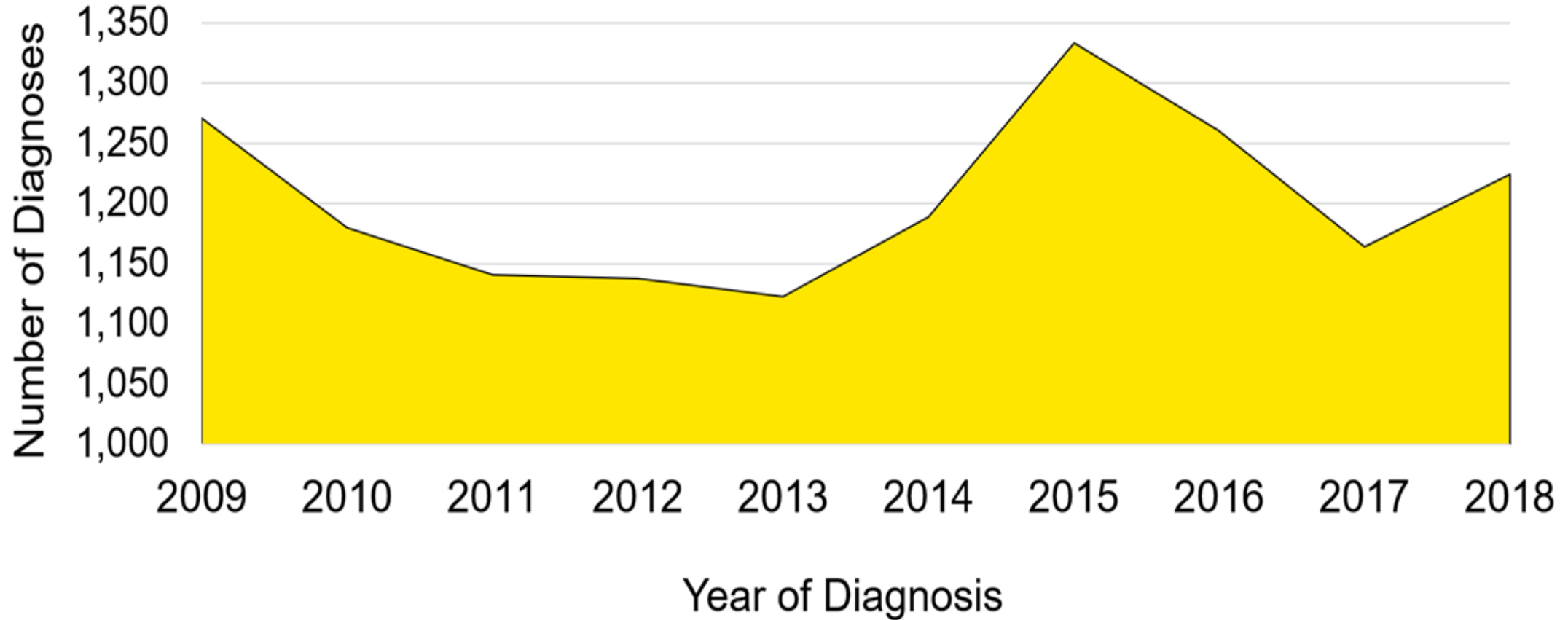
Definitions of Mode of Exposure Categories

- 🎗️ **MSM:** Men who have sex with men or male-to-male sexual contact (The term MSM indicates a behavior that allows for HIV transmission; it does not indicate how individuals self-identify in terms of sexuality or gender.)
- 🎗️ **IDU:** Injection drug use
- 🎗️ **MSM/IDU:** Men who have sex with men or male-to-male sexual contact and injection drug use
- 🎗️ **Transgender Sexual Contact:** Transgender men or women whose mode of exposure was sexual contact
- 🎗️ **Heterosexual:** Heterosexual contact with person who received an HIV diagnosis or had known HIV risk
- 🎗️ **Other Risk:** Includes hemophilia, transfusion, perinatal and other pediatric risks, and other confirmed risks

HIV by Year of Diagnosis

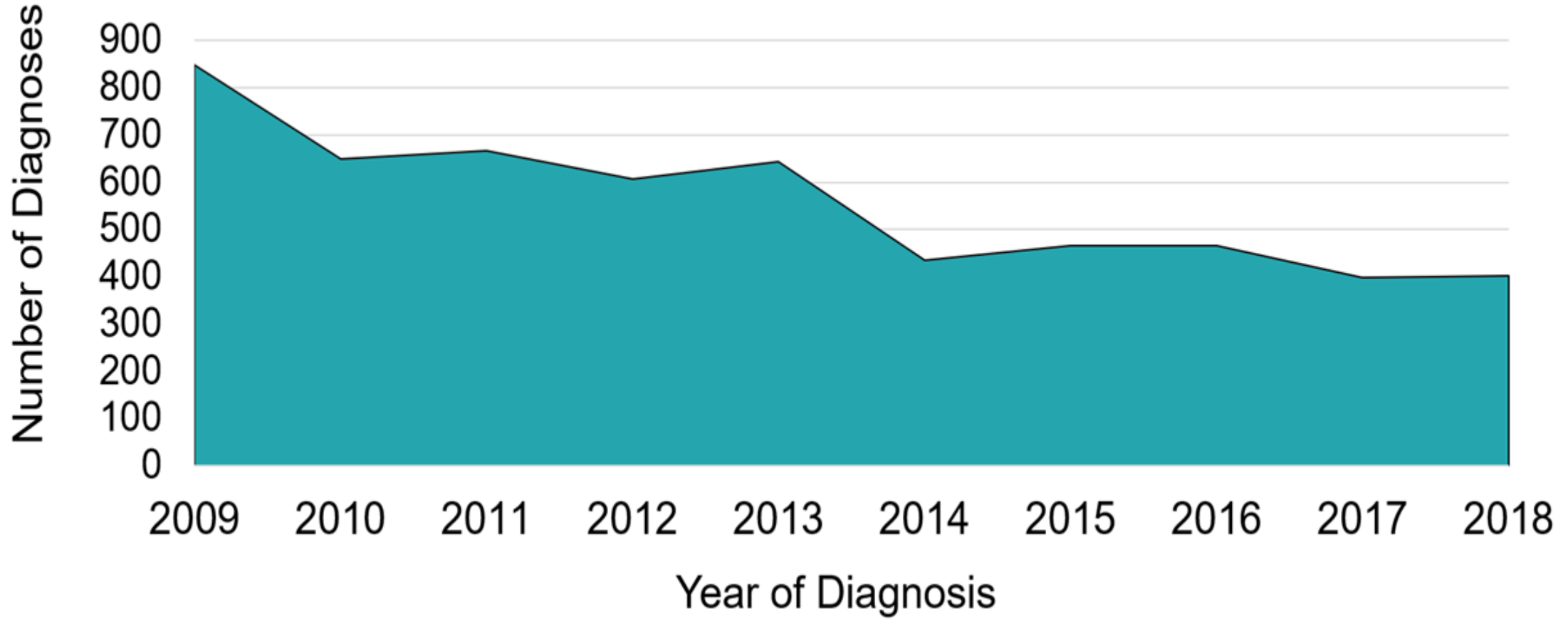
Diagnoses of HIV, 2009-2018, Miami-Dade County

10 years % change (2009-2018) = 4% decrease

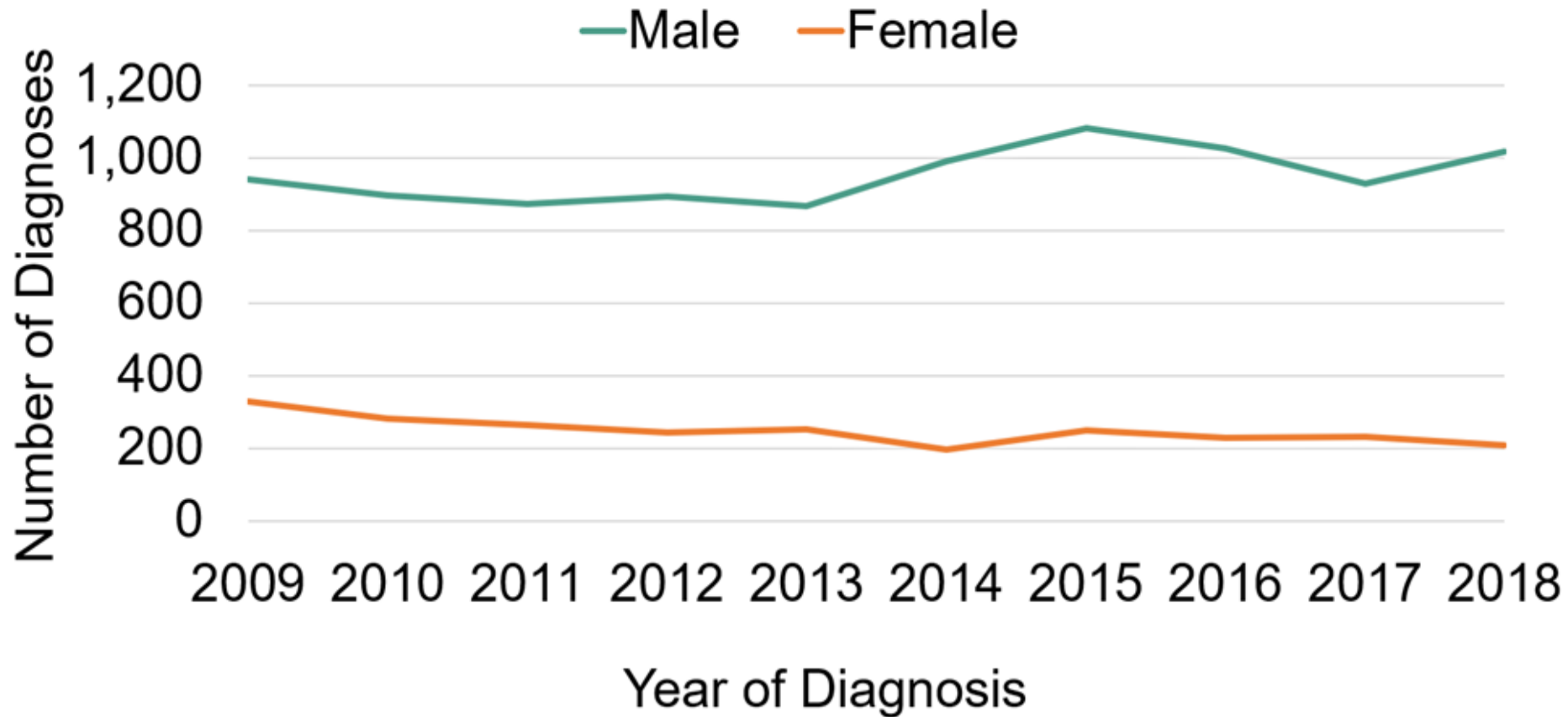


Diagnoses of AIDS, 2009-2018, Miami-Dade County

10 years % change (2009-2018) = 53% decrease



Adult (Age 13+) HIV Diagnoses, by Sex, 2009-2018. Miami Dade County



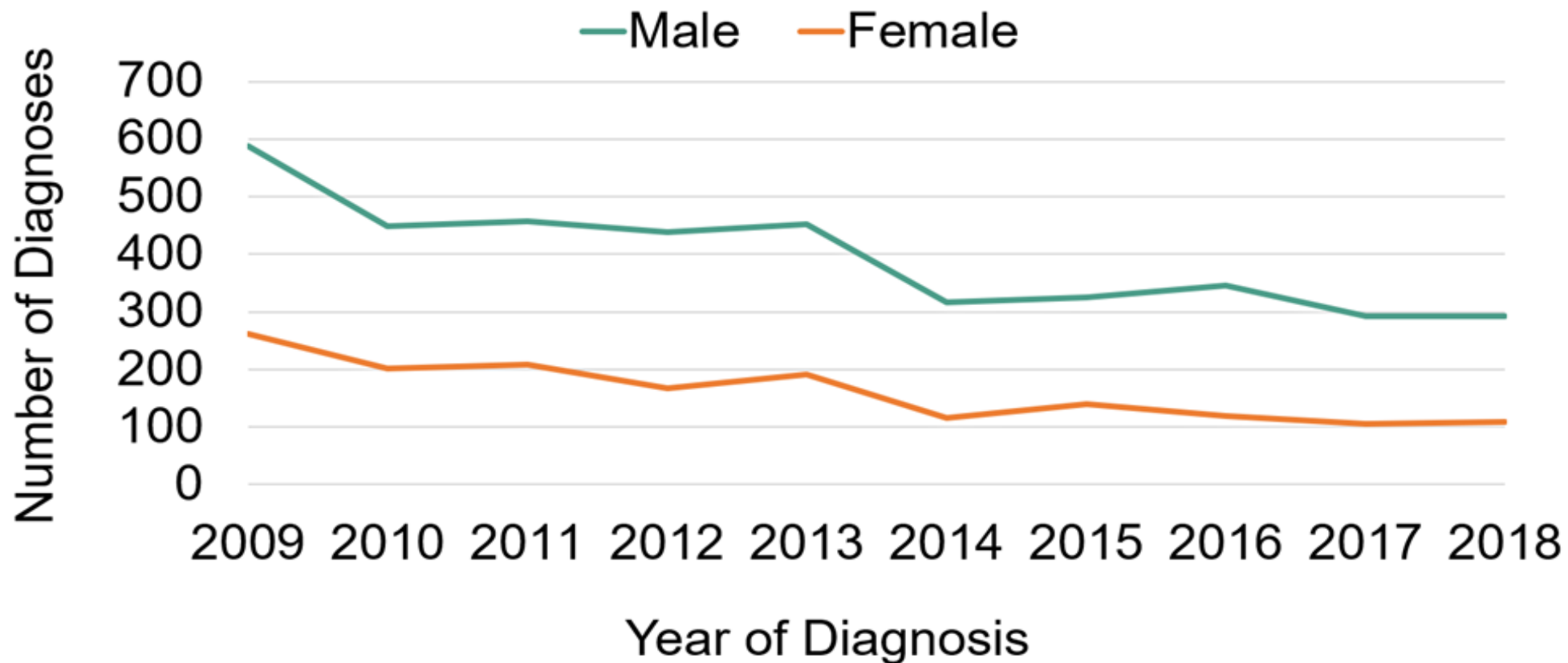
Male to Female
Ratio

2009 = 2.9 to 1

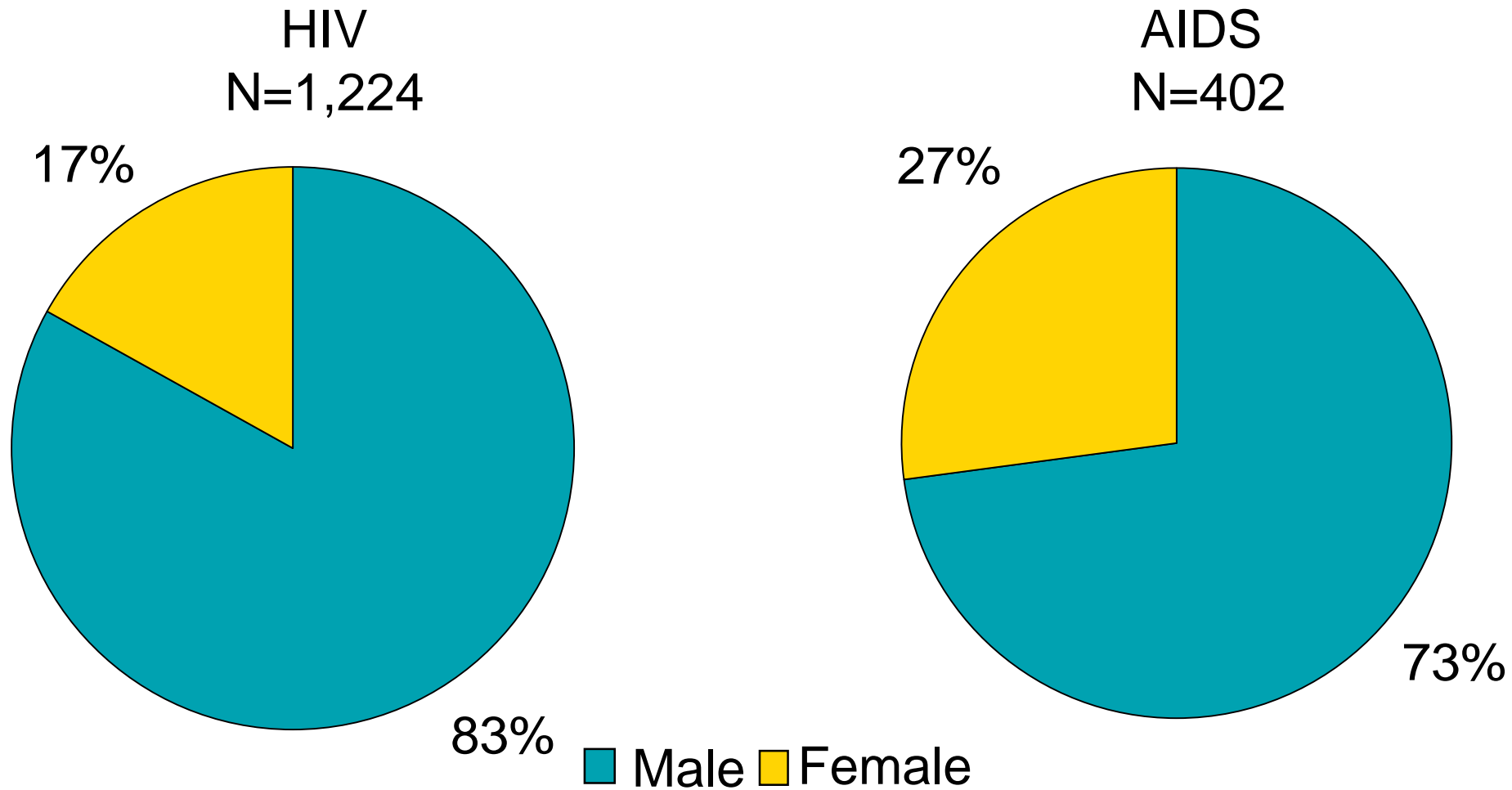
2018 = 4.9 to 1



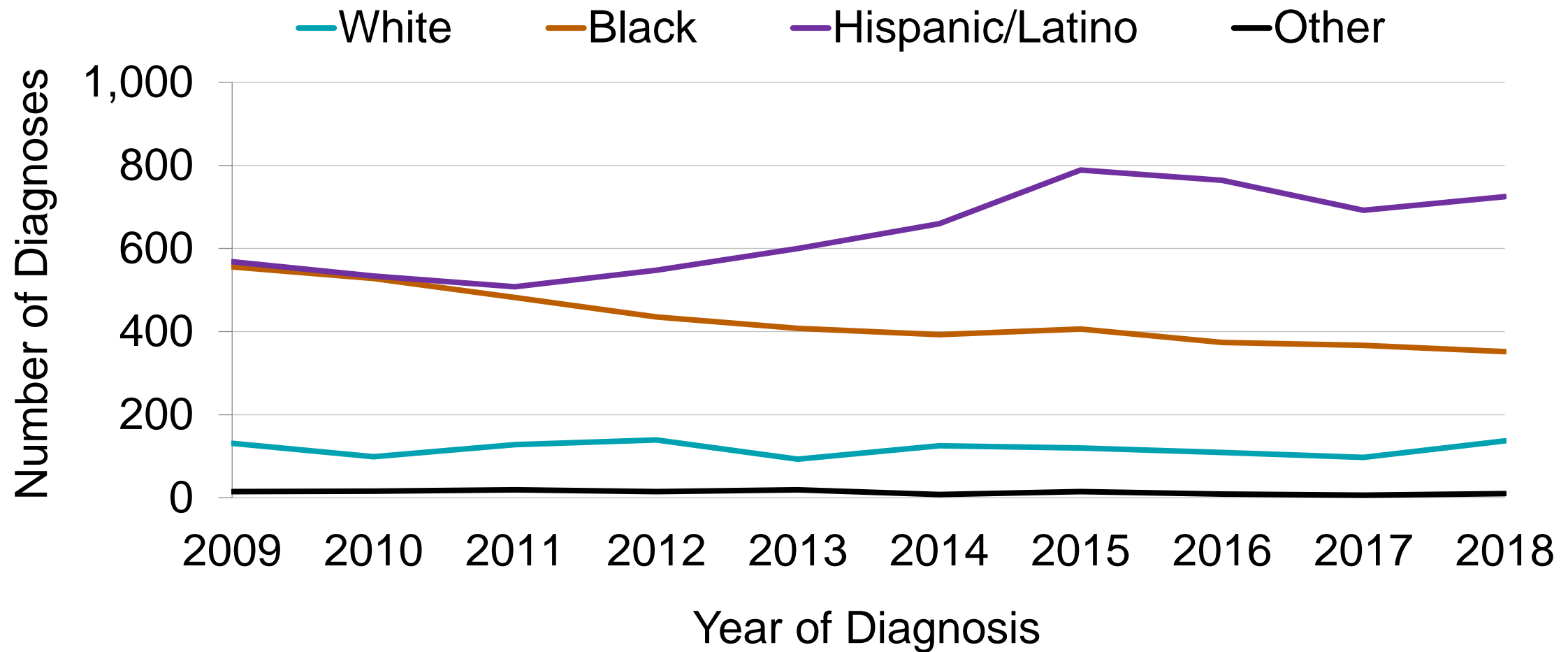
Adult (Age 13+) AIDS Diagnoses, by Sex, 2009-2018, Miami-Dade County



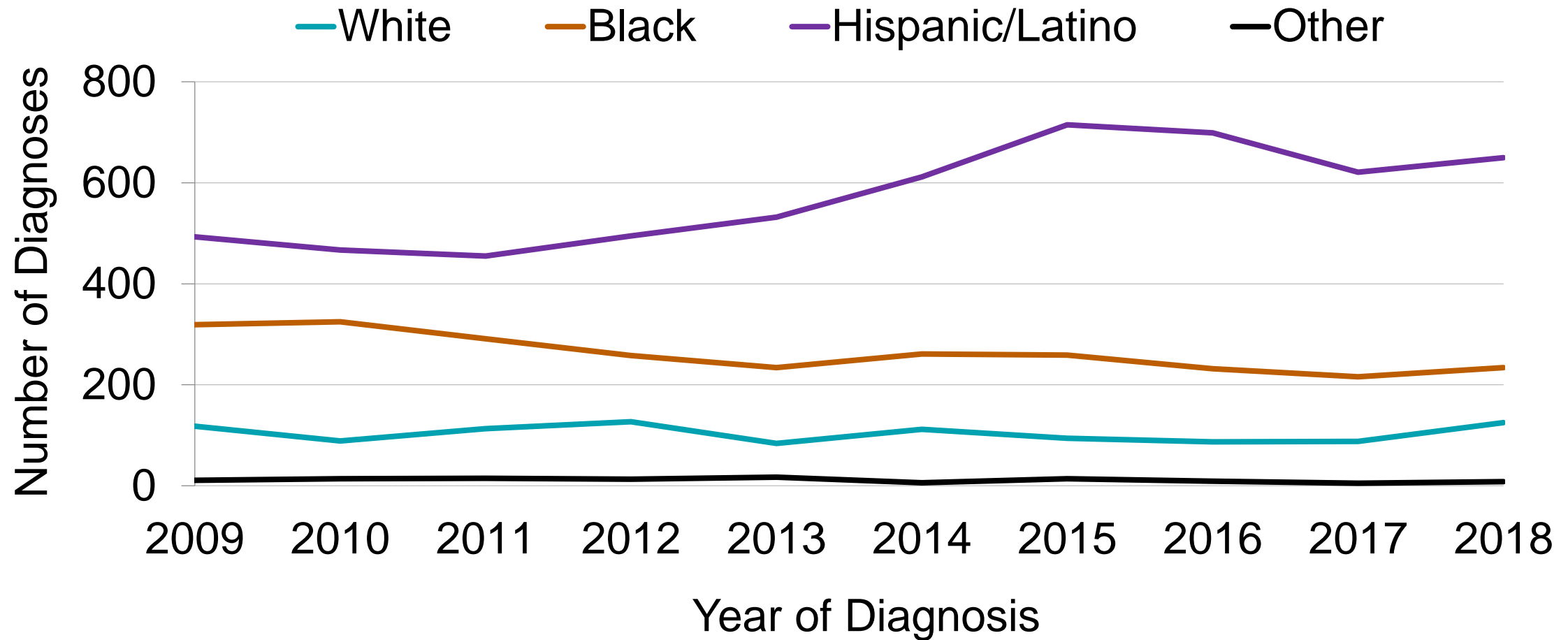
Adult (Age 13+) HIV and AIDS Cases by Sex, 2018, Miami-Dade County



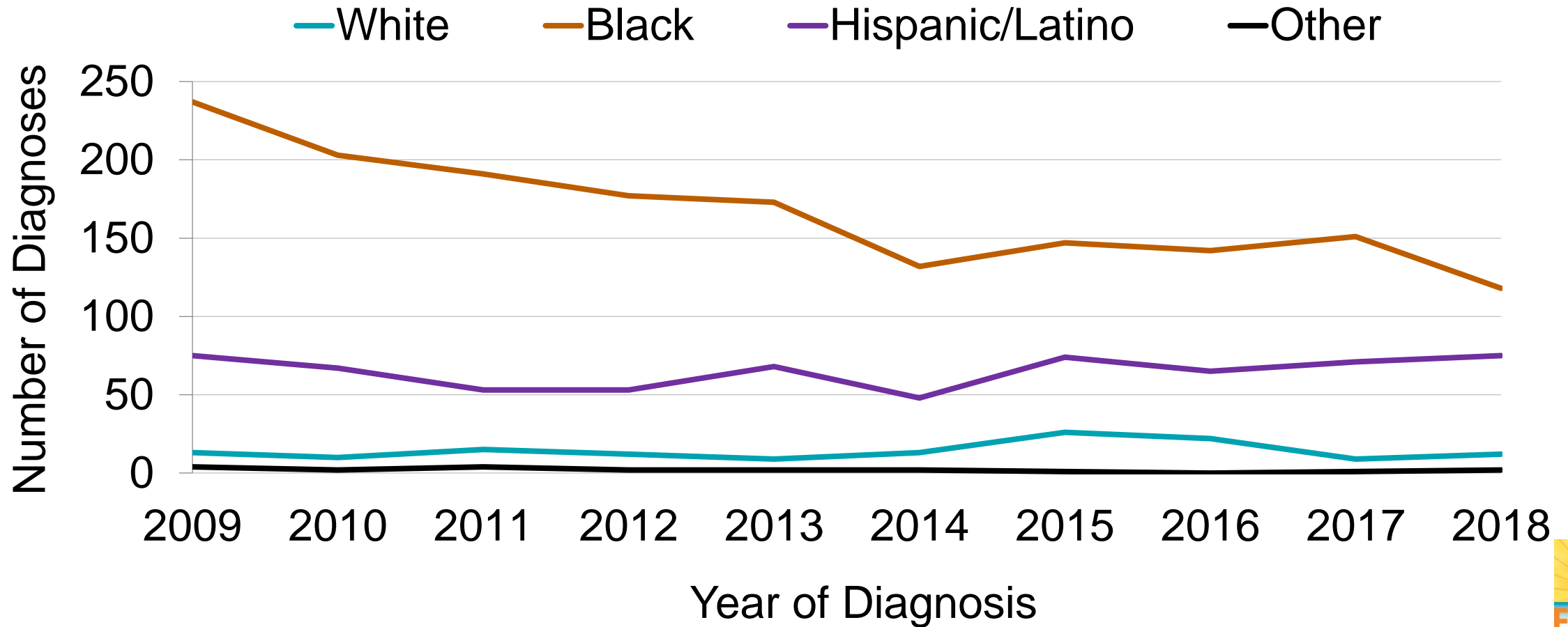
Adult (Age 13+) HIV Diagnoses by Race/Ethnicity, 2009–2018, Miami-Dade County



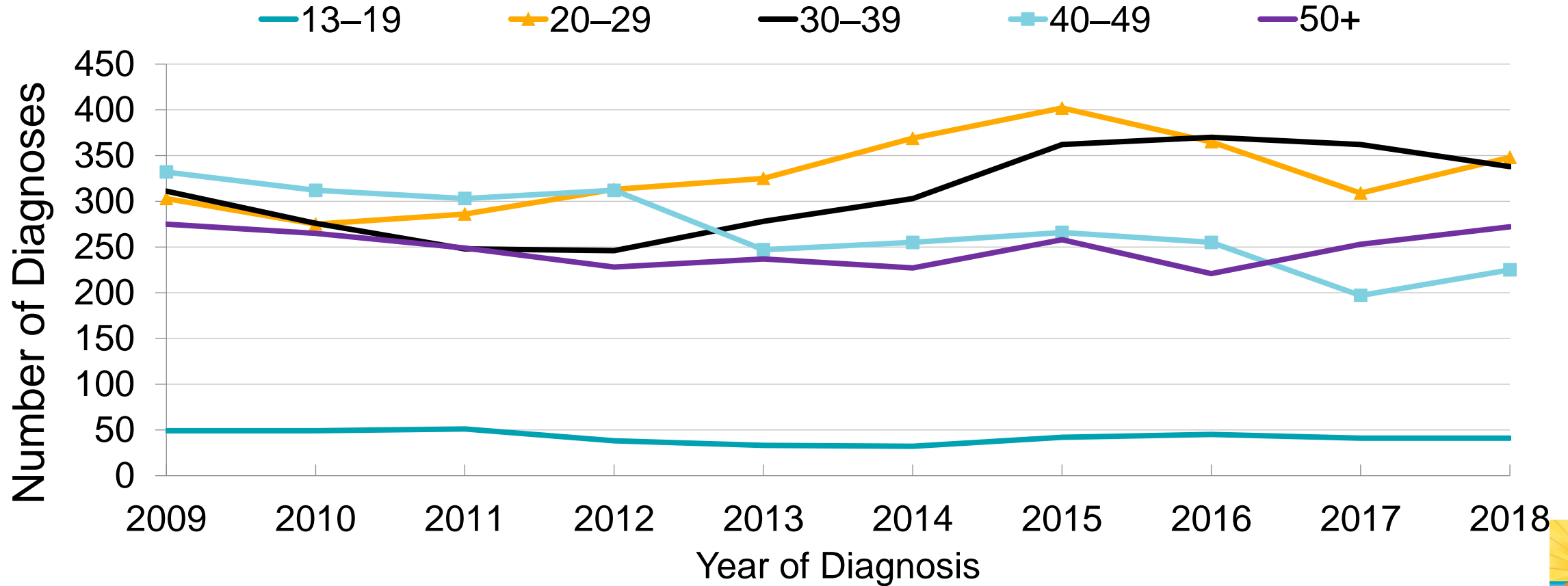
Adult (Age 13+) Male HIV Diagnoses by Race/Ethnicity, 2009–2018, Miami-Dade County



Adult (Age 13+) Female HIV Diagnoses by Race/Ethnicity, 2009–2018, Miami-Dade County

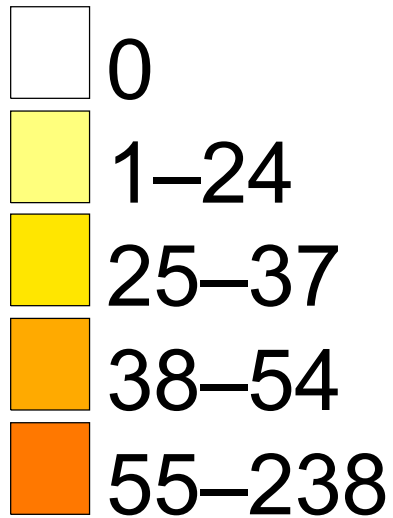


Adult (Age 13+) HIV Diagnoses, by Age Group at Diagnosis, 2009–2018, Miami-Dade County

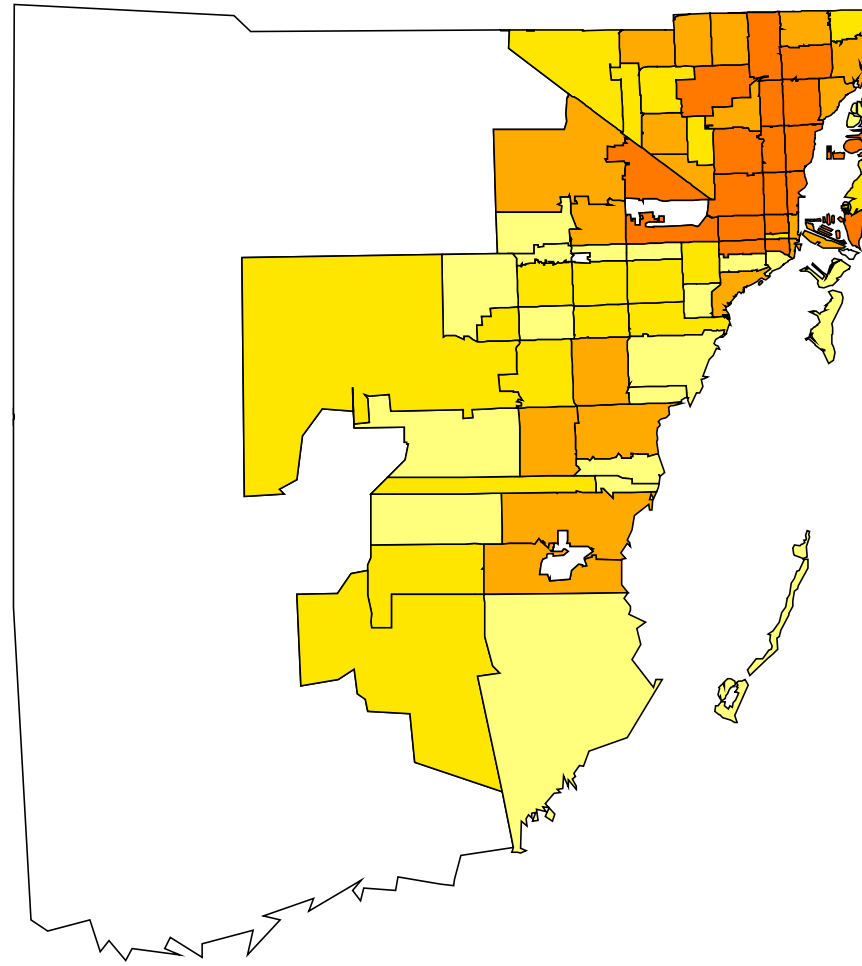


Adult (Age 13+) HIV Diagnoses¹ by ZIP Code of Residence of Diagnosis, 2016–2018, Miami-Dade County

HIV Diagnoses

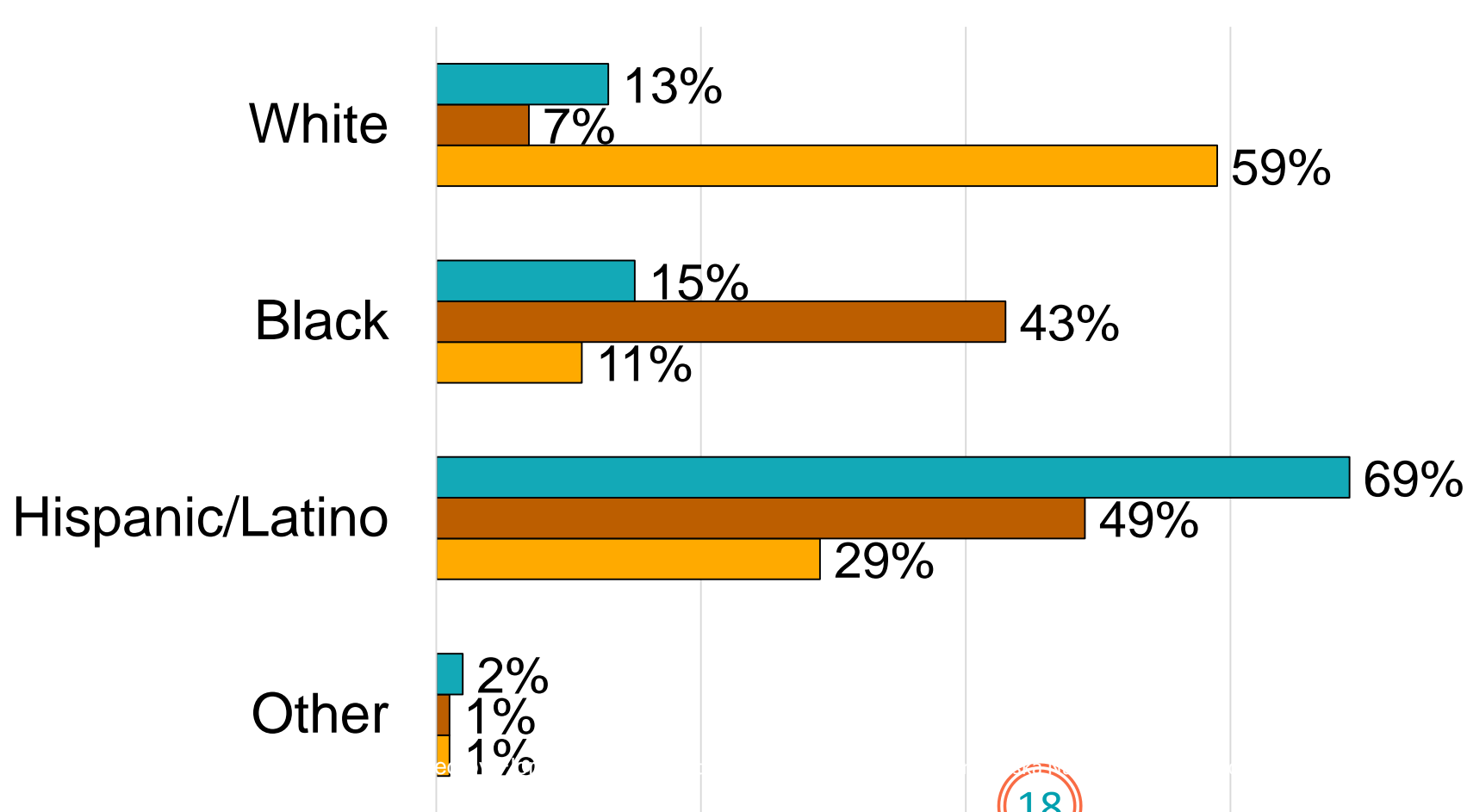


N=3,630



Percentage of Adult (Age 13+) HIV and AIDS Diagnoses and Population¹, by Race/Ethnicity, 2018, Miami-Dade County

Population AIDS HIV



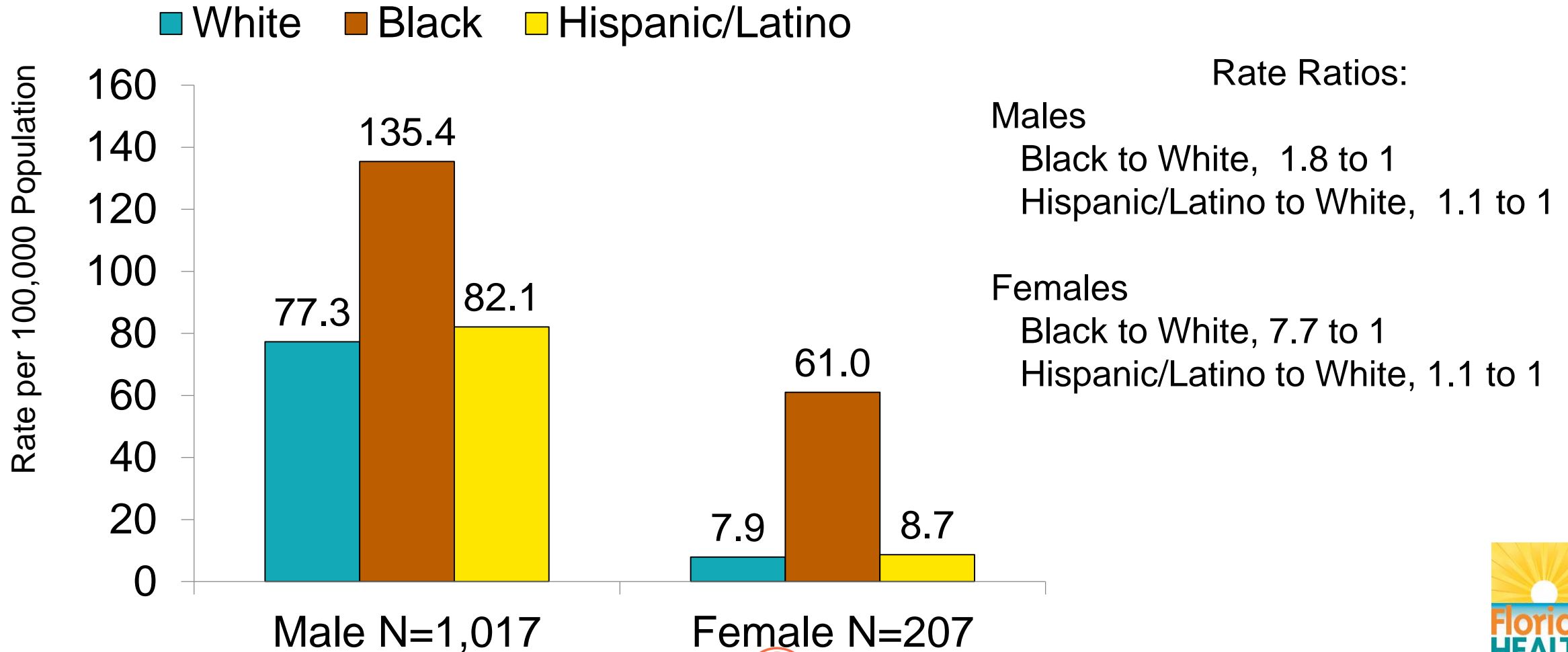
HIV
N=1,224
Miami-Dade County Adult
Population Estimates
N=2,394,118

AIDS
N=402

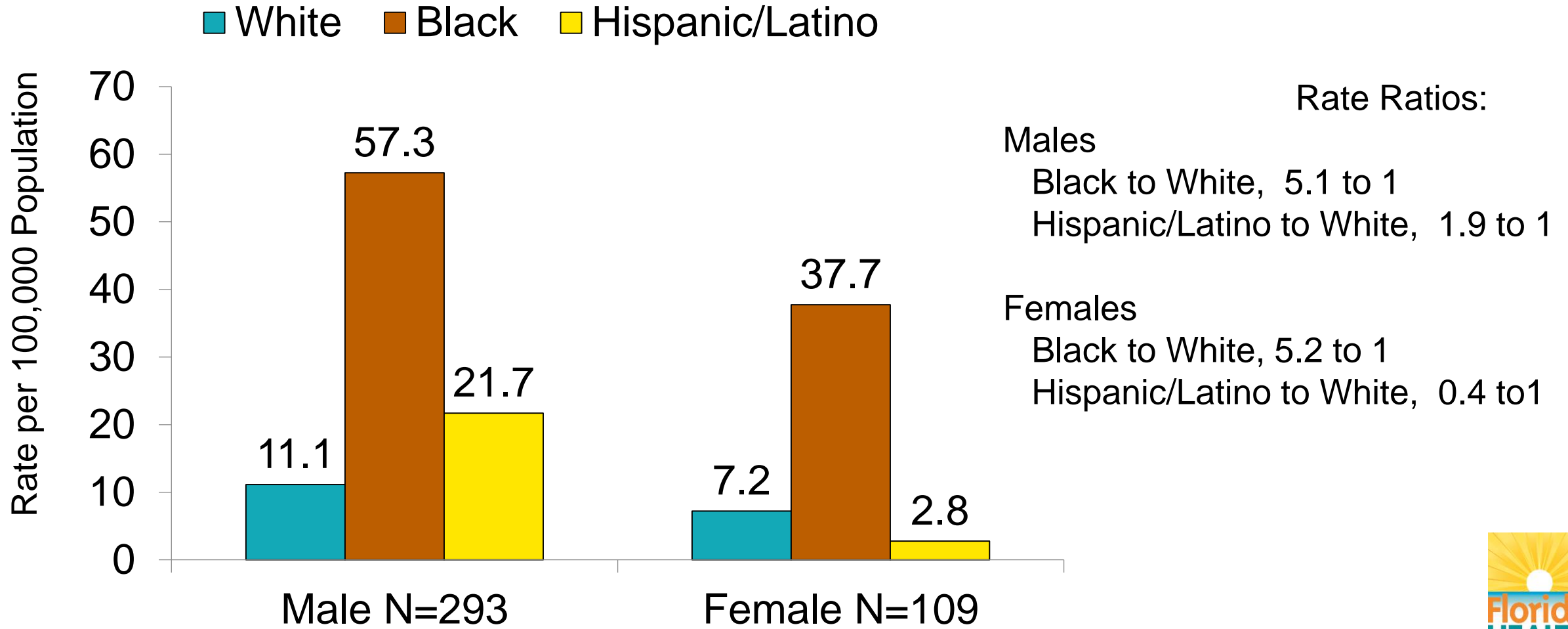


¹Source: Population data are provided by Florida CHARTS. Other includes American Indian/Alaska Native, Asian/Pacific Islander, and multi-racial.

Adult (Age 13+) HIV Diagnoses Rates¹ by Sex and Race/Ethnicity, 2018, Miami-Dade County

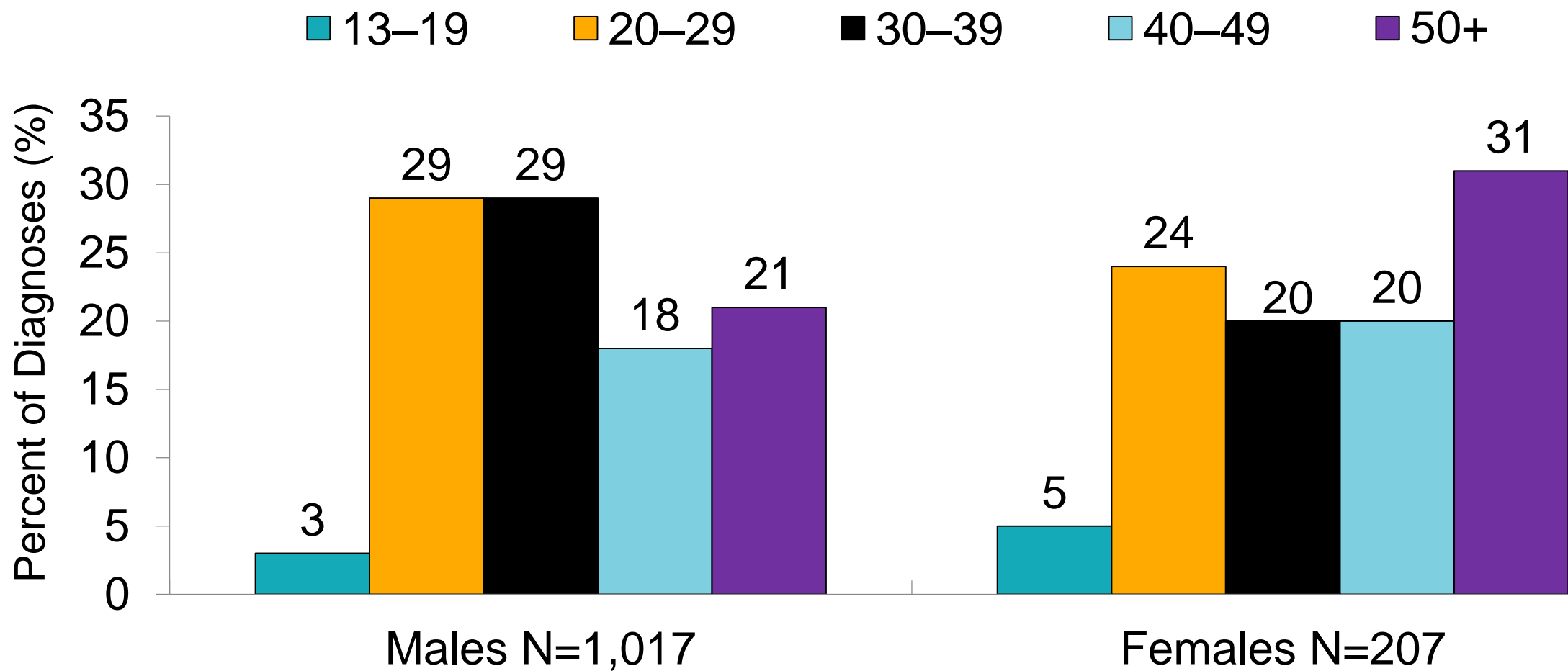


Adult (Age 13+) AIDS Diagnoses Rates¹ by Sex and Race/Ethnicity, 2018, Miami-Dade County

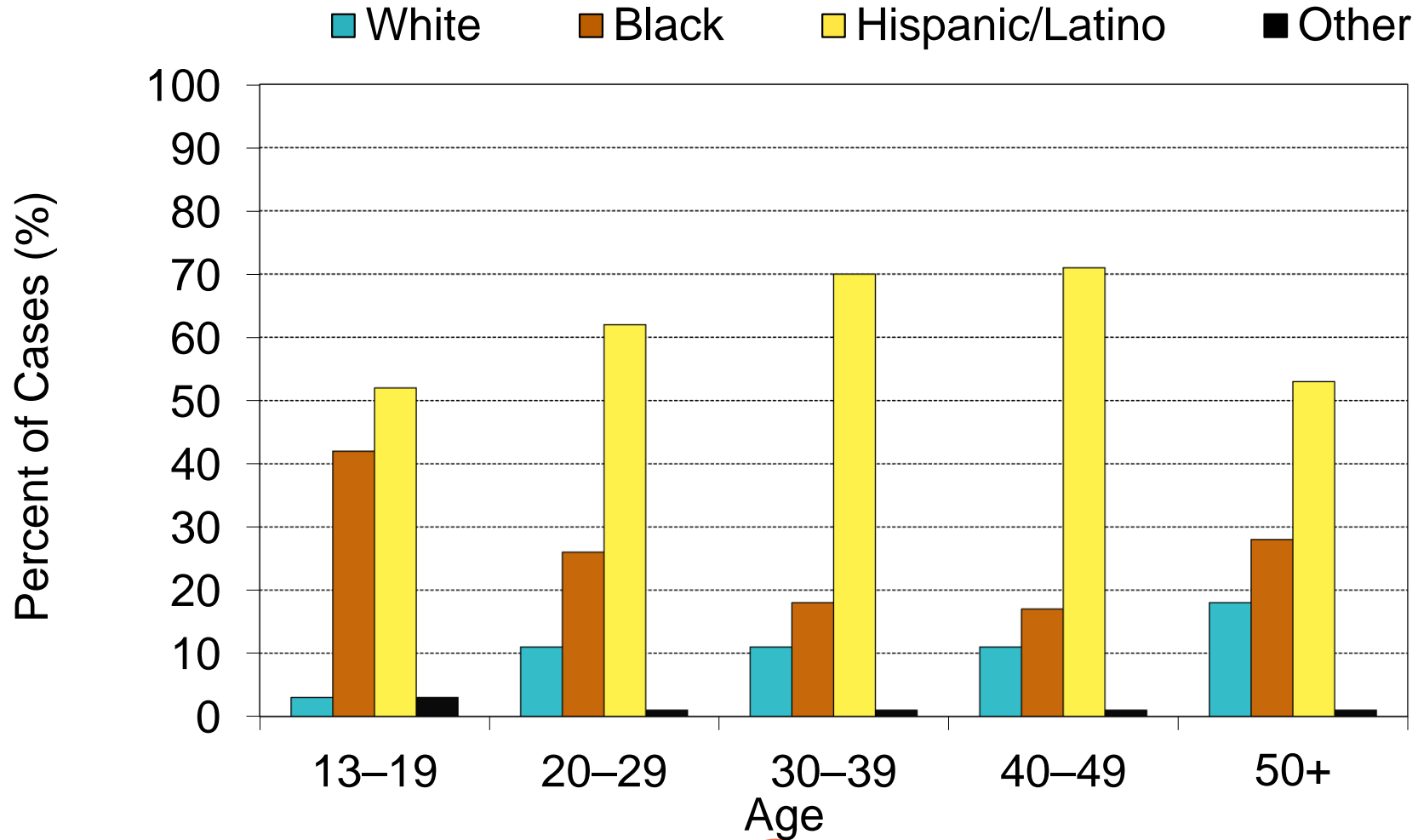


¹Population data are provided by Florida CHARTS

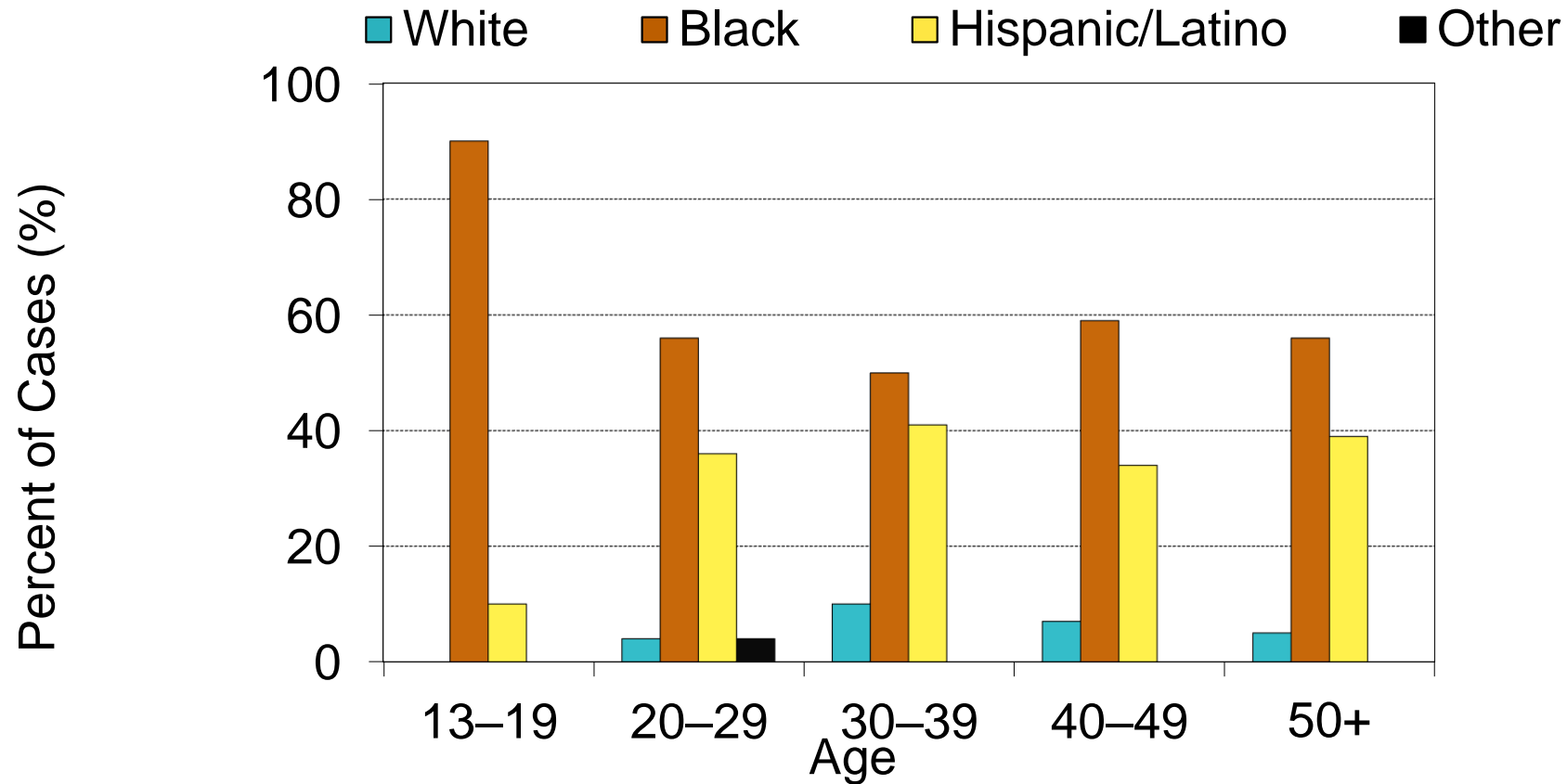
Adult (Age 13+) HIV Diagnoses, by Sex and Age at Diagnosis, 2018, Miami-Dade, Florida



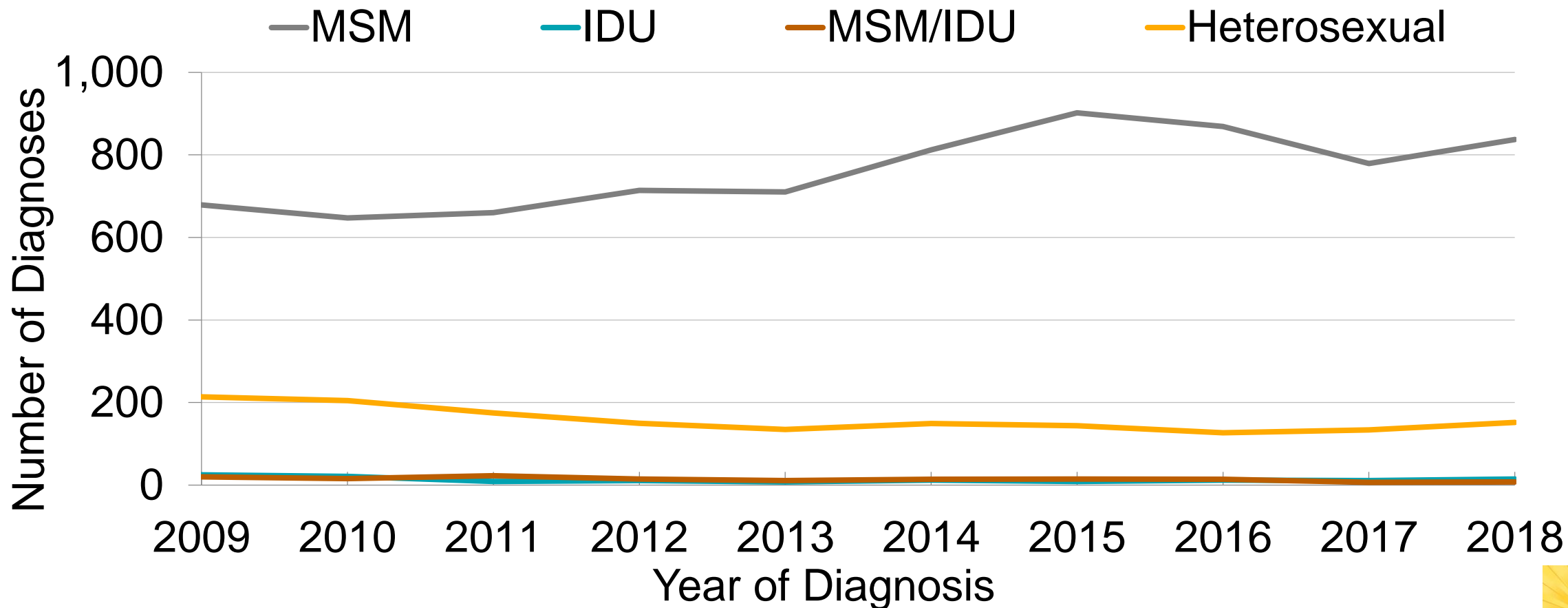
Adult (Age 13+) Male HIV Cases by Race/Ethnicity and Age at Diagnosis, 2018, Miami-Dade County



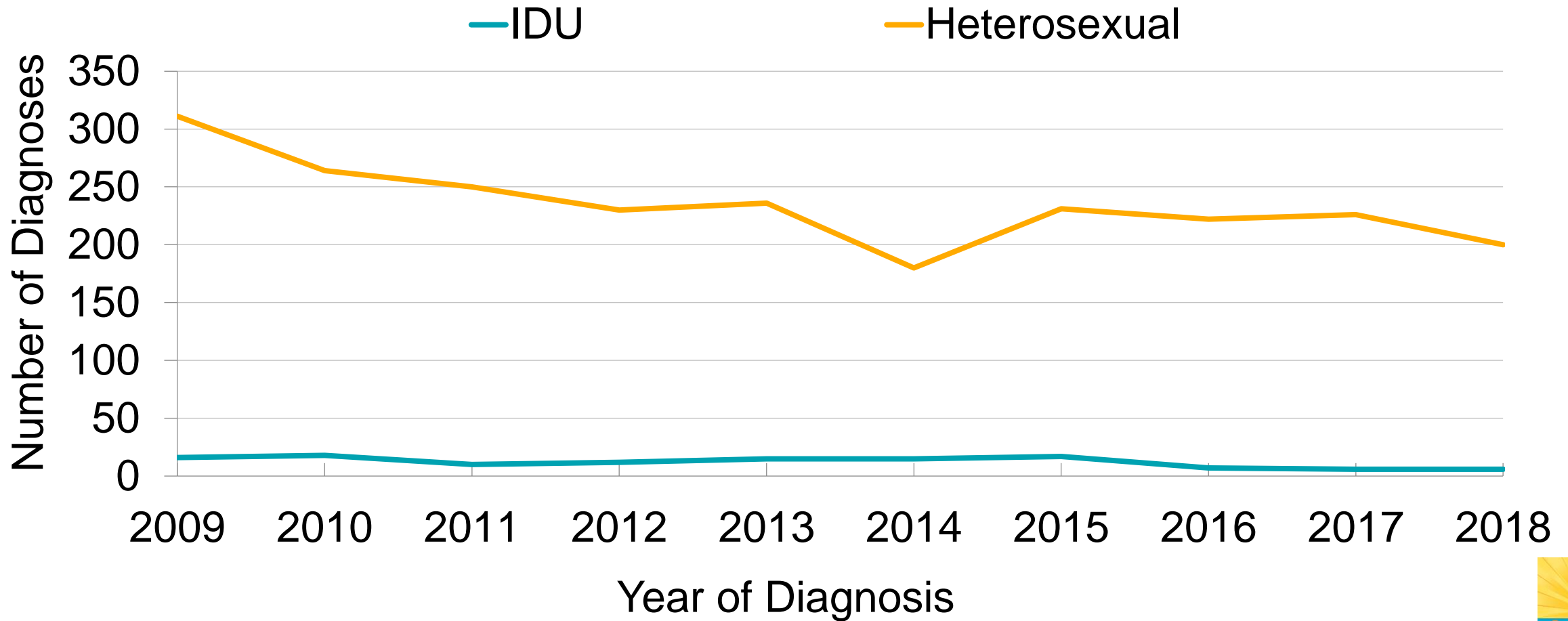
Adult (Age 13+) Female HIV Cases by Race/Ethnicity and Age at Diagnosis, 2018, Miami-Dade County



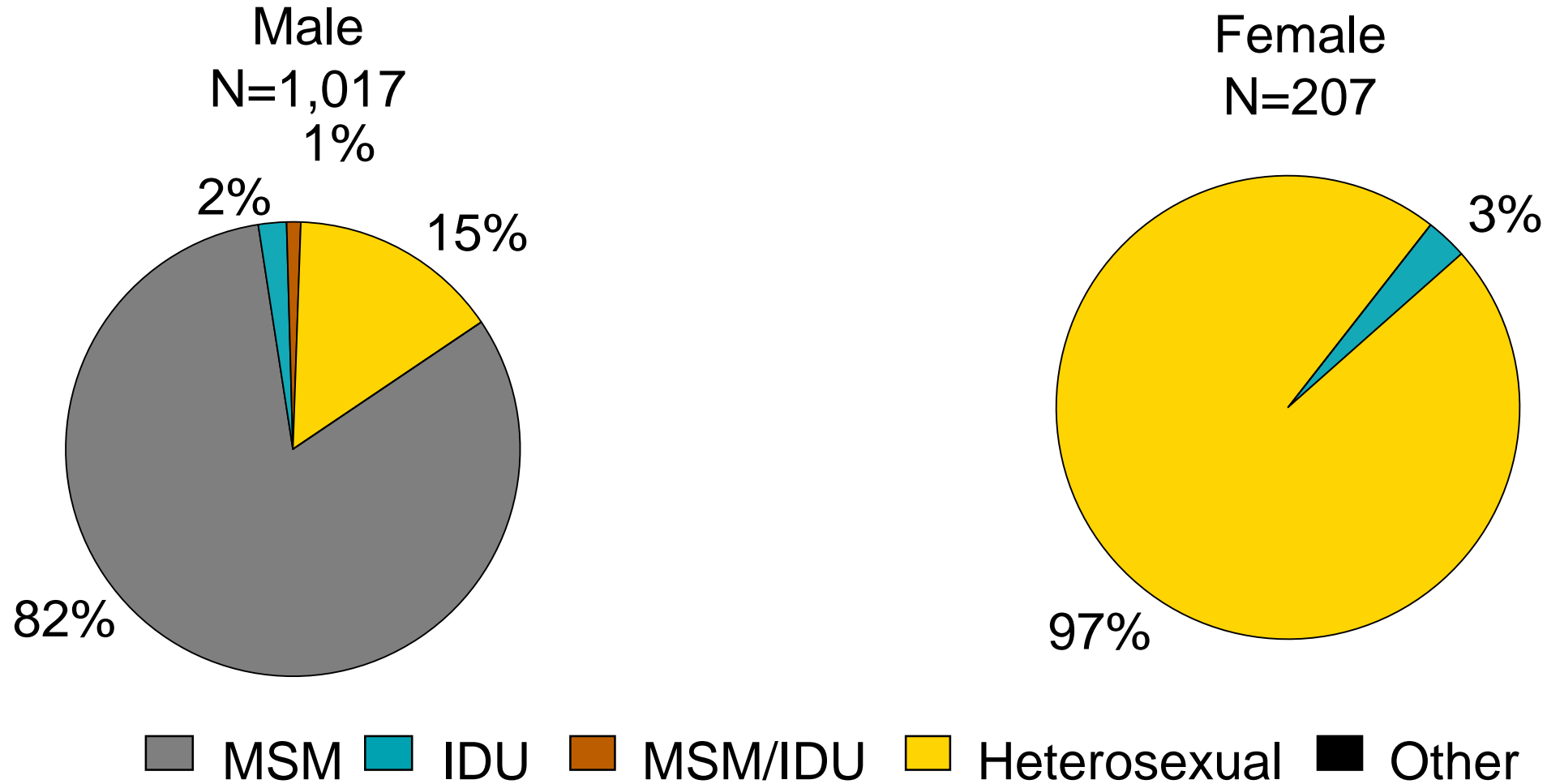
Adult (Age 13+) Male HIV Diagnoses, by Mode of Exposure, 2009–2018, Miami-Dade County



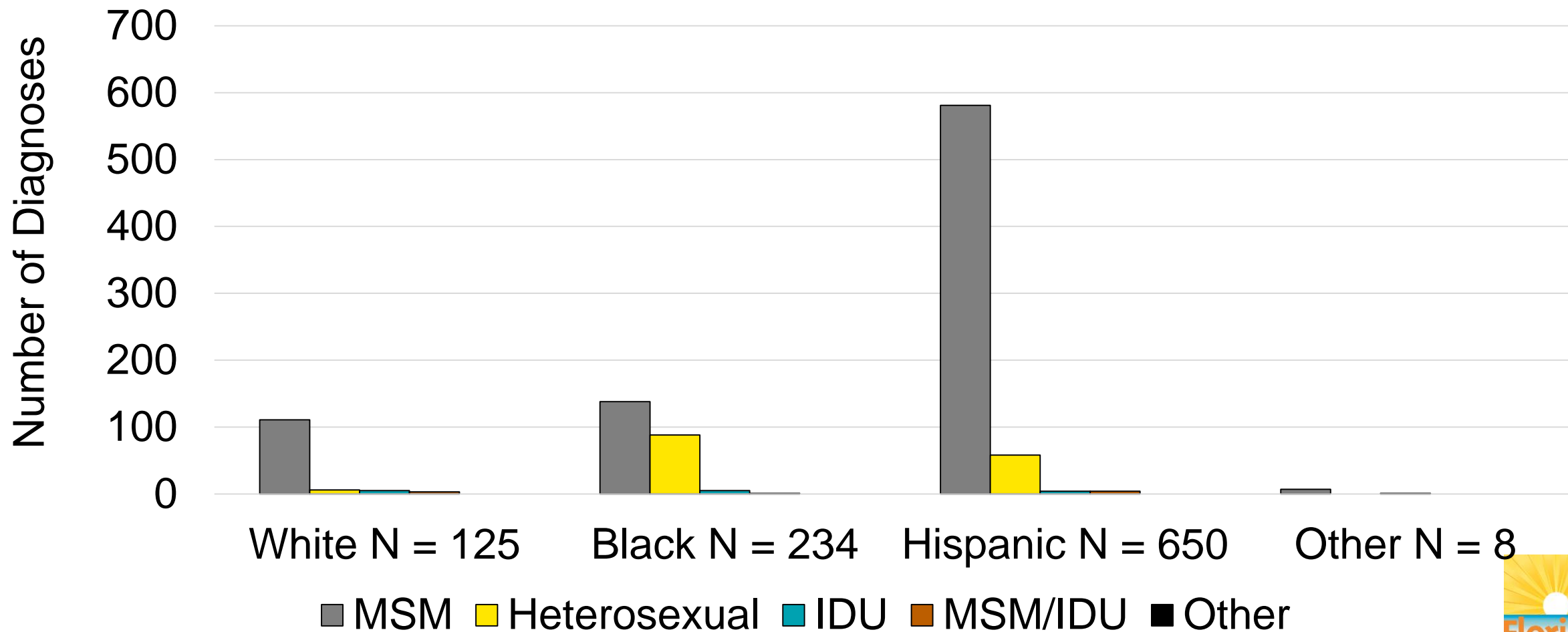
Adult (Age 13+) Female HIV Diagnoses, by Mode of Exposure, 2009–2018, Miami-Dade County



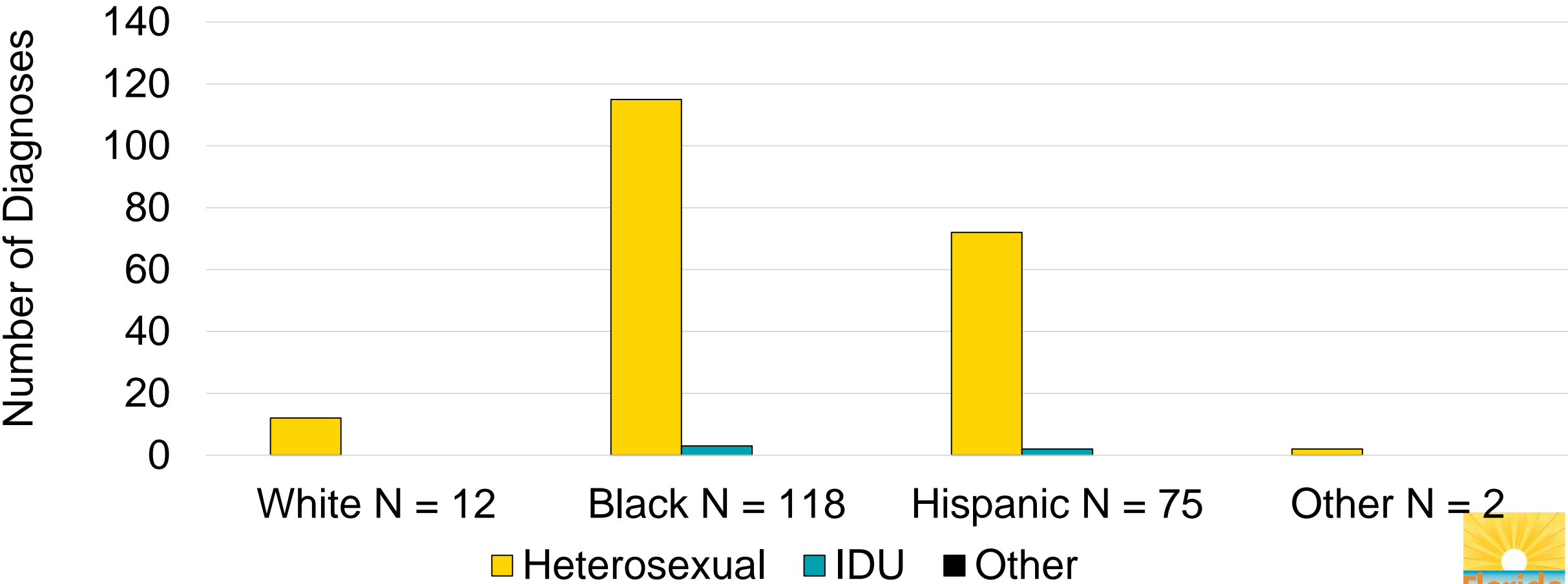
Adult (Age 13+) HIV Diagnoses for Males and Females, by Mode of Exposure, 2018, Miami-Dade County



Adult (Age 13+) Male HIV Diagnoses, by Race/Ethnicity and Mode of Exposure, 2018, Florida



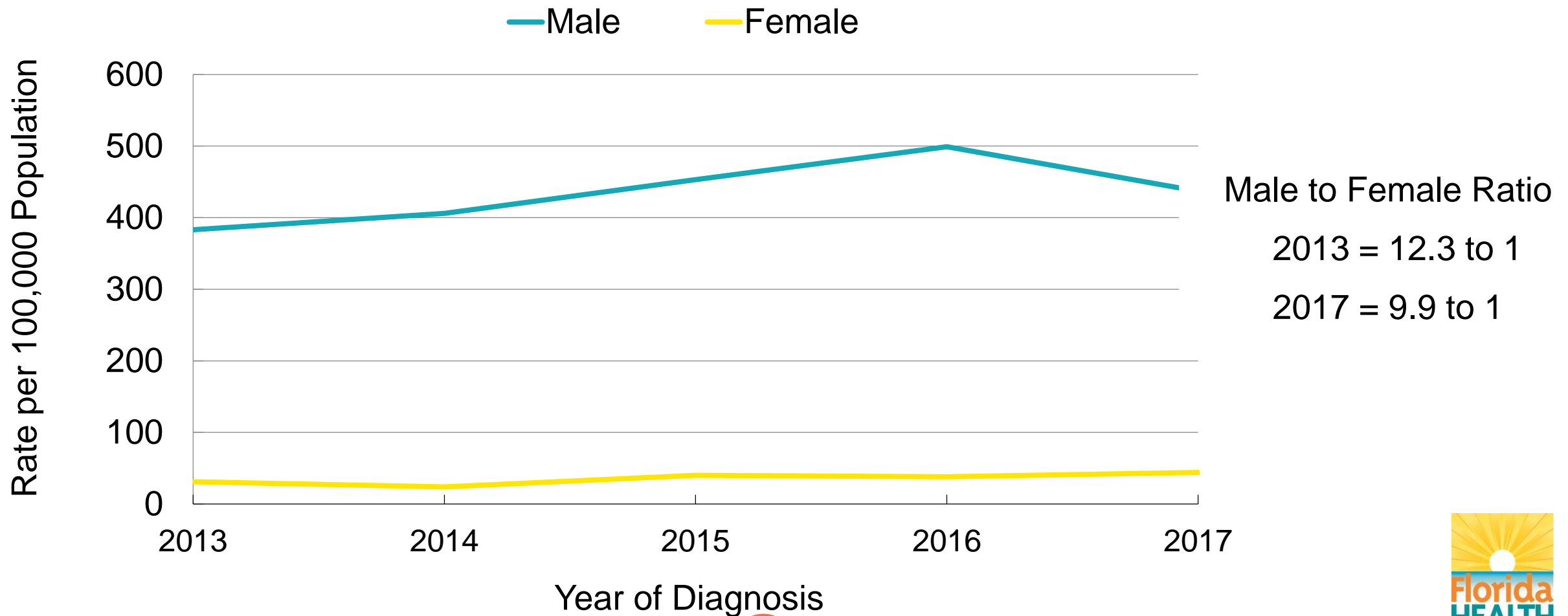
Adult (Age 13+) Female HIV Diagnoses, by Race/Ethnicity and Mode of Exposure, 2018, Florida



Men who have sex with men (MSM), MSM/Injection Drug Use (IDU), and heterosexual data excludes transgender persons. Other includes American Indian/Alaska Native, Asian/Pacific Islander, and multi-racial.

HIV Co-morbidity Data

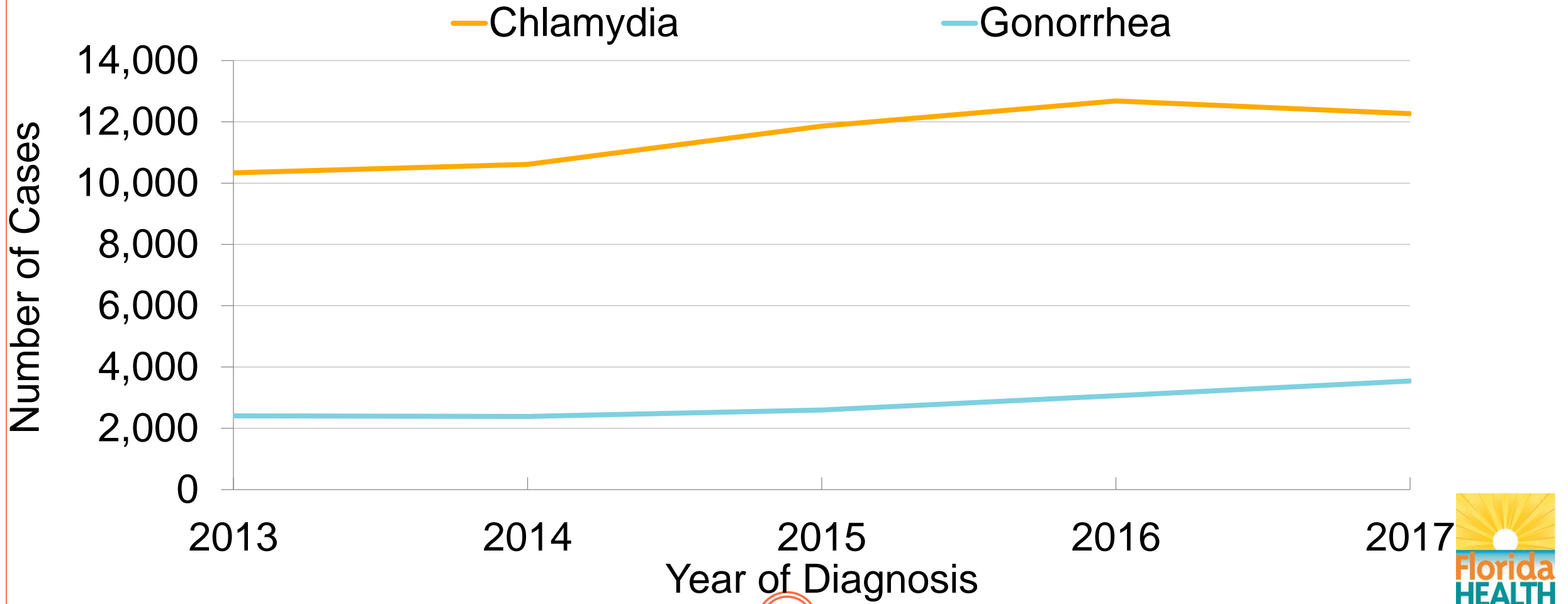
Adult (Age 13+) Early Syphilis¹ Diagnosis Rates² by Sex, 2013–2017, Miami-Dade County



Adult (Age 13+) HIV Diagnoses with STD by Type and Year of STD Report, 2013–2017, Miami-Dade County

Years of STD Report	HIV/Syphilis	HIV/Chlamydia	HIV/Gonorrhea
2013	177	334	261
2014	198	377	309
2015	210	426	374
2016	238	487	461
2017	168	595	590

Adult (Age 13+) Chlamydia and Gonorrhea¹ Diagnoses, 2013–2017, Miami-Dade County



Adult (Age 13+) AIDS Diagnoses with TB¹ by Year of TB Report², 2014–2018, Miami-Dade County

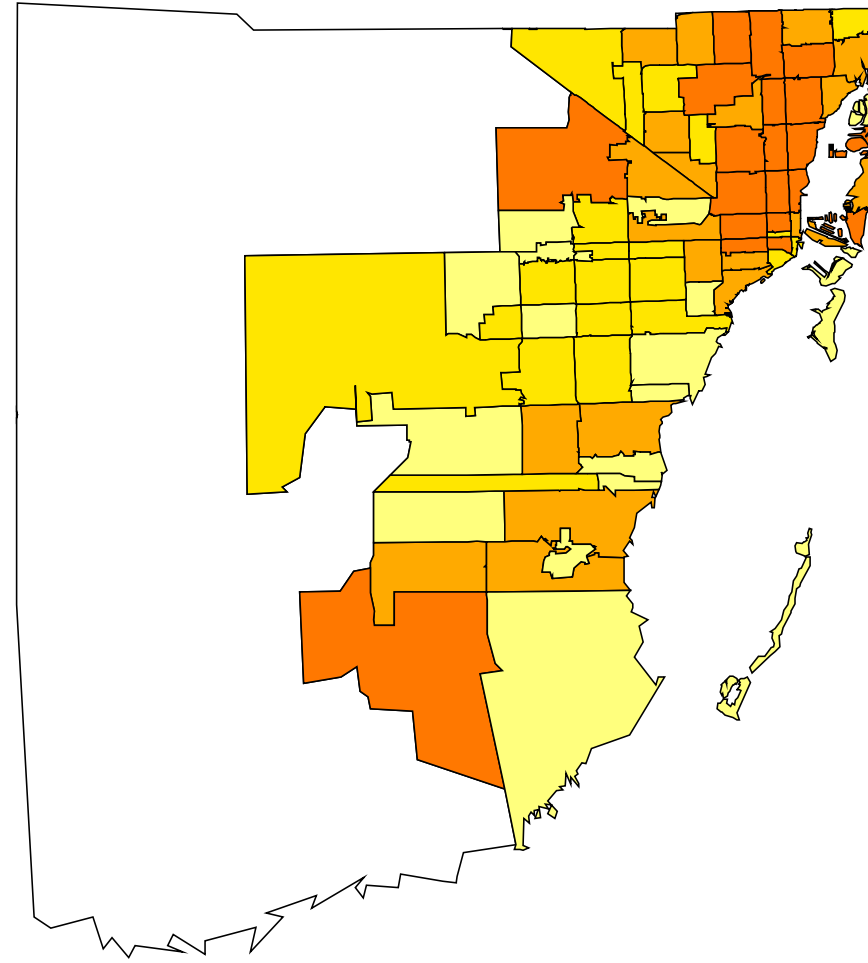
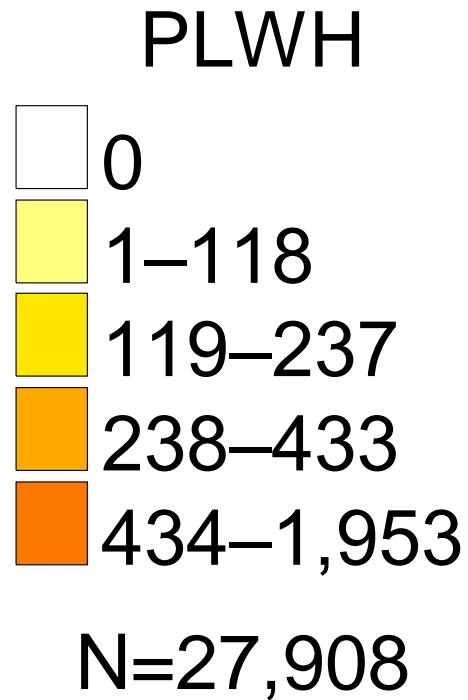
Years of TB Report	TB/HIV
2014	17
2015	18
2016	13
2017	7
2018	10



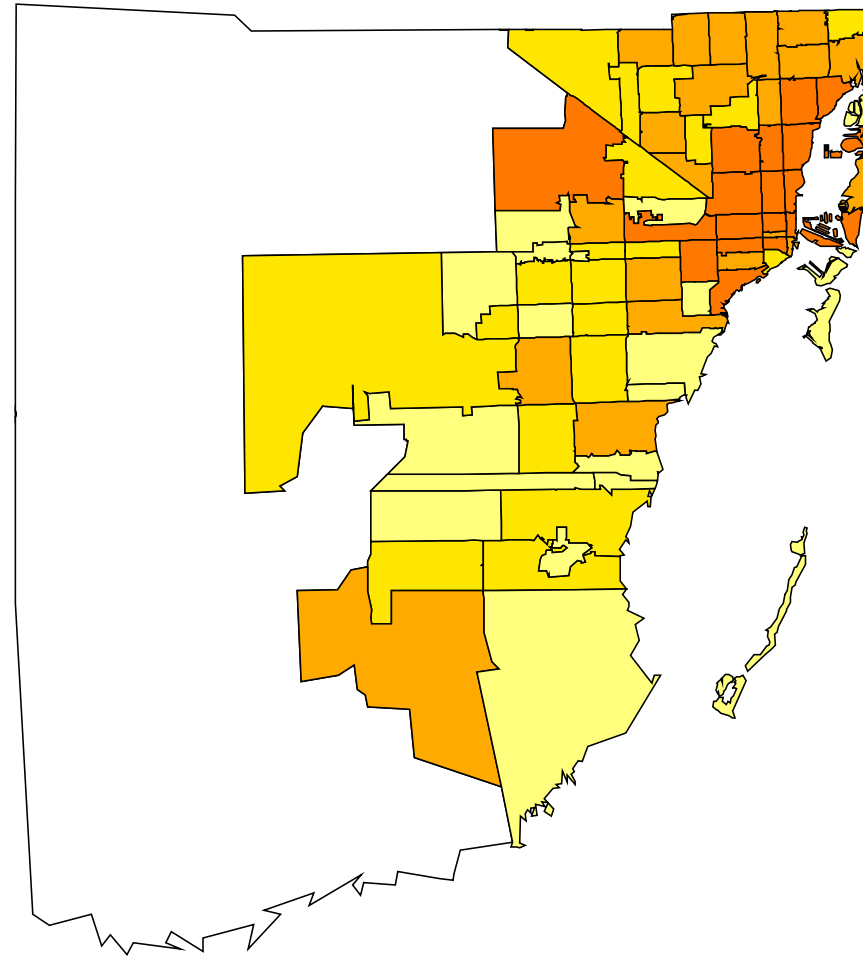
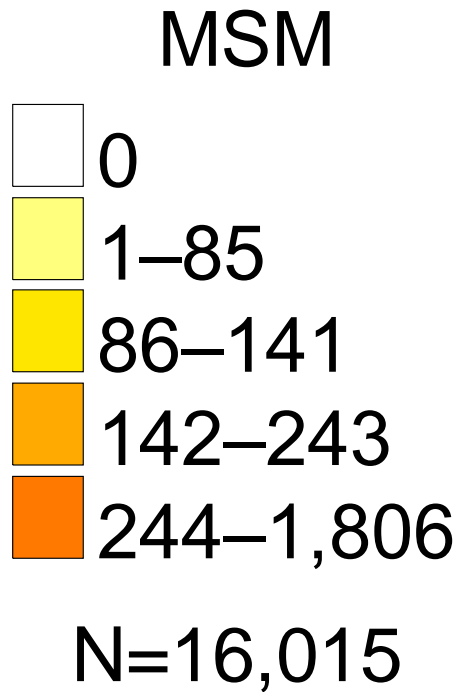
HIV Prevalence in Miami-Dade County



Adults (Age 13+) Living¹ with HIV by ZIP Code of Current Residence, Miami-Dade County, Year-end 2018



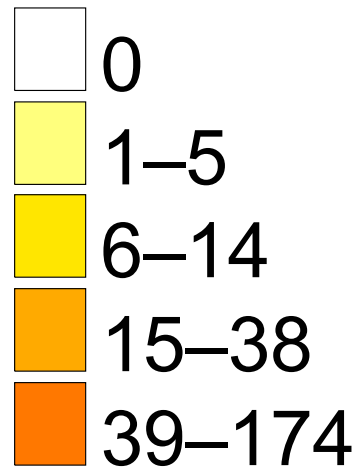
MSM¹ Living with HIV by Zip Code, Miami-Dade County, Year-end 2018



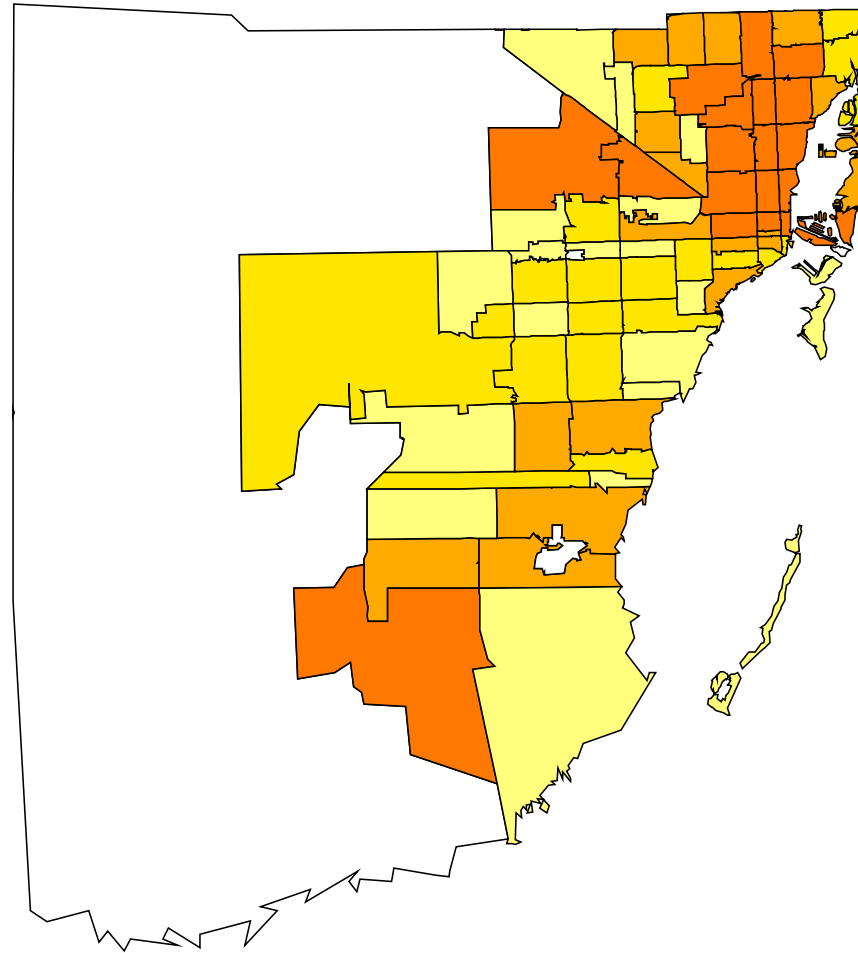
¹Includes MSM and MSM/IDU cases. Excludes homeless and cases with unknown Zip Code. Data as of 6/30/2018

Person's Who Inject Drugs¹ Living with HIV by Zip Code, Miami-Dade County, Year-end 2018

Injection Drug Use

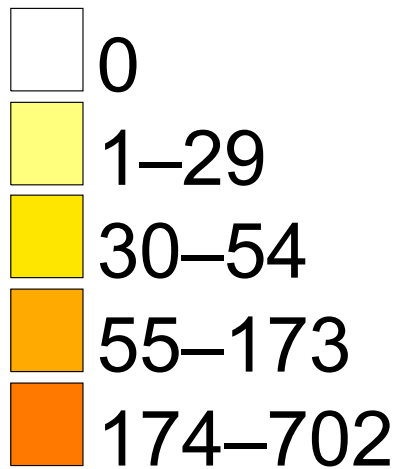


N=2,311

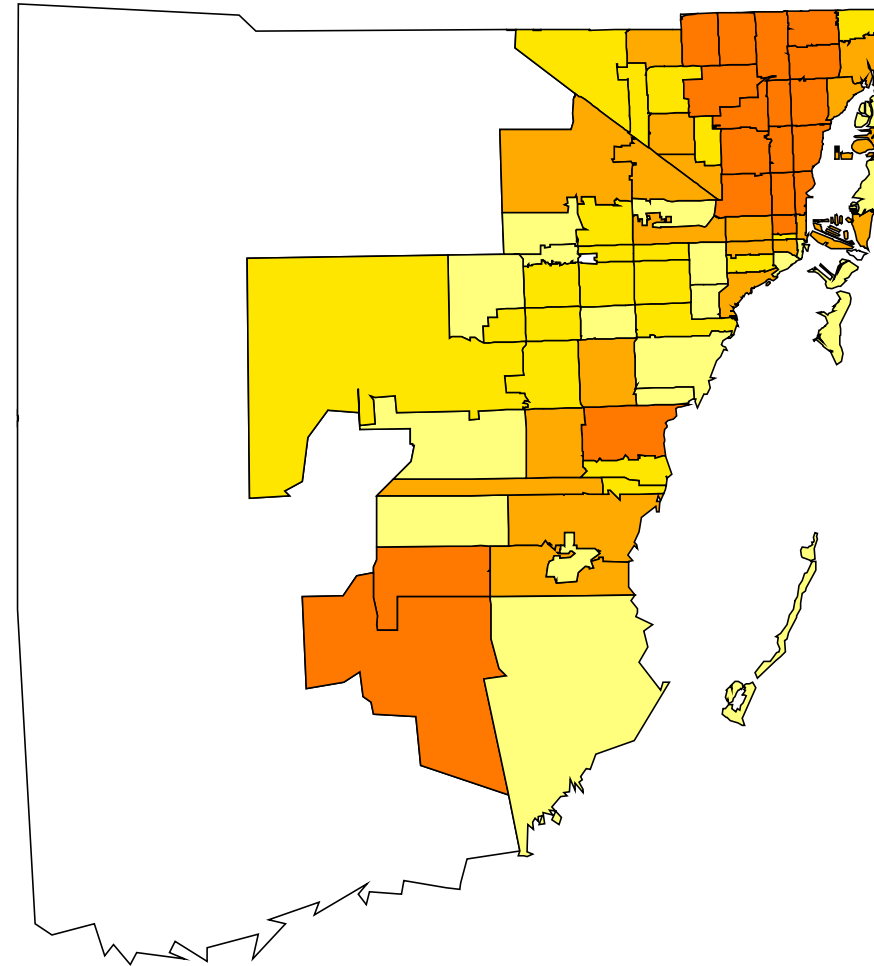


Adult (Age 13+) Heterosexuals Living¹ with HIV by Zip Code, Miami-Dade County, Year-end 2018


Heterosexual Contact



N=9,941



One-In-Statements for Adults (Age 13+) Living with HIV in Miami-Dade County, Year-end 2018

-  **One in 85 adults in Miami-Dade County were known to be living with HIV**
-  **One in 103 Whites were living with HIV**
-  **One in 31 Blacks were living with HIV**
-  **One in 127 Hispanic/Latinos were living with HIV**

Adult (Age 13+) HIV Diagnoses, 2018, Miami-Dade County

	Male(#)	(%)	Female(#)	(%)	Total(#)	(%)
Race/Ethnicity						
White	11	78.6%	1	25.0%	12	66.7%
Black	0	0.0%	2	50.0%	2	11.1%
Hispanic/Latino	2	14.3%	1	25.0%	3	16.7%
Other	1	7.1%	0	0.0%	1	5.6%
Age Group						
13–19	0	0.0%	0	0.0%	0	0.0%
20–29	6	42.9%	0	0.0%	6	33.3%
30–39	3	21.4%	3	75.0%	6	33.3%
40–49	2	14.3%	0	0.0%	2	11.1%
50+	3	21.4%	1	25.0%	4	22.2%
Mode of Exposure						
MSM	13	92.9%	0	0.0%	13	72.2%
IDU	0	0.0%	1	25.0%	1	5.6%
MSM/IDU	0	0.0%	0	0.0%	0	0.0%
Heterosexual contact	1	7.1%	3	75.0%	4	22.2%
Transgender Sexual Contact	0	0.0%	0	0.0%	0	0.0%
Other risk	0	0.0%	0	0.0%	0	0.0%
Total						
Total	14	100.0%	4	100.0%	18	100.0%



¹All Female numbers and percent for MSM and MSN/IDU are shown as 0 and 0.0%. ²MSM, MSM/IDU and Heterosexual Data excludes Transgender Persons.

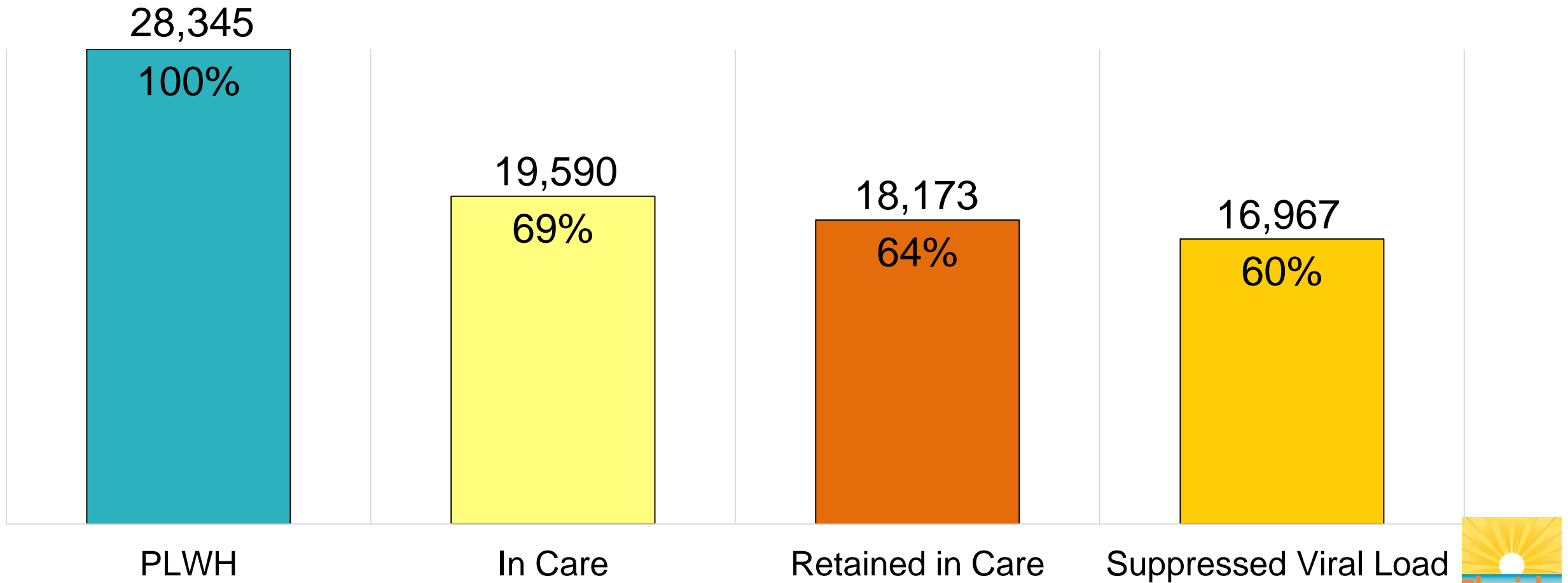
HIV Care in Miami-Dade County



HIV Care Continuum Definitions

- Persons Living with an HIV Diagnosis (PLWH):** The number of persons known to be living with an HIV diagnosis at the end of 2018, from data as of 6/30/2019
- In Care:** PLWH with at least one documented VL or CD4 lab, medical visit, or prescription from 1/1/2018 through 3/31/2019
- Retained in Care:** PLWH with two or more documented VL or CD4 labs, medical visits, or prescriptions at least three months apart from 1/1/2018 through 6/30/2019
- Suppressed Viral Load:** PLWH with a suppressed VL (<200 copies/mL) on the last VL from 1/1/2018 through 3/31/2019

Persons Living¹ with an HIV Diagnosis (PLWH) in Miami-Dade County along the HIV Care Continuum in 2018

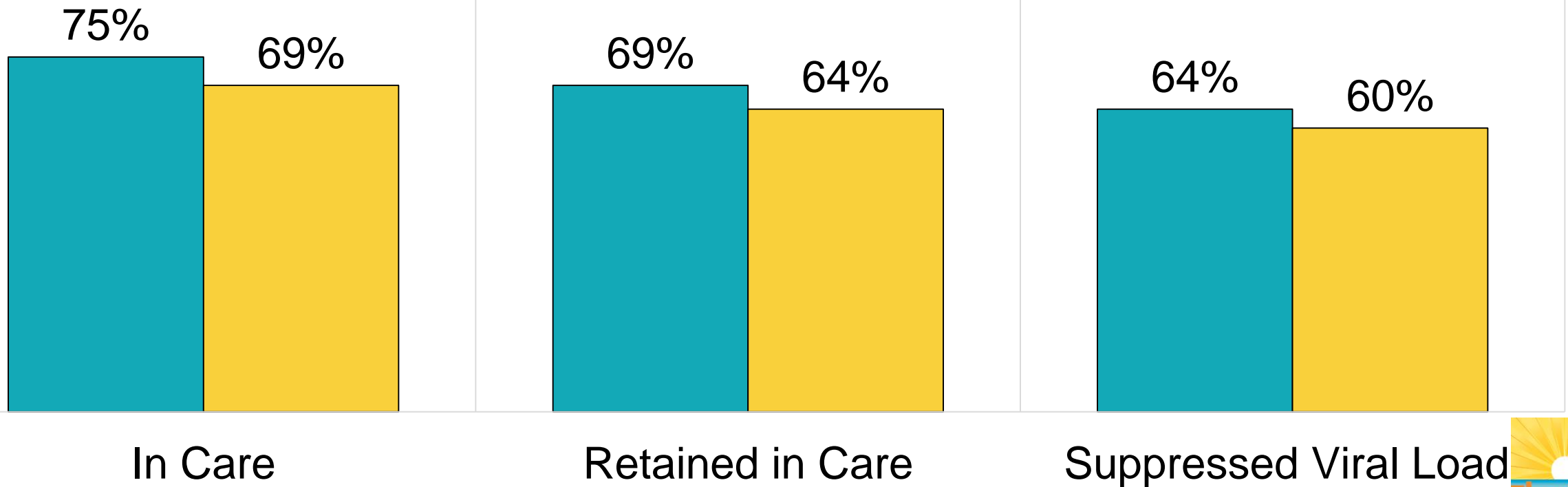


¹Excludes data from homeless and those with unknown Zip Code. Data as of 6/30/2019

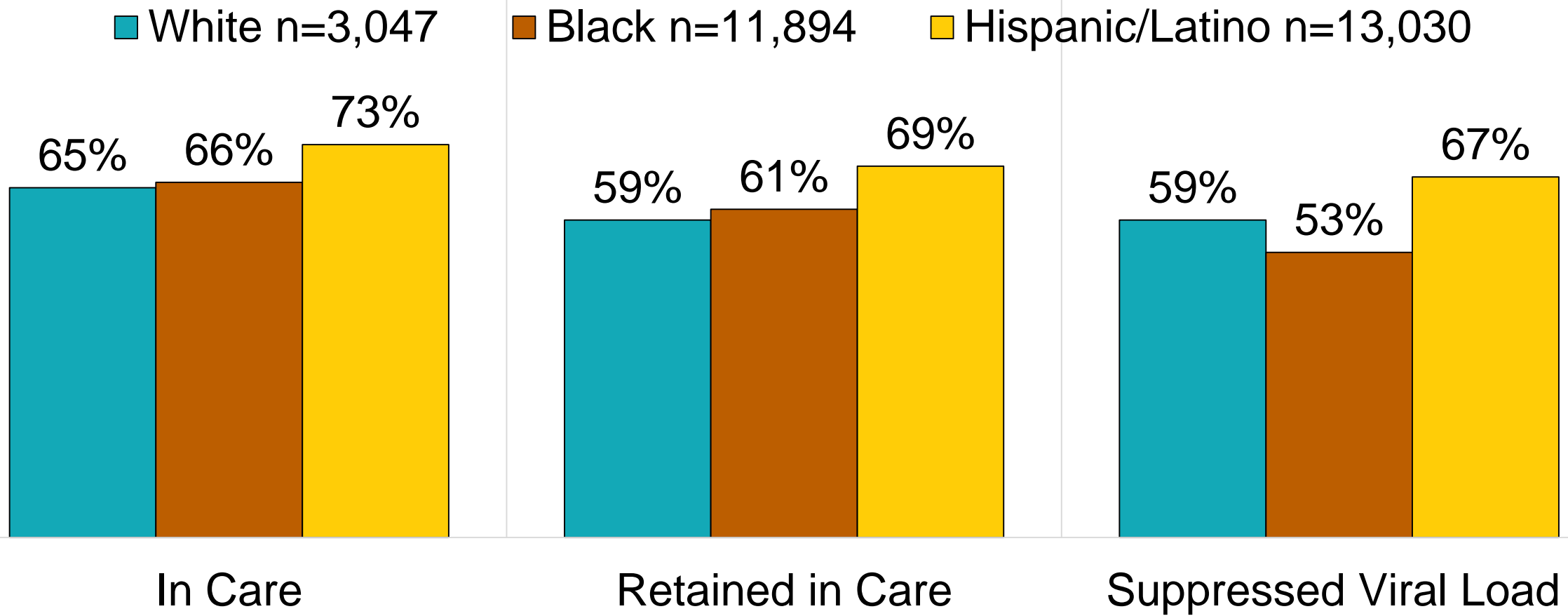
Persons Living with an HIV (PLWH) in Florida Compared to Miami-Dade County along the HIV Care Continuum in 2018

■ Florida n=119,661

■ Miami-Dade County n=28,345

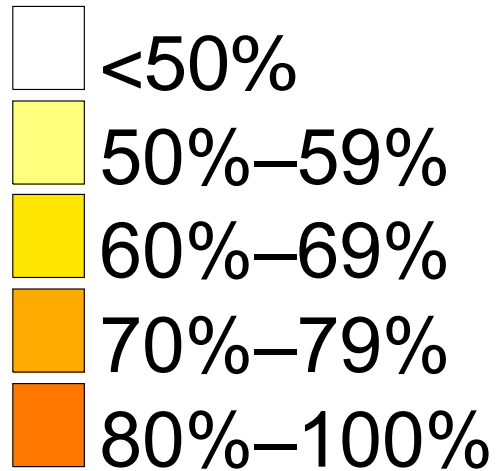


Persons Living with an HIV (PLWH) in Miami-Dade County by Race along the HIV Care Continuum in 2018

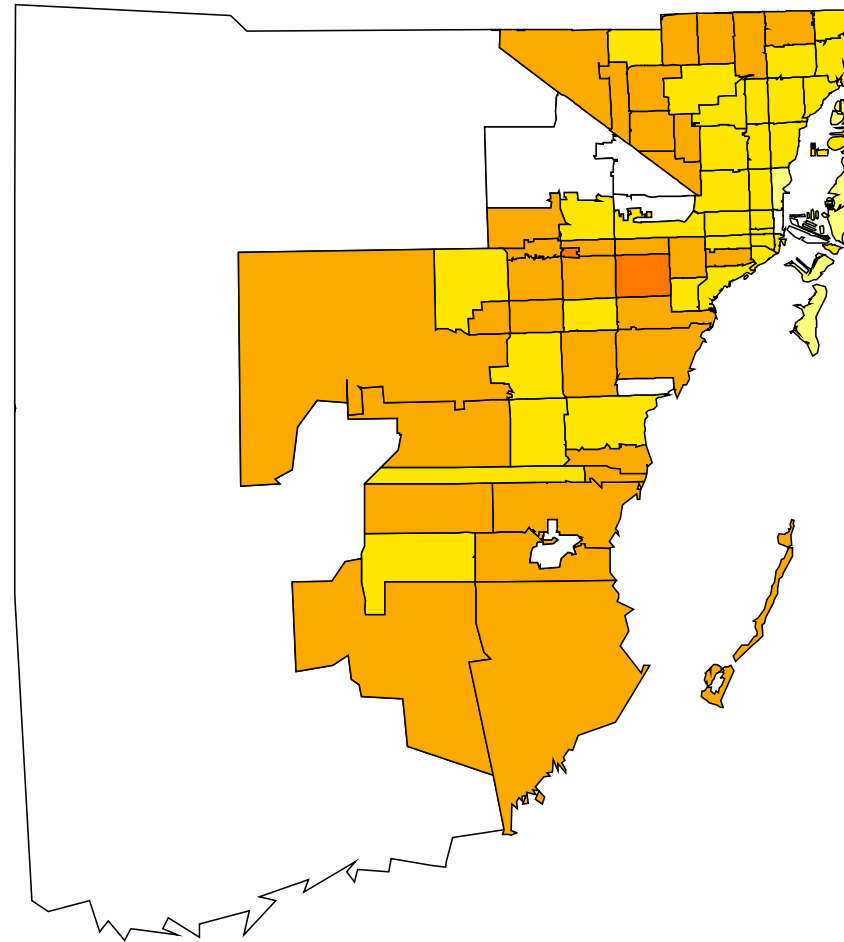


Percentage of Persons Living with HIV (PLWH) in Miami-Dade County, who were Retained in Care¹ in 2018

Retained in Care

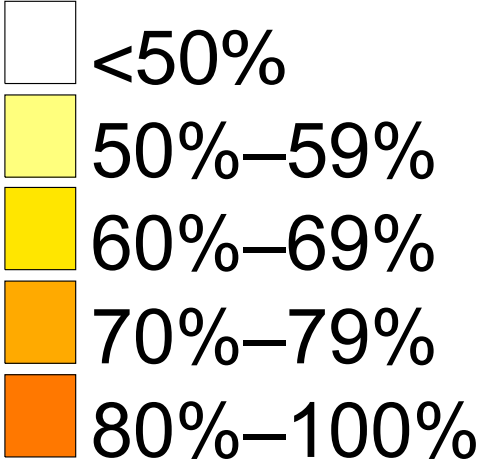


Overall 65%

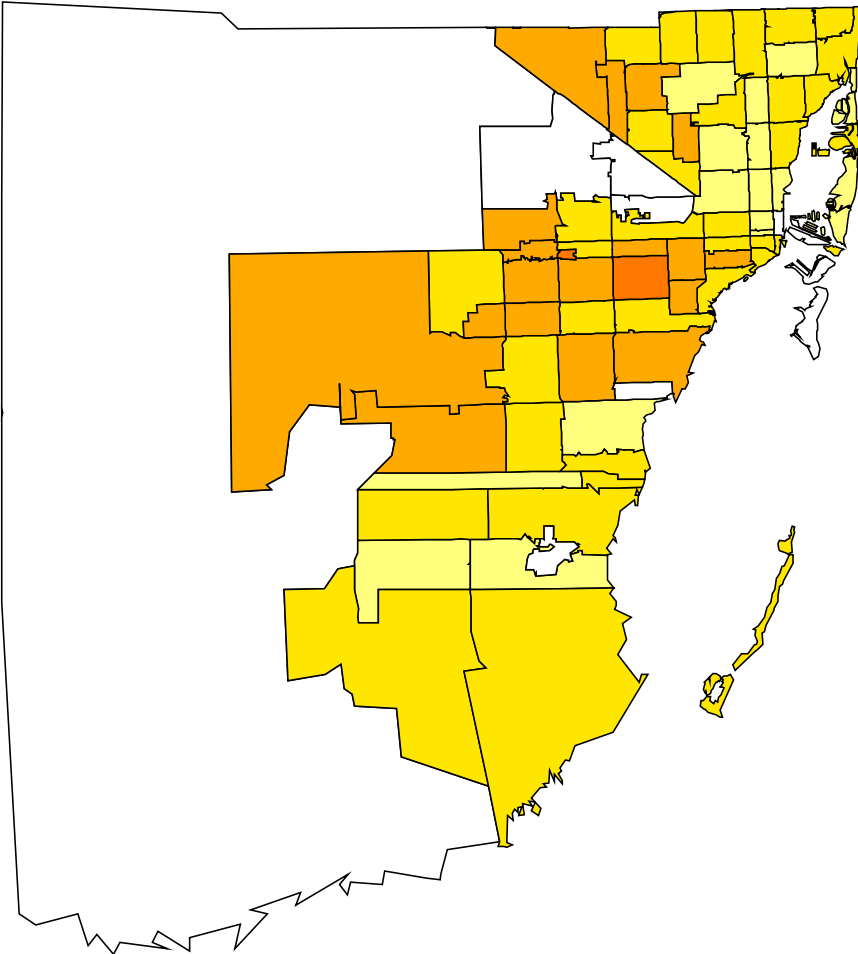


Percentage of Persons Living¹ with HIV (PLWH) in Miami-Dade County who had a Suppressed Viral Load (VL), 2018

Suppressed VL

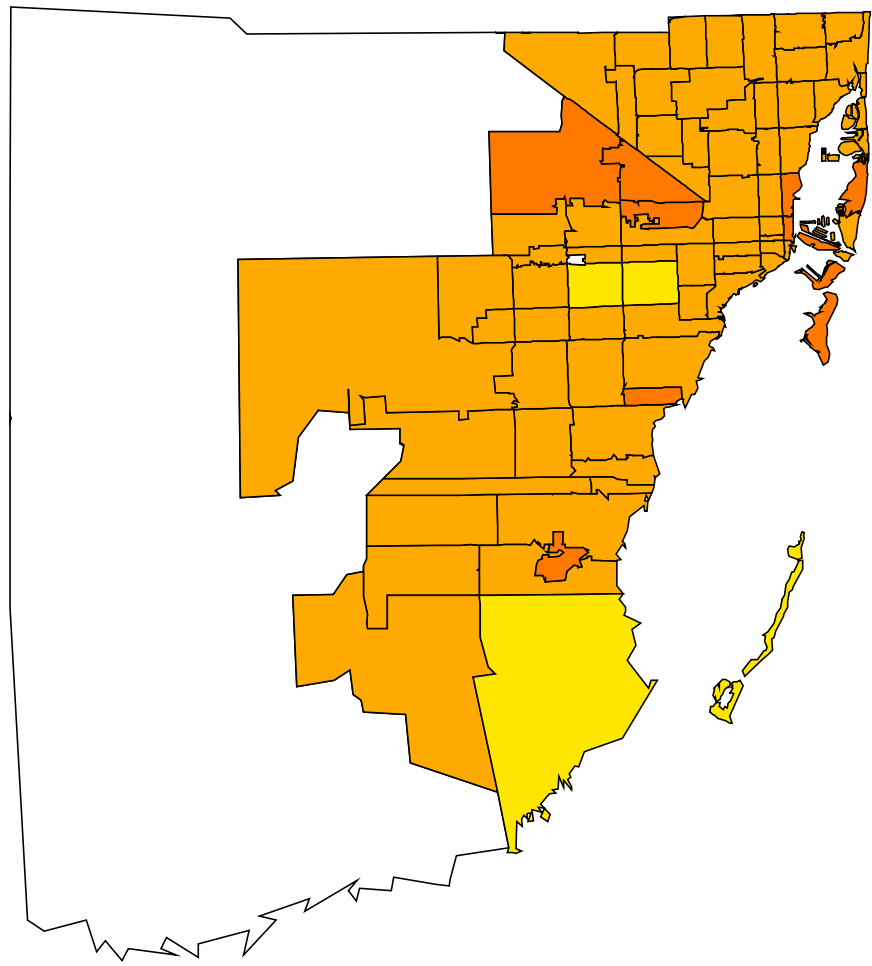
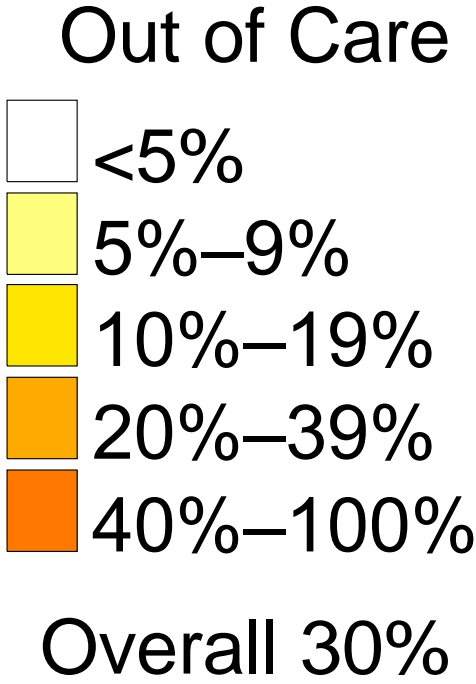


Overall 61%



¹Excludes data from homeless and those with unknown Zip Code. Data as of 6/30/2019

Percentage of Persons Living¹ with HIV (PLWH) in Miami-Dade County who were Out of Care in 2018



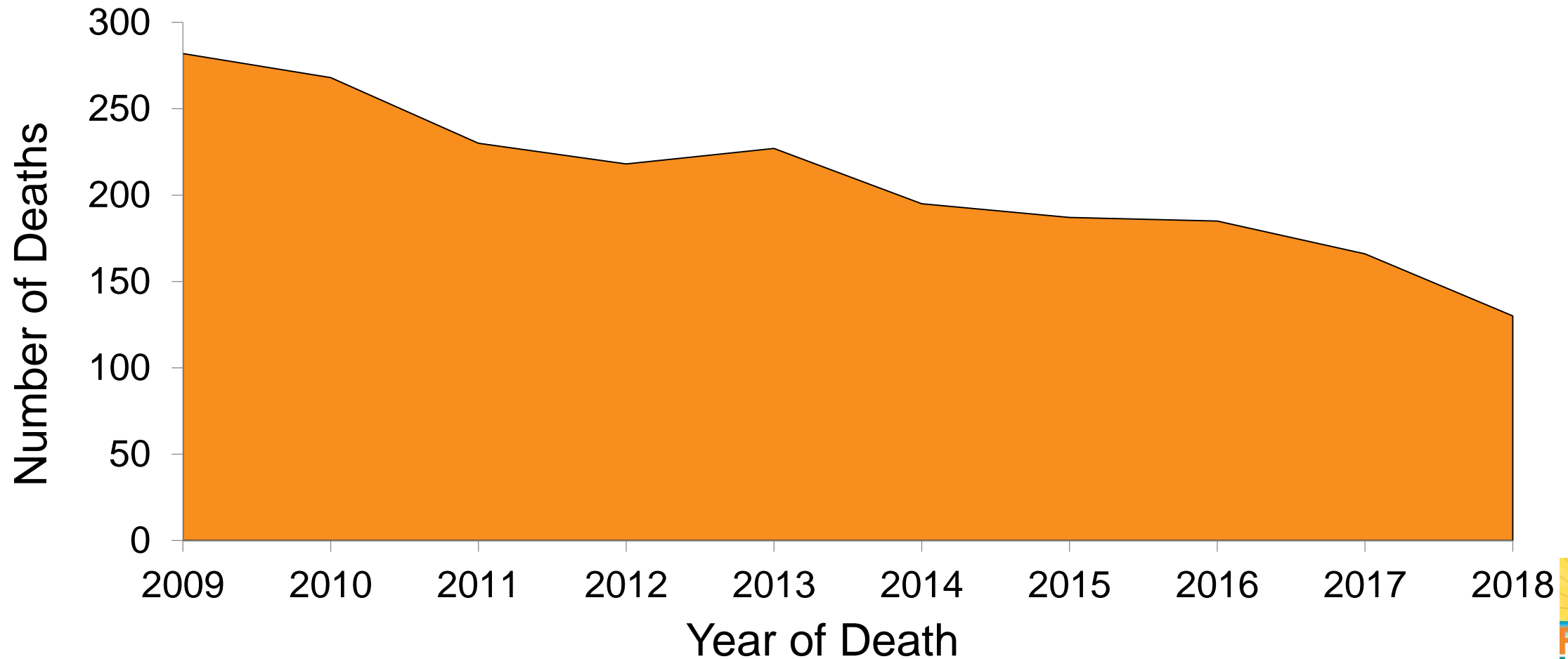
¹Excludes data from homeless and those with unknown Zip Code. Data as of 6/30/2019

HIV-related Deaths in Miami-Dade County



Resident Deaths¹ due to HIV, 2009–2018, Miami-Dade County

10 year % change (2009–2018) = 54% decrease



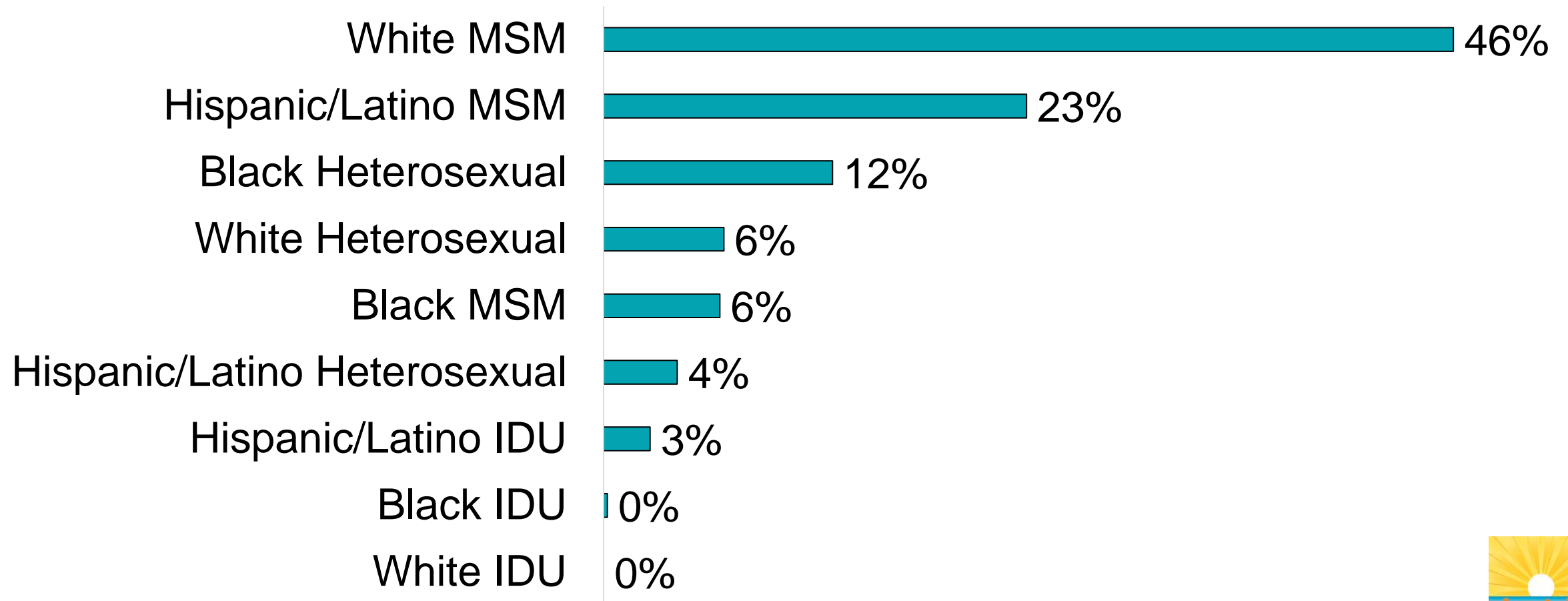
50

¹Florida Department of Health, Division of Public Health Statistics and Performance Management, Bureau of Vital Statistics, Death Certificates (as of 6/30/2019).

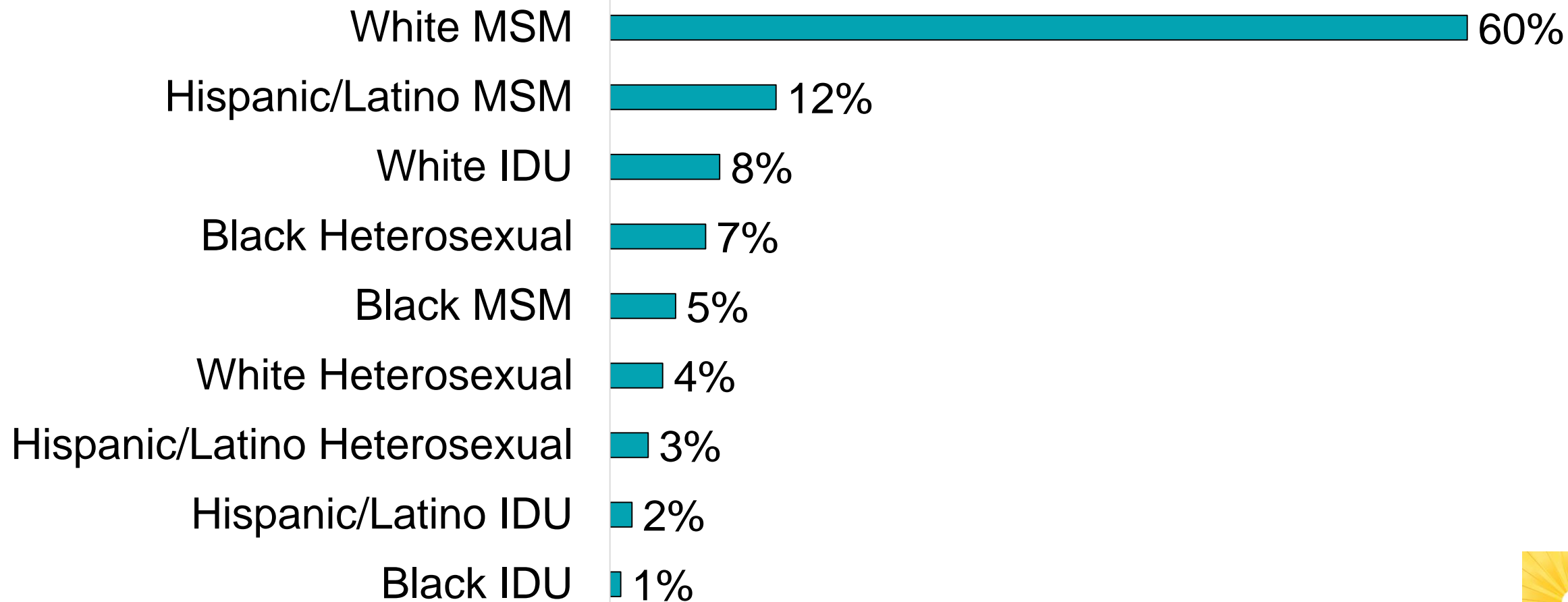
HIV Prevention



Miami-Dade County Top Priority Populations¹ for Primary HIV Prevention in 2018



Miami-Dade County Top Priority Populations¹ Prevention for PLWH in 2018



¹MSM=(MSM and MSM/IDU Diagnoses) and IDU=(IDU and MSM/IDU Diagnoses), therefore the data are not mutually exclusive.

Some Useful Links

Department. of Health, HIV Section Website

<http://www.floridahealth.gov/diseases-and-conditions/aids/surveillance/index.html>

CDC HIV Surveillance Reports (State and Metro Data):

<http://www.cdc.gov/hiv/stats/hasrlink.htm>

MMWR (Special Articles on Diseases, Including HIV):

<http://www.cdc.gov/mmwr/>

U.S. Census Data (Available by State, County):

<http://www.census.gov>



General Information

HIV Testing

All adolescents and adults (ages 13–64) should be tested for HIV at least once during their lifetime. Persons at increased risk for HIV should be tested at least **annually**. Per Florida law, all pregnant women are 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 HIV status is unknown.

knowyourhivstatus.com

Pre-Exposure Prophylaxis (PrEP)

For persons at increased risk for HIV, PrEP medication, taken once daily, 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, visit preplocator.org.

Antiretroviral Therapy (ART)

For Persons Living with HIV (PLWH), starting ART with a provider as soon as possible improves health outcomes by reducing the risk of disease progression and reducing viral load. PLWH who take ART as prescribed and get and keep an undetectable viral load have effectively no risk of transmitting HIV to their HIV-negative sexual partners. ART is recommended for all persons living with HIV, regardless of how long they've had the virus or how healthy they are.

To find a care provider or to learn more about the resources available to PLWH, 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
1-800-503-7118 Hearing/Speech Impaired
211bigbend.org/flhivaidshotline
Text 'FLHIV' or 'flhiv' to 898211
For more information, contact
DiseaseControl@flhealth.gov.



Florida HIV/AIDS Surveillance Data Contacts

Lorene Maddox, MPH
Surveillance Data Analysis Manager
Florida Department of Health
Phone: 850-901-6968
Email: Lorene.Maddox@flhealth.gov

Emma Spencer, MPH, PhD
Surveillance Program Manager
Florida Department of Health
Phone: 850-245-4432
Email: Emma.Spencer@flhealth.gov

Danielle Curatolo, MPH
Research Analyst
Florida Department of Health
Phone: 850-901-6983
Email: Danielle.Curatolo@flhealth.gov

Ashleigh Tiller
Data Reports Coordinator
Florida Department of Health
Phone: 850-901-6984
Email: Ashleigh.Tiller@flhealth.gov

Eunice Sawaya, MPA, CPM
Medical Health Care Program Analyst
Florida Department of Health
Phone: 850-901-9650
Email: Eunice.Sawaya@flhealth.gov

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

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

floridacharts.com/charts/CommunicableDiseases/default.aspx