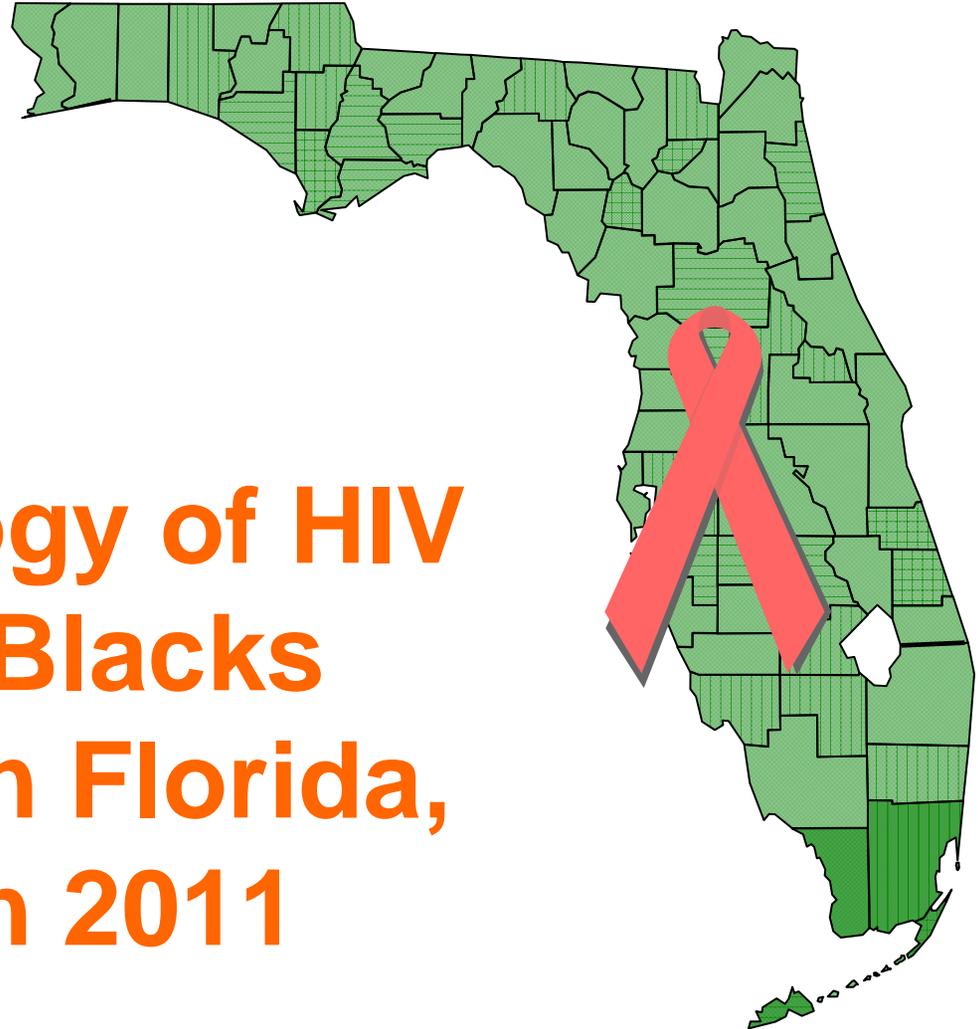


Created: 07/31/12

Revision: 11/06/12

Epidemiology of HIV among Blacks Reported in Florida, Through 2011



Florida Department of Health
HIV/AIDS & Hepatitis Program
Annual data trends as of 12/31/2011
Living (Prevalence) data as of 05/16/2012



HIV and AIDS Case Data

- ⦿ **Adult cases represent ages 13 and older, pediatric cases are those under the age of 13. For data by year, the age is by age of 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 and blacks are non-Hispanic.**
- ⦿ **Total statewide data will include Department of Correction Cases (DOC) unless otherwise noted. County data will exclude DOC cases.**
- ⦿ **HIV prevalence data are generated later in the year, usually in May, when most of the “expected” death data are complete.**

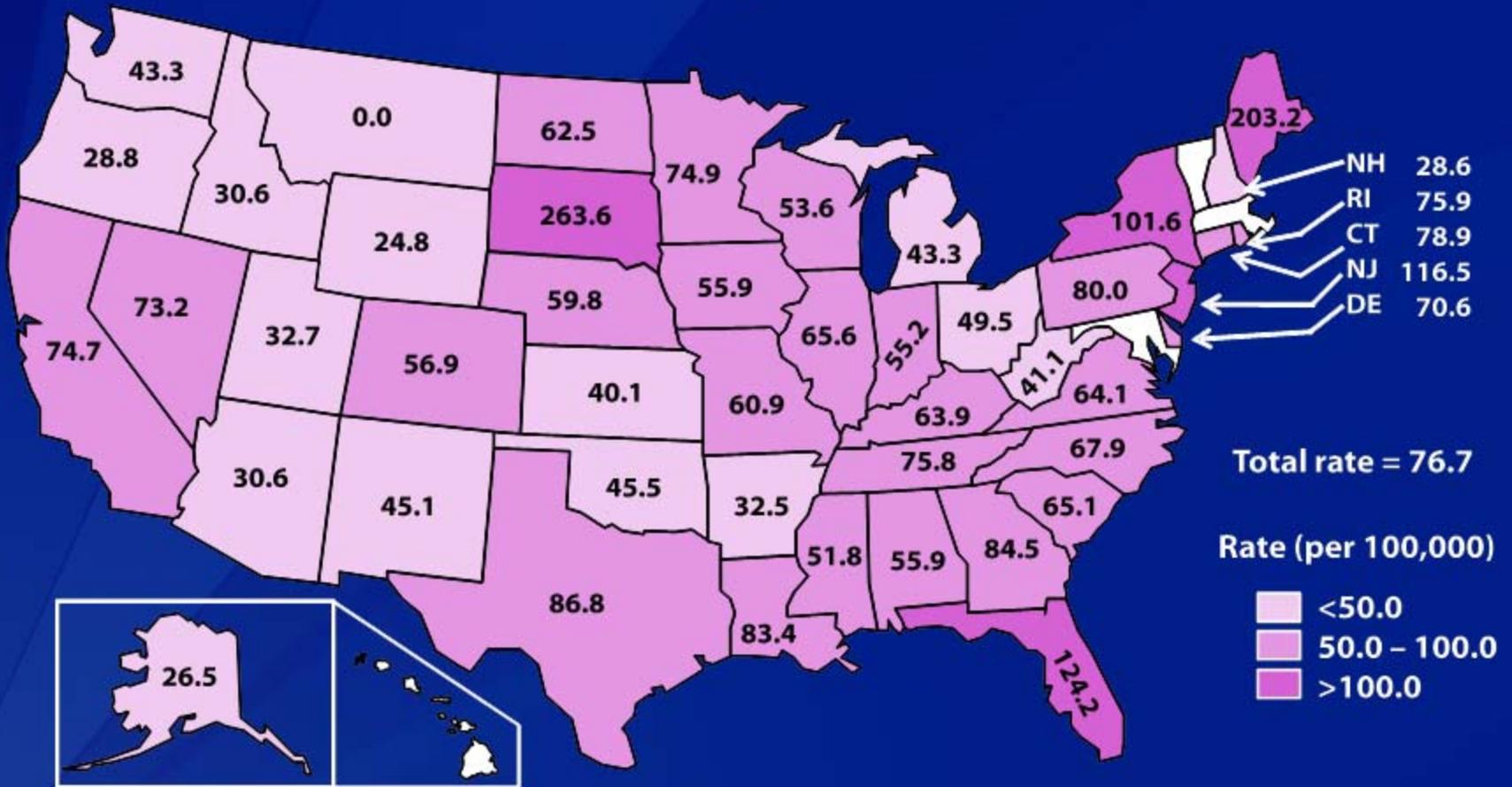
Selected slides from the Florida HIV Trends Slide Set, see site below for entire set.

http://www.doh.state.fl.us/disease_ctrl/aids/trends/slides/slides.html



Rates of Diagnoses of HIV Infection among Adult and Adolescent Blacks/African Americans, 2010—46 States

N = 21,711



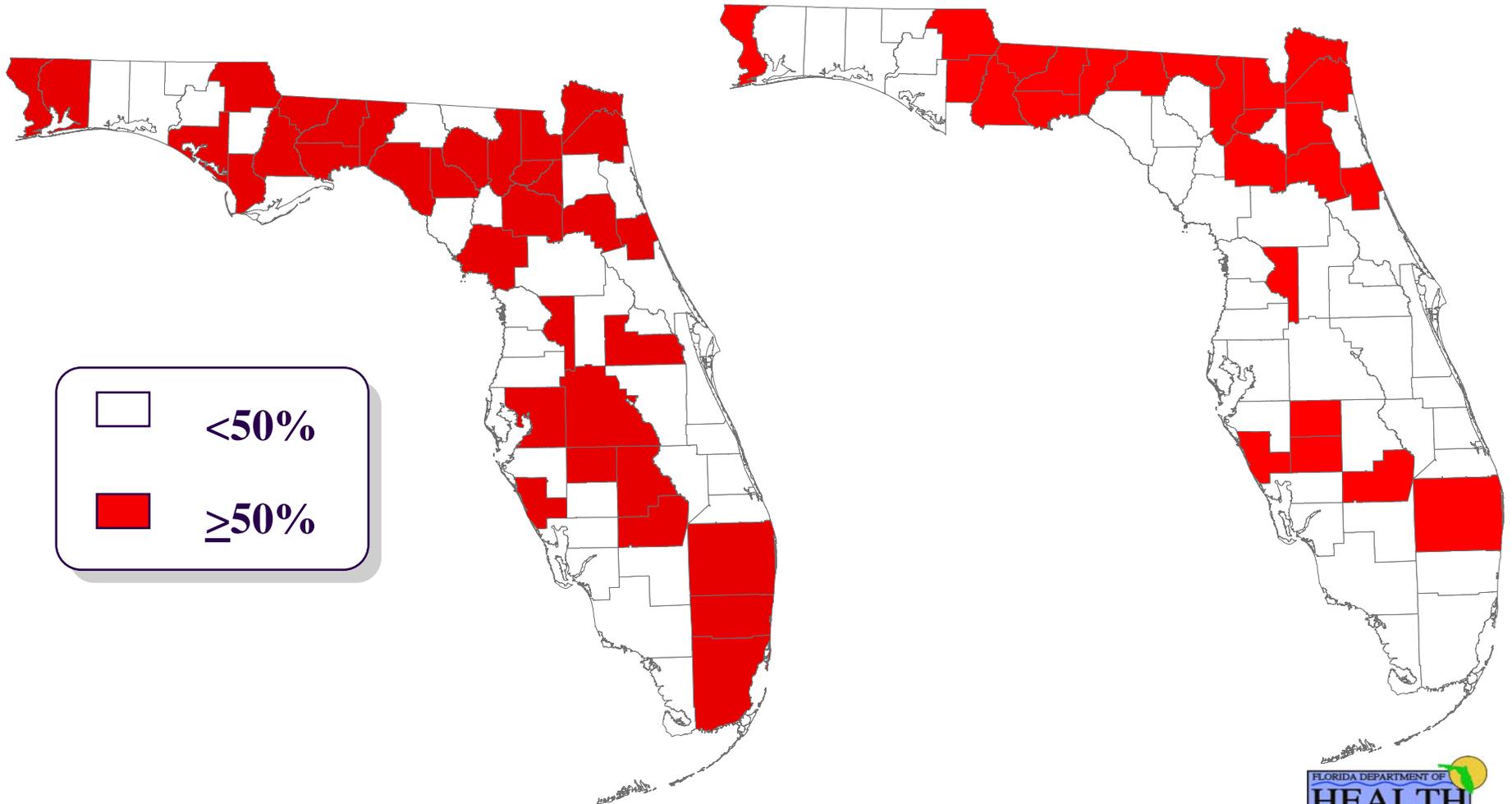
Note. Data include persons with a diagnosis of HIV infection regardless of stage of disease at diagnosis. All displayed data have been statistically adjusted to account for reporting delays, but not for incomplete reporting.



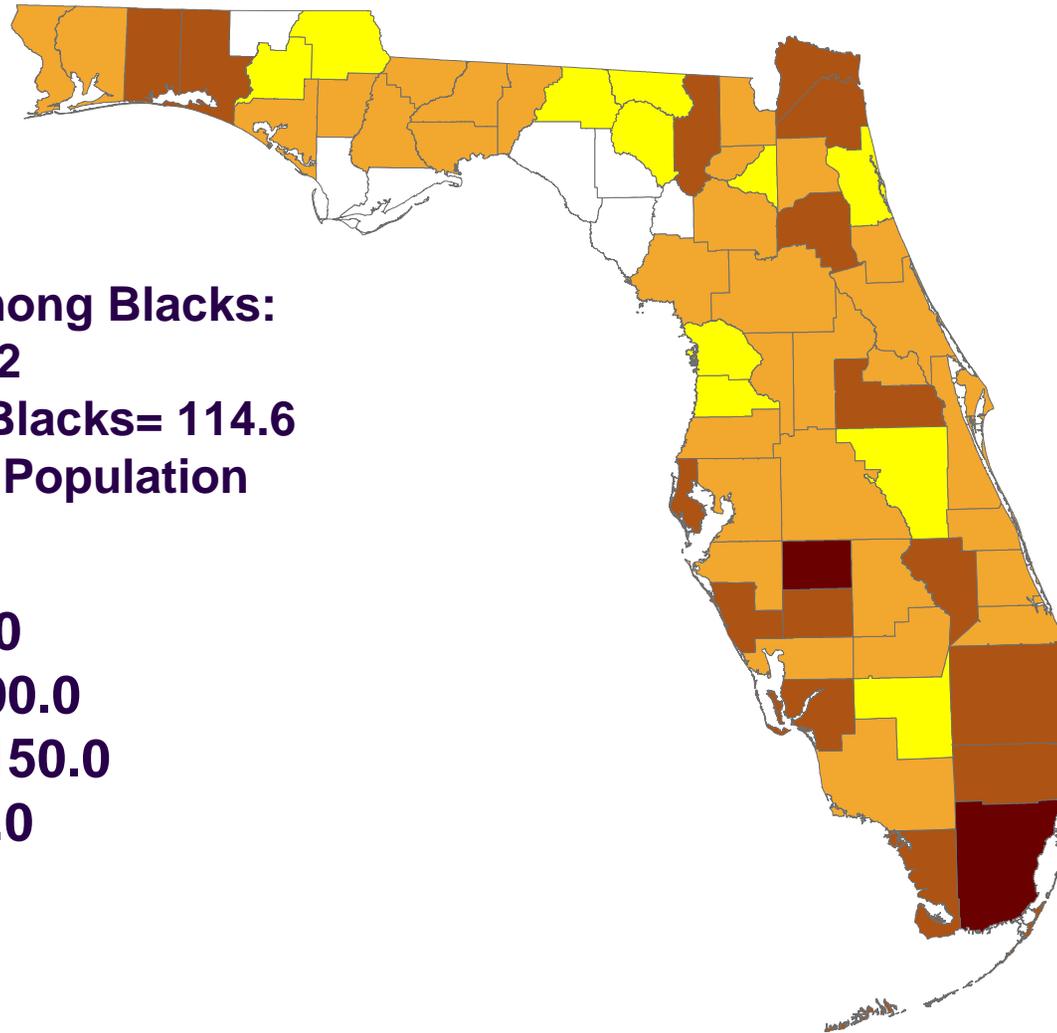
Adult AIDS and HIV Cases, by County of Residence Reported among Blacks in 2011, Florida

AIDS

HIV



Adult HIV Case Rates* among Blacks, by County of Residence,**Reported in 2011, Florida



**Statewide Data among Blacks:
N=2,642
State Rate among Blacks= 114.6
Rate per 100,000 Population**



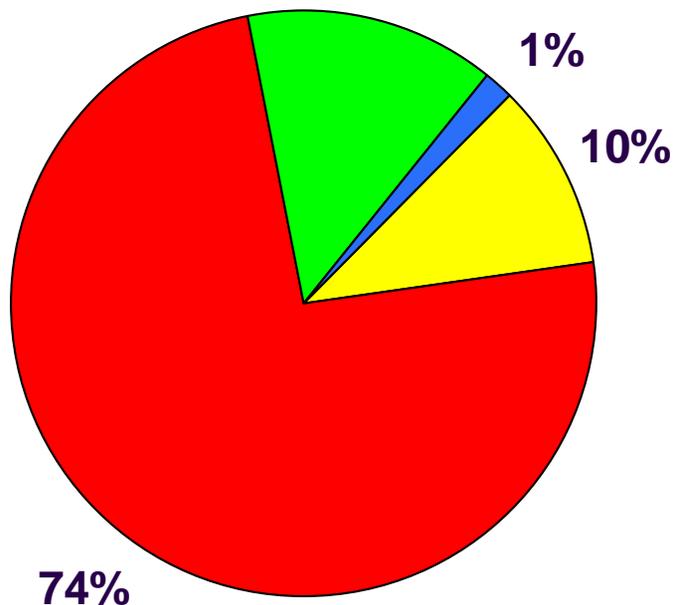
*Population data are from FloridaCHARTS

**County totals exclude Department of Corrections cases (N=50).

Pediatric* HIV/AIDS Cases and State Population** in Children <13 years of age, by Race/Ethnicity, Reported* through 2011, Florida

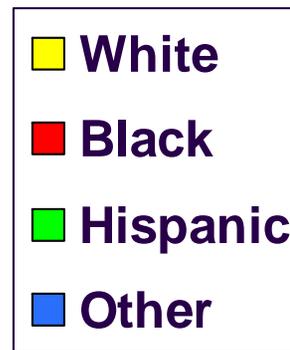
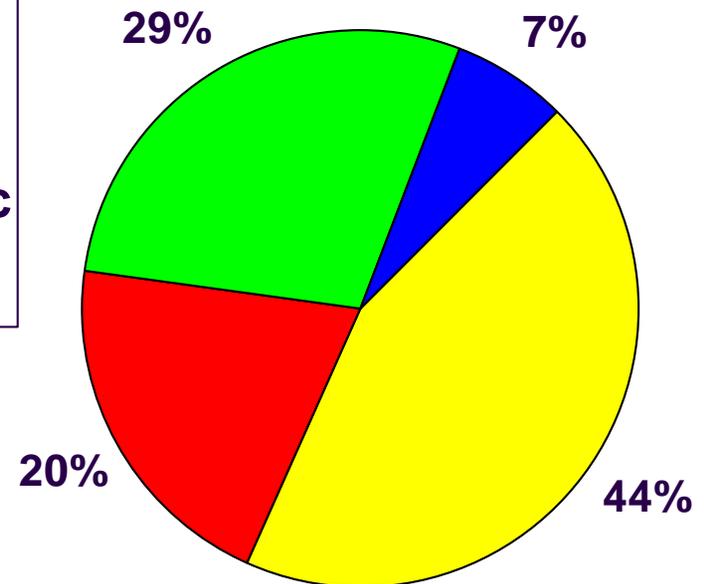
Pediatric HIV/AIDS Cases

N=2,520



Population Estimates

N= 2,841,831

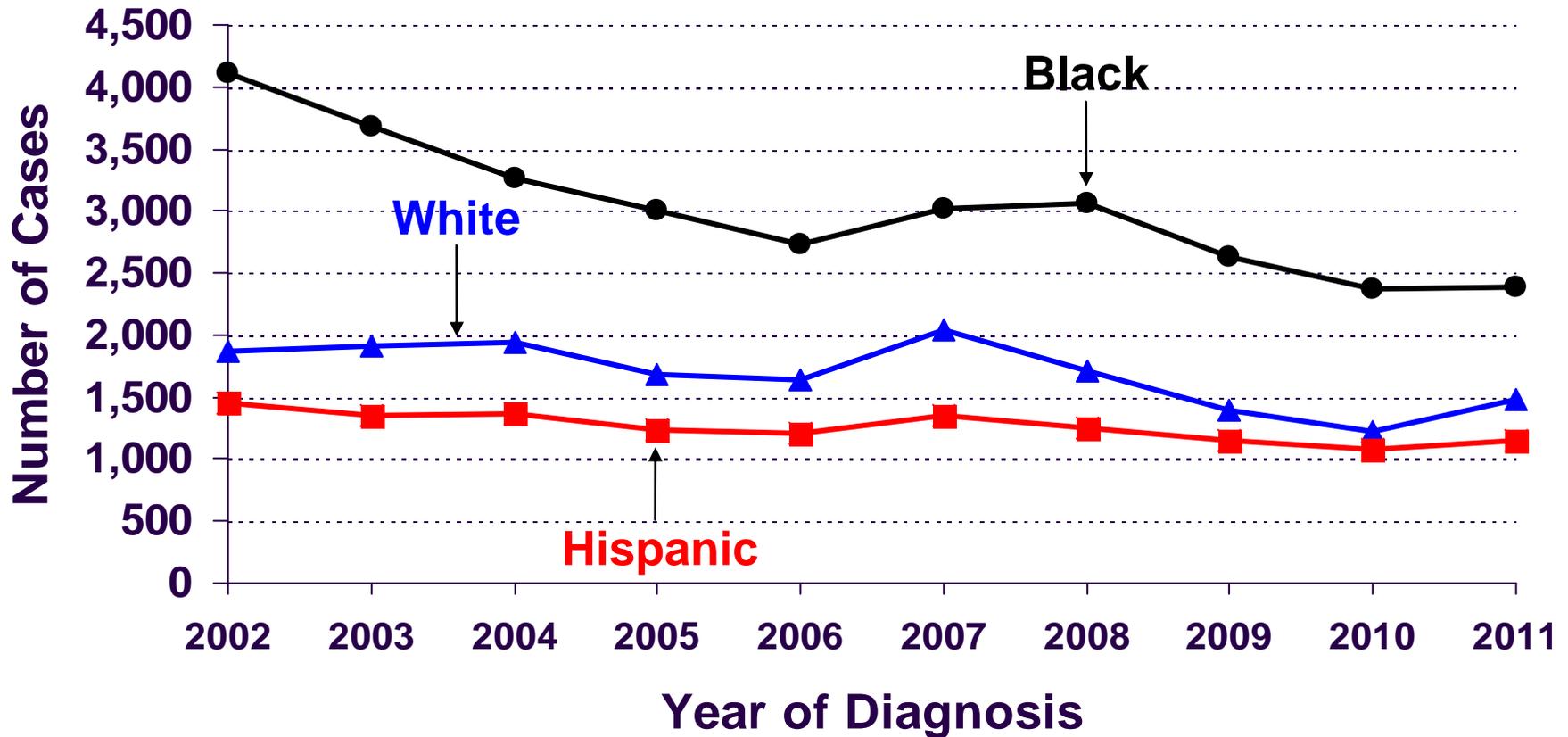


Note: Non-Hispanic blacks are disproportionately affected by HIV/AIDS compared with those of other race/ethnicities. This same trend is seen in adult HIV/AIDS cases but is more pronounced in those diagnosed with HIV Disease under 13 years of age.

*The first pediatric AIDS case was reported in 1983.

**Source: Population estimates are provided by Florida CHARTS

Adult HIV Infection Cases by Race/Ethnicity and Year of HIV Diagnosis Florida, 2002 – 2011



Percentage change from 2002 – 2011:

Whites: -20%

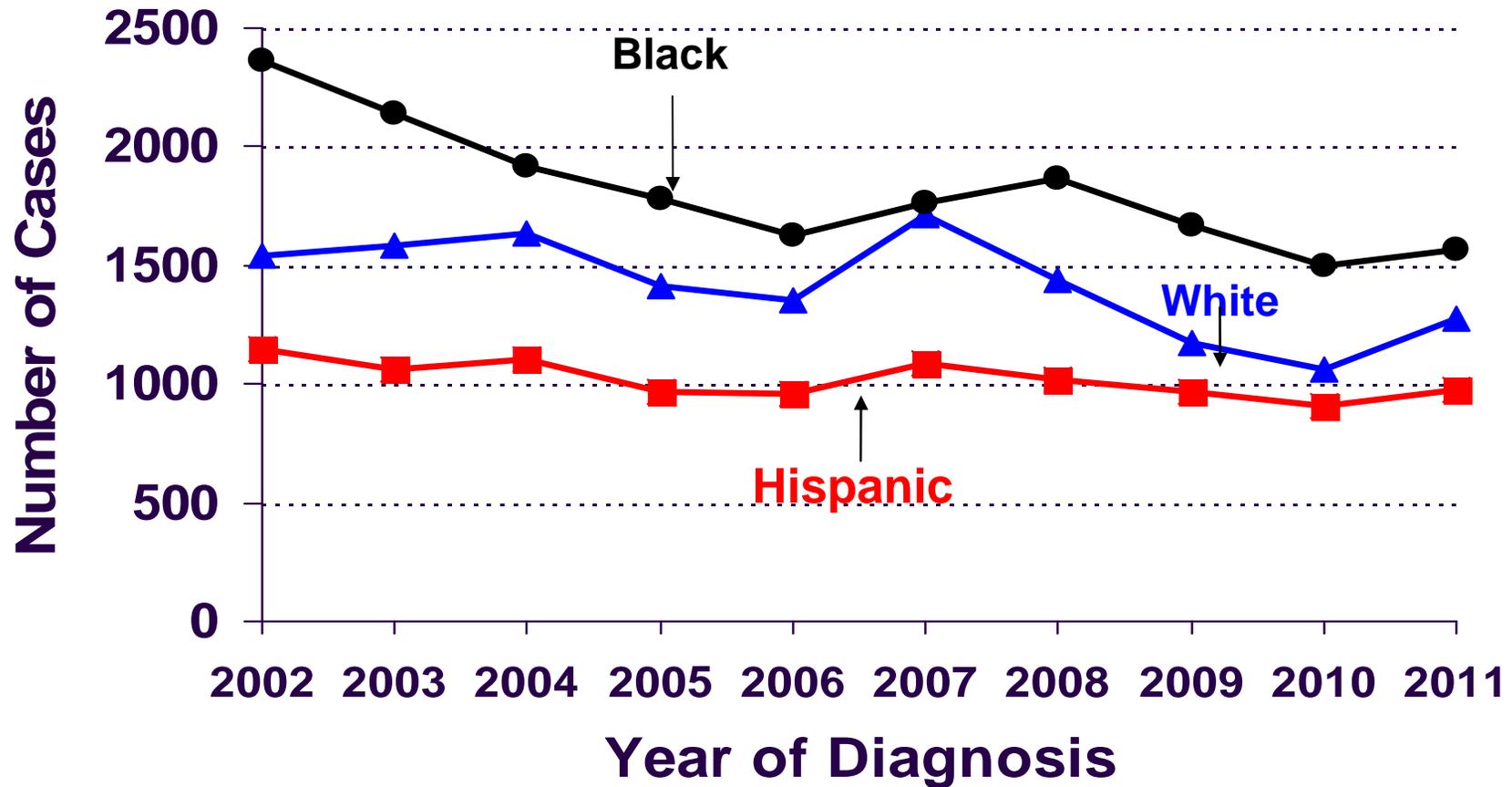
Blacks: -42%

Hispanics: -21%

Data as of 06/30/2012



Adult MALE HIV Infection Cases by Race/Ethnicity and Year of HIV Diagnosis Florida, 2002 – 2011



Percentage change from 2002 – 2011:

White males: -18%

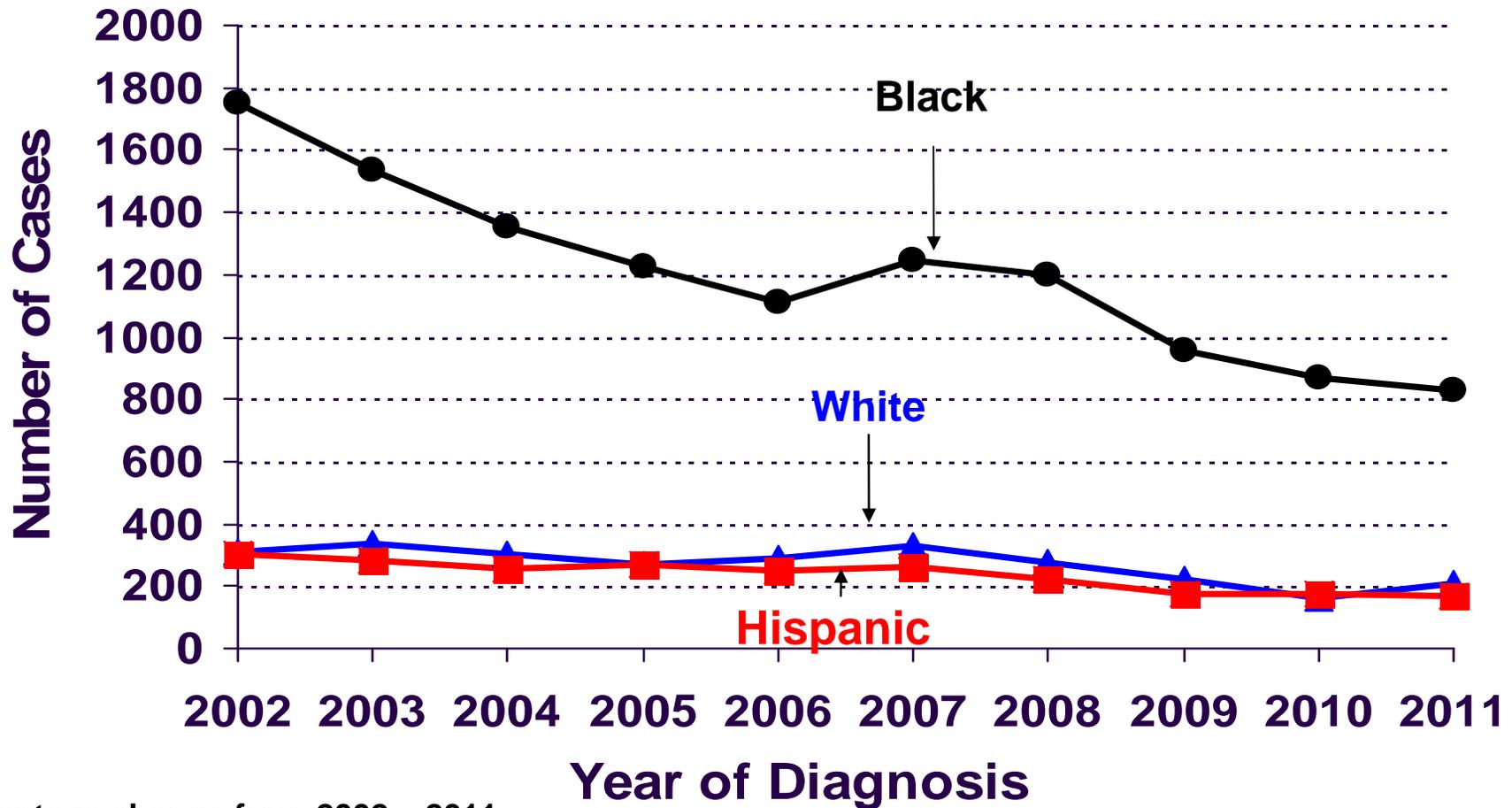
Black males: -34%

Hispanic males: -15%

Data as of 06/30/2012



Adult FEMALE HIV Infection Cases by Race/Ethnicity and Year of HIV Diagnosis Florida, 2002 – 2011



Percentage change from 2002 – 2011:

Whites: -32%

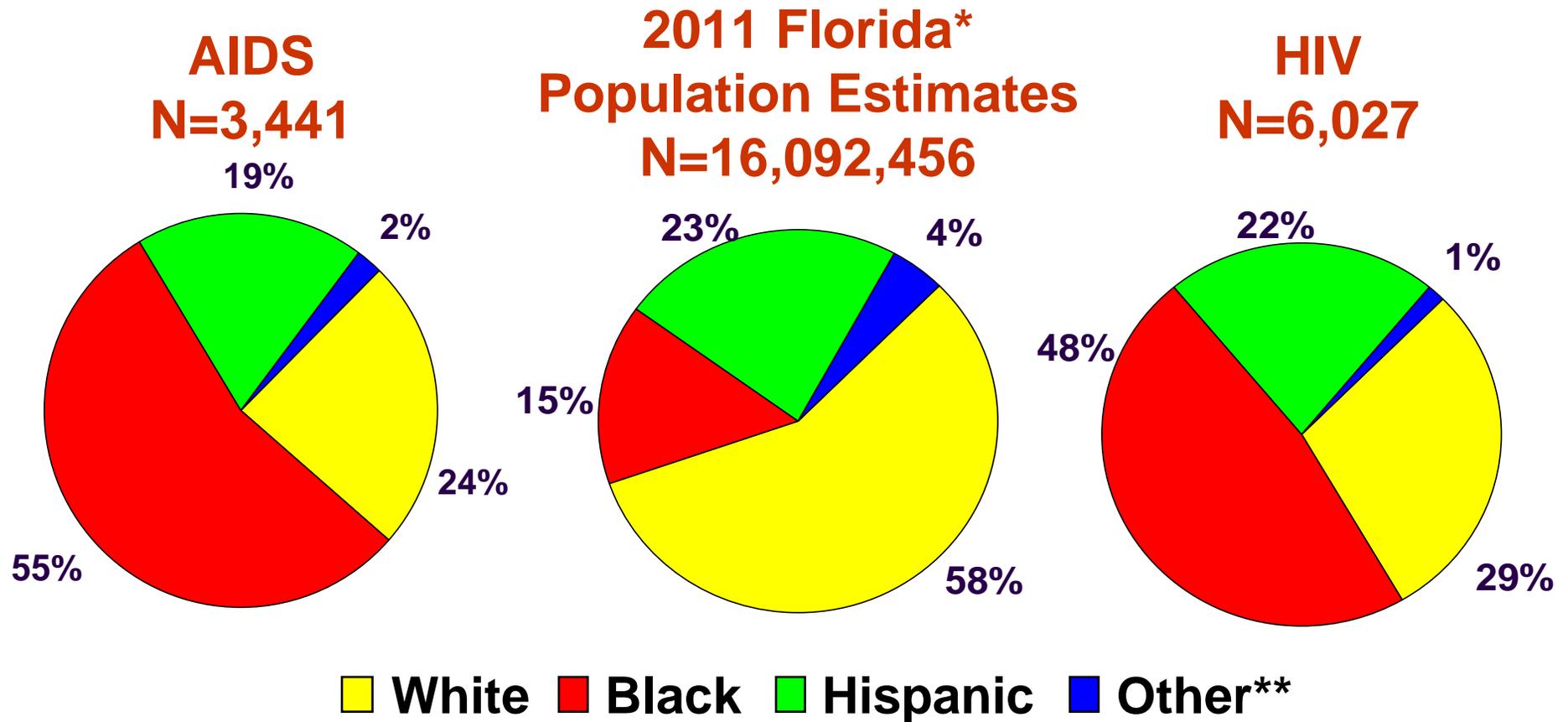
Blacks: -53%

Hispanics: -45%

Data as of 06/30/2012



Adult AIDS and HIV Infection Cases Reported in 2011 and Population, by Race/Ethnicity, Florida



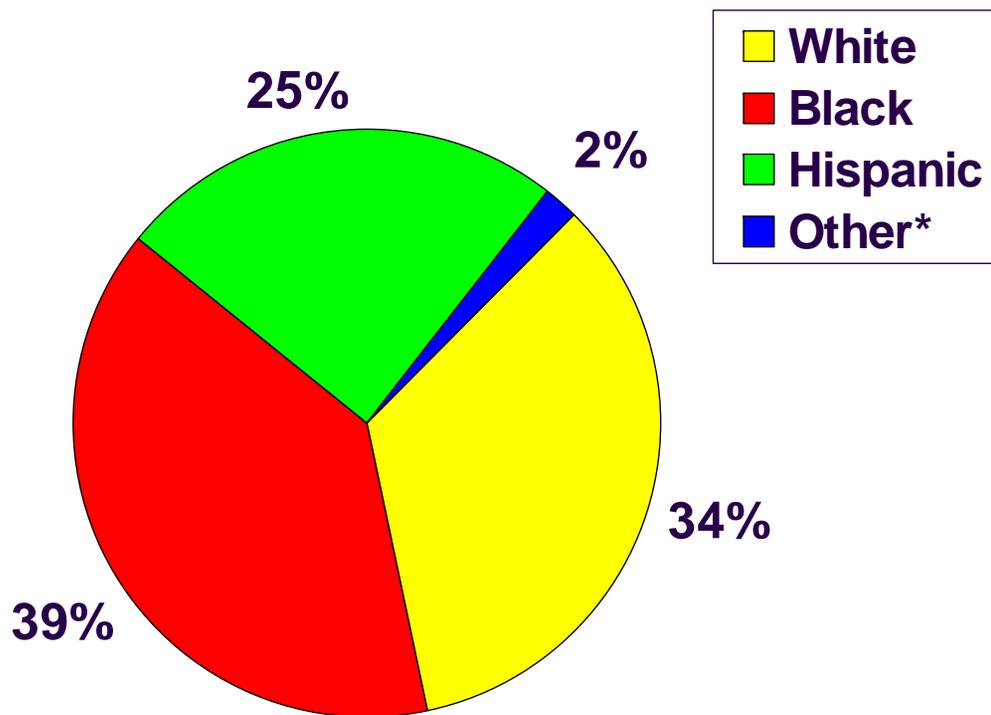
Note: Blacks comprise only 15% of the adult population in Florida, but represent 55% of adult AIDS cases and 48% of adult HIV infection cases reported in 2011 .

*Source: Population estimates are provided by FloridaCHARTS

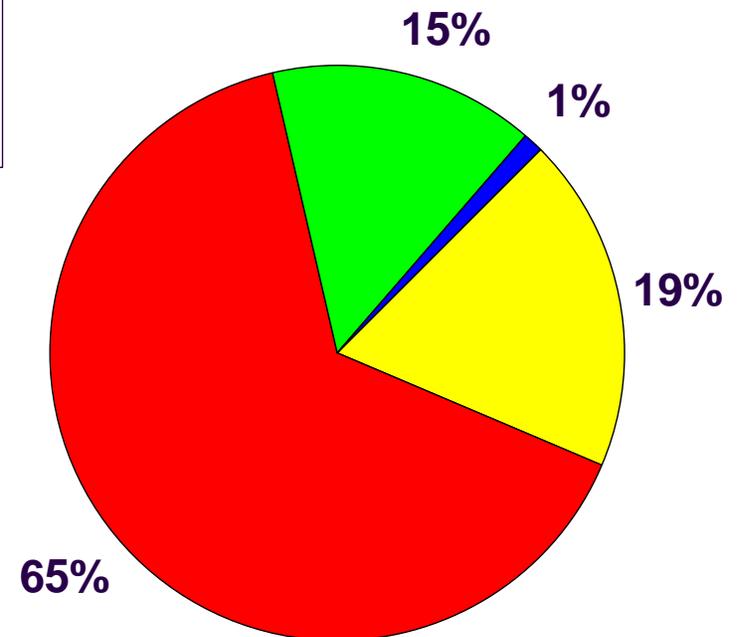
**Other includes Asian/Pacific Islanders, Native Alaskans/American Indians and mixed races.

Adult HIV Infection Cases, by Sex and Race/Ethnicity, Reported in 2011, Florida

Males
N=4,608



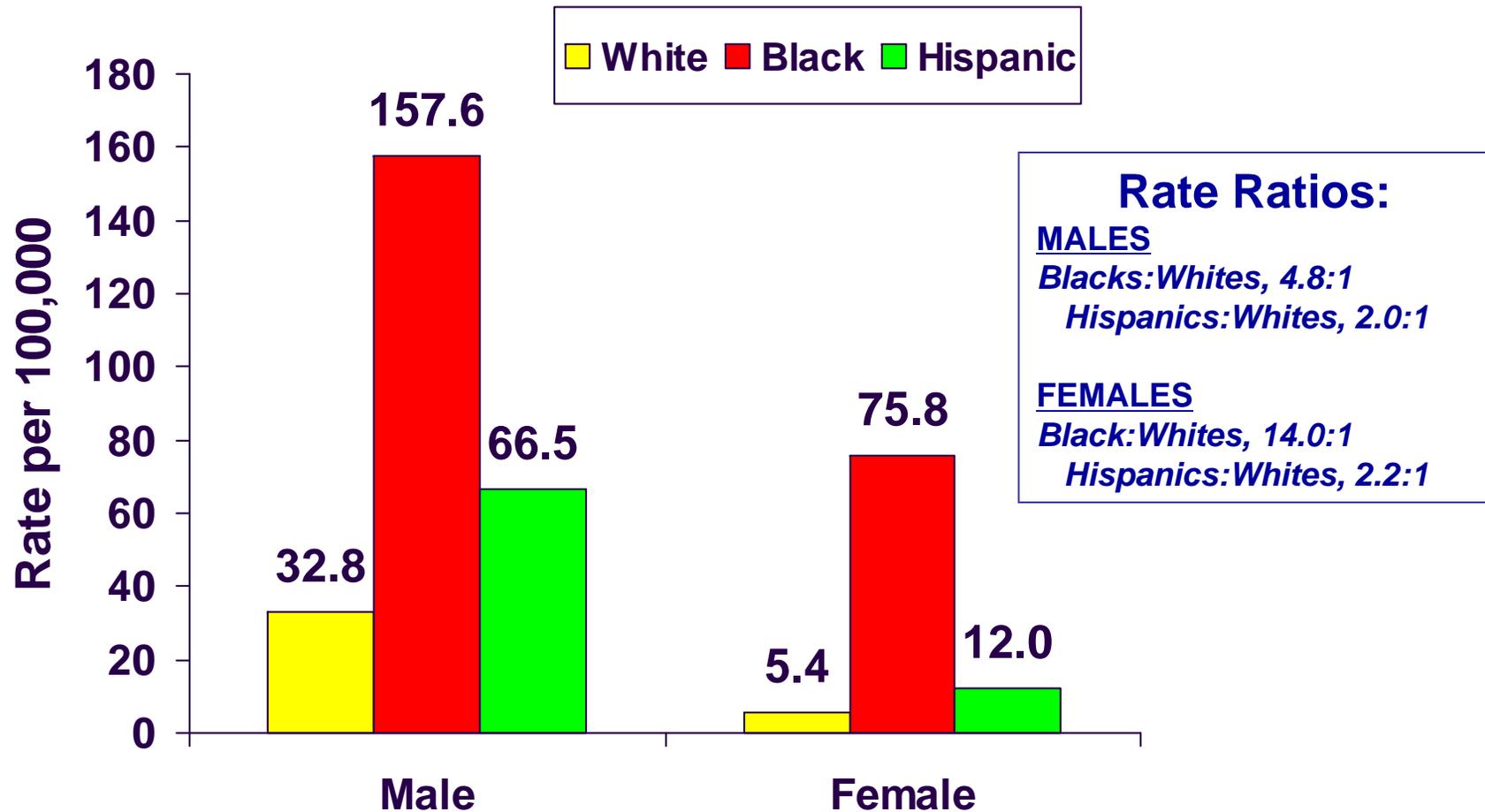
Females
N=1,419



Note: In this snapshot of 2011, HIV cases by race/ethnicity among males is more evenly split compared to HIV cases among females where blacks are over-represented, accounting for 65% of adult cases among women.

*Other includes Asian/Pacific Islanders, Native Alaskans/American Indians and mixed races

Adult HIV Infection Case Rates* by Sex and Race/Ethnicity, Reported in 2011, Florida



Note: Similar to AIDS, black men and, to an even greater extent, black women are over-represented in the HIV epidemic. The HIV case rate for 2011 is nearly 5 times higher among black men than among white men. Among black women, the HIV case rate is 14 times higher than among white women. Hispanic male case rates are 2 times and Hispanic female rates are 2 times higher than the rates among their white counterparts.

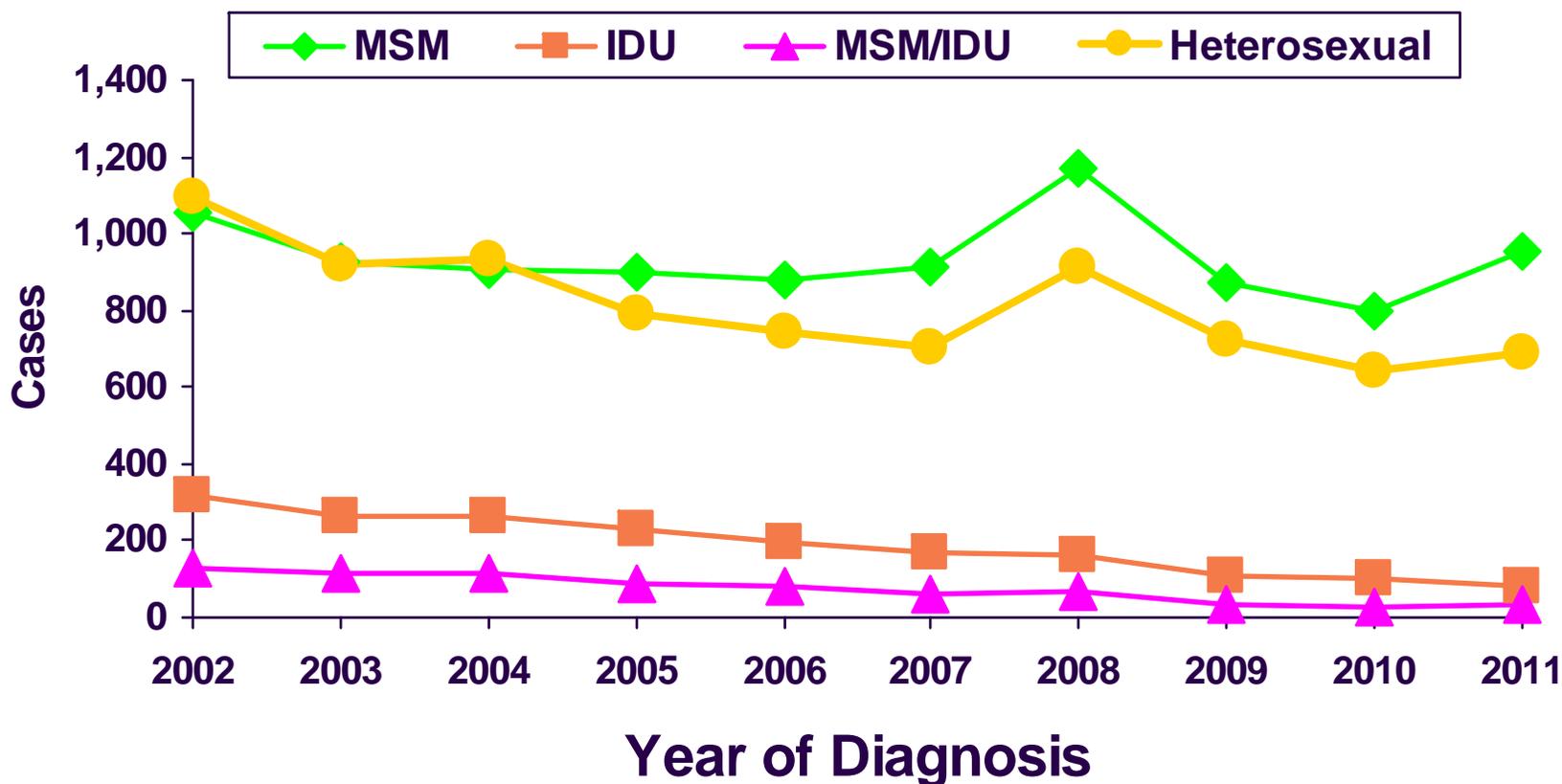
*Source: Population estimates are provided by FloridaCHARTS



Definitions of Mode of Exposure Categories

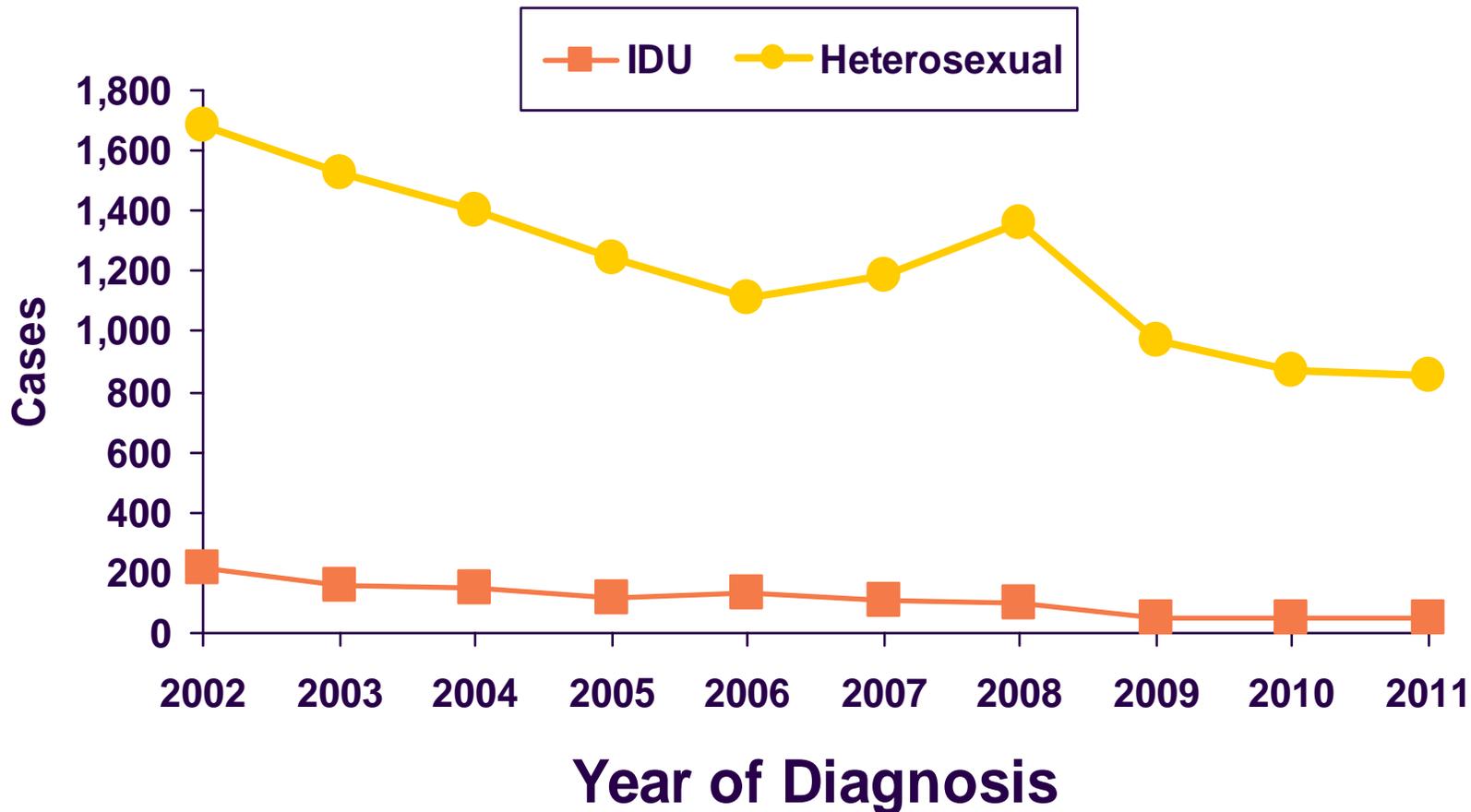
- ◆ **MSM** = Men who have sex with men
- ◆ **IDU** = Injection Drug Use
- ◆ **MSM/IDU** = Men who have sex with men & Injection Drug Use
- ◆ **Heterosexual** = Heterosexual contact with person with HIV/AIDS or known HIV risk
- ◆ **OTHER** = includes hemophilia, transfusion, perinatal and other pediatric risks and other confirmed risks.
- ◆ **NIR** = Cases reported with No Identified Risk
- ◆ **Redistribution of NIRs** = This illustrates the effect of statistically assigning (redistributing) the NIRs to recognized exposure (risk) categories by applying the proportions of historically reclassified NIRs to the unresolved NIRs.

HIV Infection Cases among Adult Black Males, by Mode of Exposure and Year of Report, 2002–2011, Florida



Note: NIRs redistributed. In more recent years, men who have sex with men (MSM) remained as the primary mode of exposure among black male HIV cases in Florida, followed by heterosexual contact.

HIV Infection Cases among Adult Black Females, by Mode of Exposure and Year of Report, 2002–2011, Florida



Note: NIRs redistributed. The heterosexual risk continues to be the dominant mode of exposure among black females.

Cases Living with HIV Disease

- ⓧ Data in these slides represent cases living with HIV Disease, also referred to as Persons Living with HIV/AIDS (PLWHAs), who were reported through the most recent calendar year. Living data are also referred to as prevalence cases.
- ⓧ HIV prevalence data are generated later in the year, usually in May, when most of the “expected” death data are complete.
- ⓧ Adult cases represent ages 13 and older, pediatric cases are those under the age of 13. For data by year, the age is by age of 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 and blacks are non-Hispanic.
- ⓧ Total statewide data will include Department of Correction Cases (DOC) unless otherwise noted. County data will exclude DOC cases.

Selected slides from the Florida HIV Prevalence Slide Set, see site below for entire set.

http://www.doh.state.fl.us/disease_ctrl/aids/trends/slides/slides.html



Blacks Living with HIV Disease In the US* and in Florida**

United States	Florida
CDC estimates a total of 784,701 persons living with a diagnosis of HIV infection through 2009	A total of 97,436 persons are living with a diagnosis of HIV Infection in Florida through 2011
Blacks accounted for:	Blacks accounted for:
43% of total	49% of total
36% of adult men & 61% of adult women	40% of adult men & 69% of adult women
61% of the pediatric cases	78% of the pediatric cases
30% of MSM	27% of MSM
53% of IDU	56% of IDU
64% of heterosexuals	75% of heterosexuals
49% of AIDS case deaths in 2010	60% of AIDS case deaths in 2011
According to the 2010 US Population Estimates	According to Florida's 2010 Pop estimates,
12% of the US population is black	15% of Florida's population is black

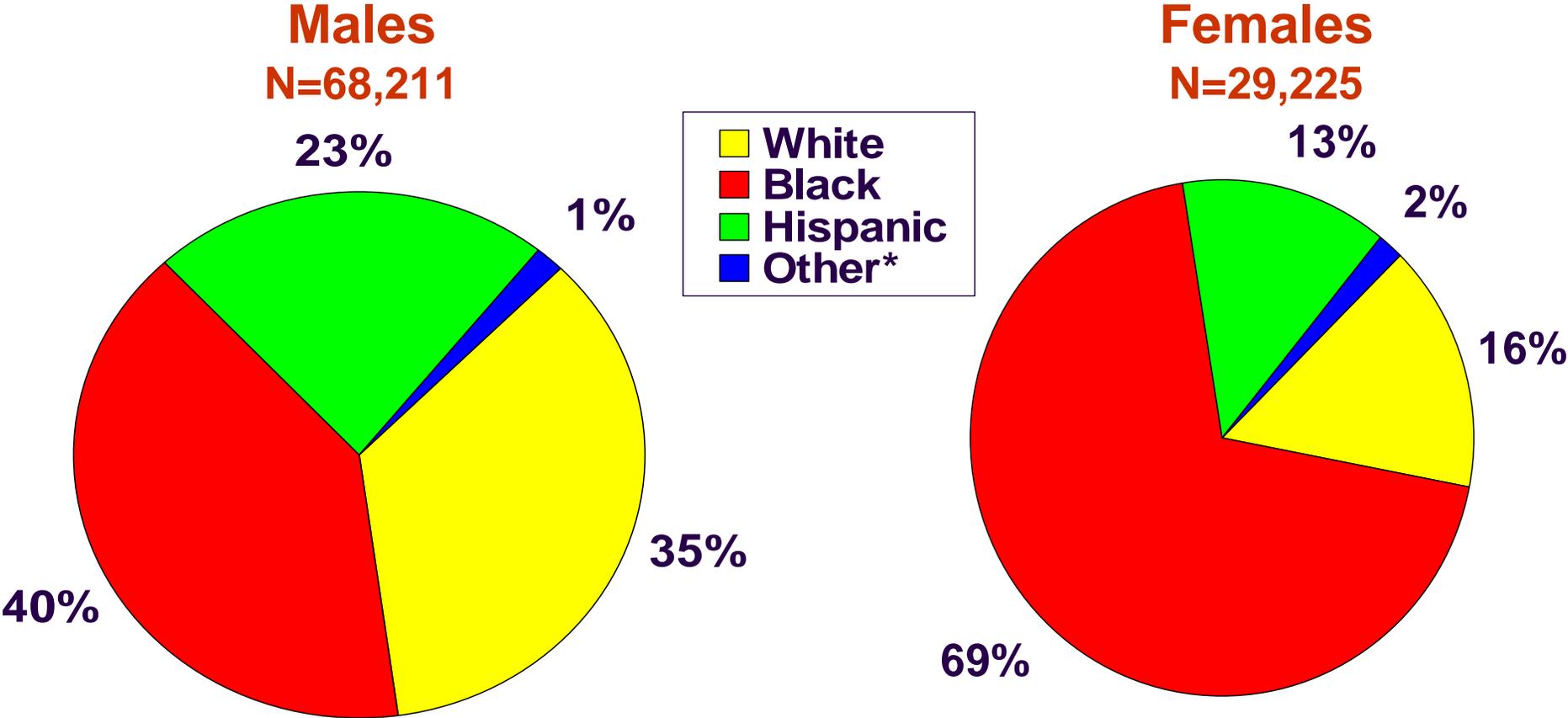
*Source: Source of US data: CDC HIV Surveillance Report 2010, Vol. #22, (2011 data not yet available, HIV data is only for 46 states).

The US data represents 40 states with confidential name-based HIV infection reporting

**Source: The Florida data represents living HIV/AIDS cases through 2010 as of 05/16/2012.



Adults Living with HIV Disease, by Sex and Race/Ethnicity Reported through 2011, Florida

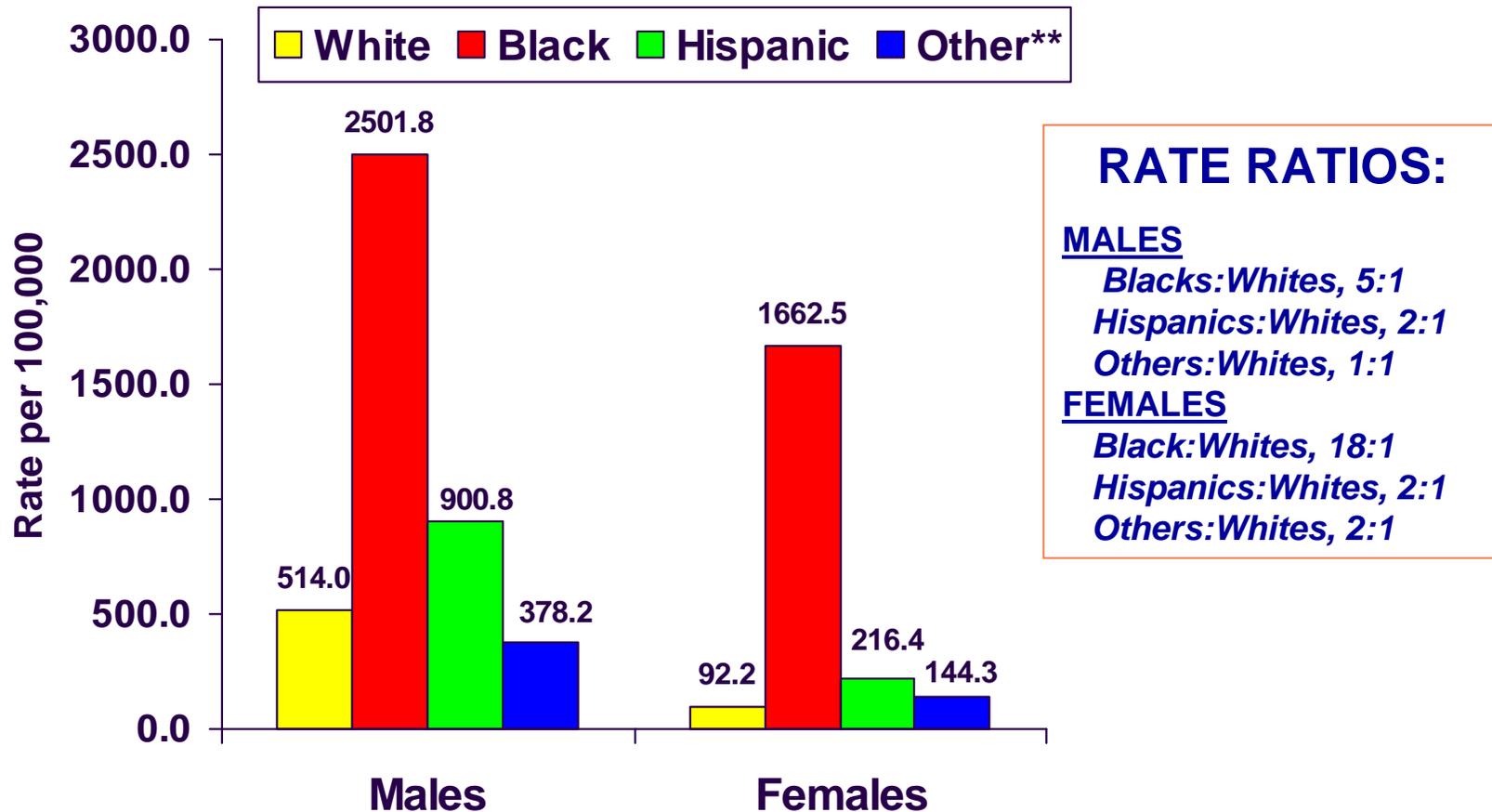


Note: Among living HIV/AIDS cases, blacks represent the highest race among both males (40%) and females (69%).

*Other includes Asian/Pacific Islanders and Native Alaskans/American Indians.



Case Rates* of Adults Living with HIV Disease, by Sex and Race/Ethnicity, Reported through 2011, Florida



Note: Among black males, the HIV/AIDS case rate for cases Reported through 2011 is 5 times higher than among white males. Among black females, the AIDS case rate is 18 times higher than among white females. Hispanic male and female rates are 2 times higher than the rates among their white counterparts.

*Source: Population estimates are provided by FloridaCHARTS

**Other includes Asian/Pacific Islanders and Native Alaskans/American Indians.



One-In-Statement for Adults

There were 97,174 reported adult (age 13+) Persons Living with HIV Disease (PLWHAs) in Florida through 2011.

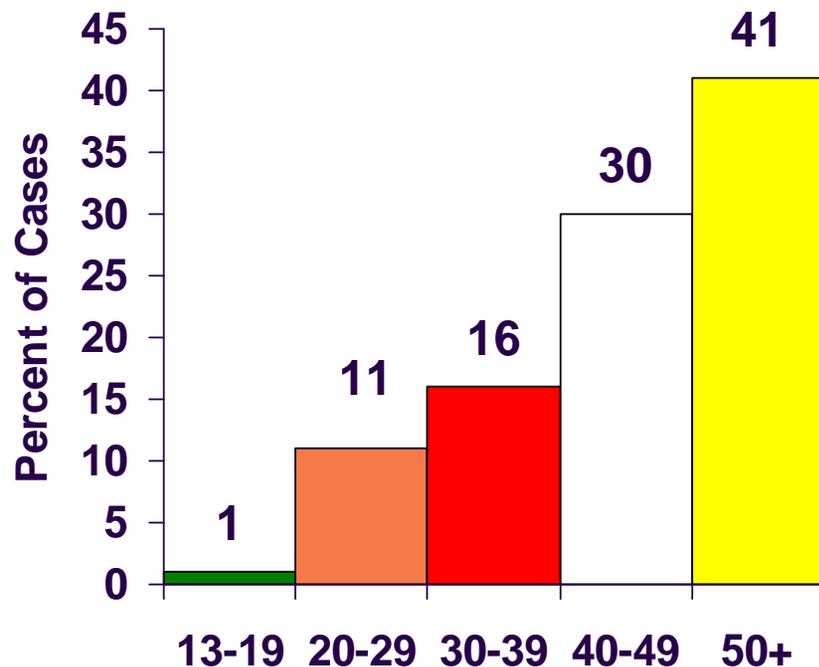
1 in 166 adult Floridians are known to be currently living with HIV infection.

By Race/Ethnicity (adults age 13+):

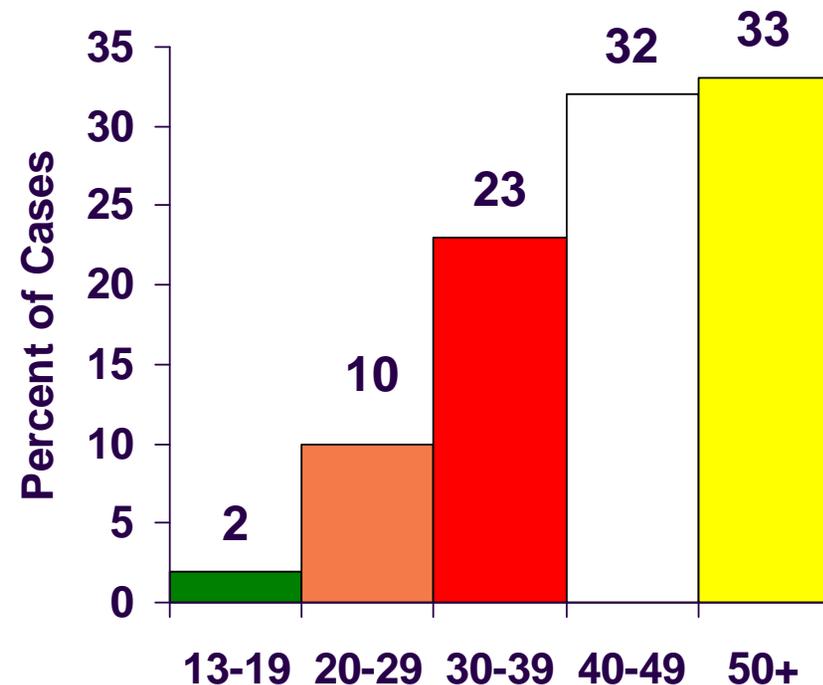
- 1 in 336 whites are currently living with HIV infection
- 1 in 49 blacks are currently living with HIV infection
- 1 in 181 Hispanics are currently living with HIV infection

Black Adults Living with HIV Disease, by Sex and Current Age Group, Reported through 2011, Florida

Males
N=27,335



Females
N=20,166



Note: Black males living with HIV disease have a much higher proportion of cases who are currently 40 years of age or older (71%), compared with black females living with HIV Disease (63%).

Definitions of Mode of Exposure Categories

- ◆ **MSM** = Men who have sex with men
- ◆ **IDU** = Injection Drug Use
- ◆ **MSM/IDU** = Men who have sex with men & Injection Drug Use
- ◆ **Heterosexual** = Heterosexual contact with person with HIV/AIDS or known HIV risk
- ◆ **OTHER** = includes hemophilia, transfusion, perinatal and other pediatric risks and other confirmed risks.
- ◆ **NIR** = Cases reported with No Identified Risk
- ◆ **Redistribution of NIRs** = This illustrates the effect of statistically assigning (redistributing) the NIRs to recognized exposure (risk) categories by applying the proportions of historically reclassified NIRs to the unresolved NIRs.

The Proportion of HIV Infection Among Blacks Living with HIV by Transmission Category In the U.S.* Compared to Florida

	Males		Females	
	US through 2009	FL through 2011	US through 2009	FL through 2011
MSM	55%	43%	-----	-----
IDU	19%	11%	23%	10%
MSM/IDU	7%	5%	-----	-----
Heterosexual	19%	39%	77%	87%
Other	<1	2%	<1	3%

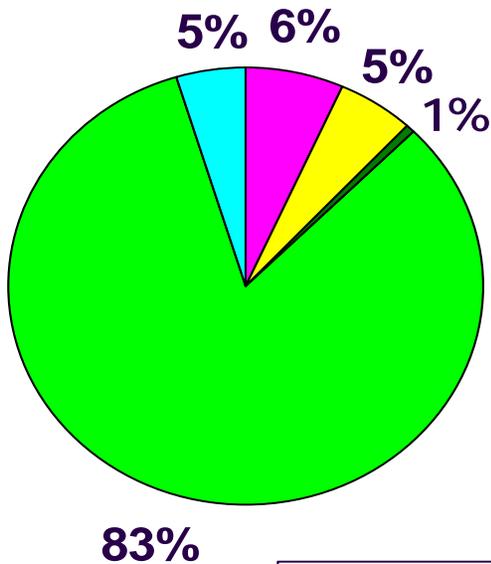
Among black males living with HIV, Florida has a significantly higher proportion of heterosexual risk cases and a lower proportion of MSM and of IDU cases compared to the U.S. Among black females living with HIV, Florida had a much higher proportion of heterosexual cases and a much lower proportion of IDU cases than that for the U.S.

*U.S. data: HIV Surveillance Report, 2010 (most recent available) Vol. 22

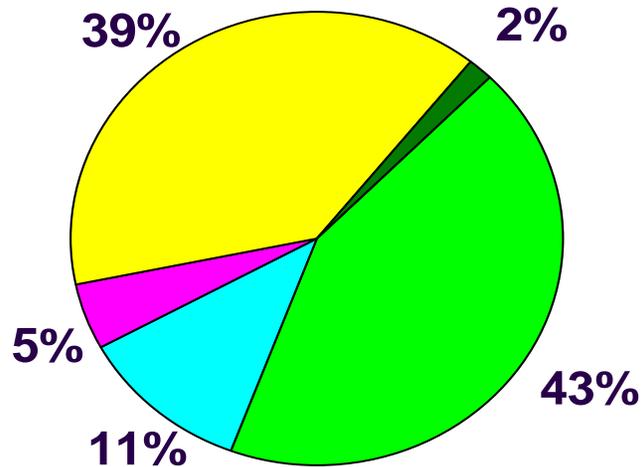


Adult Males Living with HIV Disease by Race/Ethnicity and Mode of Exposure Reported through 2011, Florida

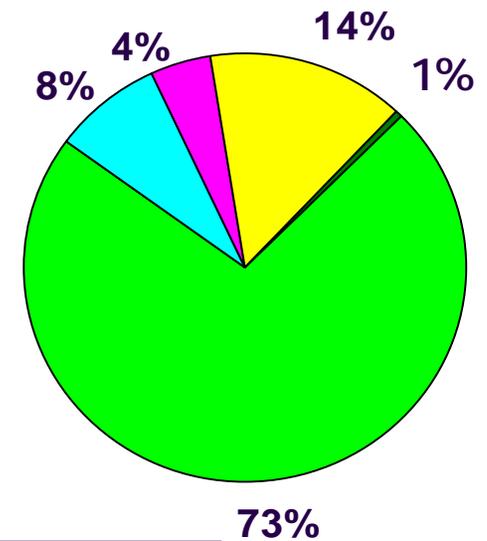
White
N=24,101



Black
N=27,335

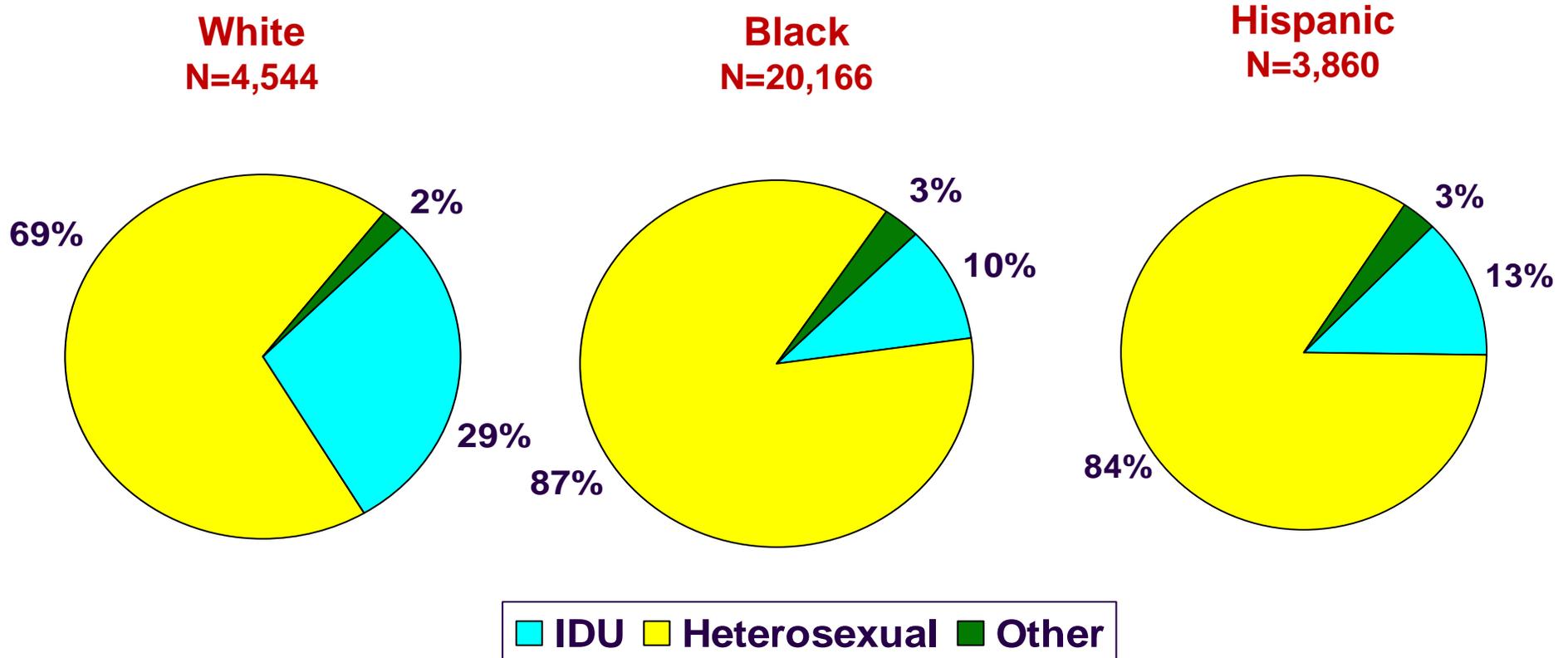


Hispanic
N=15,483



Note: NIRs redistributed. Among males living with HIV disease, the distribution of risk among blacks differs from that among whites and Hispanics. MSM represents the highest risk for all races. White males have the smallest proportion of heterosexual contact cases.

Adult Females Living with HIV Disease by Race/Ethnicity and Mode of Exposure Reported through 2011, Florida



Note: NIRs redistributed. Among females living with HIV disease, the distribution of risk among whites differs from that among blacks and Hispanics. Heterosexual contact is the majority risk for all races. However, whites have the highest proportion of IDU cases.

HIV Mortality in Florida

🚫 Resident HIV deaths due to HIV disease represent persons who resided in Florida and whose underlying cause of death was HIV disease, regardless if they were reported with HIV disease in Florida or not.

- The data source is death certificate data from the Florida Department of Health, Office of Vital Statistics.

🚫 HIV case deaths are known cases of HIV disease (regardless of AIDS status) reported in Florida and are known to be dead, regardless of the cause of death. It is important to understand if any known HIV/AIDS cases died in any given year for estimates of the current burden of HIV/AIDS care and treatment needs within the state.

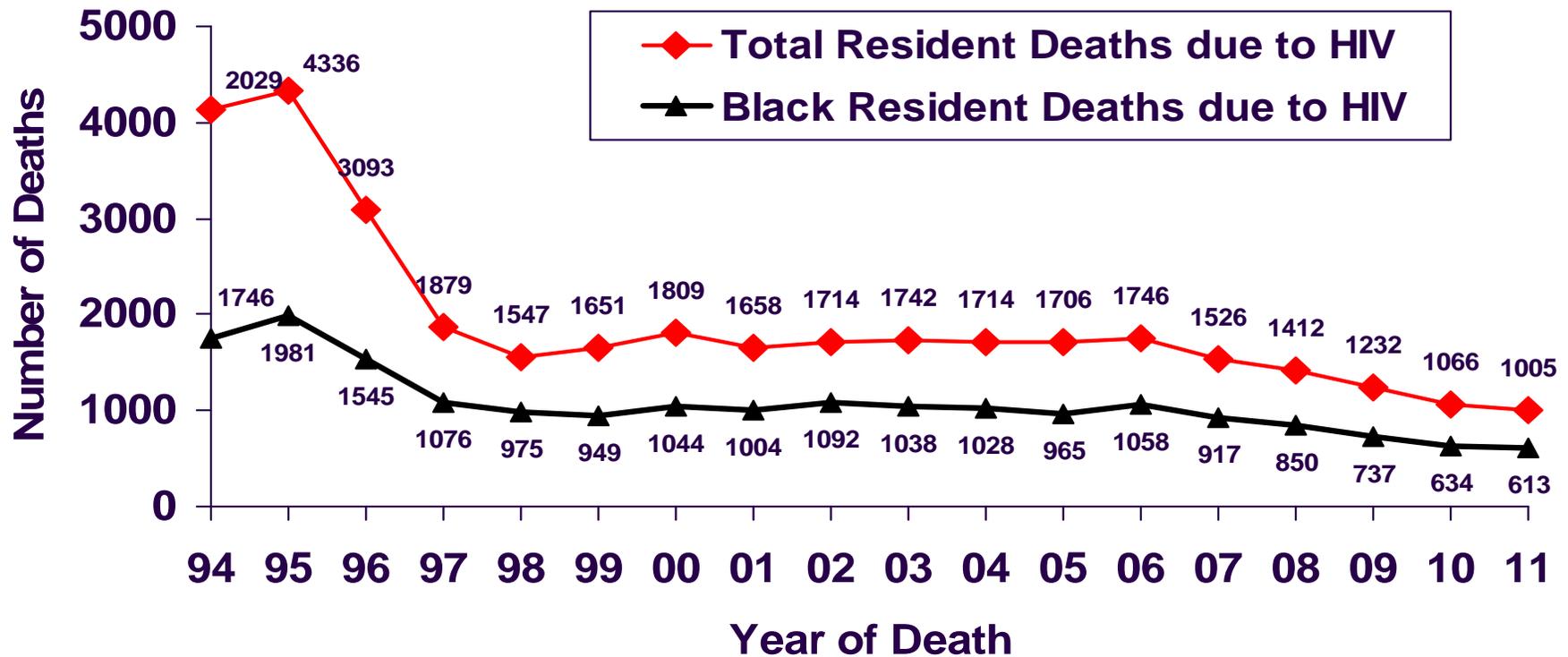
- The data source is the Florida HIV/AIDS Reporting System (eHARS) from the Florida Department of Health, HIV/AIDS & Hepatitis Program.

Selected slides from the Florida Deaths Slide Set, see site below for entire set.

http://www.doh.state.fl.us/disease_ctrl/aids/trends/slides/slides.html



Total Resident Deaths due to HIV Disease, Compared to Resident Deaths due to HIV Disease among Blacks, by Year of Death*, 1994-2011, Florida

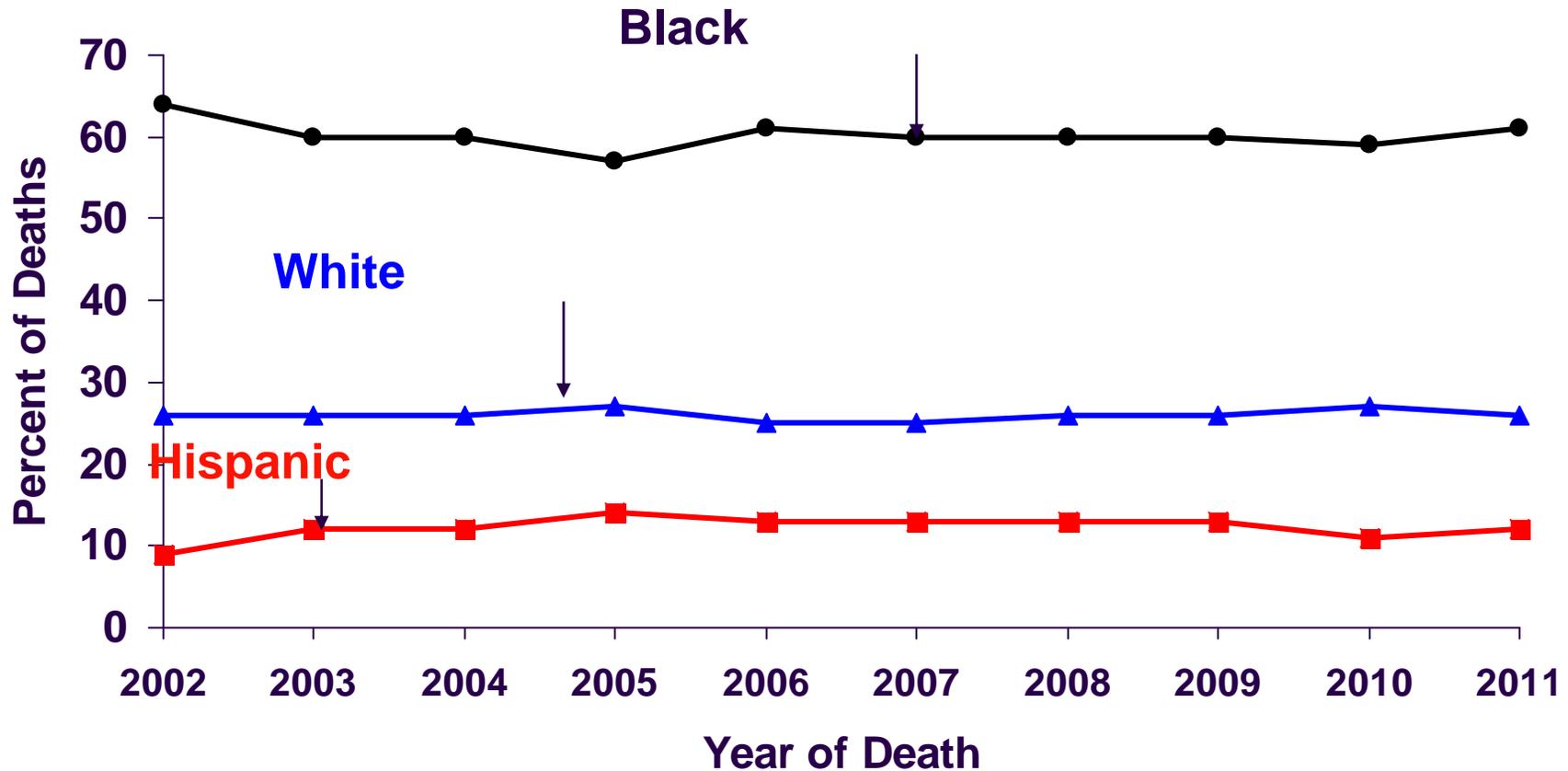


Note: There was a 5.7 % decrease in total resident death due to HIV from 2010 to 2011. A similar trend was seen among blacks where there was a 3.3% decrease in deaths due to HIV in the same period.

*Source: Florida Department of Health, Office of Vital Statistics, Death Certificates (as of 07/12/2012).



Resident Deaths* due to HIV Disease, by Race/Ethnicity and Year of Death, 2002-2011, Florida

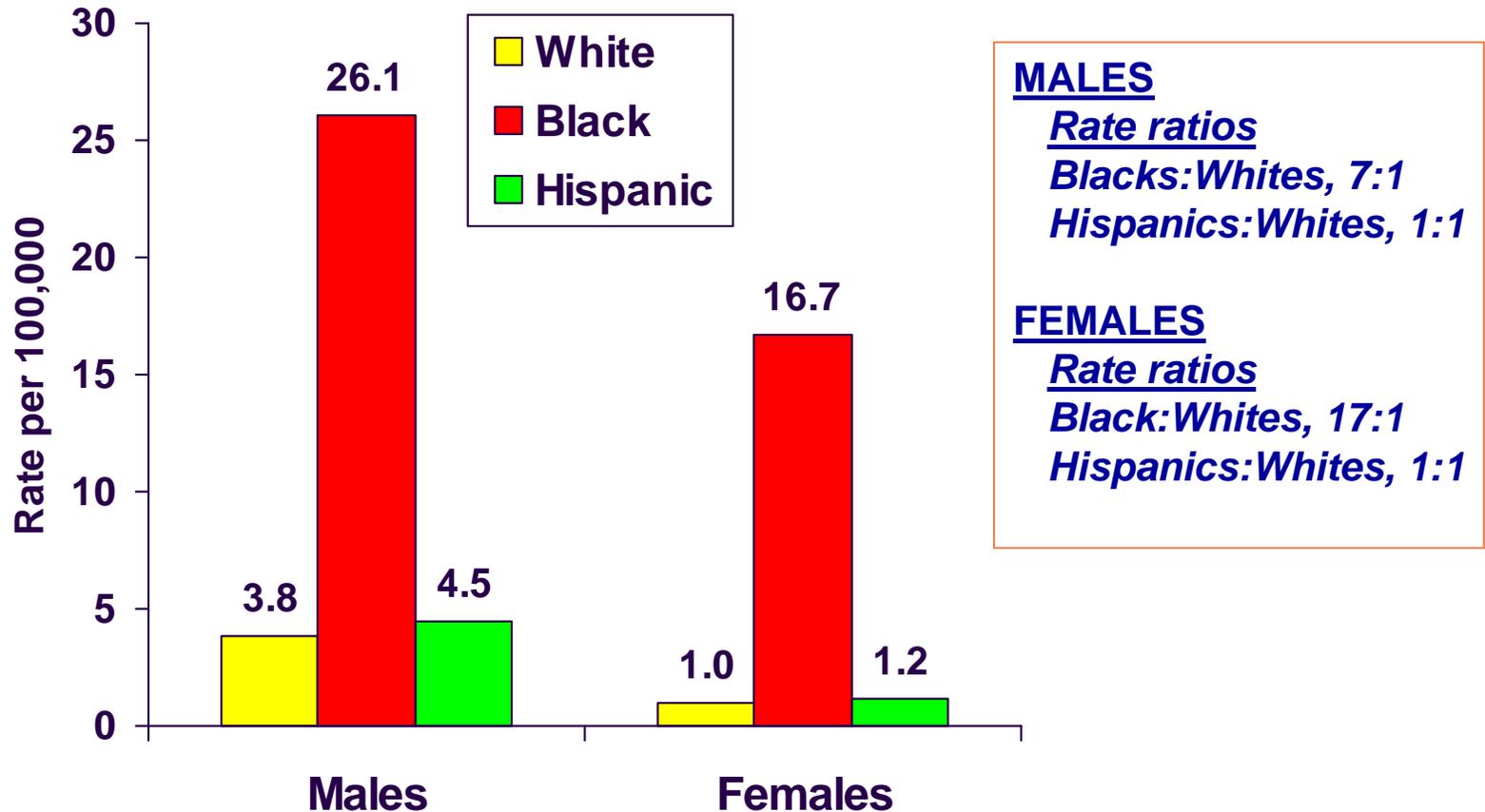


Note: In 2011, the proportional distribution of resident HIV deaths due to HIV by race/ethnicity was: whites 26%, blacks 61%, Hispanics 12% and other 1%. This compares to 27%, 59%, 11% and 2% respectively for 2010.

*Source: Florida Department of Health, Office of Vital Statistics, Death Certificates (as of 07/12/2012).



Rate* of Resident Deaths** due to HIV Disease, by Sex and Race/Ethnicity, 2011, Florida



Note: In 2011, black males were 7 times as likely as white males to die of HIV/AIDS. The HIV/AIDS death rate among black females was 17 times higher than among white females.

*Source: Population data are provided by FloridaCHARTS.

**Source: Florida Department of Health, Office of Vital Statistics, Death Certificates (as of 07/12/2012).



**Median Survival Time (in months)
from AIDS Diagnosis to Death, by Race/Ethnicity and
Time Period of Death, 1980-2011, Florida**

	<u>Time Period of Death</u>				
	<u>Early Years</u>		<u>HAART</u>		
	<u>1980-1988</u>	<u>1989-1995</u>	<u>1996-2000</u>	<u>2001-2006</u>	<u>2007-2011</u>
White	4 mo.	15 mo.	32 mo.	60 mo.	80 mo.
Black	1 mo.	10 mo.	22 mo.	42 mo.	57 mo.
Hispanic	3 mo.	12 mo.	23 mo.	45 mo.	58 mo.
Amer. Ind.	n/a	14 mo.	21 mo.	28 mo.	86 mo.
Asian	1 mo.	13 mo.	24 mo.	21 mo.	29 mo.

Note: In the early years, survival times for increased for all race/ethnicity groups with the introduction of AZT in 1994. With the introduction of Highly Active Retroviral Therapy (HAART) in 1996, survival time increased significantly for all age groups, however, overall survival times are not without racial/ethnic disparities.

*Source: Florida Department of Health, Bureau of HIV/AIDS, HIV/AIDS Reporting System (as of 07/12/2012)



**For the first time ever, in 2010,
HIV/AIDS *dropped from
the first to the fourth*
leading cause of death
for blacks,
25 to 44 years of age.**

This rank was also observed in 2011.

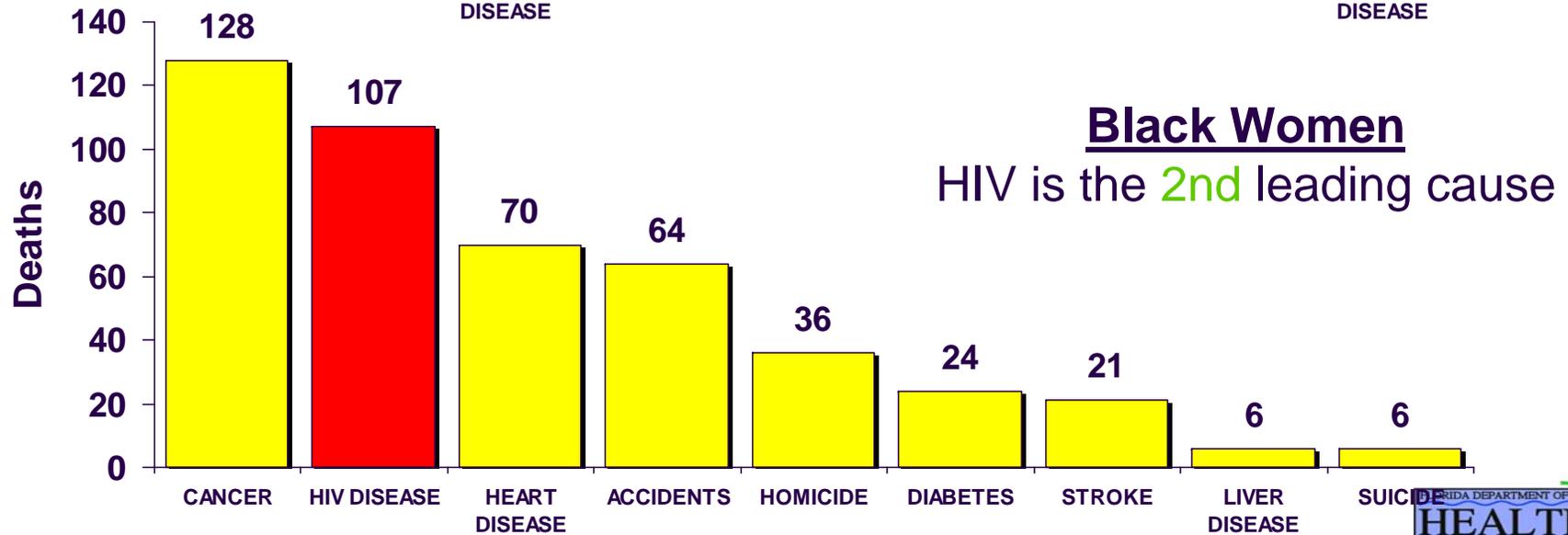
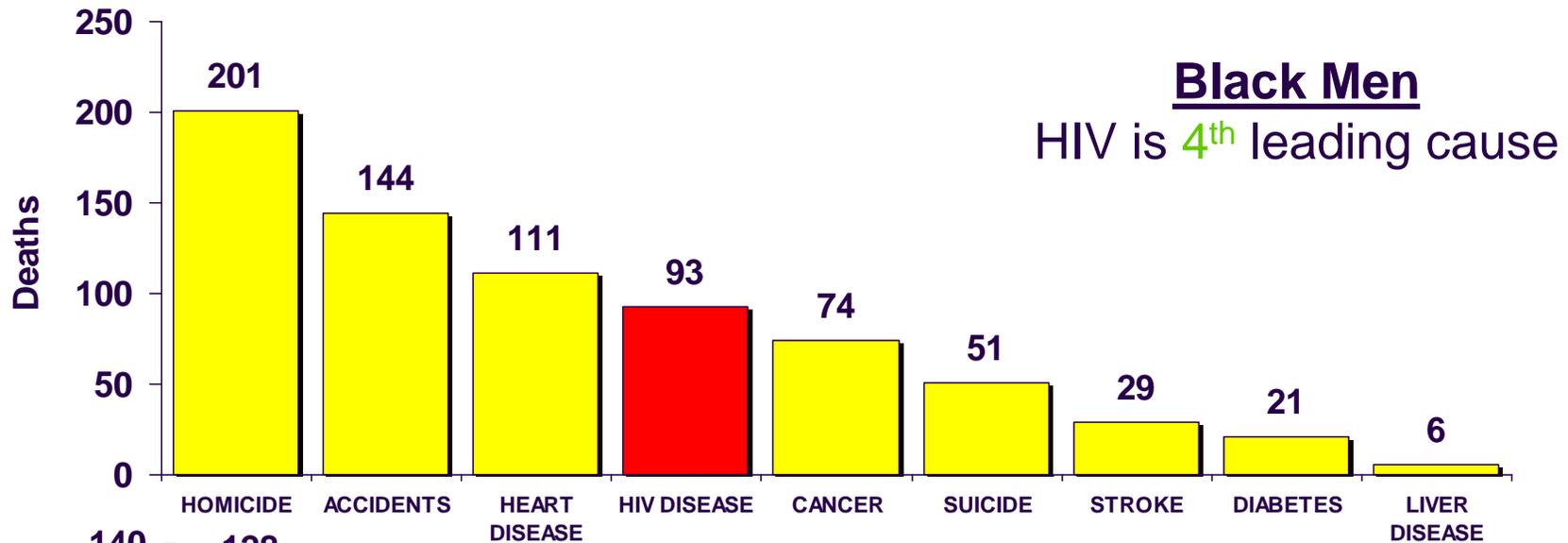
**For the first time ever, in 2010,
HIV/AIDS *dropped from
the first to the second*
leading cause of death for
black females,
25 to 44 years of age.**

**Furthermore,
HIV dropped to the
4th leading cause of death
among black males, 25 to 44 years of age.**

These ranks were also observed in 2011.



Leading Causes of Death among Blacks 25-44 Years Old by Sex, 2011, Florida



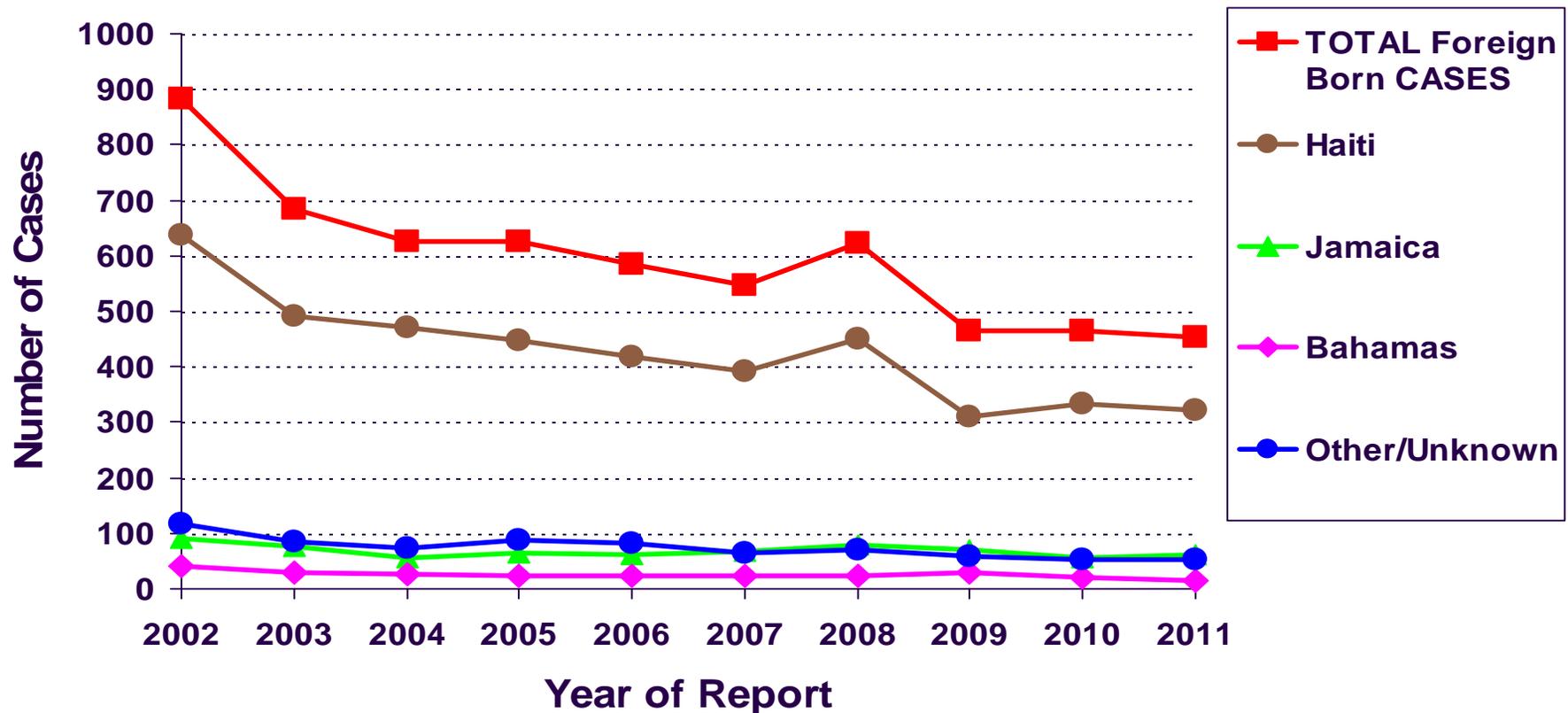
Impact of HIV Disease among Blacks, by Country of Birth in Florida, Reported Through 2011

Selected slides from the Country of Birth Slide Set, see site below for entire set.

http://www.doh.state.fl.us/disease_ctrl/aids/trends/slides/slides.html

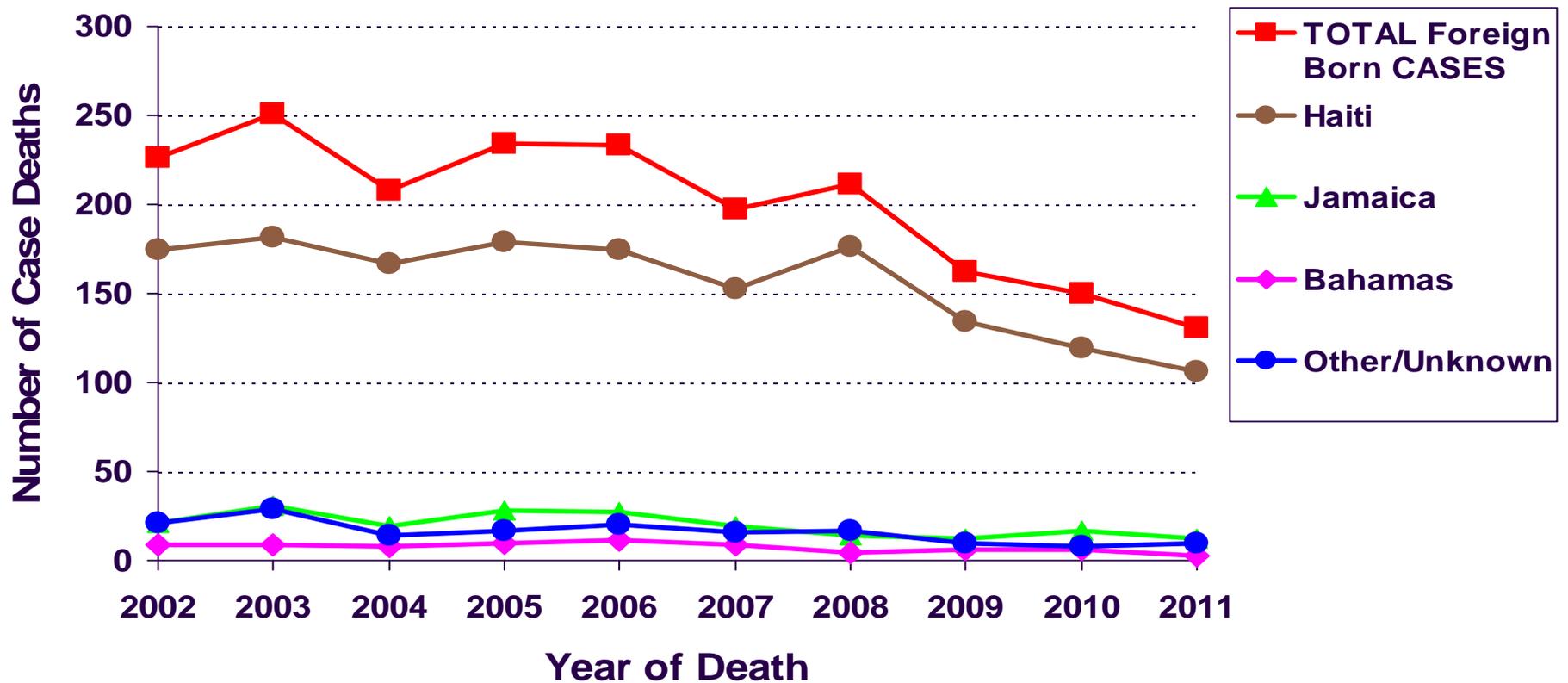


Black Foreign-Born Adult HIV/AIDS Cases by Country of Birth and Year of Report, 2002-2011, Florida



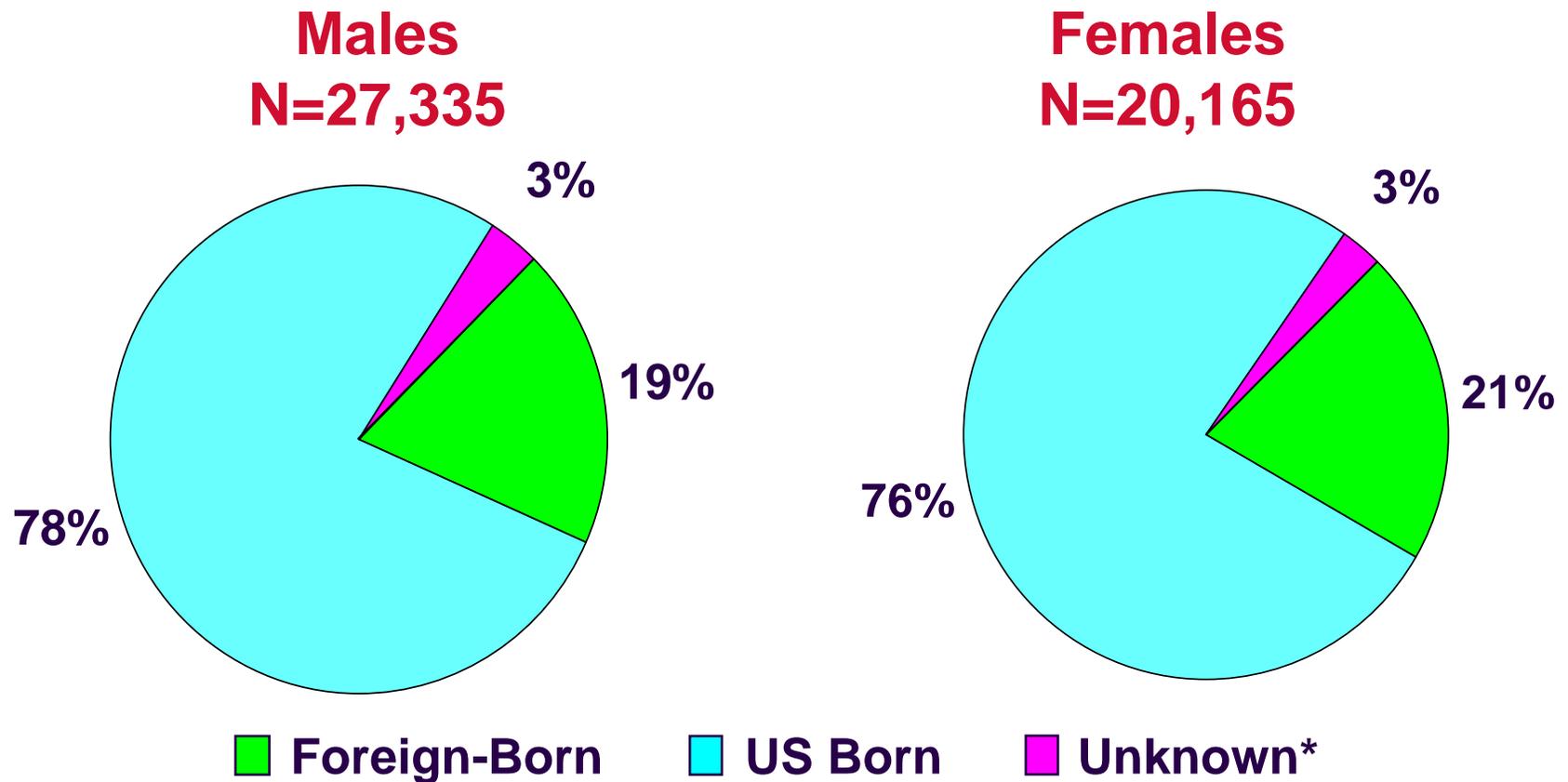
Note: Each year, the majority of black foreign born HIV/AIDS cases were Haitian born. Enhanced reporting laws were implemented in Nov. 2006, leading to an artificial peak in HIV cases in 2007 & 2008.

Black Foreign-Born, Adult HIV/AIDS Cases, Known Dead, Regardless of Cause, by Country of Birth and Year of Death, Florida, 2002-2011



Note: Each year, the majority of black foreign born HIV/AIDS case deaths were Haitian born. Enhanced reporting laws were implemented in Nov. 2006, leading to an artificial peak in HIV cases in 2007 & 2008.

Black Adults Living with HIV Disease, by Country of Birth & Sex, Reported through 2011, Florida

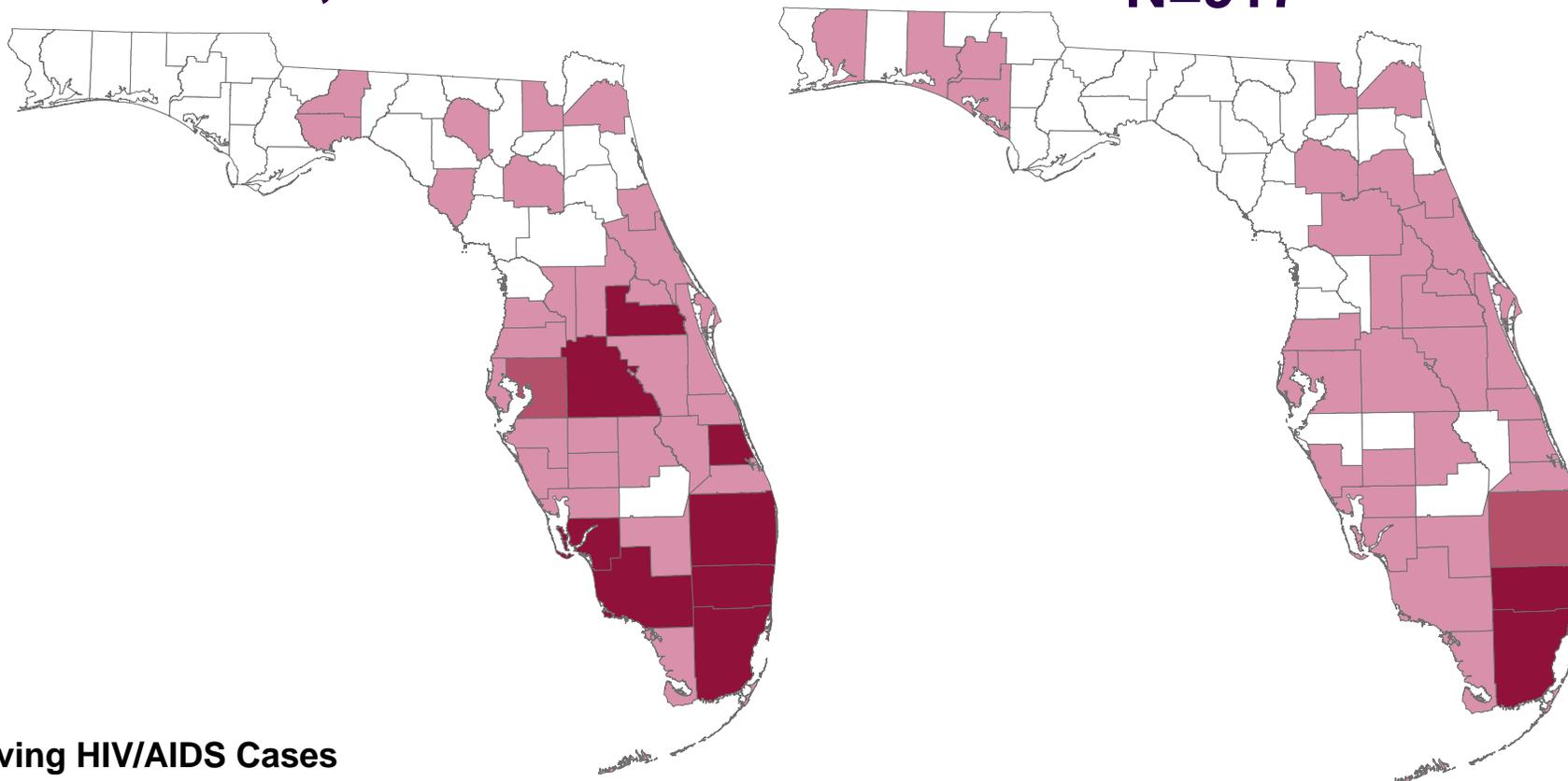


The majority (78% males and 76% females) of blacks living with HIV disease in Florida were born in the United States.

Black Adults Living with HIV Disease, by Selected Country of Birth, Reported through 2011, Florida

Haiti
N=7,118

Jamaica
N=917



Living HIV/AIDS Cases

0 Cases 1-50 Cases 51-100 Cases Over 100 Cases

Black Adults Living with HIV Disease, by Country of Birth*, Reported through 2011, for Florida and Selected South Florida Counties**

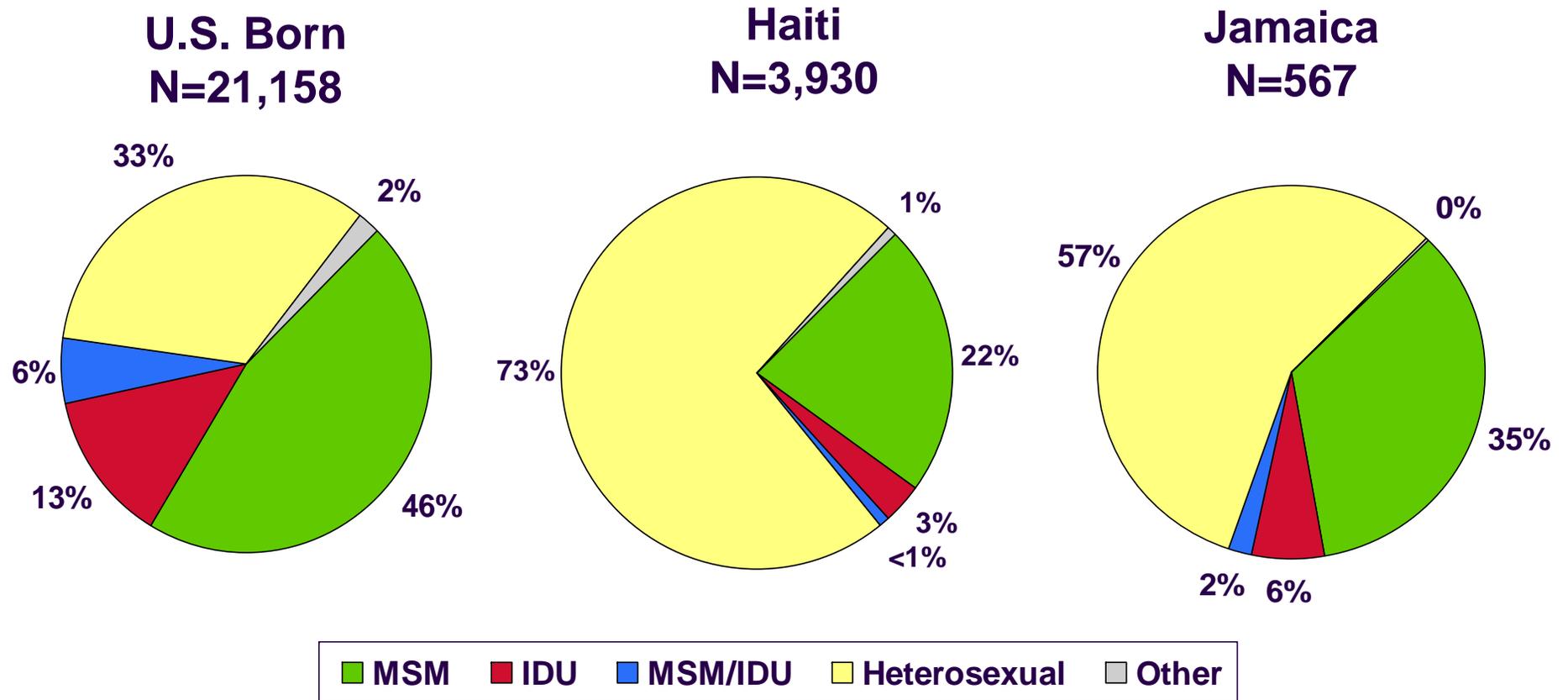
Country of Birth	Florida		Miami-Dade		Broward		Palm Beach	
	#	%	#	%	#	%	#	%
United States	36,539	79%	8,091	70%	5,391	70%	3,177	67%
Haiti	7,163	16%	2,673	23%	1,620	21%	1,396	29%
Jamaica	937	2%	254	2%	374	5%	92	2%
Bahamas	392	1%	203	2%	114	1%	17	0%
Other	976	2%	268	2%	197	3%	51	1%
TOTAL	46,007	100%	11,489	100%	7,696	100%	4,733	100%

*Data sorted by foreign country of birth by number of cases, and excludes cases whose country of birth is unknown.

**County data exclude Department of Correction cases.

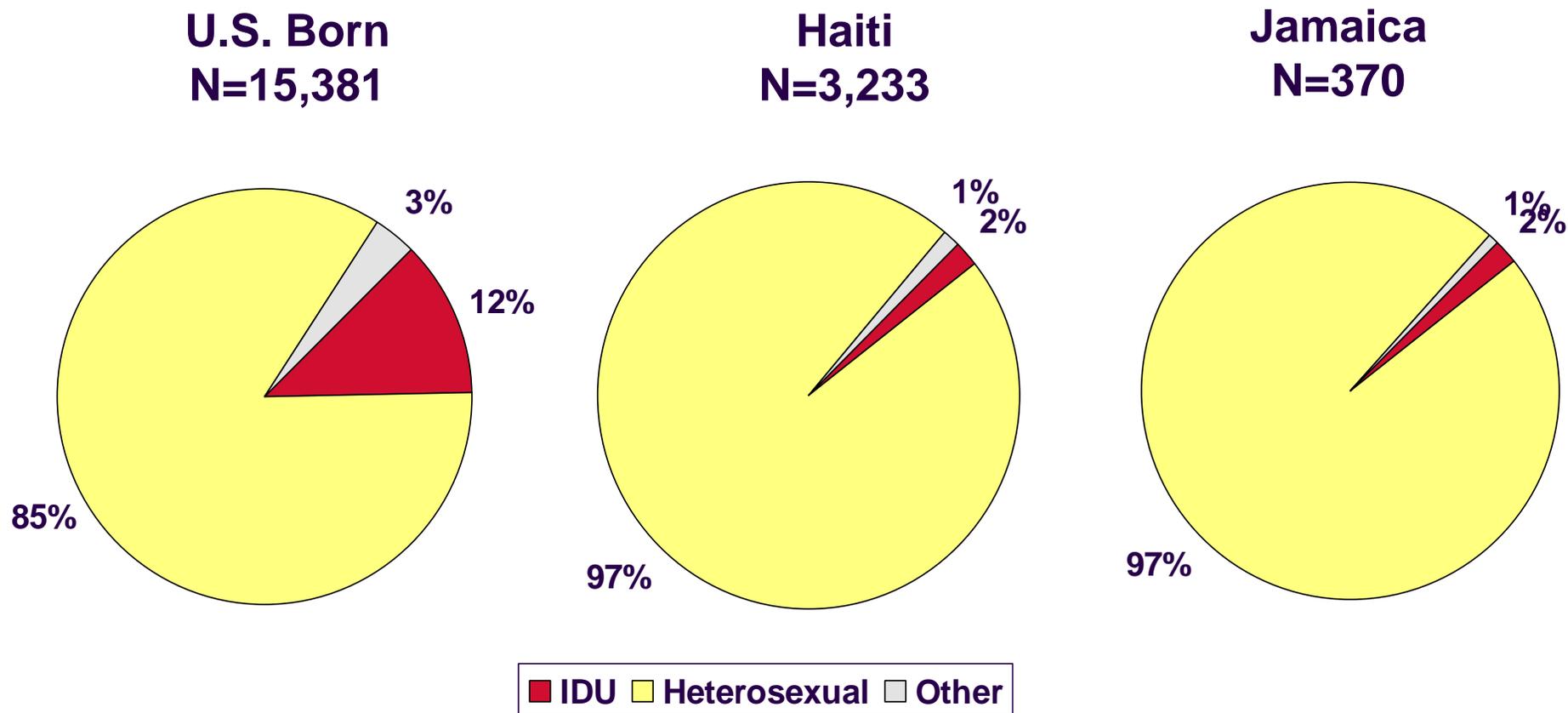


Black Adults Males Living with HIV Disease, by Selected Country of Birth and Mode of Exposure, Reported Through 2011, Florida



Note: NIRs redistributed. Heterosexual contact is a much more common risk factor among male cases born in Haiti and Jamaica, compared to US-born cases.

Black Adults Females Living with HIV Disease, by Selected Country of Birth and Mode of Exposure, Reported Through 2011, Florida



Note: NIRs redistributed. Female US-born cases were more likely to be injection drug users than their Haitian-born or Jamaican-born counterparts.

Underlying Factors Affecting HIV/AIDS Disparities

- Amount of HIV already in the community
- Late diagnosis of HIV or AIDS*
- Access to/acceptance of care*
- Stigma, denial*
- Discrimination, homophobia*
- HIV/AIDS complacency*
- Poverty and unemployment

*Factors that HIV/AIDS initiatives can impact.

- **Minorities are at high risk for HIV infection...**
 - **NOT because of their race**
 - **NOT because of their ethnicity...**
- **But BECAUSE of risk behaviors they may engage in.**

**IT'S NOT WHO YOU ARE,
BUT WHAT YOU DO.**



For Florida HIV/AIDS Surveillance Data
Contact: (850) 245-4444

Lorene Maddox, MPH **Ext. 2613**
Tracina Bush, BSW **Ext. 2612**
Julia Fitz, MPH **Ext. 2373**

Visit Florida's internet site for:

- Monthly Surveillance Reports**
- Slide Sets and Fact Sheets**
- Annual Reports and Epi Profiles**

http://www.doh.state.fl.us/disease_ctrl/aids/trends/trends.html

Visit CDC's HIV/AIDS Internet site for:

Surveillance Reports, fact sheets and slide sets

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