

HIV Epidemiology Area 11a

(Excluding Department of Corrections)

Presented By:
Florida Department of Health
HIV/AIDS Section
Data as of 6/30/2018

Technical Notes

- 🟡 HIV diagnoses by year of diagnosis represent persons whose HIV was diagnosed in 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 living 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, Blacks are non-Hispanic and Other (which may be omitted in some graphs due to small numbers) represents Asian, American Indian, or mixed races
- ⚡ For data by year, area and county data will exclude Department of Corrections diagnoses. For living 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 & injection drug use
-  **Heterosexual:** Heterosexual contact with person with HIV or known HIV risk
-  **Other Risk:** includes hemophilia, transfusion, perinatal and other pediatric risks and other confirmed risks

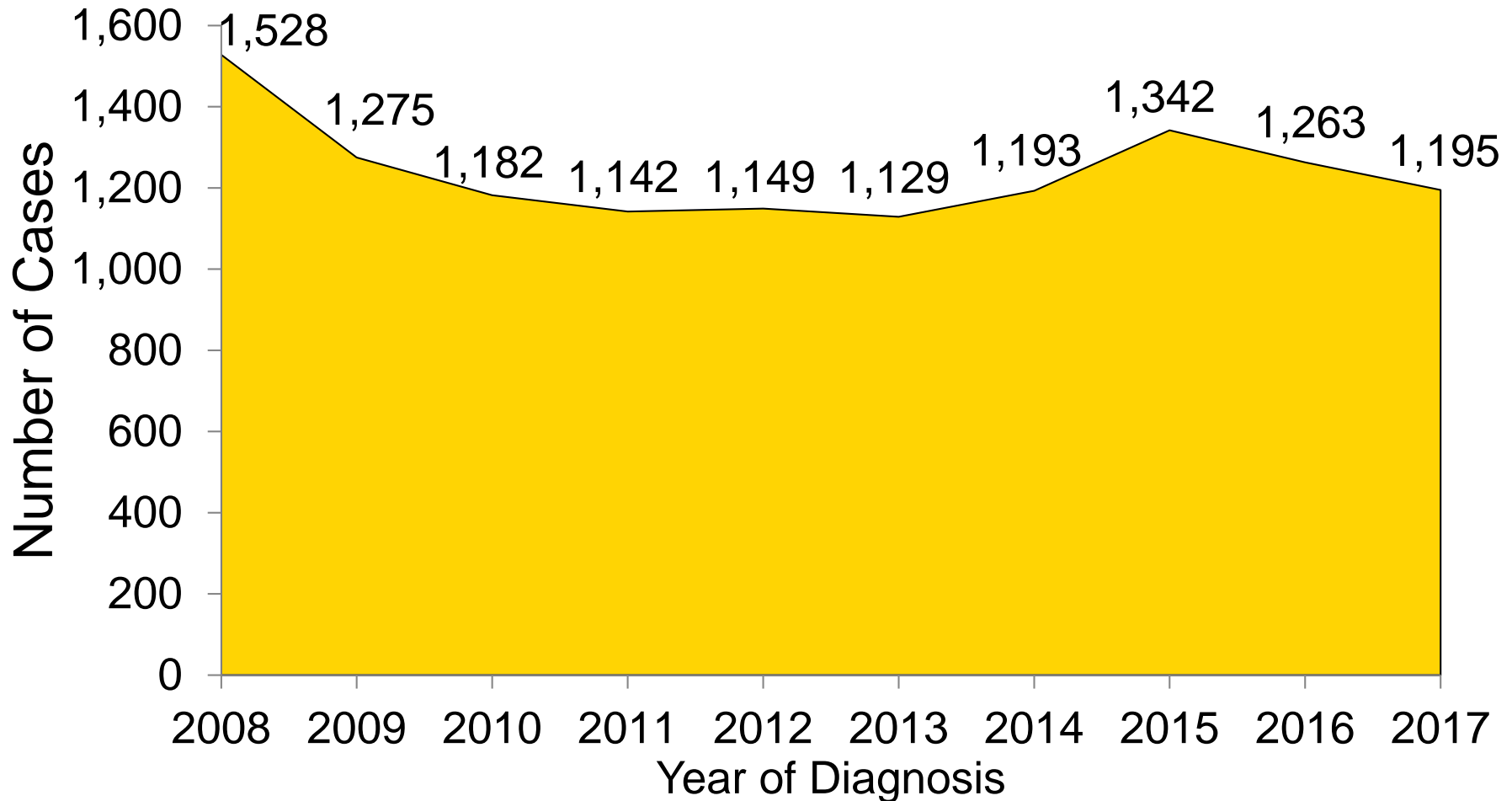
The Epidemic in Miami-Dade County

	2016	2017	Trend
Population	2,712,144	2,754,749	1.6% increase
Diagnosed HIV cases	1,263	1,195	5.4% decrease
Diagnosed AIDS cases	465	402	13.5% decrease
Perinatal HIV cases	1	1	
People diagnosed living with HIV (Prevalence)	27,620	27,969	1.3% increase
HIV-related deaths	185	166	10.3% decrease

HIV by Year of Diagnosis

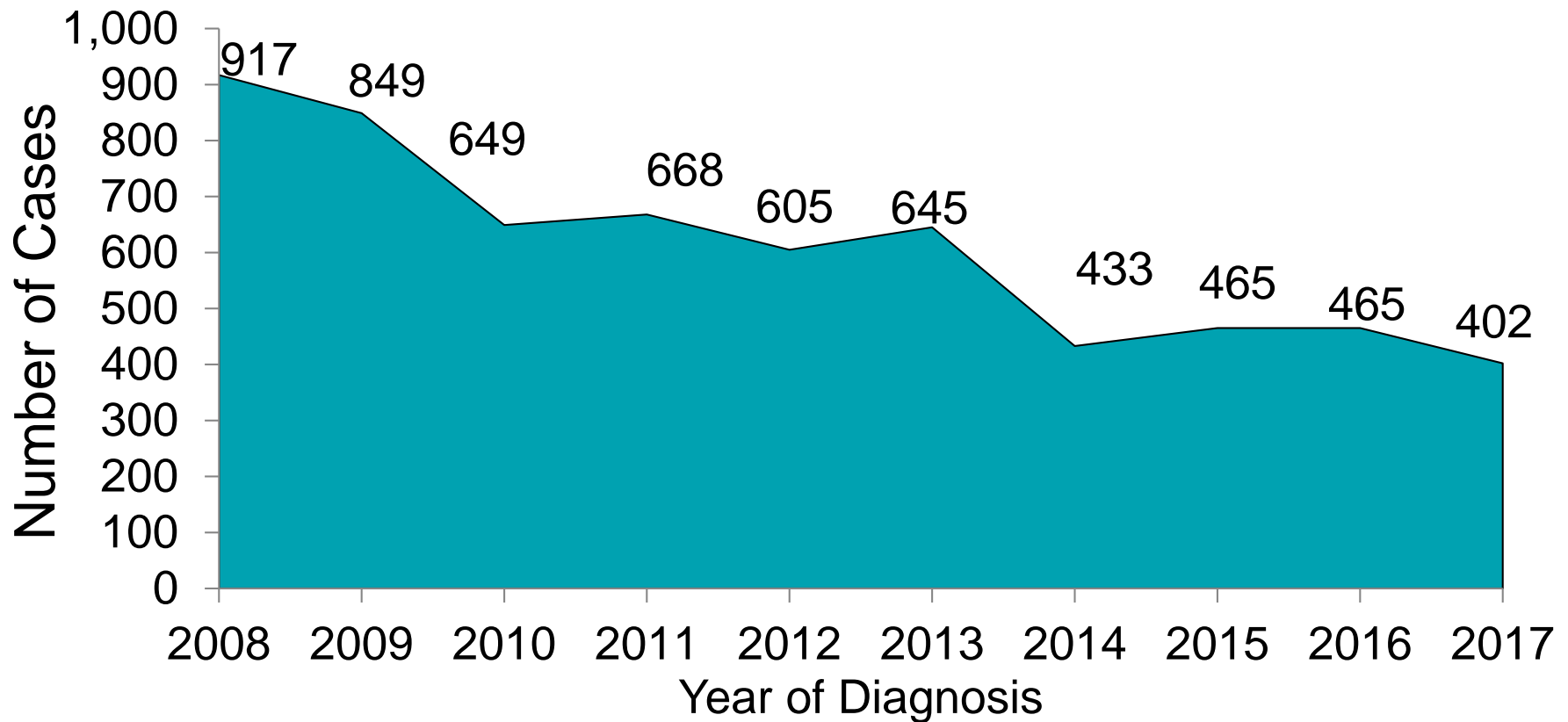
HIV Cases by Year of Diagnosis, Miami-Dade County, **2008–2017**

10 year % change (2008–2017) = 22% decrease

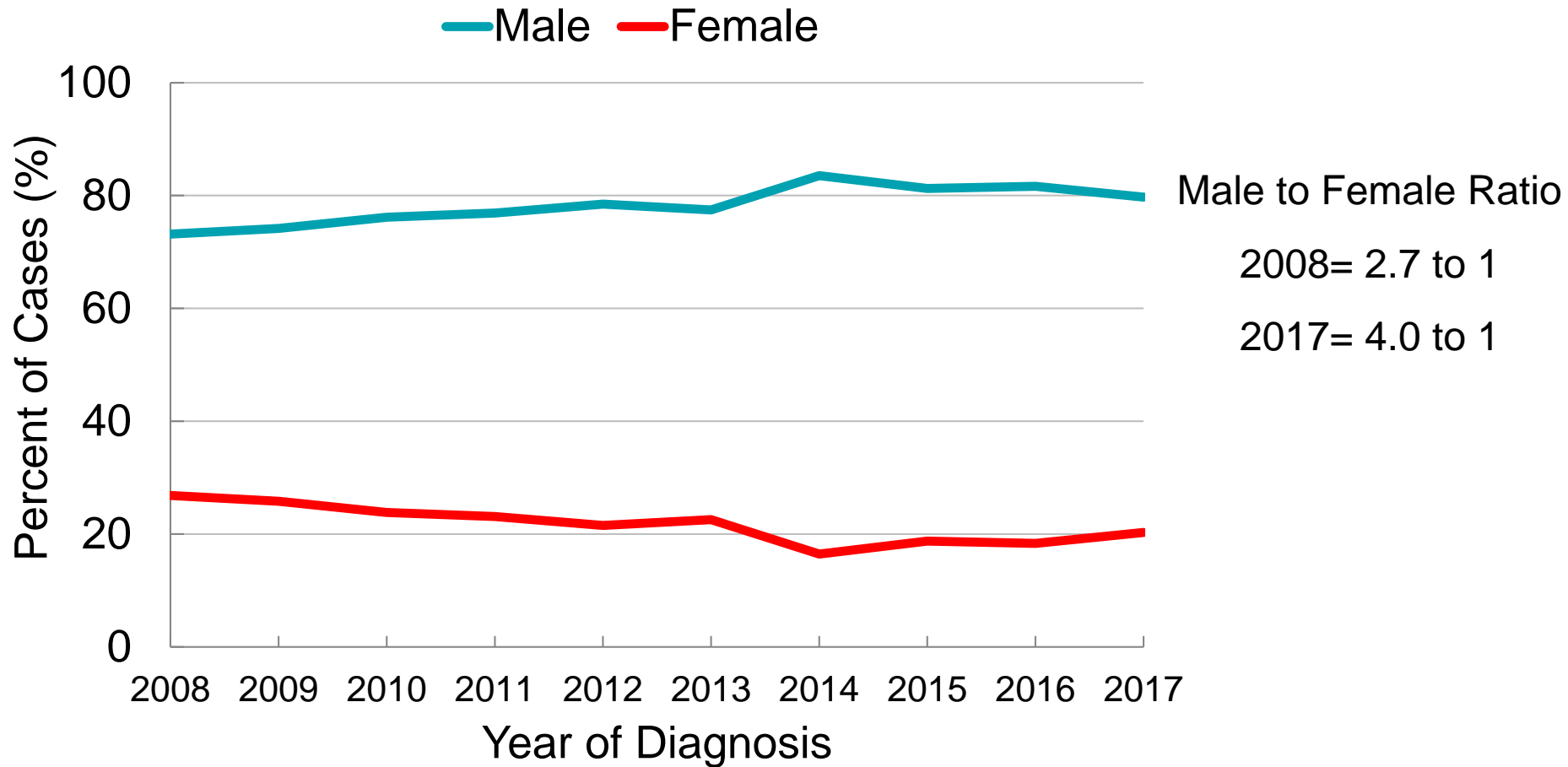


AIDS Cases by Year of Diagnosis, Miami-Dade County, **2008–2017**

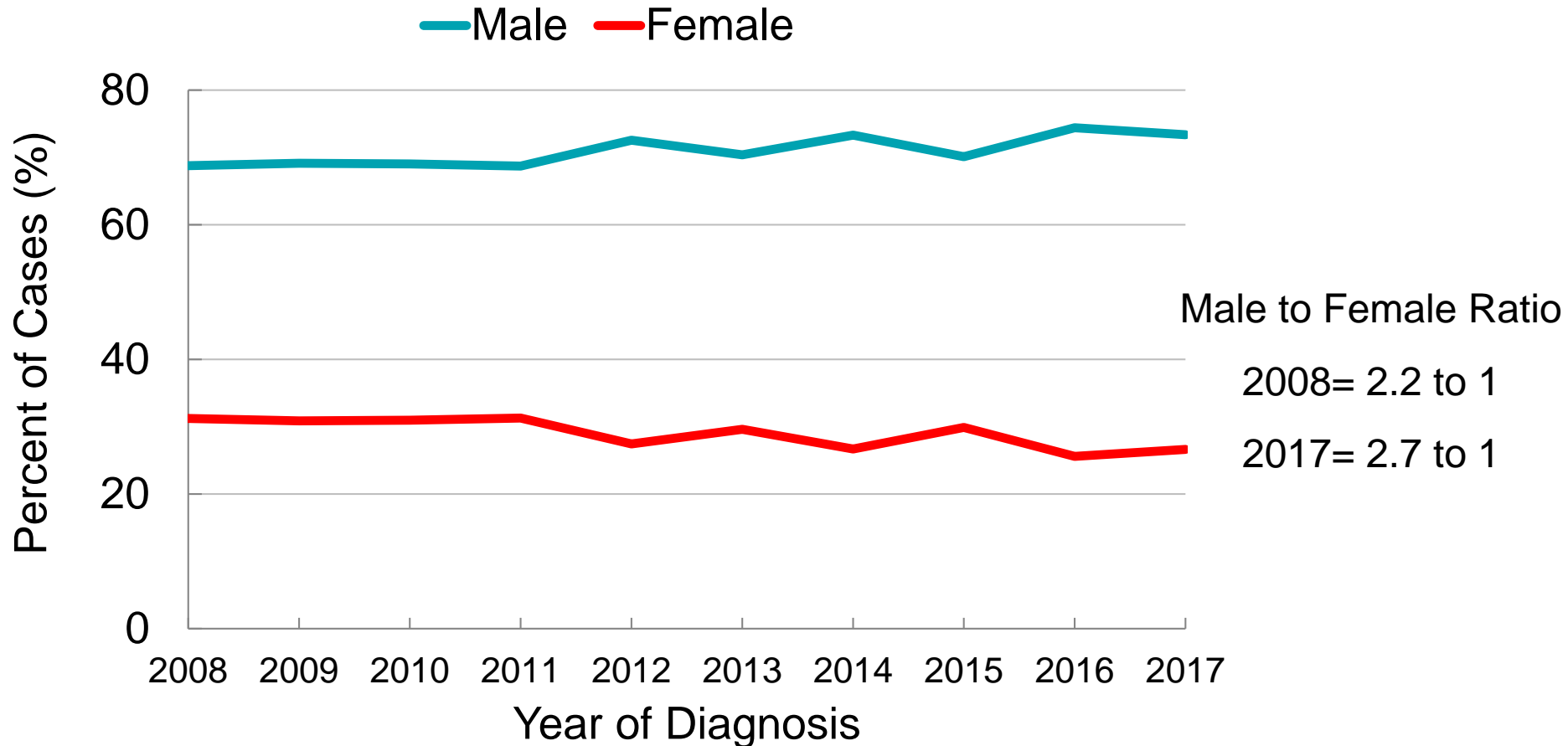
10 year % change (2008–2017) = 56% decrease



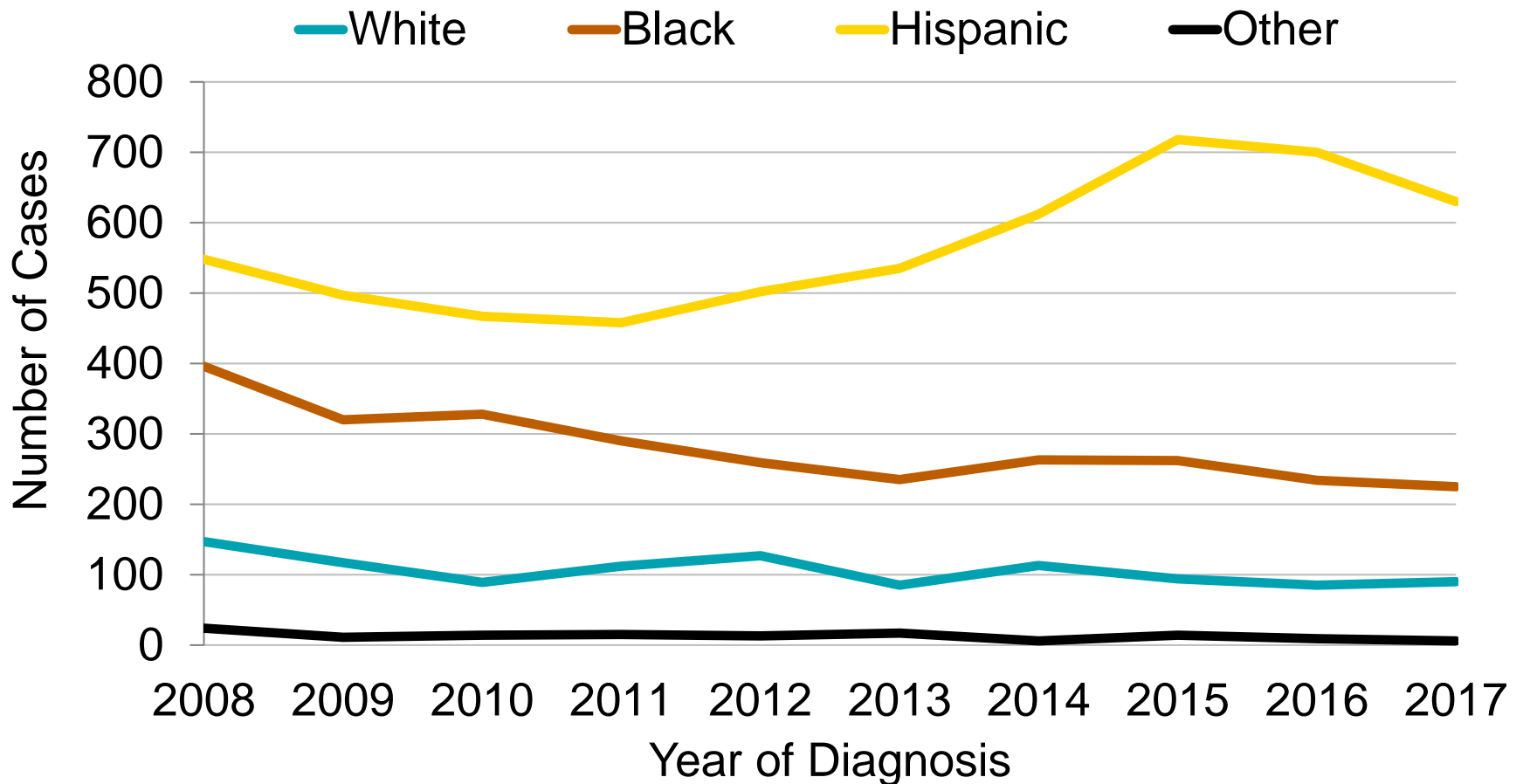
Adult (Age 13+) **HIV Cases**, by Sex and Year of Diagnosis, Miami-Dade County, **2008–2017**



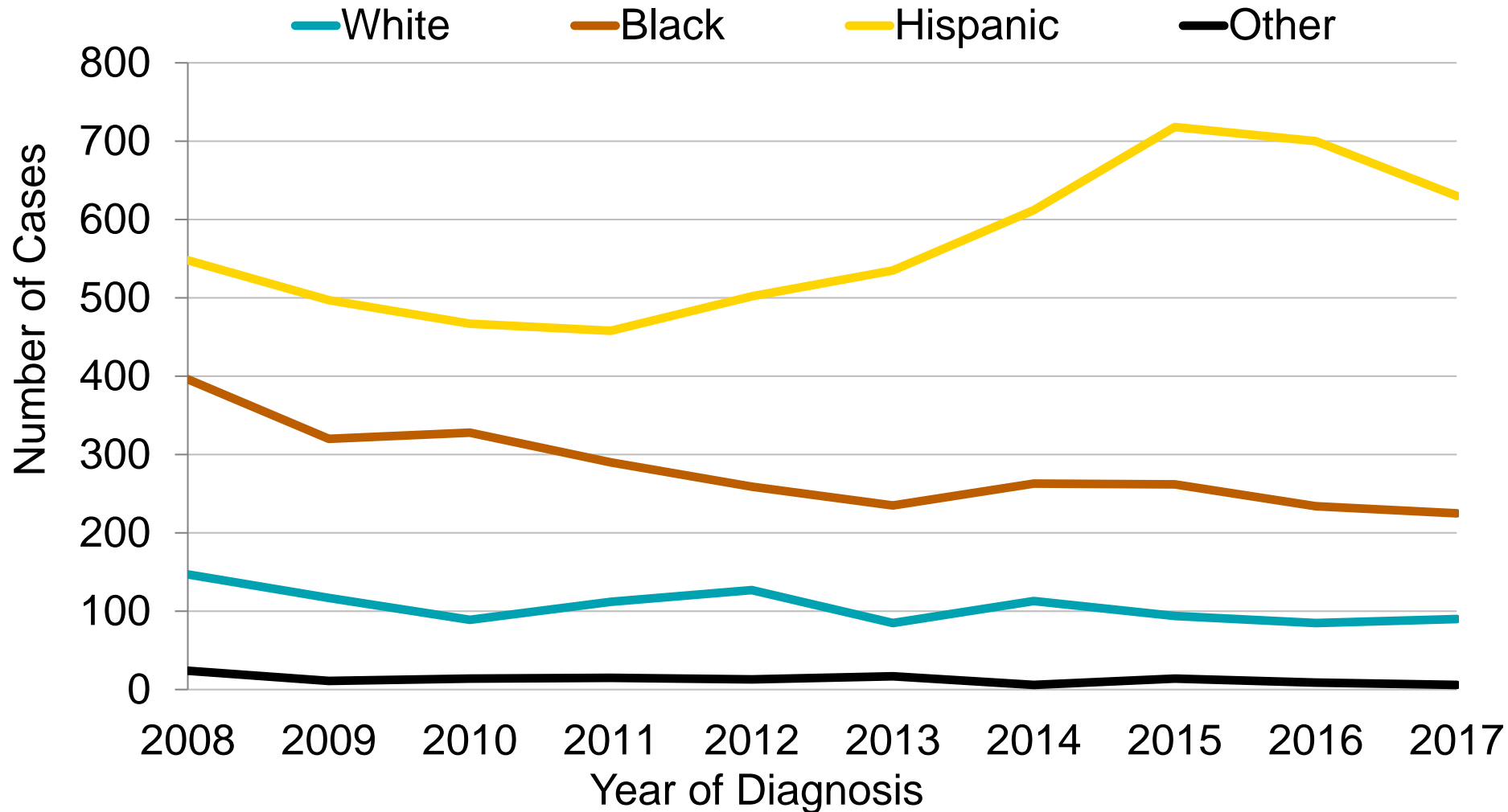
Adult (Age 13+) **AIDS Cases**, by Sex and Year of Diagnosis, Miami-Dade County, **2008–2017**



Adult (Age 13+) **HIV Cases** by Race/Ethnicity and Year of Diagnosis, Miami-Dade County, **2008–2017**



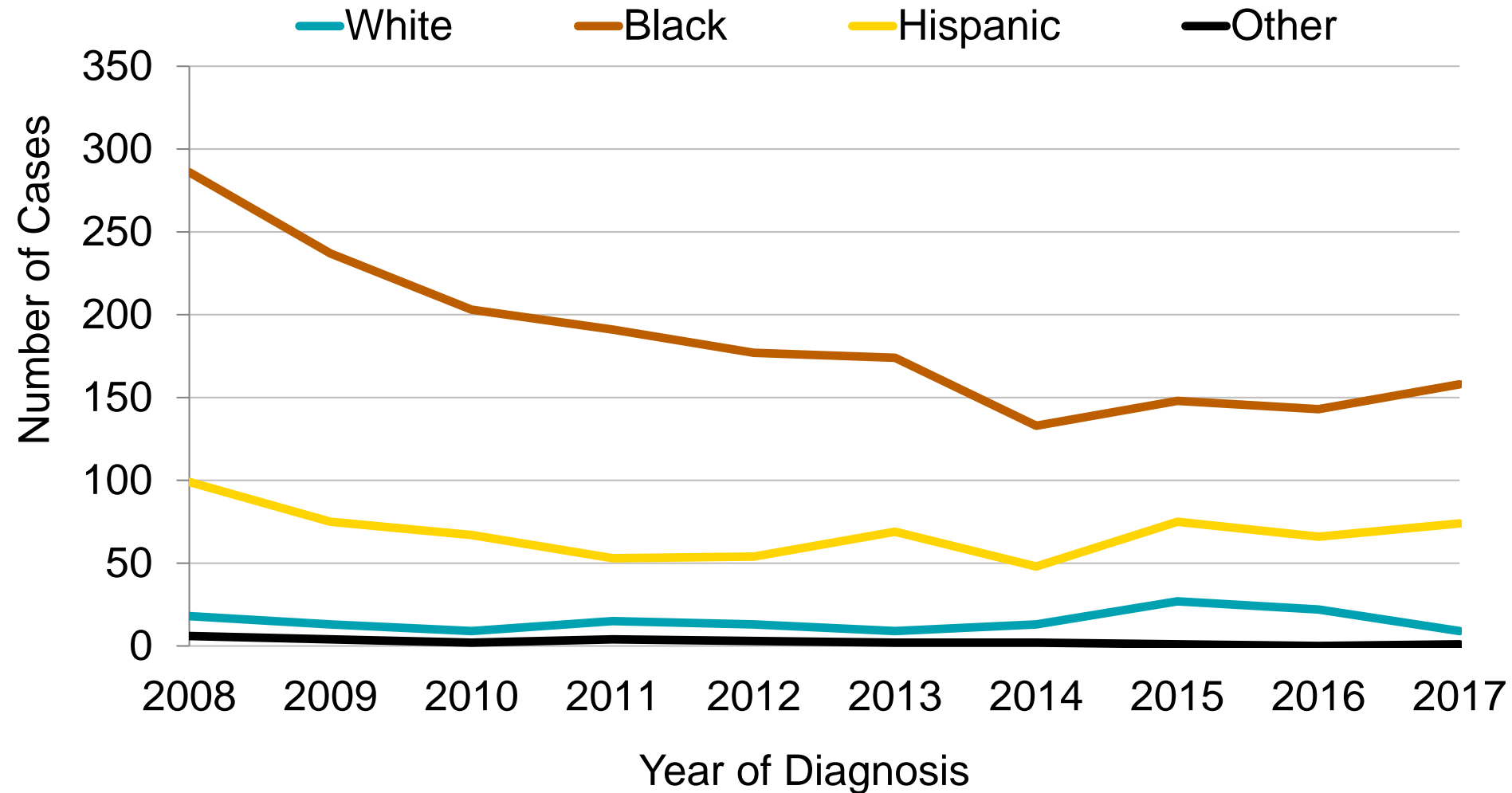
Adult (Age 13+) **Male HIV** Cases by Race/Ethnicity and Year of Diagnosis, Miami-Dade County, **2008–2017**



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¹Other includes American Indian/Alaska Native, Asian/Pacific Islander, and multi-racial.

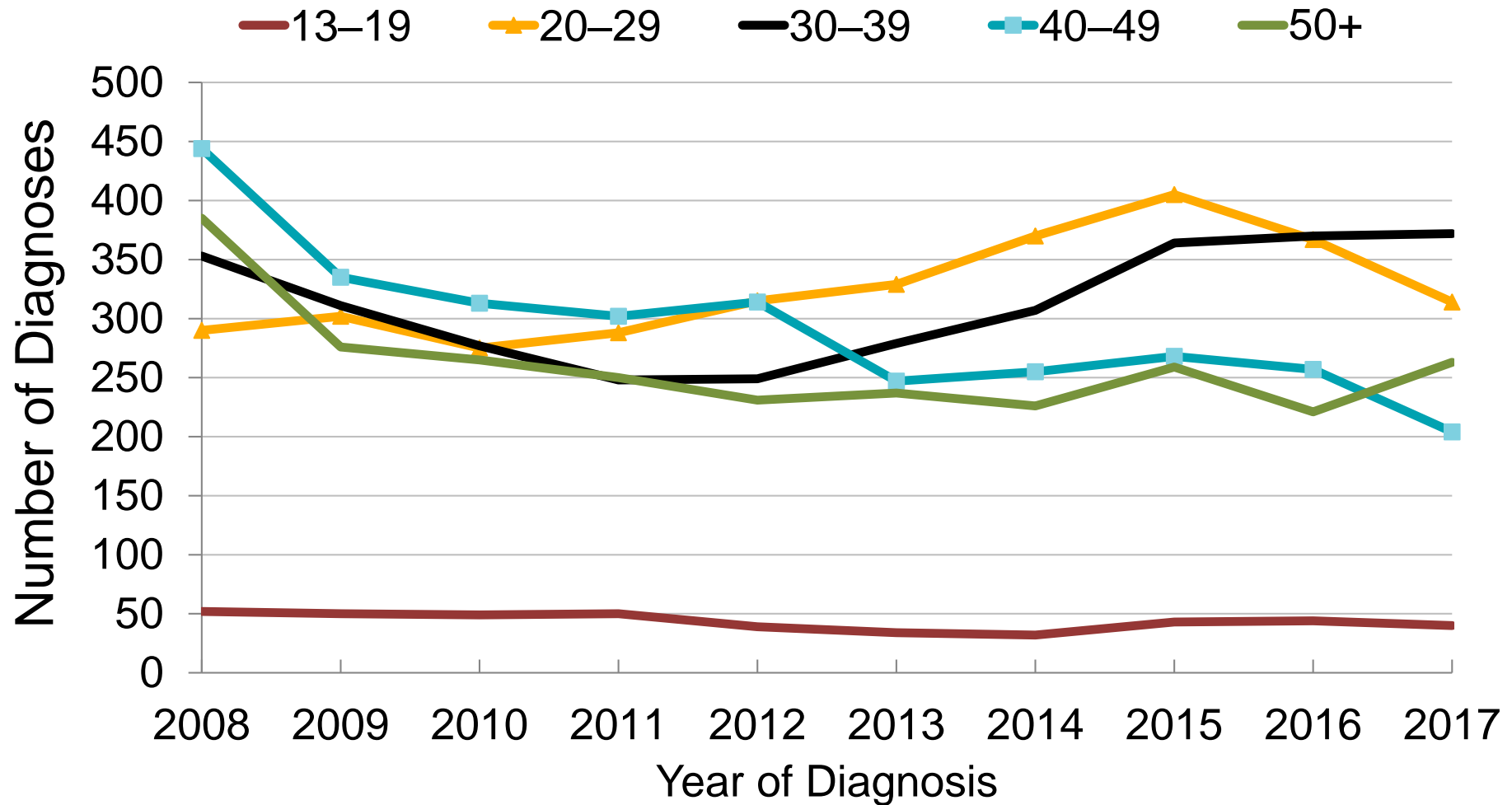
Adult (Age 13+) **Female HIV** Cases by Race/Ethnicity and Year of Diagnosis, Miami-Dade County, **2008–2017**



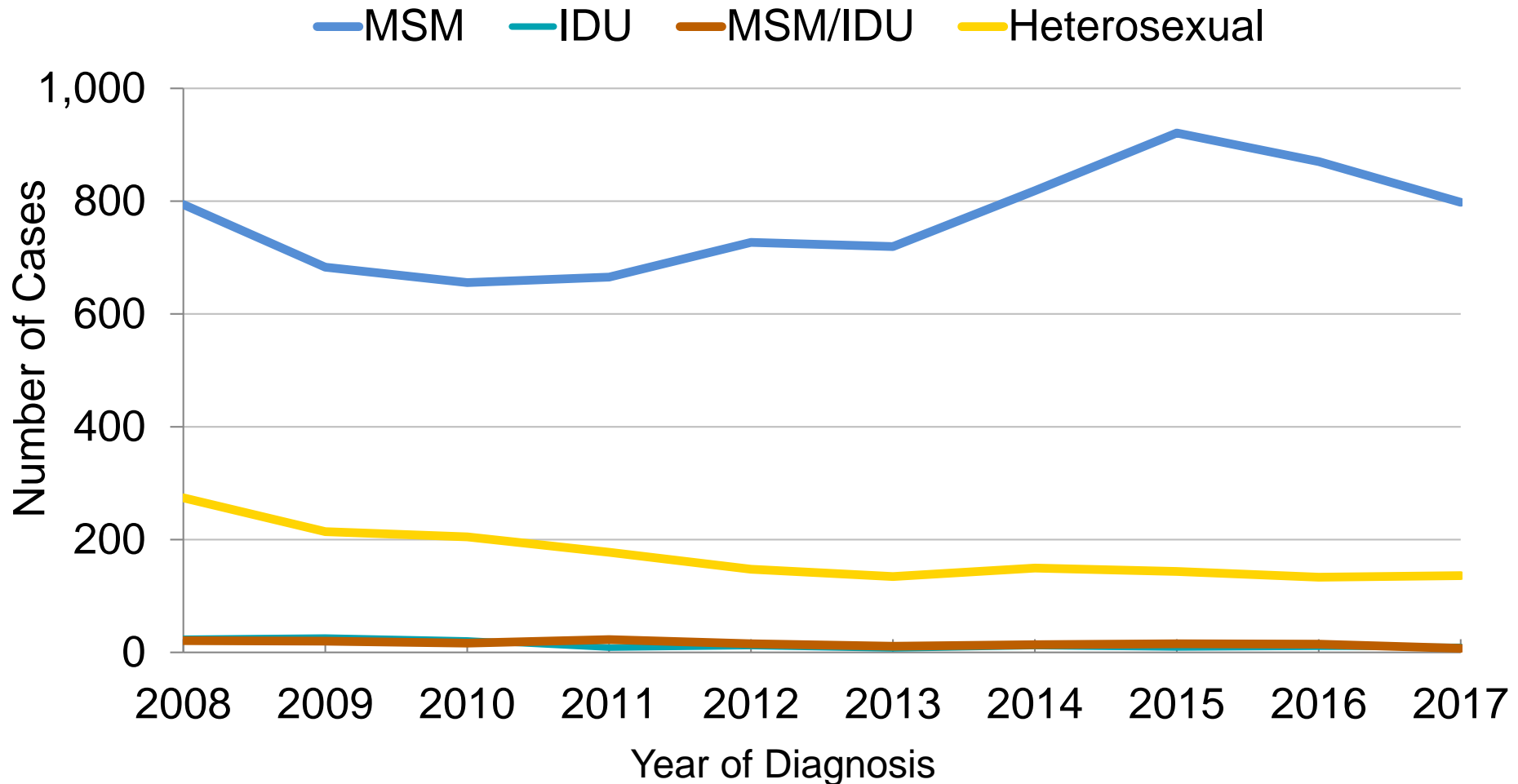
Division of Disease Control and Health Protection

¹Other includes American Indian/Alaska Native, Asian/Pacific Islander, and multi-racial.

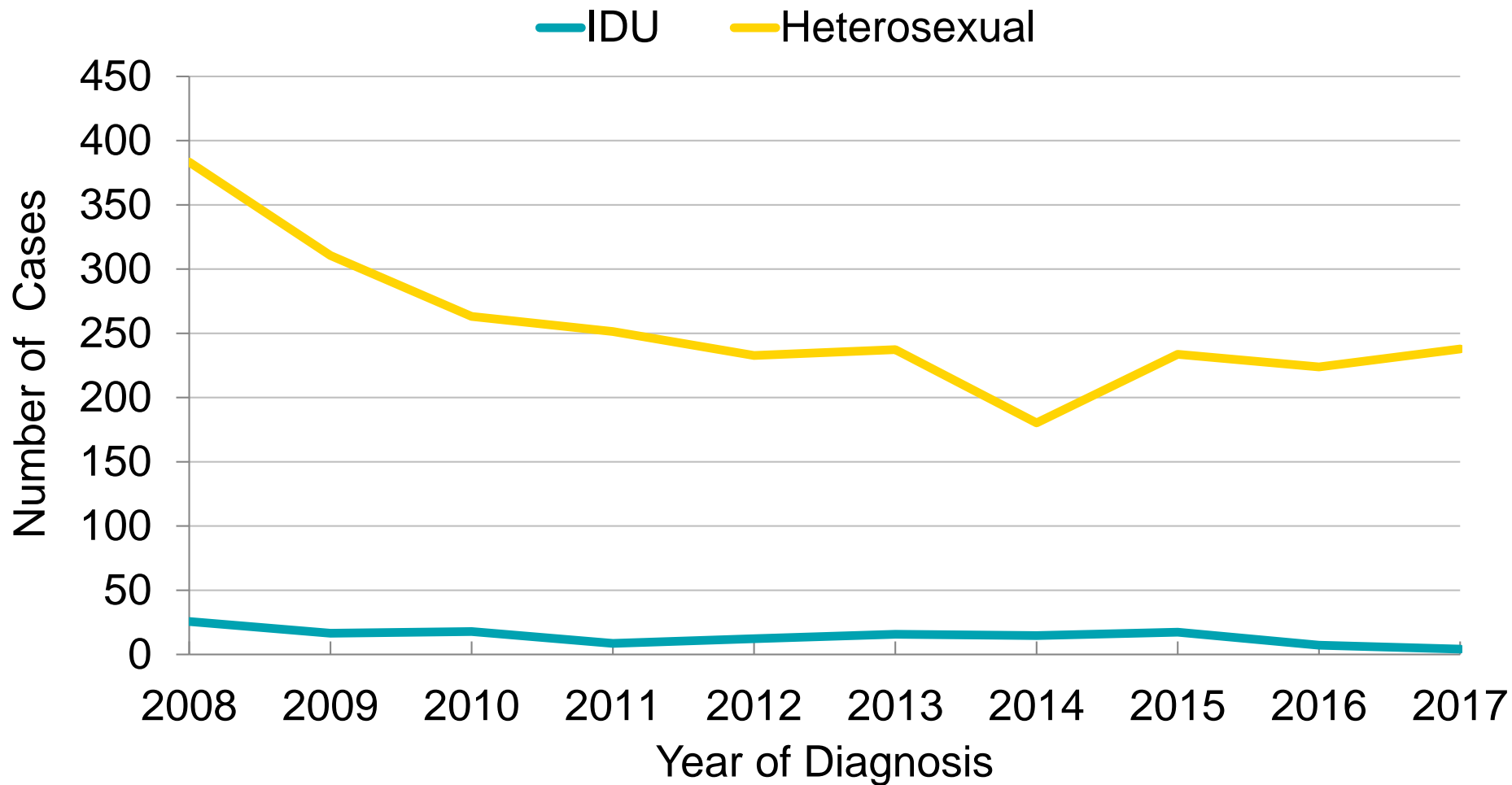
Adult (Age 13+) **HIV Cases**, by Age Group at Diagnosis, and Year of Diagnosis, Miami-Dade County, **2008–2017**



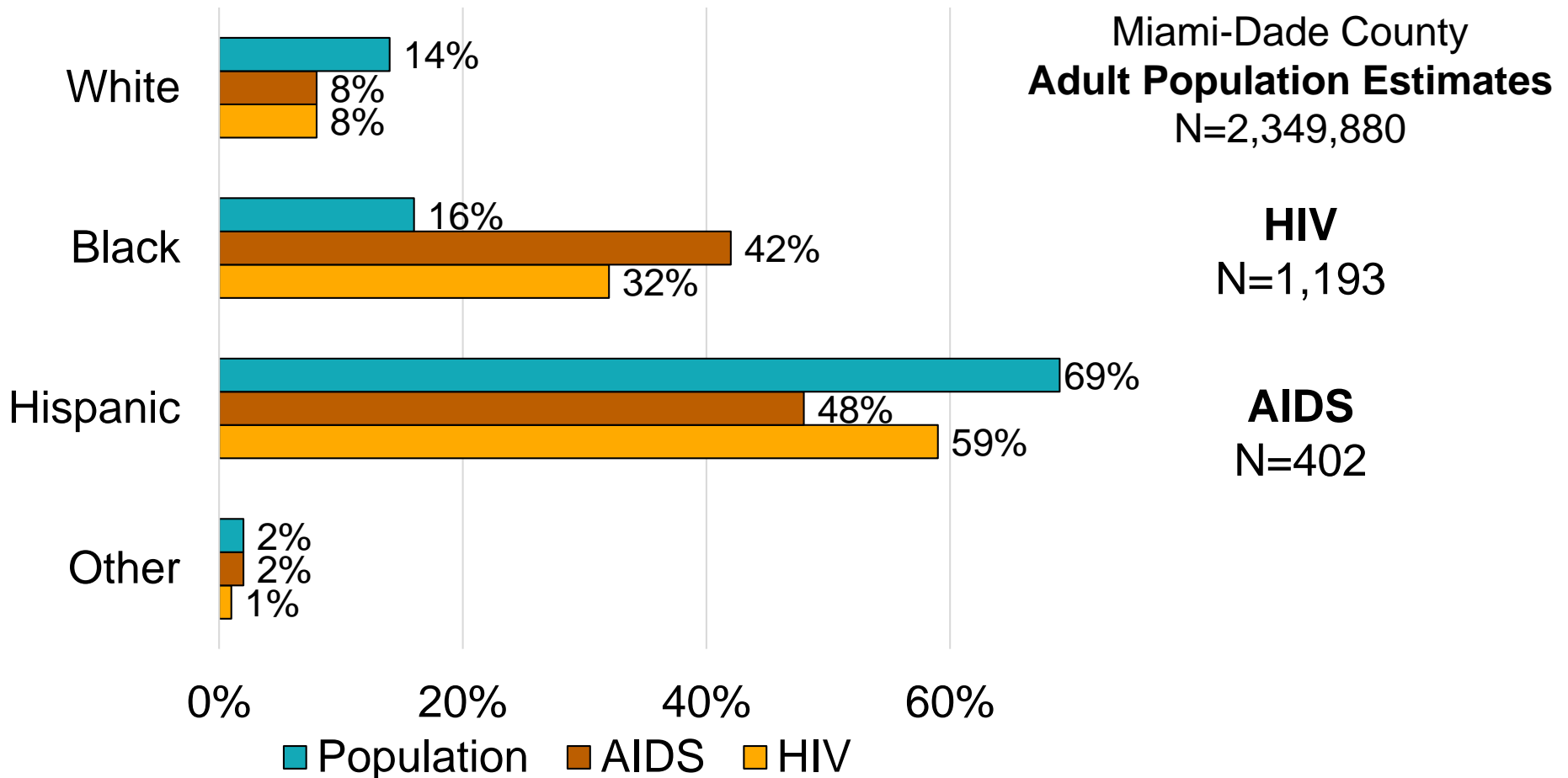
Adult (Age 13+) **Male HIV Cases**, by Mode of Exposure and Year of Diagnosis, Miami-Dade County, **2008–2017**



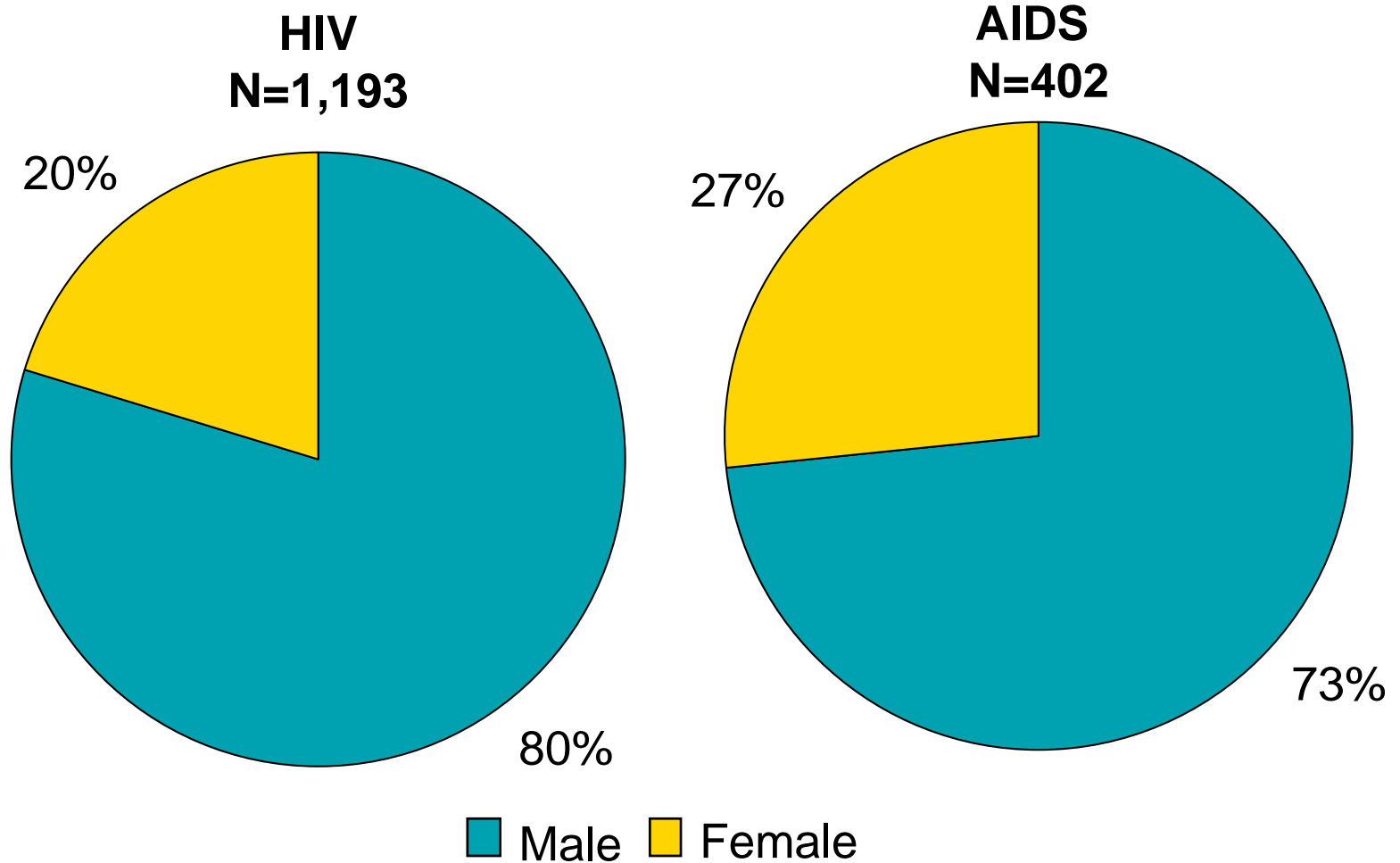
Adult (Age 13+) **Female HIV Cases** by Exposure Category and Year of Diagnosis, Miami-Dade County, **2008–2017**



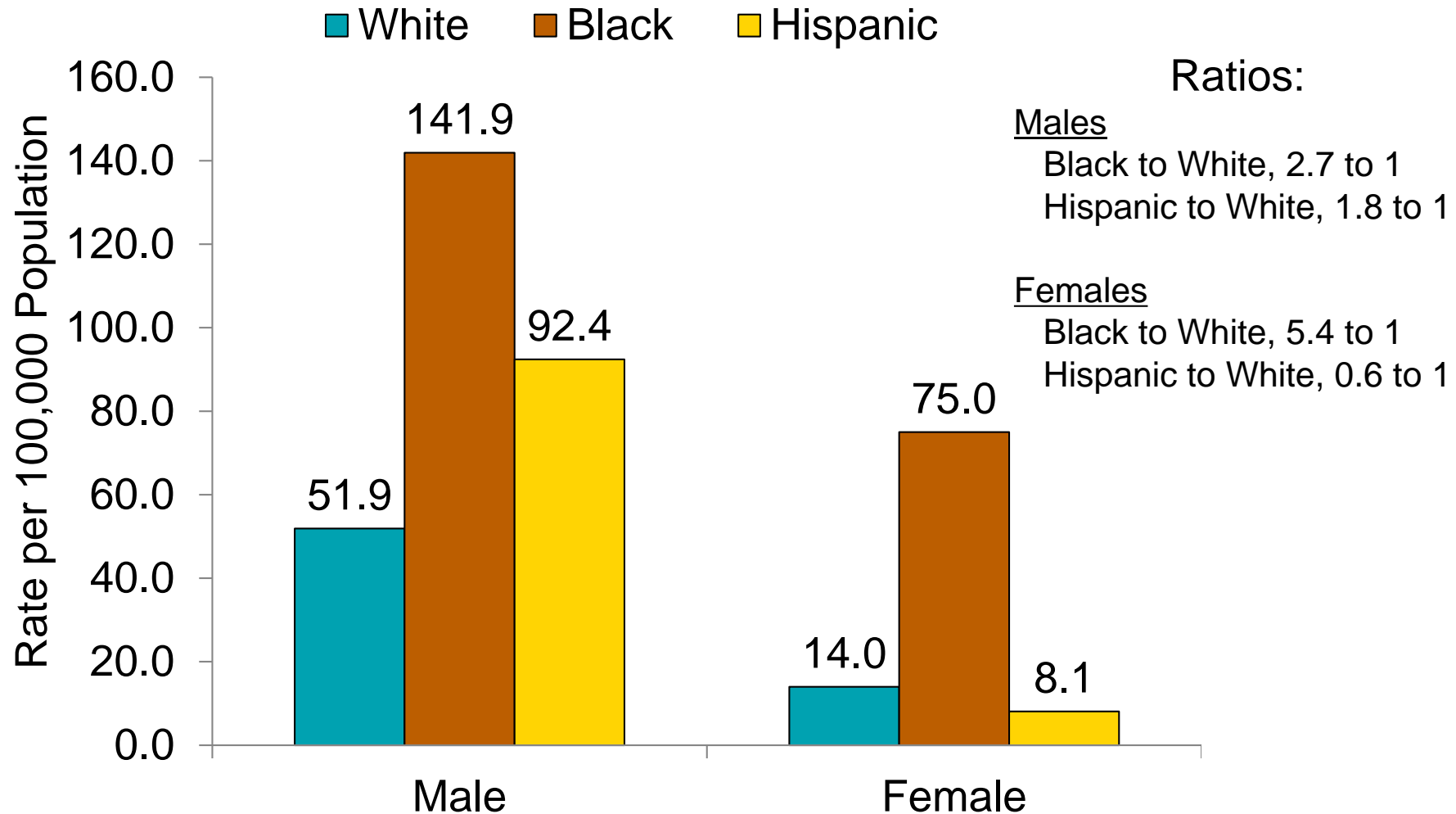
Percentage of Adult (Age 13+) HIV and AIDS Cases Diagnosed in 2017 and Population, by Race/Ethnicity, Miami-Dade County



Adult (Age 13+) **HIV** and **AIDS** Cases by Sex, Miami-Dade County, Diagnosed in **2017**



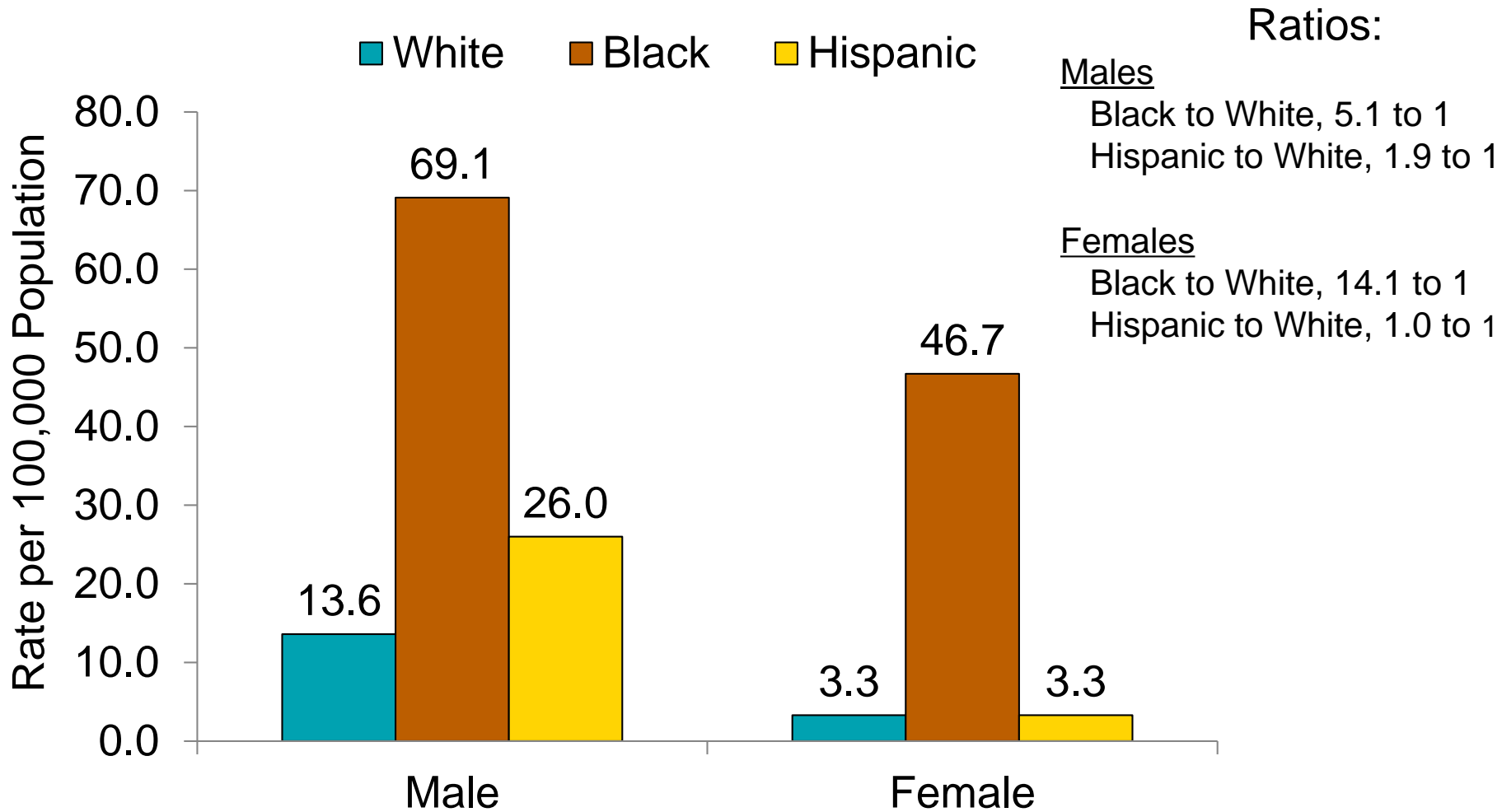
Adult (Age 13+) **HIV Case Rates¹** by Sex and Race/Ethnicity, Miami-Dade County, Diagnosed in **2017**



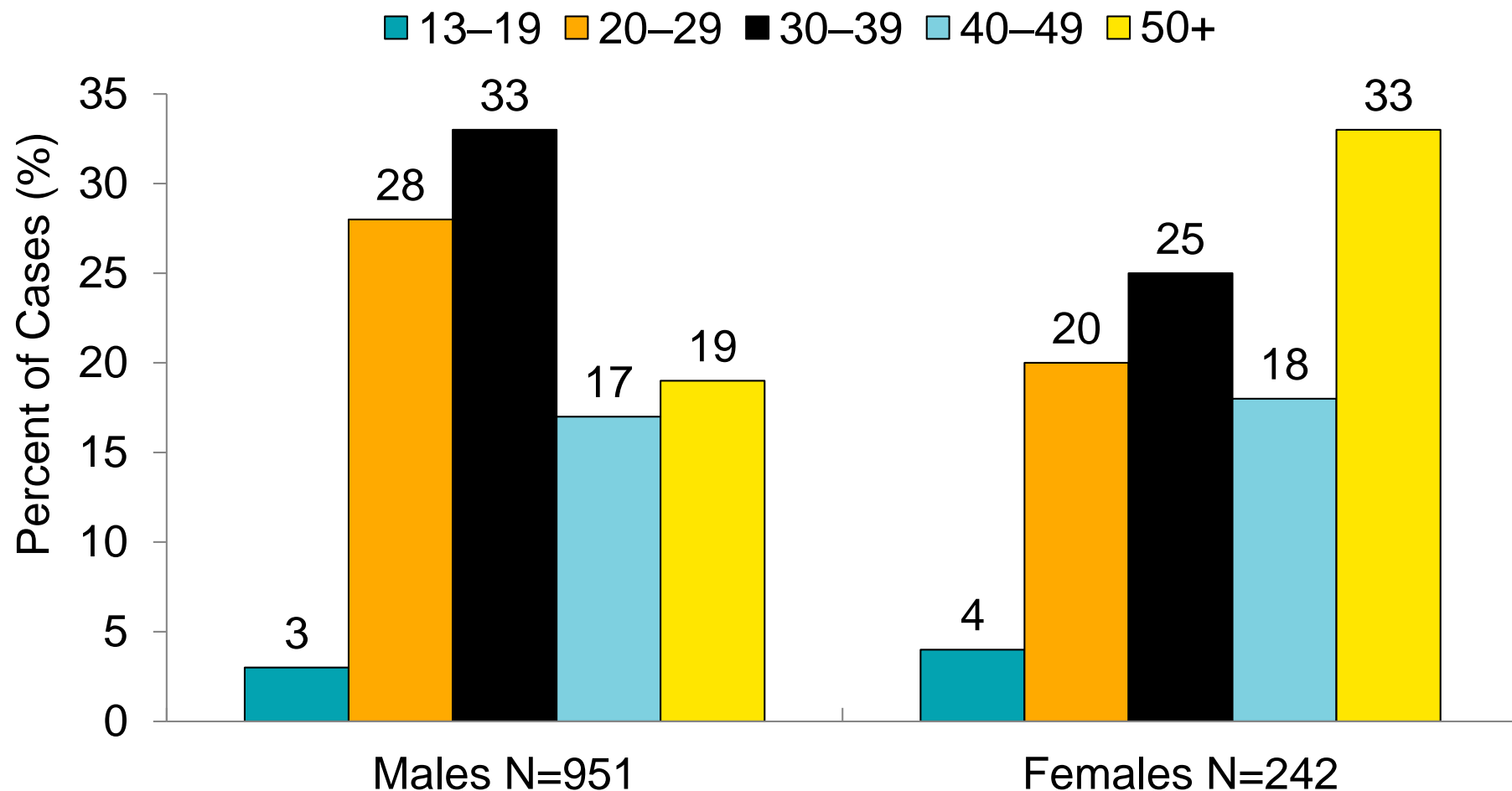
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¹Source: Population estimates are provided by Florida CHARTS as of 6/20/2017.

Adult (Age 13+) **AIDS Case Rates**¹ by Sex and Race/Ethnicity, Miami-Dade County, Diagnosed in **2017**

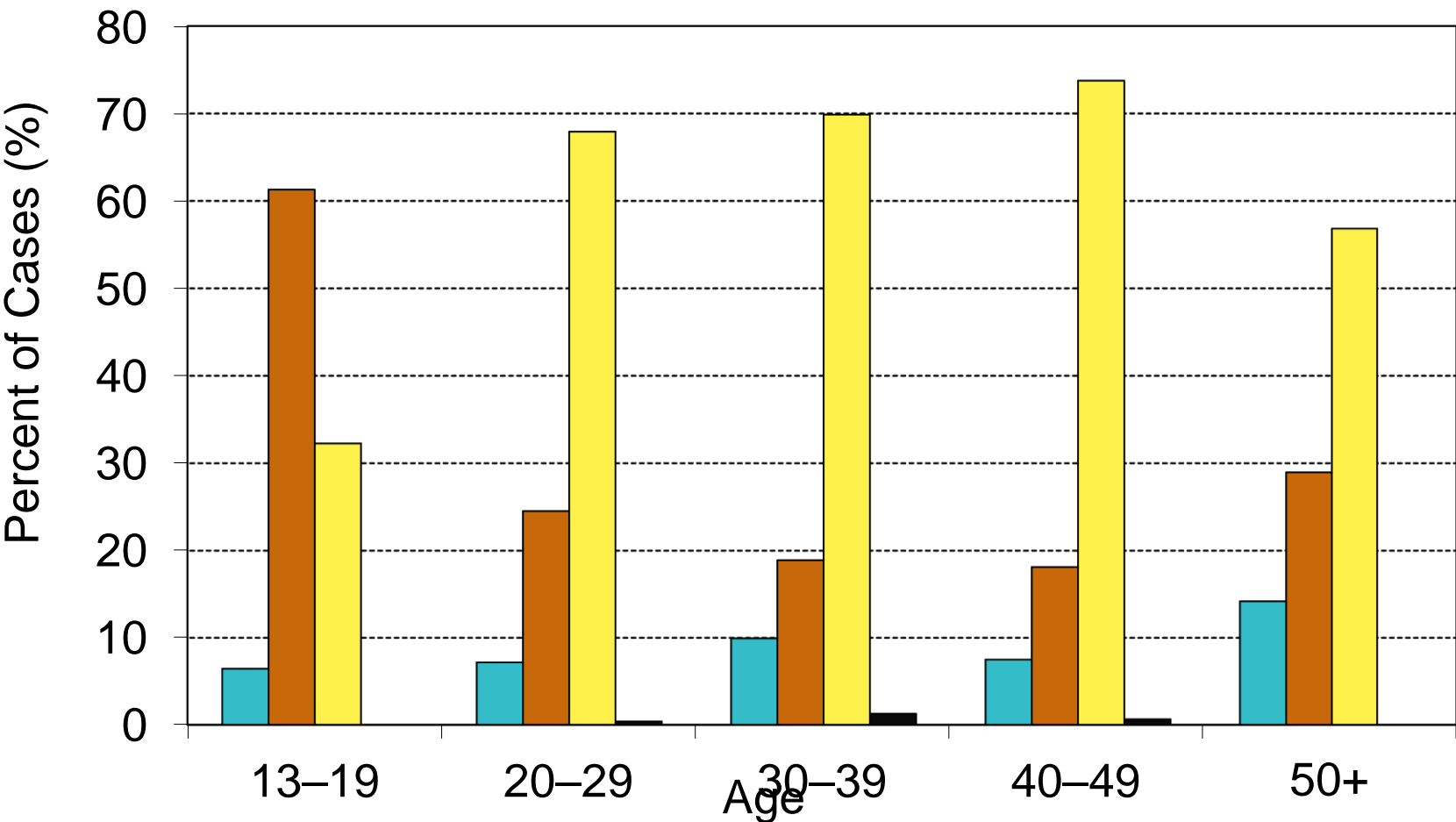


Adult (Age 13+) **HIV Cases**, by Sex and Age Group at Diagnosis, Miami-Dade County, Diagnosed in **2017**



Adult (Age 13+) **Male HIV Cases** by Race/Ethnicity and Age at Diagnosis, Miami-Dade County, Diagnosed in **2017**

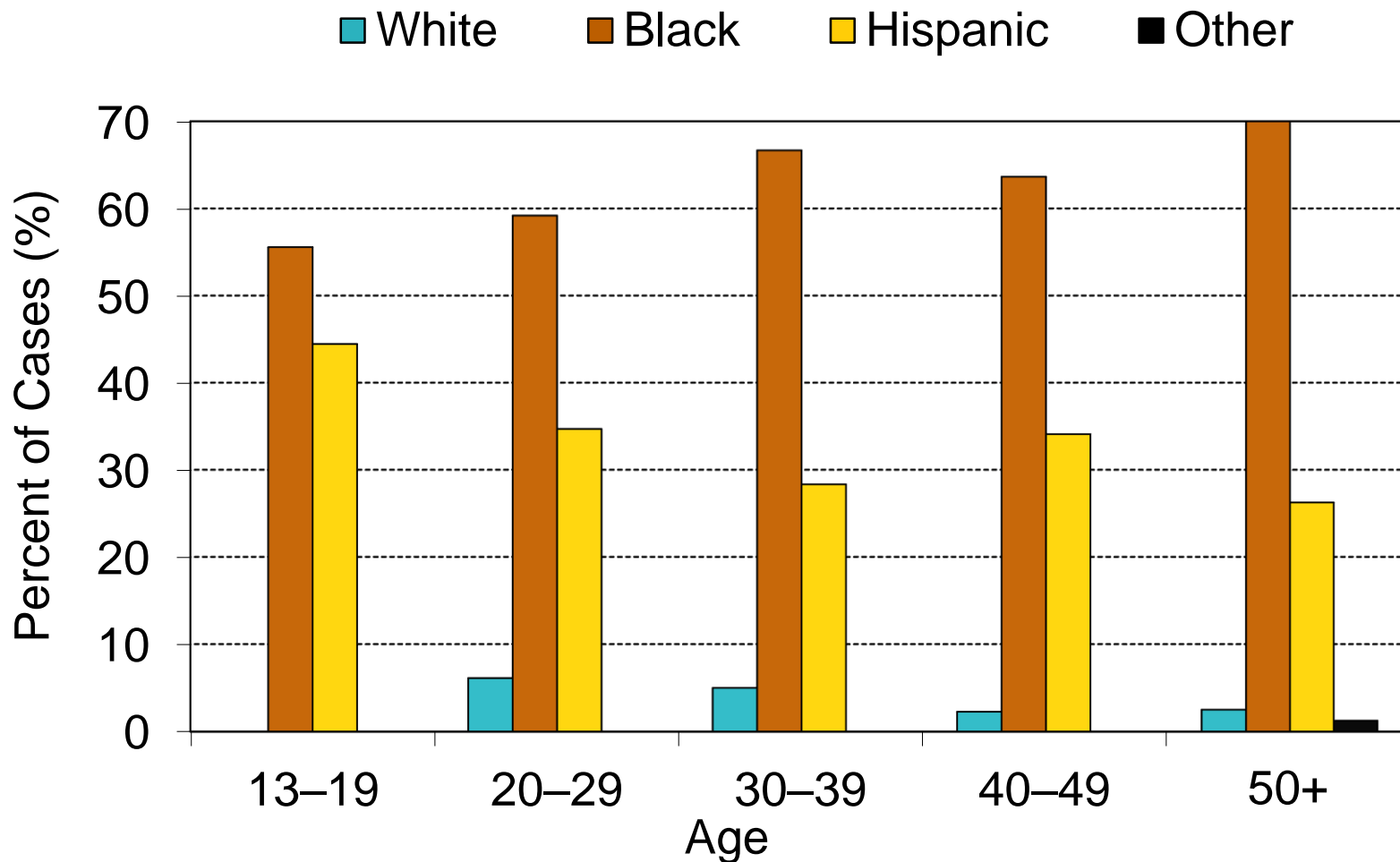
■ White ■ Black ■ Hispanic ■ Other



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

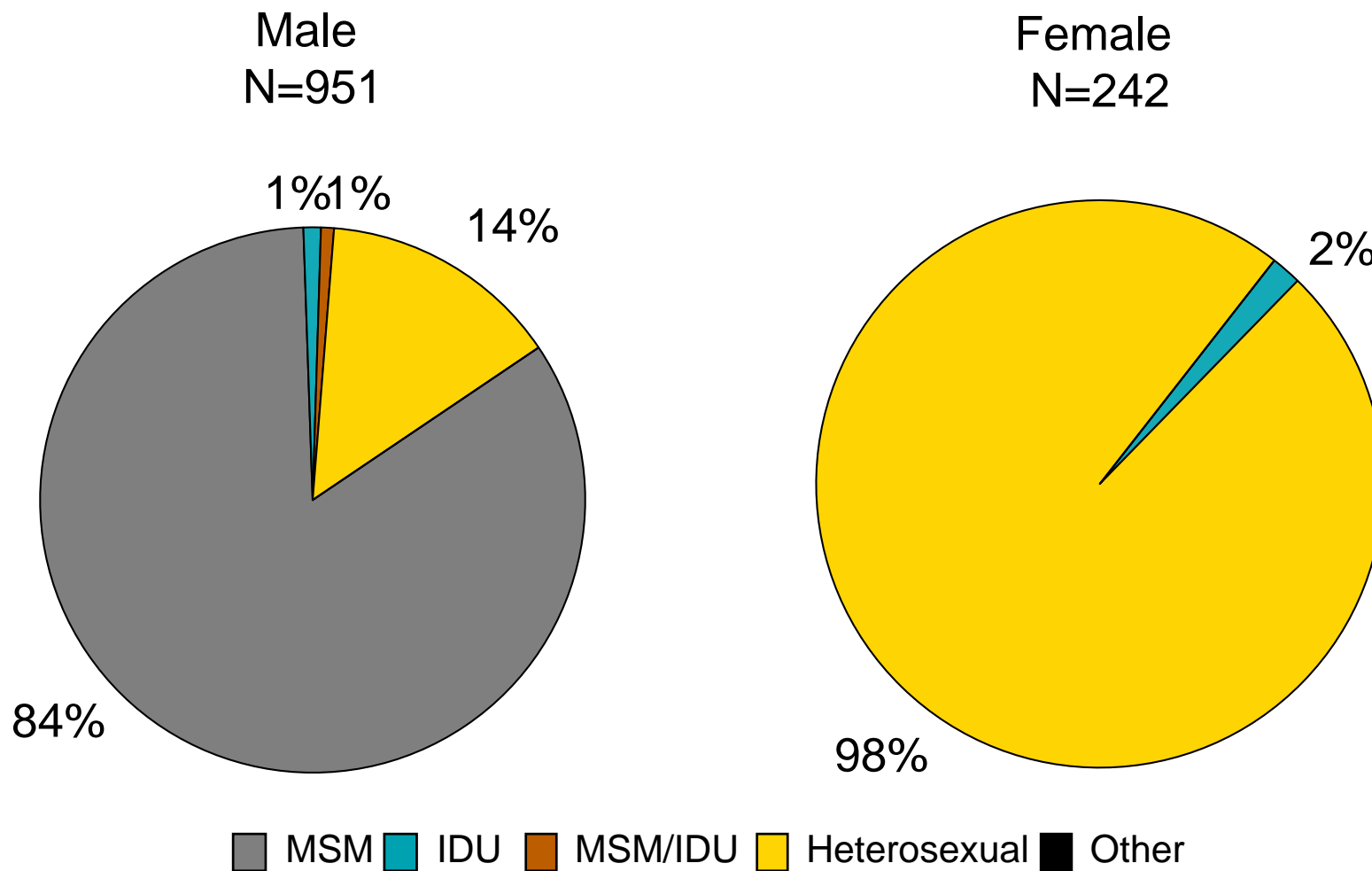
Adult (Age 13+) **Female HIV Cases** by Race/Ethnicity and Age at Diagnosis, Miami-Dade County, Diagnosed in **2017**



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

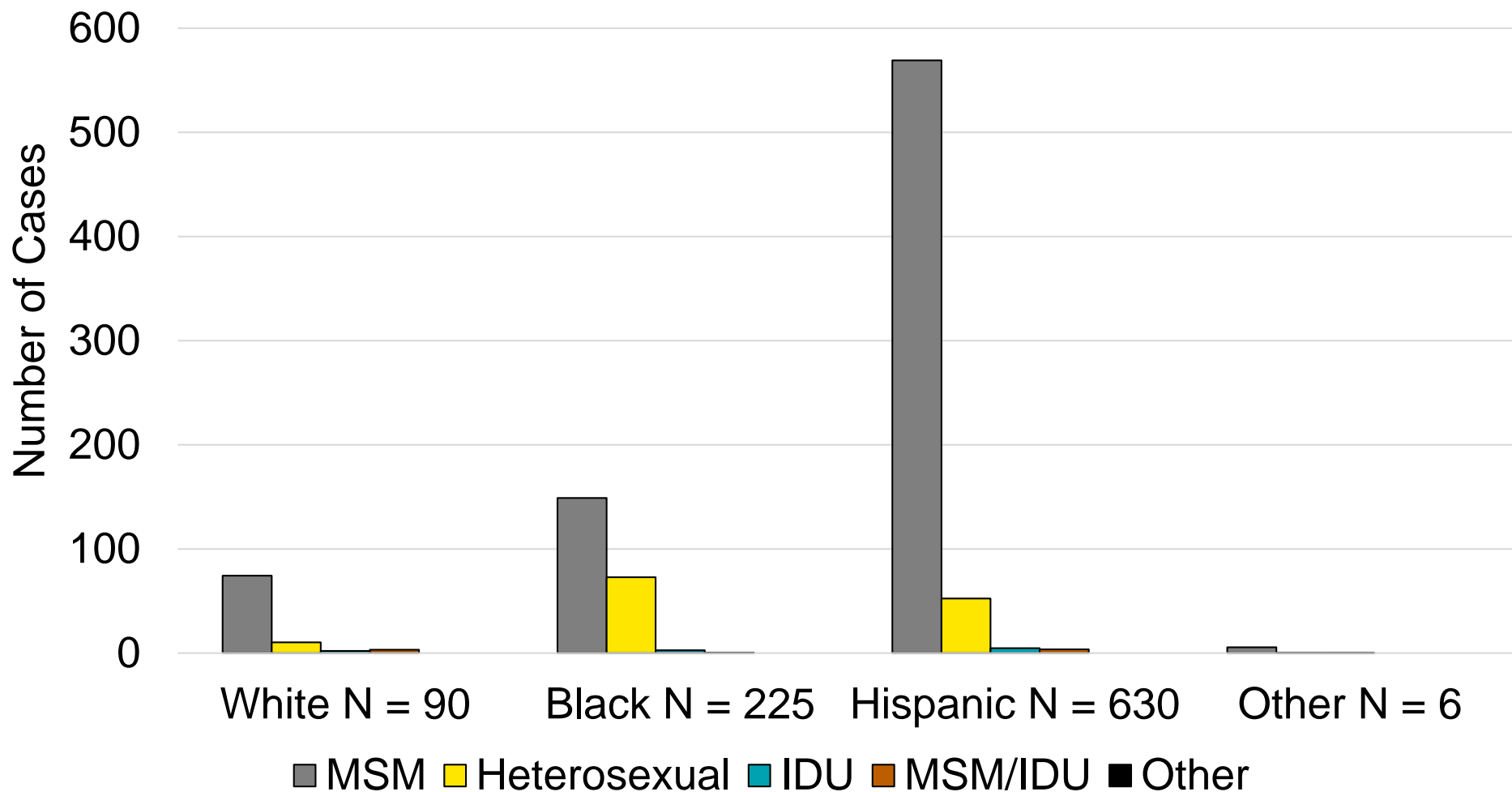
Adult (Age 13+) **HIV Cases** for **Males** and **Females**, by Mode of Exposure, Miami-Dade County, **2017**



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Other Risk includes hemophilia, transfusion, perinatal and other pediatric risks as well as other confirmed risks.

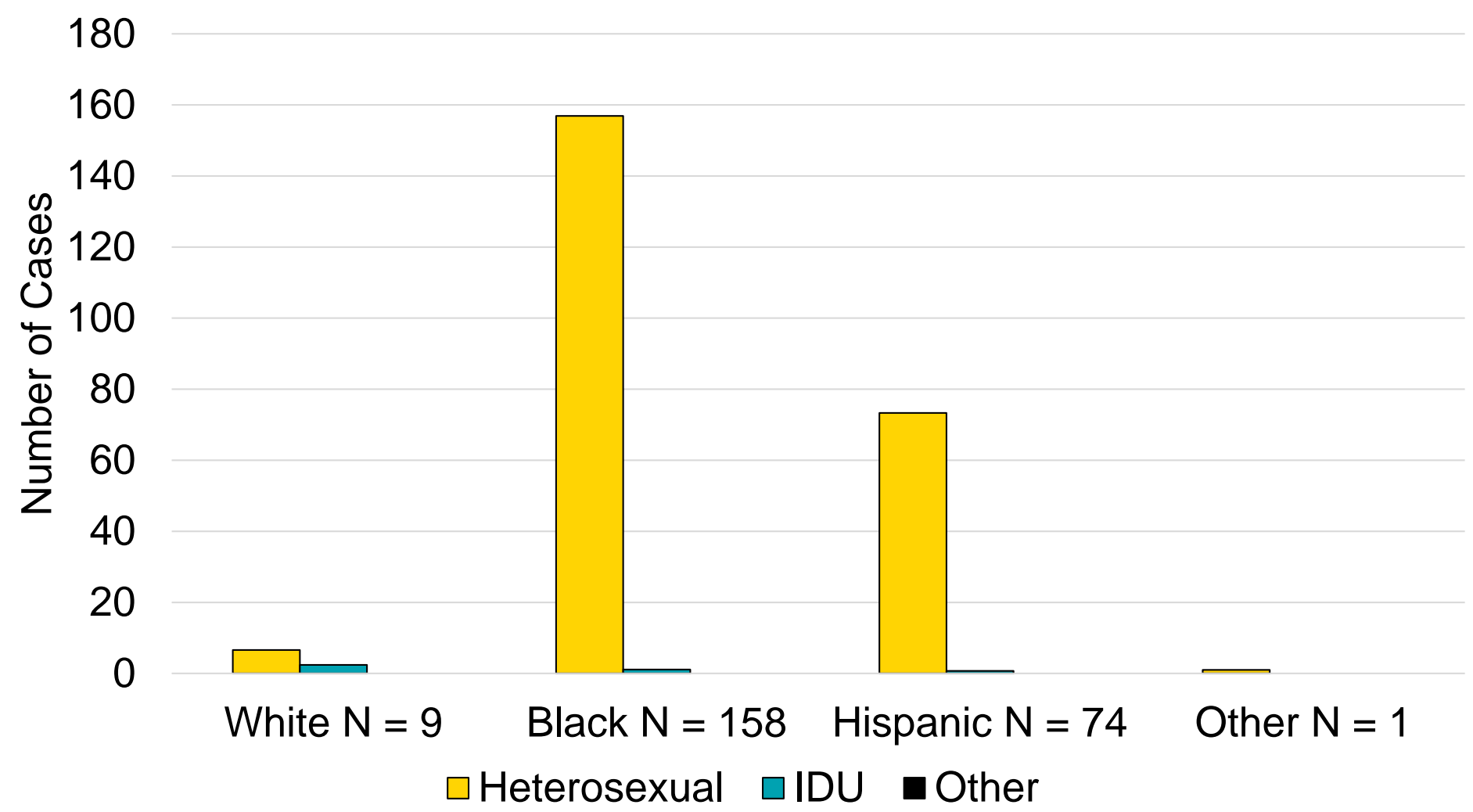
Adult (Age 13+) **Male HIV Cases** by Race/Ethnicity and Mode of Exposure, Miami-Dade County, Diagnosed in **2017**



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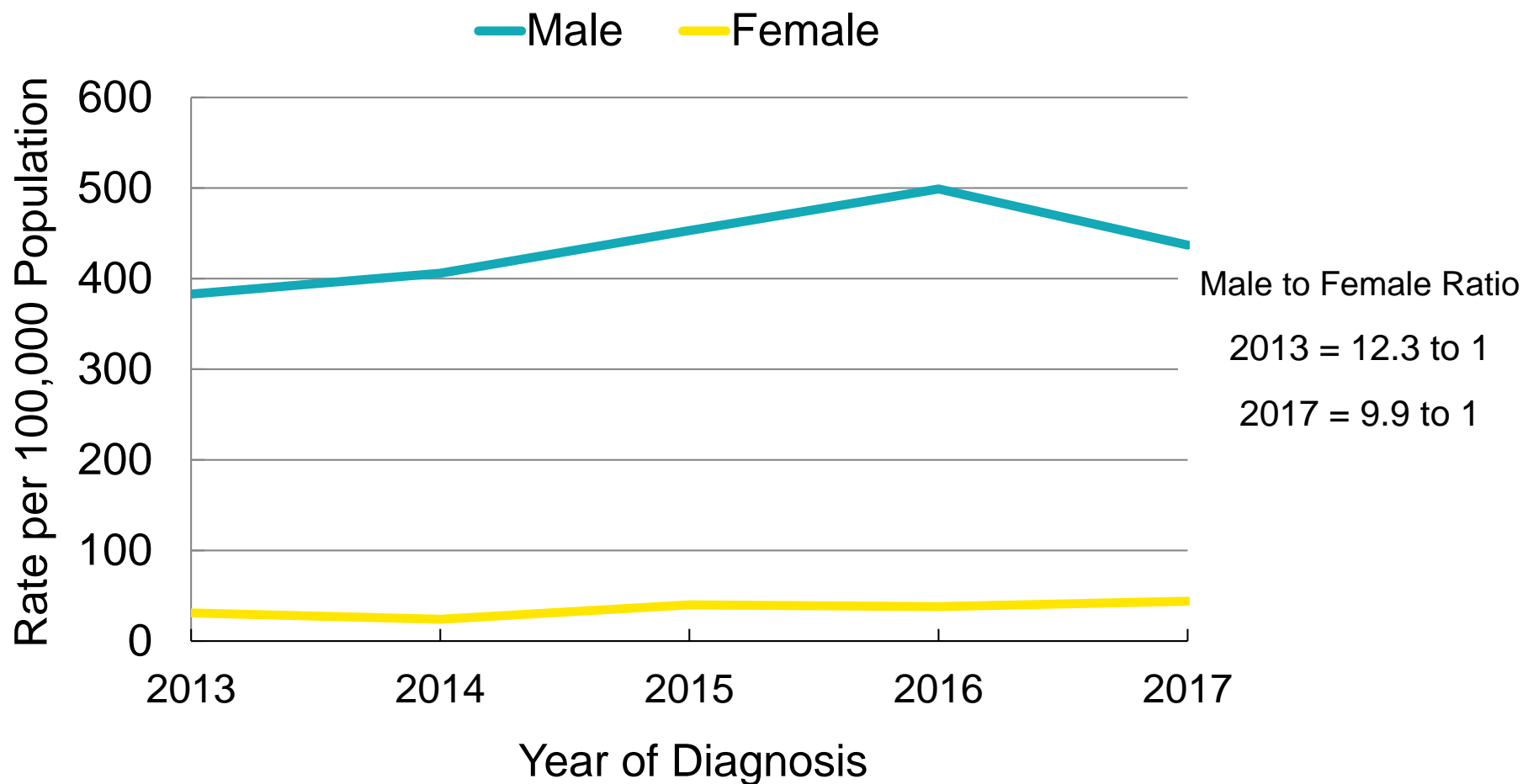
Other includes Asian/Pacific Islander, Native Alaskan/American Indian and Multi-racial individuals.
Other Risk includes hemophilia, transfusion, perinatal and other pediatric risks as well as other confirmed risks.

Adult (Age 13+) **Female HIV Cases** by Race/Ethnicity and Mode of Exposure, Miami-Dade County, Diagnosed in **2017**



Co-Morbidity Data

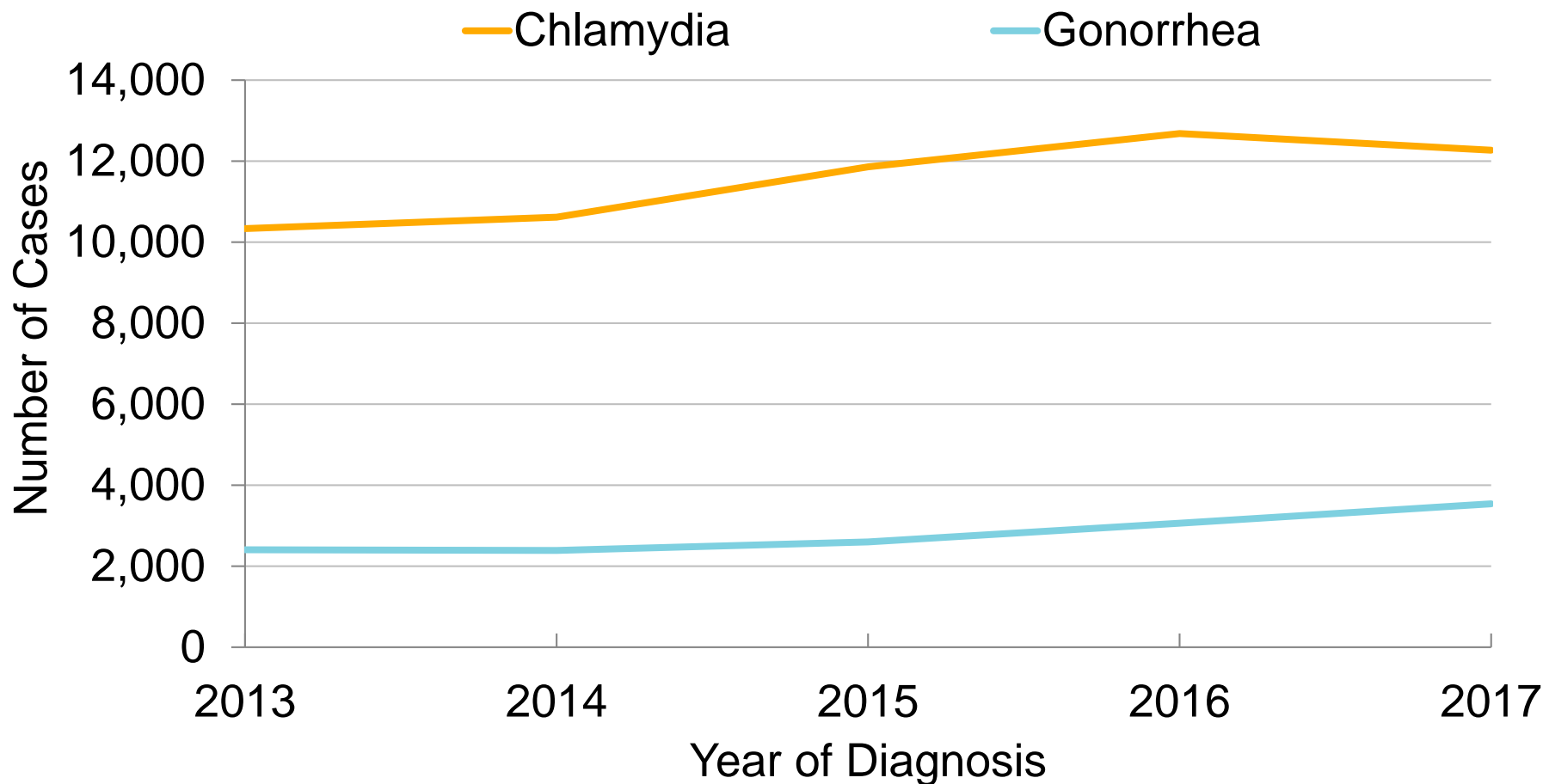
Adult (Age 13+) Infectious Syphilis Case Rates¹ by Sex and Year of Diagnosis, Miami-Dade County, **2013–2017**



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 Gonorrhea**¹ Cases, Miami-Dade County, Diagnosed **2013–2017**



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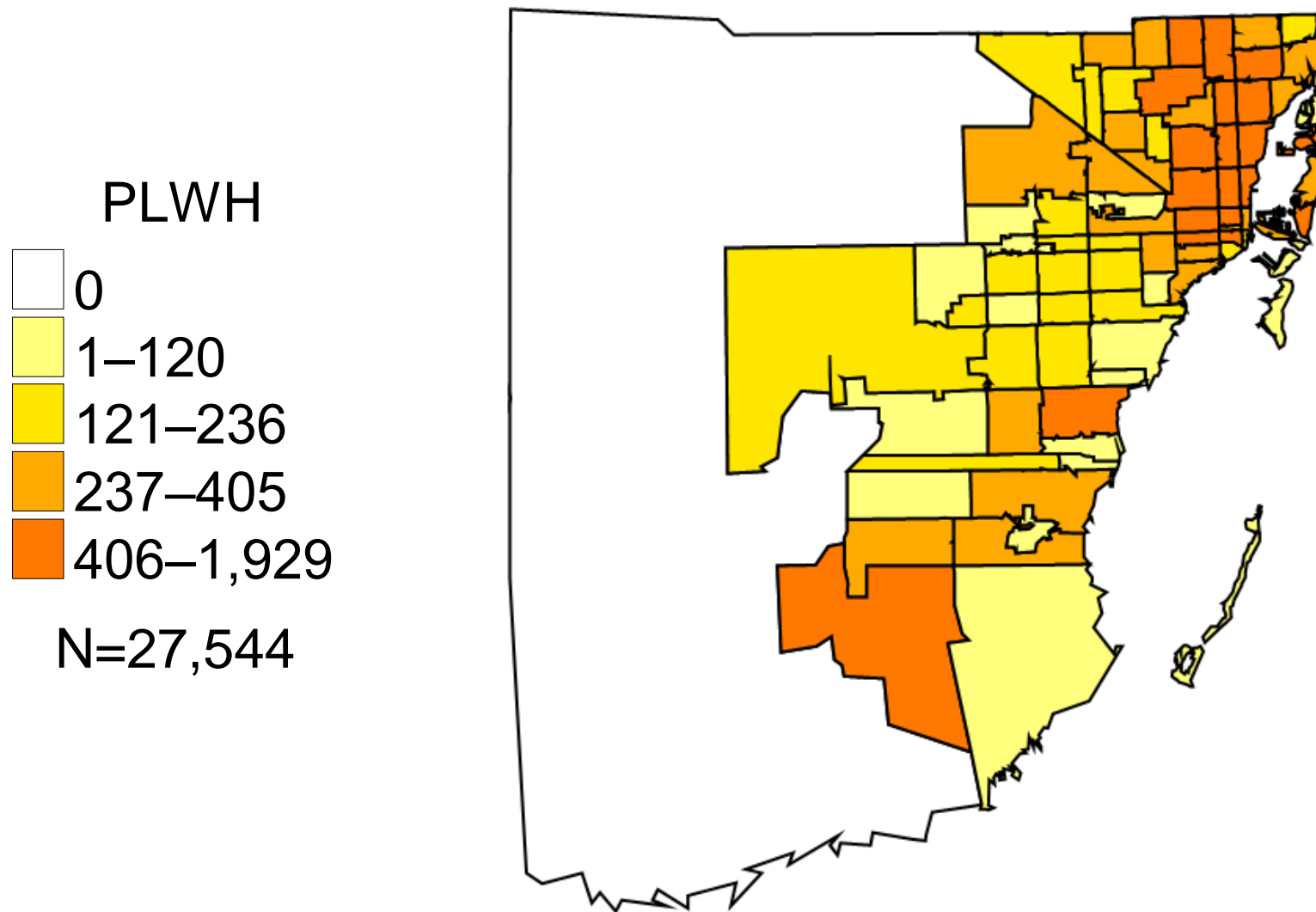
¹Source: STD data provided by the Sexually Transmitted Disease & Viral Hepatitis Section.

Adult (Age 13+) **AIDS Diagnoses with TB**¹ by Year of TB Report², **2013–2017**, Miami-Dade County

Years of TB Report	TB/HIV
2013	20
2014	17
2015	18
2016	13
2017	7

Persons Living with HIV

Adults (Age 13+) Living with HIV by ZIP Code of Current Residence, Miami-Dade County, Year-end 2017

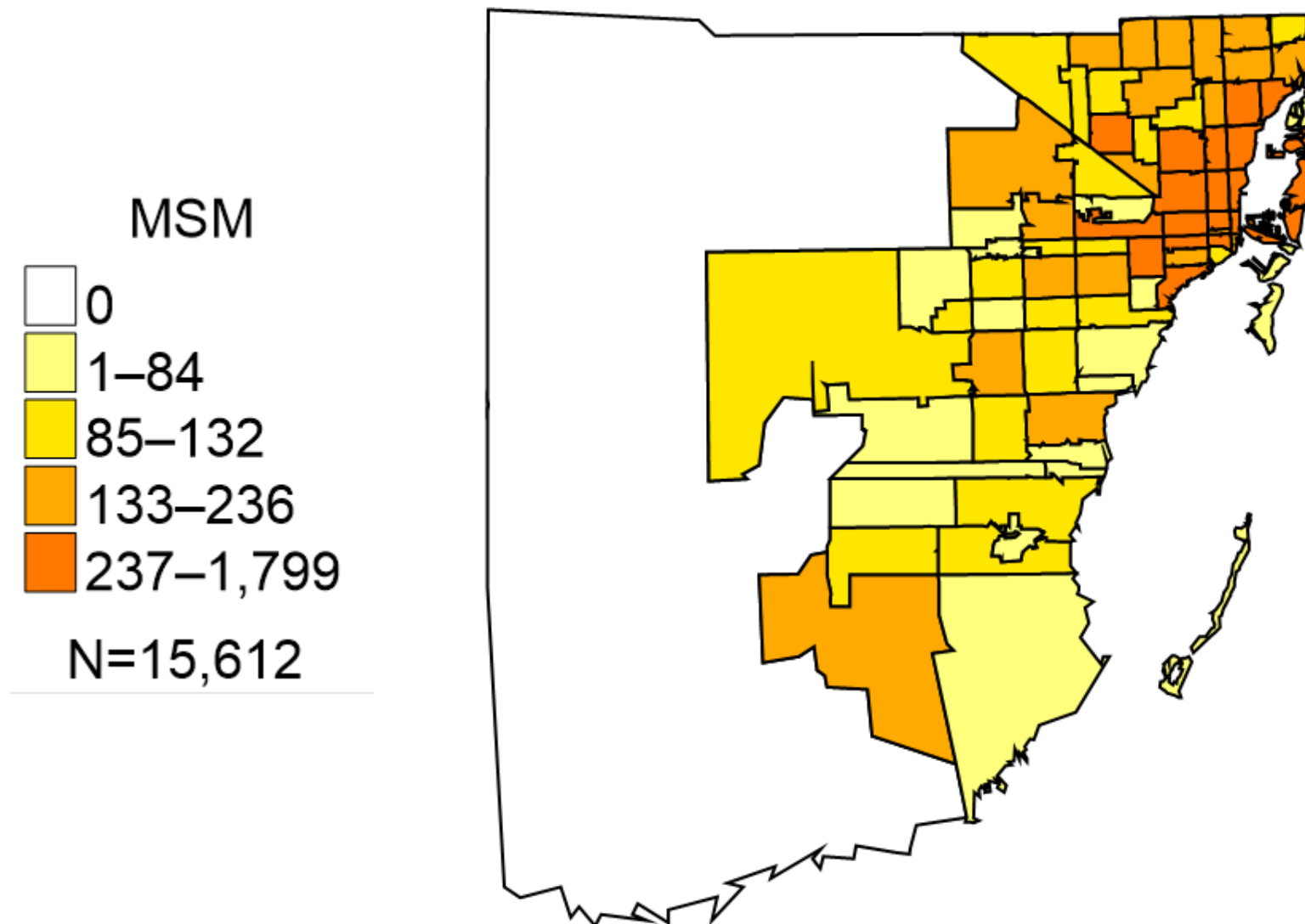


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¹Excludes DOC, homeless, and cases with unknown zips. Data as of 6/30/2018

MSM¹ Living with HIV

By ZIP, Miami-Dade County, Year-end 2017

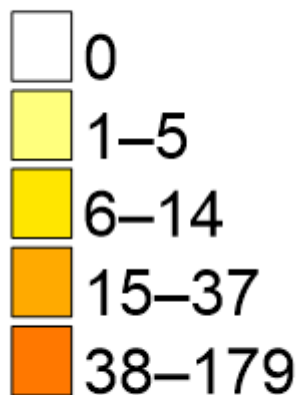


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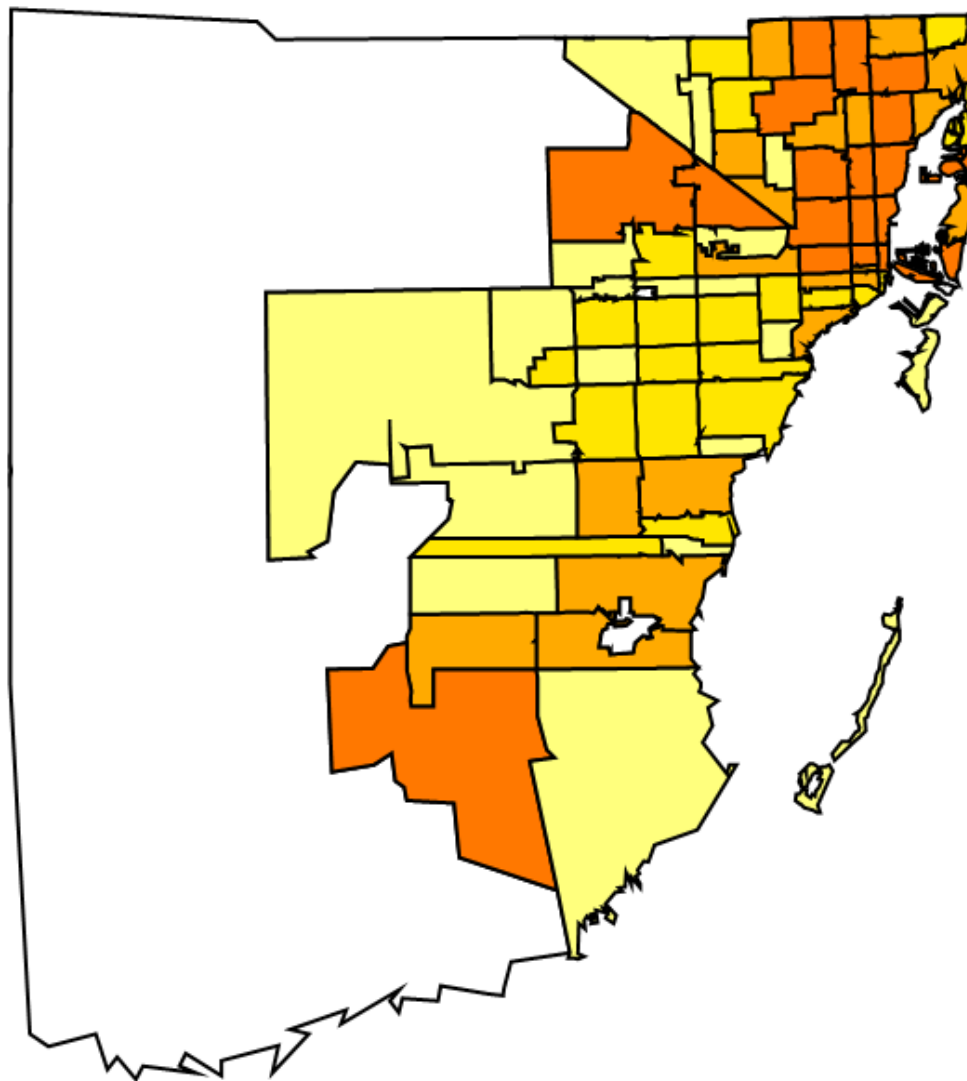
¹Includes MSM and MSM/IDU cases. Excludes DOC, homeless, and cases with unknown zips. Data as of 6/30/2018

Person's Who Inject Drugs¹ Living with HIV By ZIP, Miami-Dade County, Year-end **2017**

Injection Drug Use



N=2,345

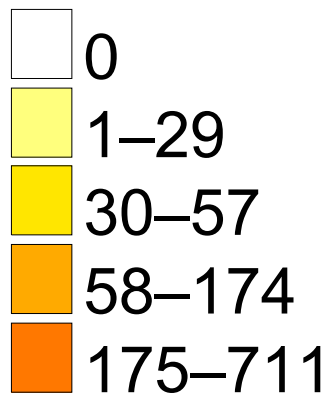


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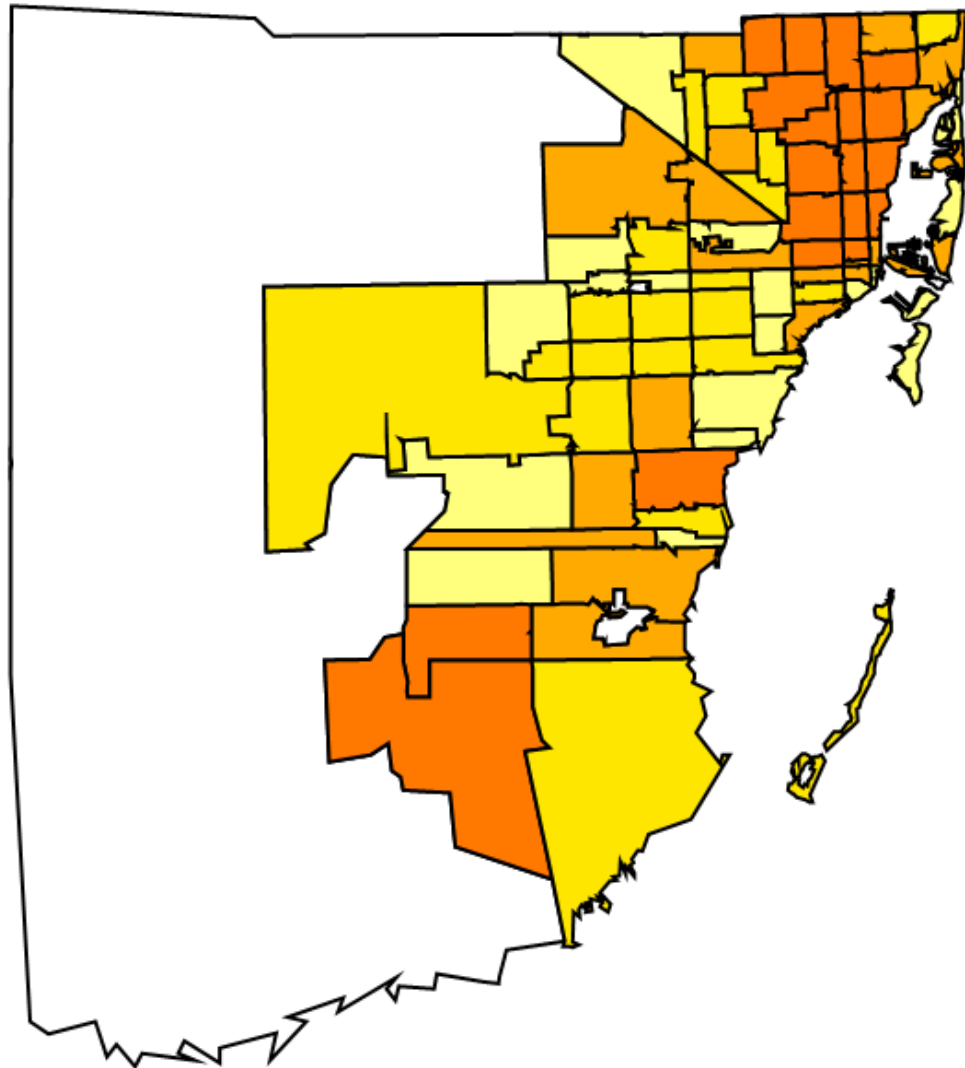
¹Includes IDU and MSM/IDU cases. Excludes DOC, homeless, and cases with unknown zips. Data as of 6/30/2018

Adult (Age 13+) Heterosexuals Living with HIV By ZIP, Miami-Dade County, Year-end **2017**

Heterosexual Contact







N=9,946



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¹Excludes DOC, homeless, and cases with unknown zips. Data as of 6/30/2018

One-In-Statements for Adults (Age 13+) Living with HIV in Miami-Dade County, Year-end **2017**

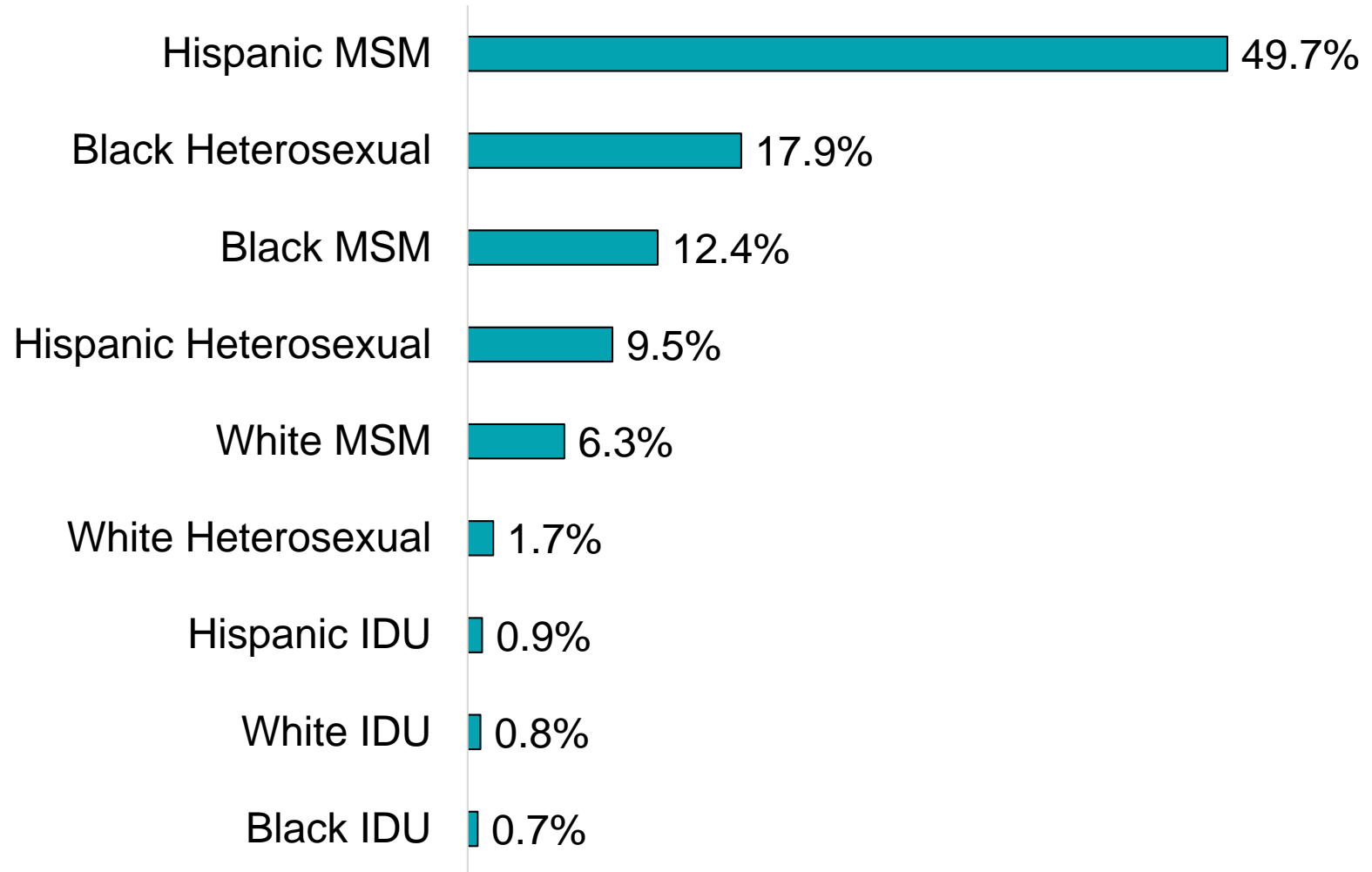
-  One in **84** adults in Miami-Dade County County were known to be living with HIV
-  One in **108** Whites were living with HIV
-  One in **31** Blacks were living with HIV
-  One in **127** Hispanics were living with HIV

Adults (Age 13+)

Living with HIV, in Miami-Dade County, Year-end **2017**

	Male	(%)	Female	(%)
Race/Ethnicity				
White	2,658	12.8%	340	4.7%
Black	6,946	33.5%	5,011	69.8%
Hispanic	10,883	52.4%	1,740	24.2%
Other	275	1.3%	85	1.2%
Age Group				
13–19	70	0.3%	46	0.6%
20–29	1,664	8.0%	479	6.7%
30–39	3,281	15.8%	1,164	16.2%
40–49	4,749	22.9%	1,640	22.9%
50+	10,998	53.0%	3,847	53.6%
Mode of Exposure				
MSM	15,060	72.5%	0	0.0%
IDU	947	4.6%	686	9.6%
MSM/IDU	763	3.7%	0	0.0%
Heterosexual	3,828	18.4%	6,297	87.8%
Other risk	164	0.8%	193	2.7%
Total				
Total	20,762	100.0%	7,176	100.0%

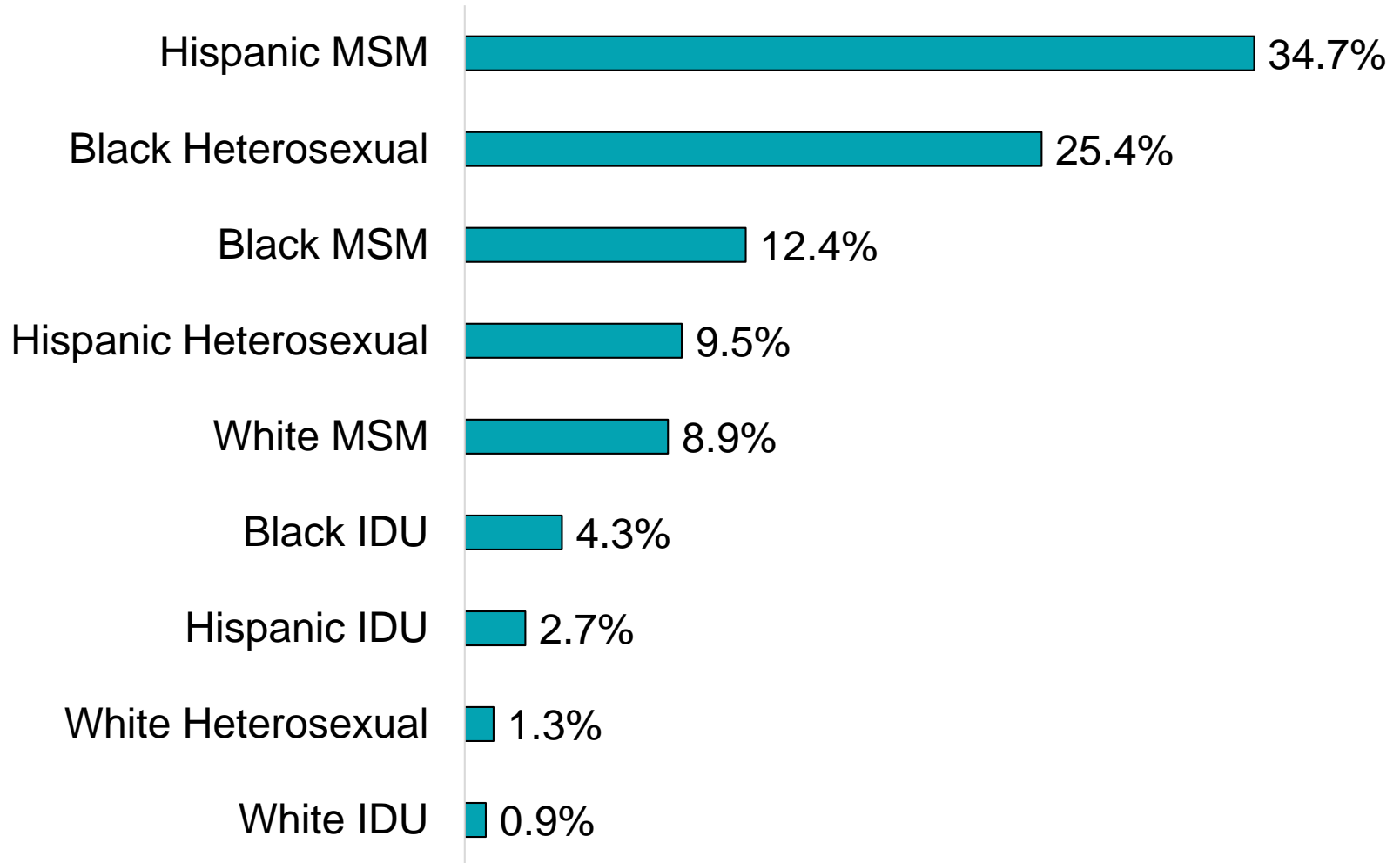
Miami-Dade County County's Top-Nine Priority Populations¹ for **Primary HIV Prevention, 2017**



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






Miami-Dade County County's Top-Nine Priority Populations¹ **Prevention for Positives, 2017**



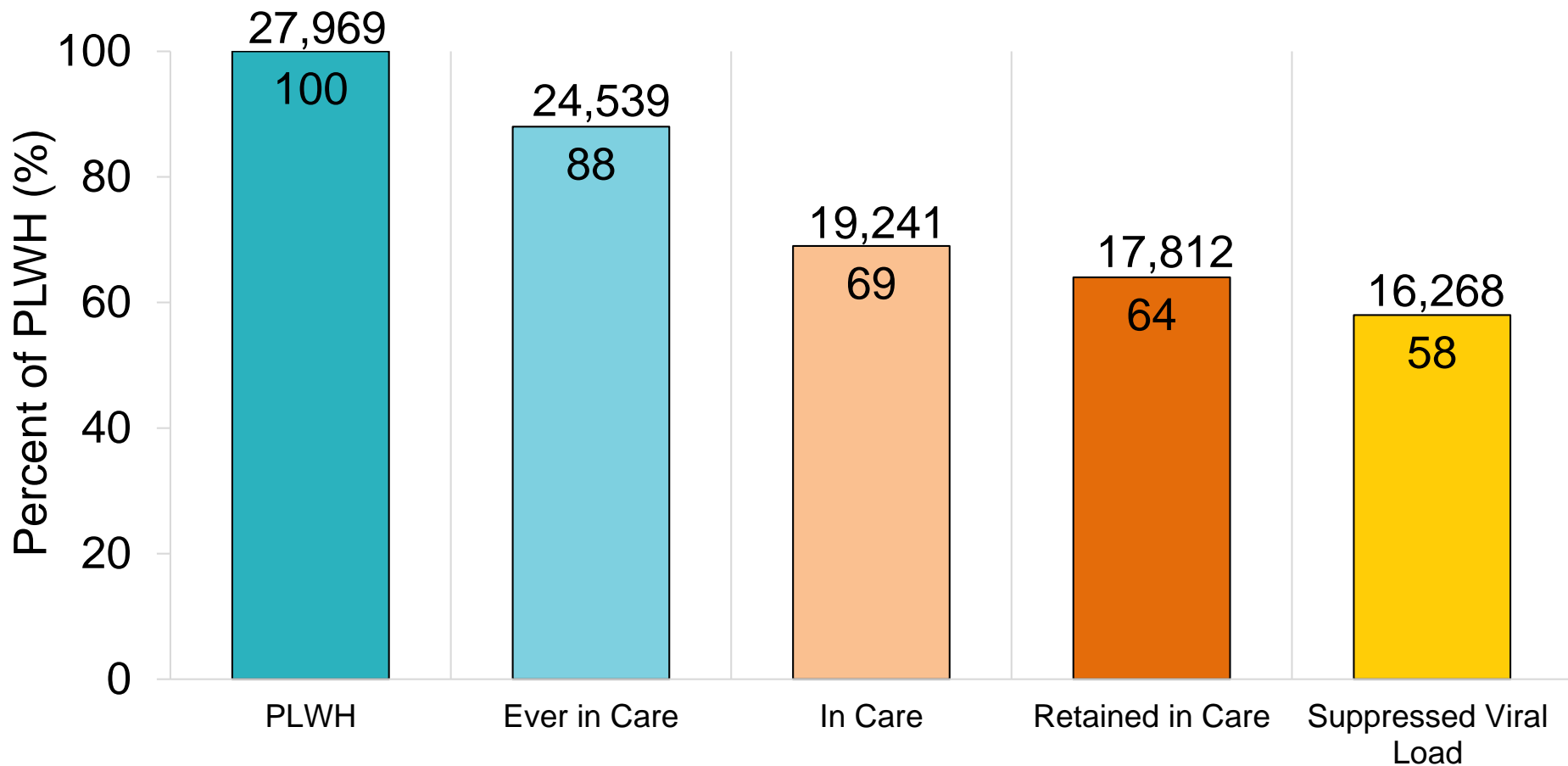
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¹MSM=(MSM and MSM/IDU Diagnoses) and IDU=(IDU and MSM/IDU Diagnoses), therefore the data are not mutually exclusive.

HIV Care Continuum Definitions

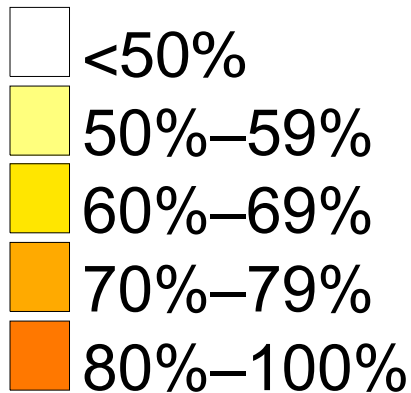
-  **HIV Diagnosed:** The number of persons known to be diagnosed and living in Florida with HIV (PLWH) at the end of 2017, from data as of 6/30/2018
-  **Ever in Care:** PLWH with at least one documented Viral Load (VL) or CD4 lab, medical visit, or prescription from HIV diagnosis through 3/31/2018
-  **Currently in Care:** PLWH with at least one documented VL or CD4 lab, medical visit, or prescription from 1/1/2017 through 3/31/2018
-  **Retained in Care:** PLWH with two or more documented VL or CD4 labs, medical visits, or prescriptions at least three months apart from 1/1/2017 through 6/30/2018
-  **Suppressed Viral Load:** PLWH with a suppressed VL (<200 copies/mL) on the last VL from 1/1/2017 through 3/31/2018

Persons Living with HIV (PLWH) in Miami-Dade County along the HIV Care Continuum in **2017**

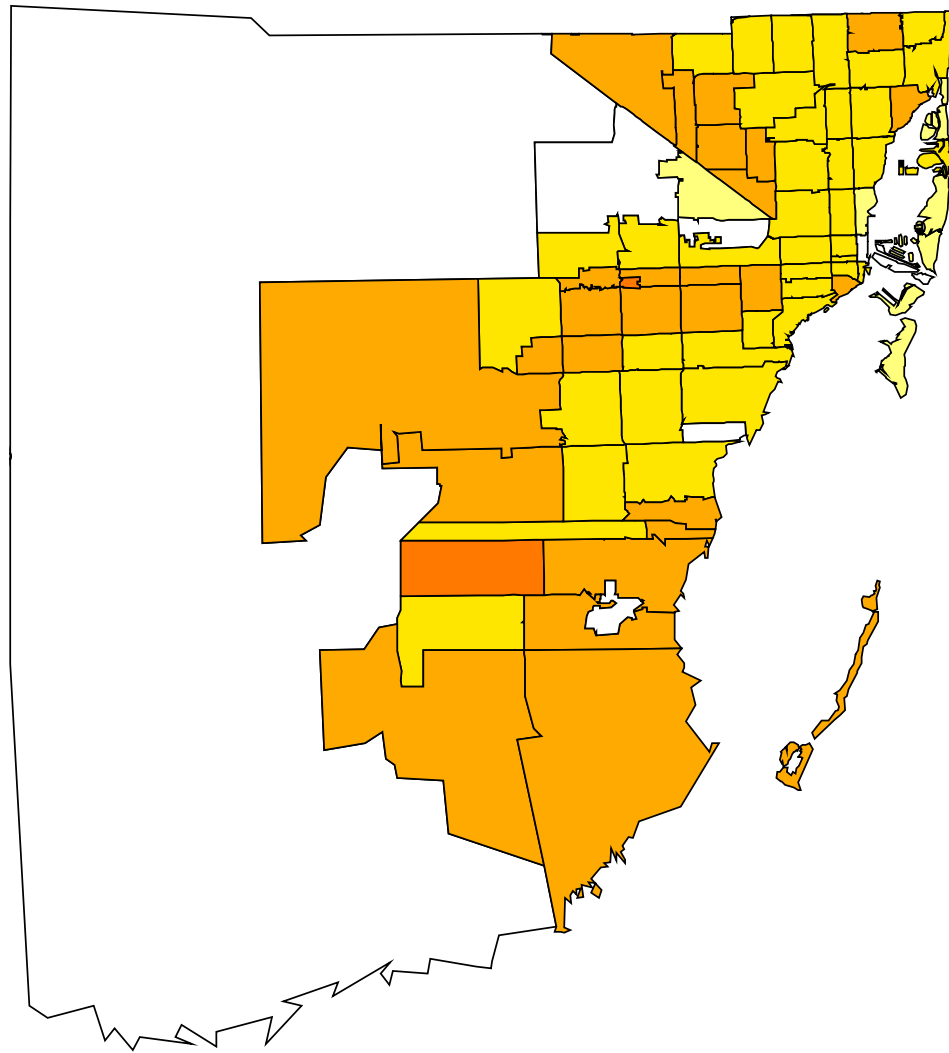


Percentage of Persons Living with HIV (PLWH) in Miami-Dade County, who were Retained in Care¹ in **2017**

Retained in Care

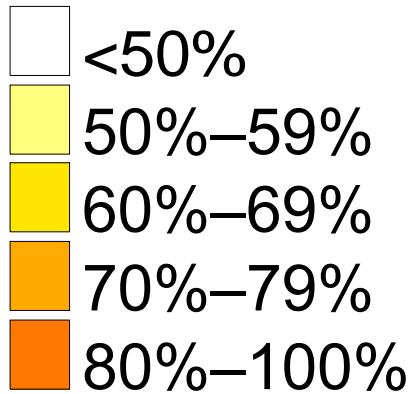


Overall 65%

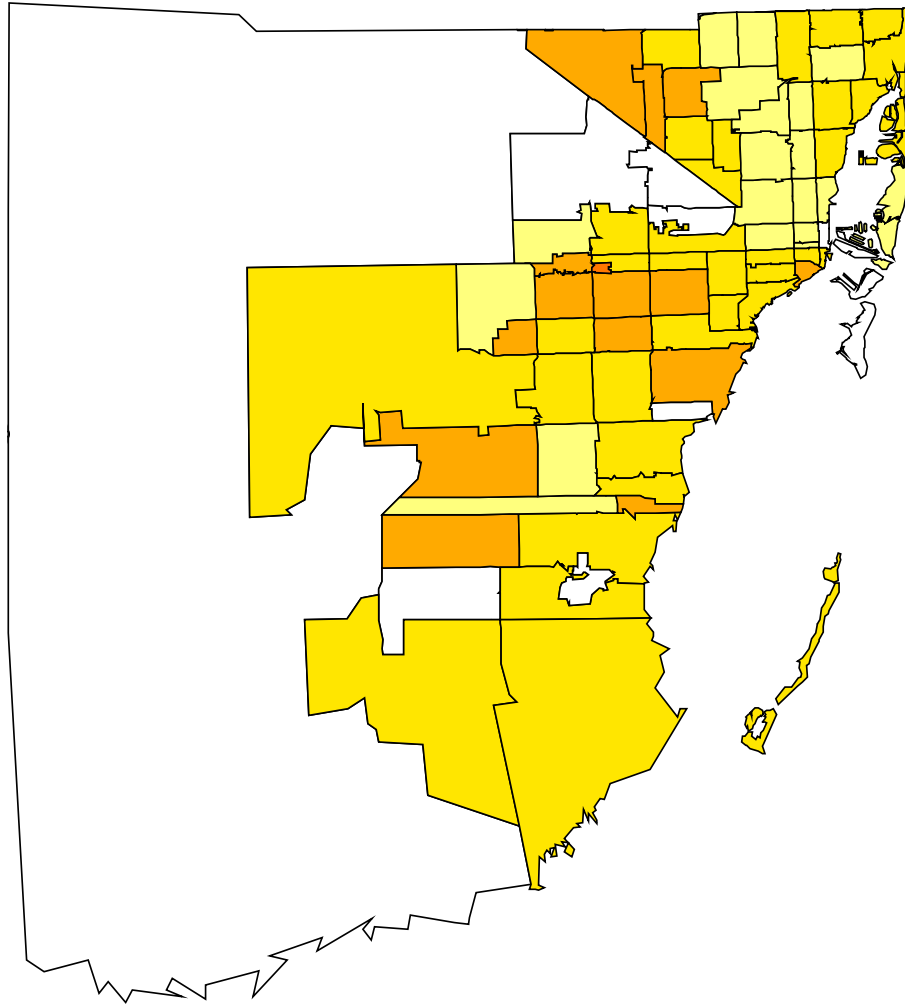


Percentage of Persons Living with HIV (PLWH) in Miami-Dade County who had a Suppressed Viral Load (VL), 2017

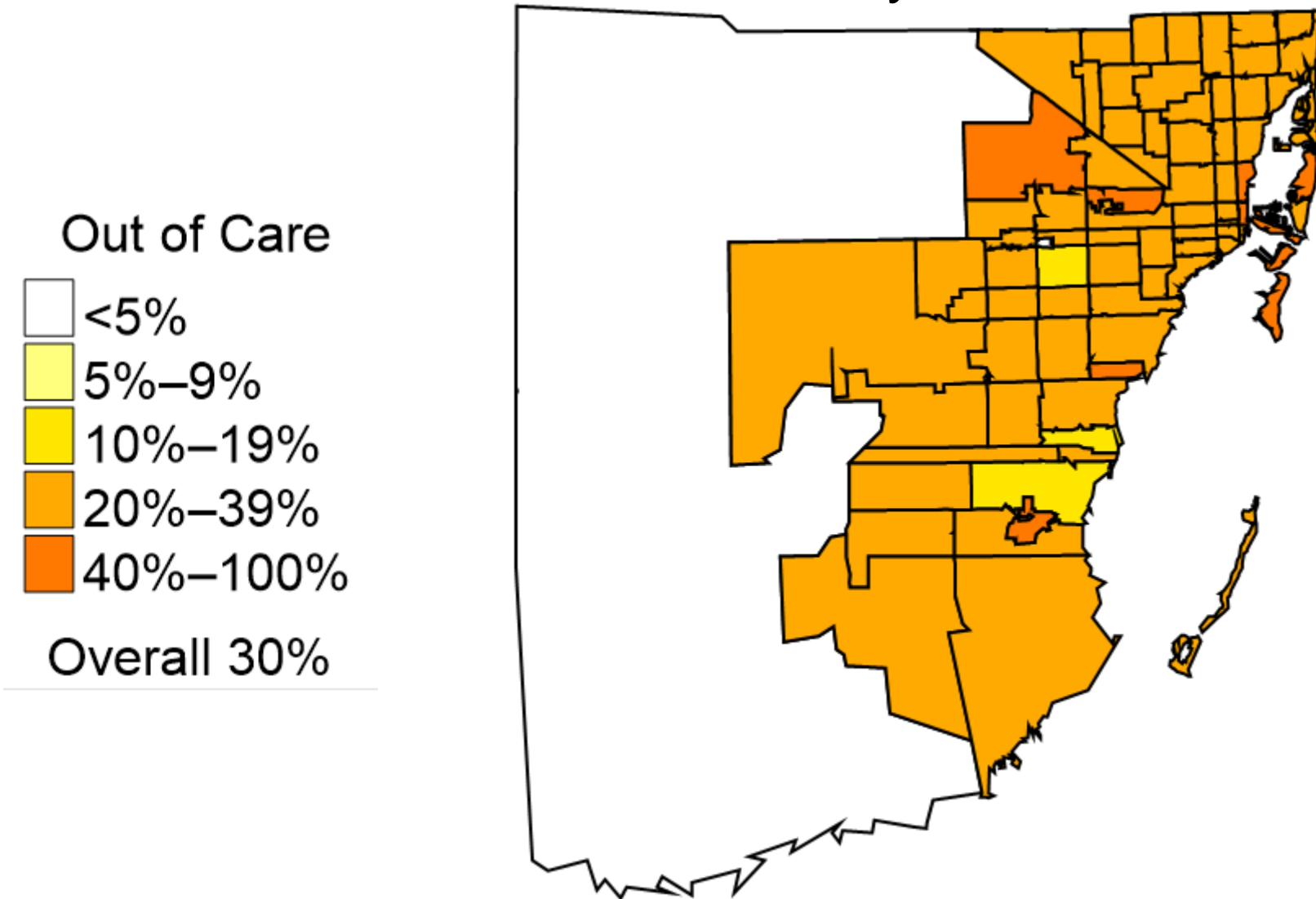
Suppressed VL



Overall 59%



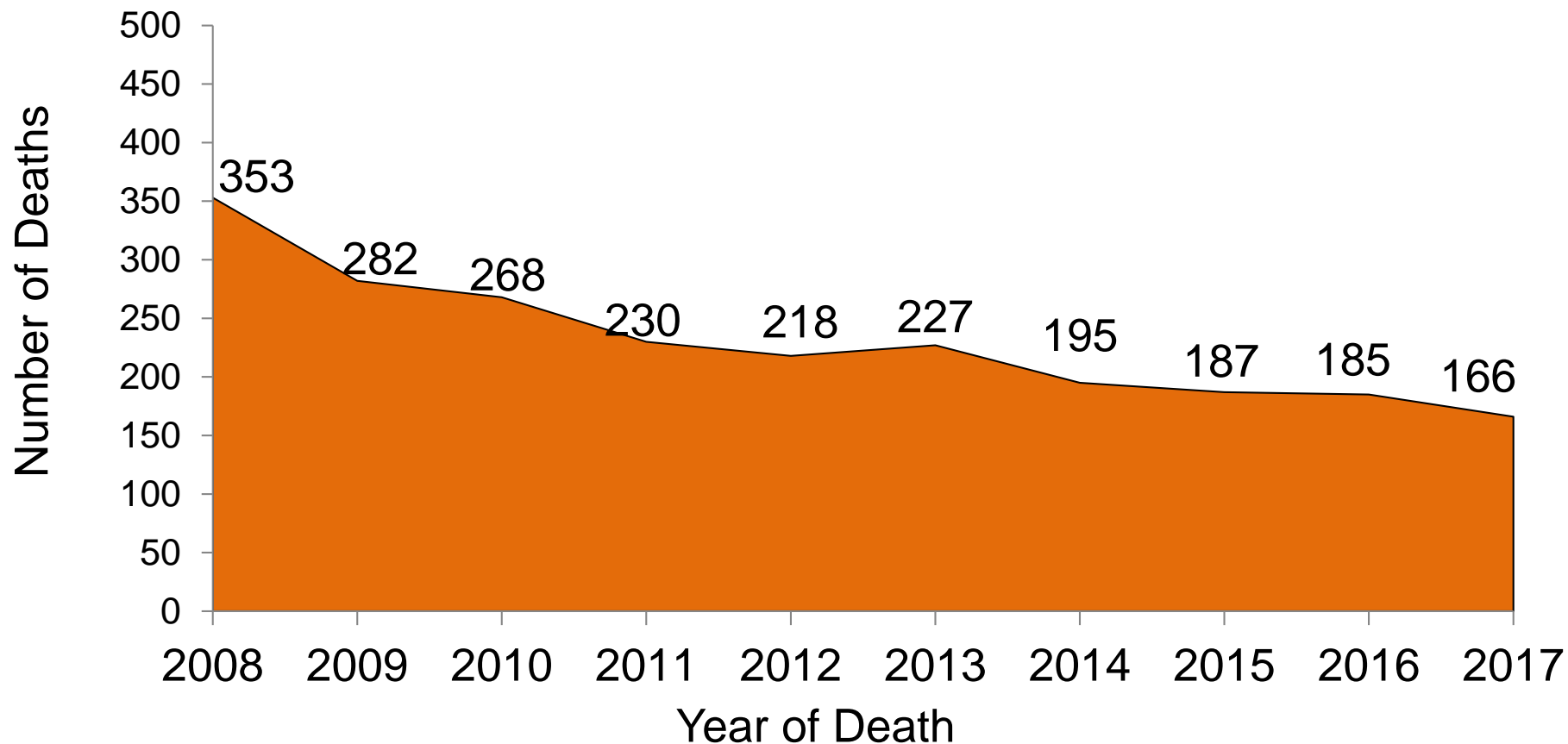
Percentage of Persons Out of Care In Miami-Dade County, 2017



Resident HIV Deaths by Year of Death

Resident Deaths Due to HIV by Year of Death, Miami-Dade County, **2008–2017**

10 year % change (2008–2017) = 53% decrease



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>

Miami-Dade County County Surveillance Contacts:

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HIV/AIDS surveillance data are frozen on June 30, following the end of each calendar year.

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

www.floridacharts.com/charts/CommunicableDiseases/default.aspx



Division of Disease Control and Health Protection

To protect, promote and improve the health of all people in Florida through integrated state, county, and community efforts.

Transgender & Commission District (Additional Data)

Transgender¹ Adults (Age 13+)

Living with HIV in Florida and Miami-Dade County

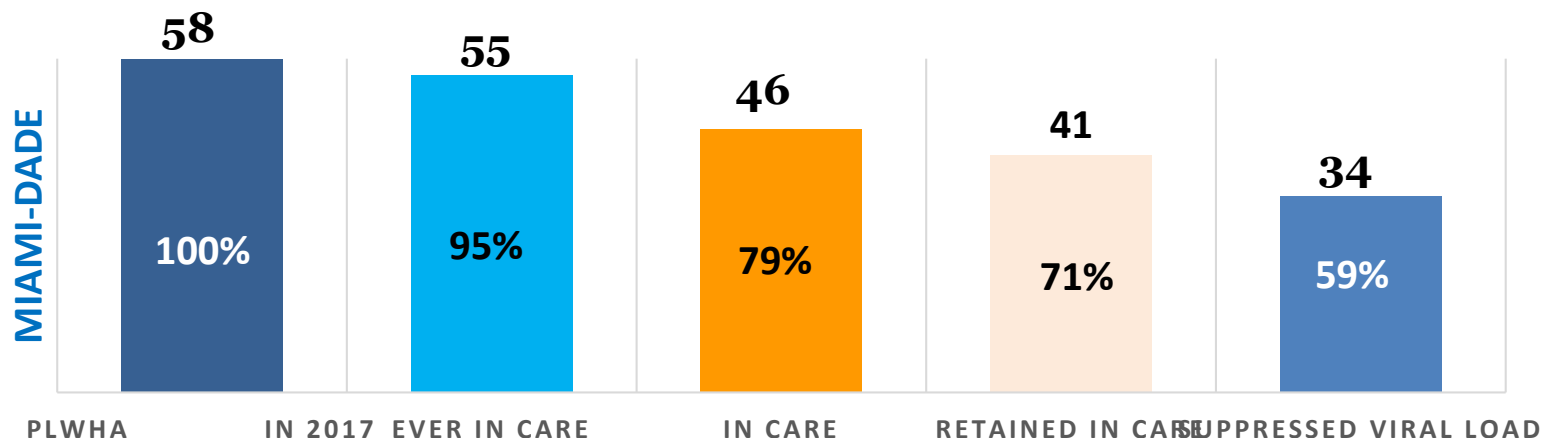
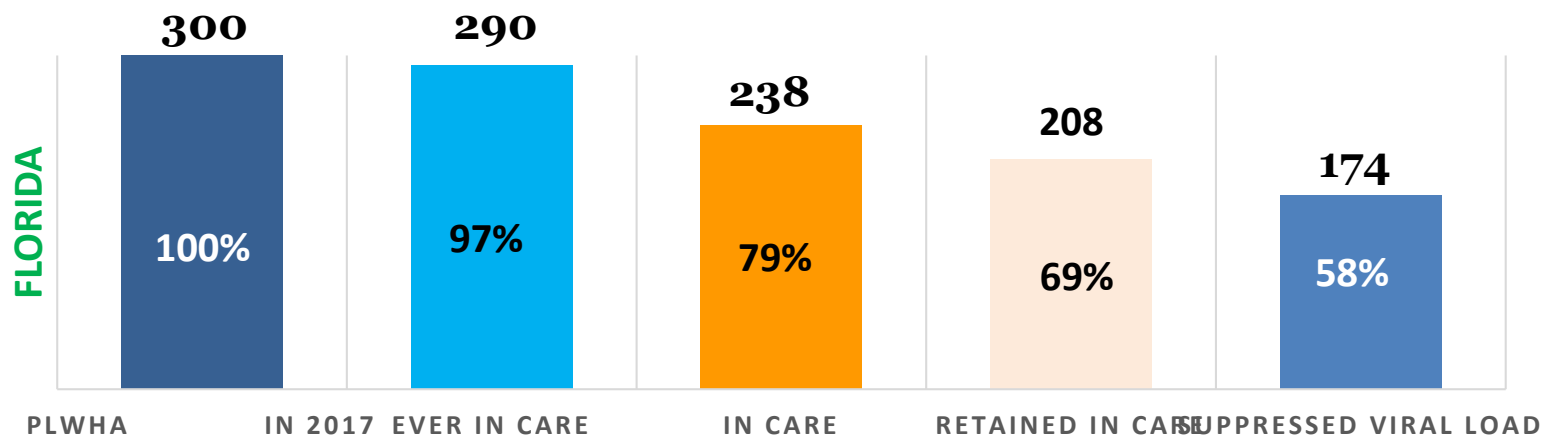
2017

TRANSGENDER	FLORIDA				MIAMI-DADE			
	Female to Male		Male to Female		Female to Male		Male to Female	
Race/Ethnicity	Cases	%	Cases	%	Cases	%	Cases	%
White	4	40%	54	18%	1	50%	4	7%
Black	4	40%	150	50%	1	50%	19	33%
Hispanic	2	20%	86	29%	0	0%	35	60%
Other	0	0%	10	3%	0	0%	0	0%
Age Group	Cases	%	Cases	%	Cases	%	Cases	%
13-19	0	0%	2	1%	0	0%	0	0%
20-29	6	60%	73	24%	1	50%	16	28%
30-39	1	10%	111	37%	0	0%	19	33%
40-49	1	10%	54	18%	0	0%	12	21%
50+	2	20%	60	20%	1	50%	11	19%
Risk Category	Cases	%	Cases	%	Cases	%	Cases	%
Sexual Transmission	9	100%	267	93%	2	100%	54	93%
IDU	0	0%	0	0%	0	0%	0	0%
Sexual Transmission/IDU	0	0%	33	7%	0	0%	4	7%
Other Risk	1	0%	0	0%	0	0%	0	0%
TOTAL	10	100%	300	100%	2	100%	58	100%

Transgender adults are those who identified as and live as a gender which is different than their sex assigned at birth. Transgender Female to Male represent those with a birth sex of female but identify as men. Transgender Male to Female represent those with a birth sex of male identify as women.

¹Transgender data **were not** aggressively collected or recorded, therefore numbers may be underrepresented.

Adult (age 13+) Transgender¹ Women (Male to Female) Living with HIV in Florida and Miami-Dade County Along the HIV Care Continuum in 2017



¹Transgender Women is defined as those whose sex assigned at birth is male but who identified as female.
Data were not aggressively collected or recorded, therefore numbers may be underrepresented.

Persons living with HIV/AIDS [PLWHA] in 2017 randomly overlapped onto Commission District

The present distribution of persons living with HIV in 2017 (n=27,969) in our county, is **for illustrative purpose only**. Our database does not collect census tract data, however, ZIP code data is provided. This geographic distribution shows PLWHA **randomly** overlapped onto Commission District areas.

