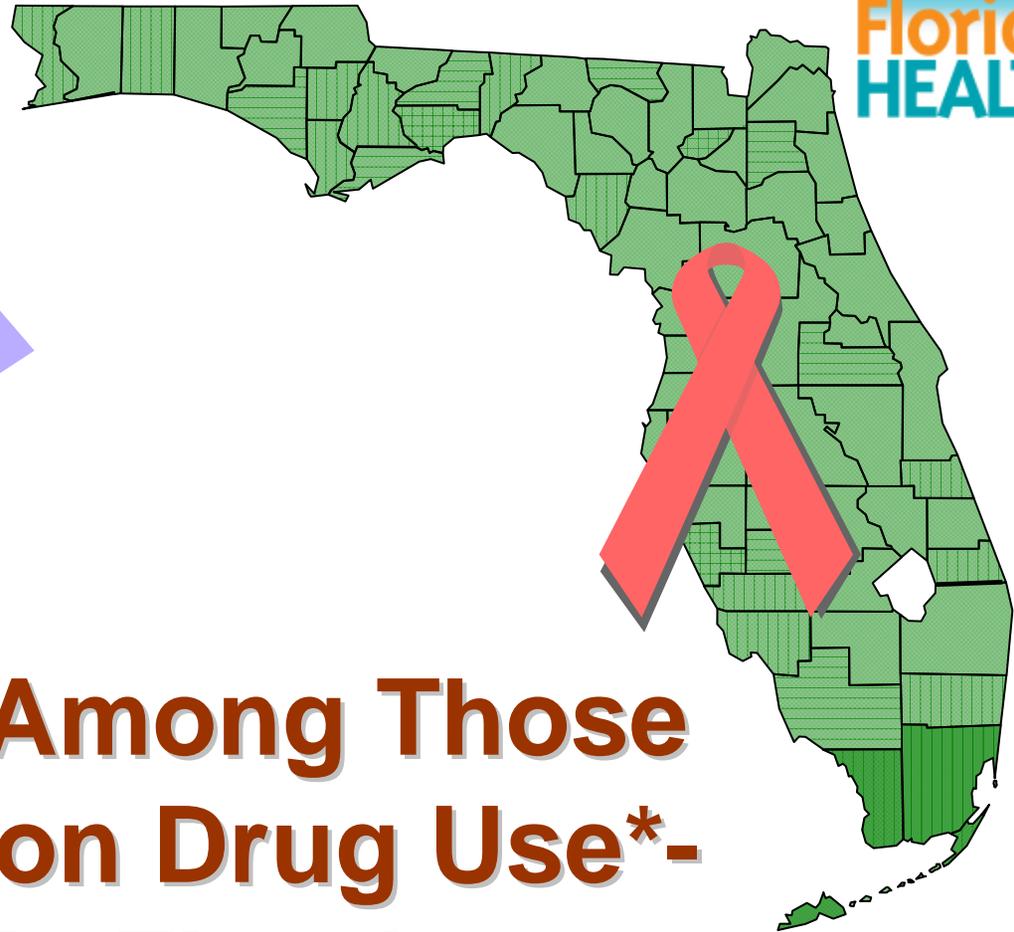
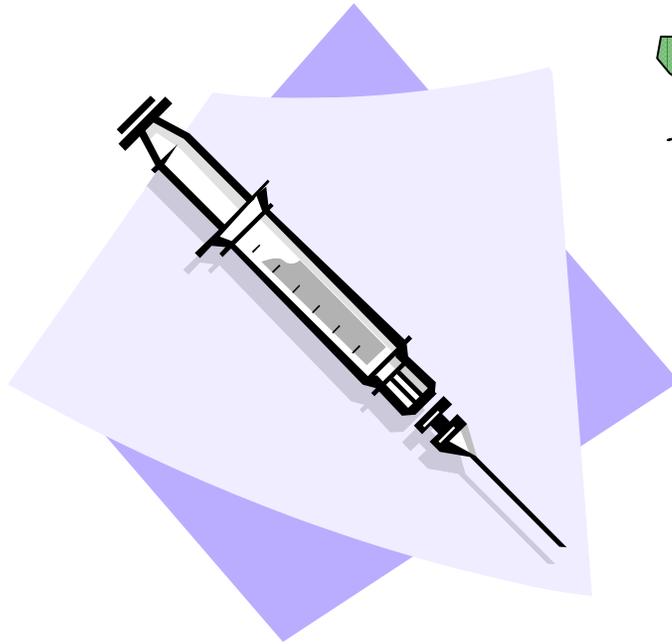


To protect, promote and improve the health of all people in Florida through integrated state, county, and community efforts.



# HIV Infection Among Those with an Injection Drug Use\*- Associated Risk, Florida, 2012

Florida Department of Health

HIV/AIDS and Hepatitis Section

Division of Disease Control and Health Protection

\*Injection Drug Use (IDU) data in this slide set include IDU and MSM/IDU cases  
Data as of 06/30/2013

Created: 09/01/13

Revision: 09/17/13

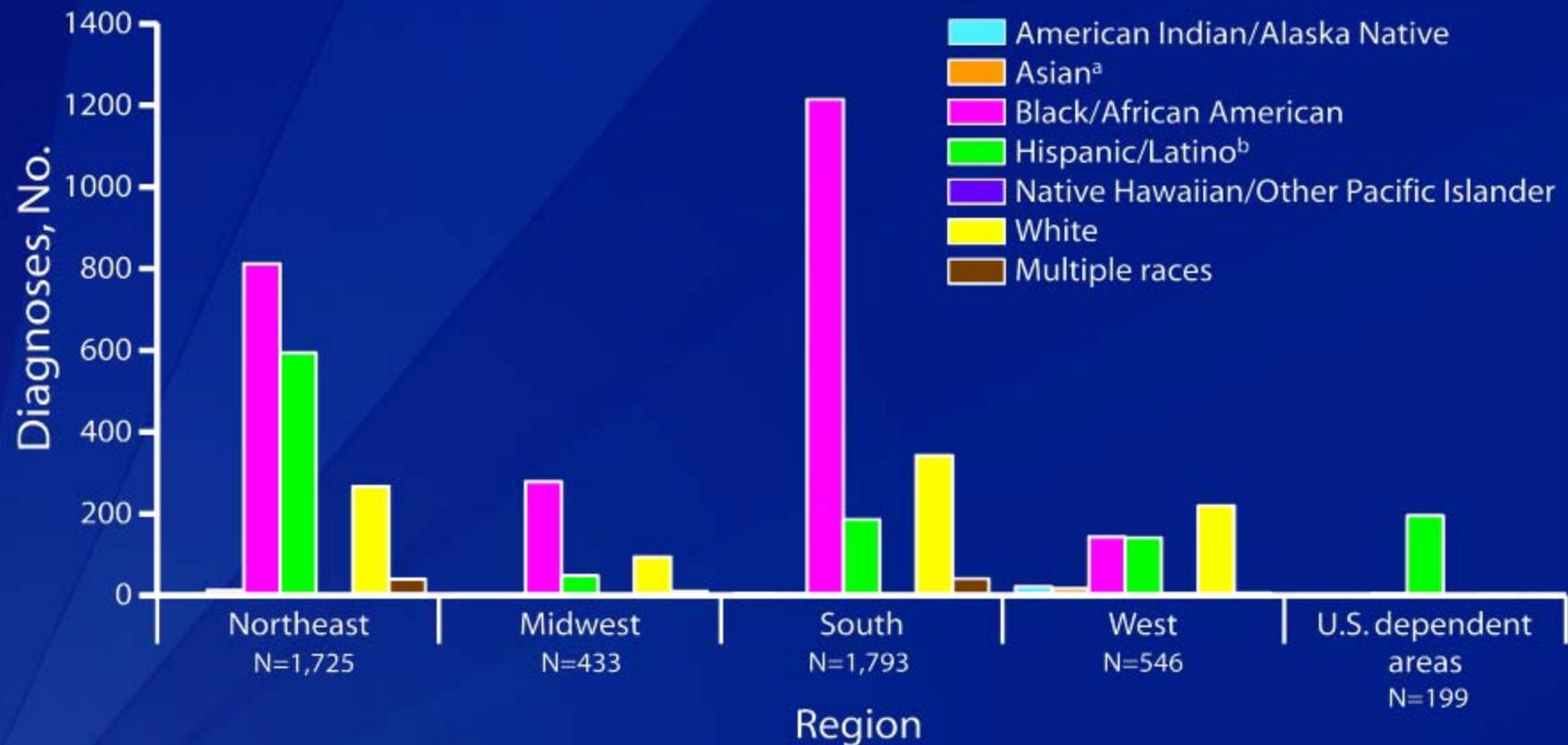
# Definitions of Mode of Exposure Categories

- ◆ **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.

# Injection Drug Use-Associated Risk

- ⓧ **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, IDU data in this slide set include adult cases with an IDU or MSM/IDU mode of exposure.**
- ⓧ **Unless otherwise noted, whites are non-Hispanic and blacks are non-Hispanic.**
- ⓧ **Unless otherwise noted, NIRs have been redistributed.**
- ⓧ **Total statewide data will include Department of Correction Cases (DOC) unless otherwise noted. County data will exclude DOC cases.**
- ⓧ **Data in these slides represent living (prevalent) HIV/AIDS cases (PLWHAs) reported through the most recent calendar year. HIV prevalence data are generated later in the year, usually in May, when most of the “expected” death data are complete.**

## AIDS Diagnoses among Injection Drug Users, by Region and Race/Ethnicity, 2010—United States and 6 U.S. Dependent Areas



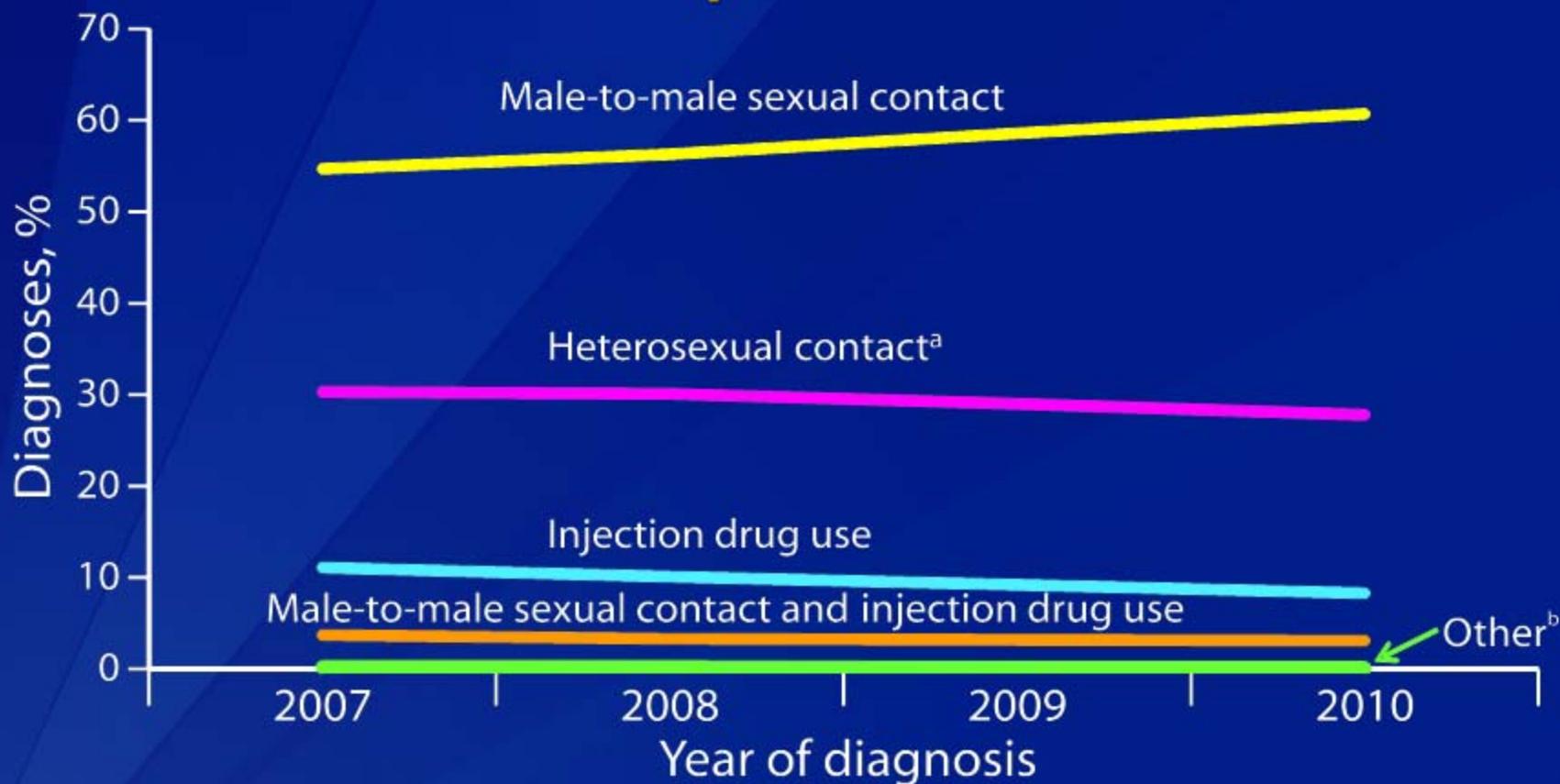
Note. All displayed data have been statistically adjusted to account for reporting delays and missing risk-factor information, but not for incomplete reporting. Data exclude men with HIV infection attributed to male-to-male sexual contact and injection drug use.

<sup>a</sup> Includes Asian/Pacific Islander legacy cases.

<sup>b</sup> Hispanics/Latinos can be of any race.



## Diagnoses of HIV Infection among Adults and Adolescents, by Transmission Category, 2007–2010—46 States and 5 U.S. Dependent Areas



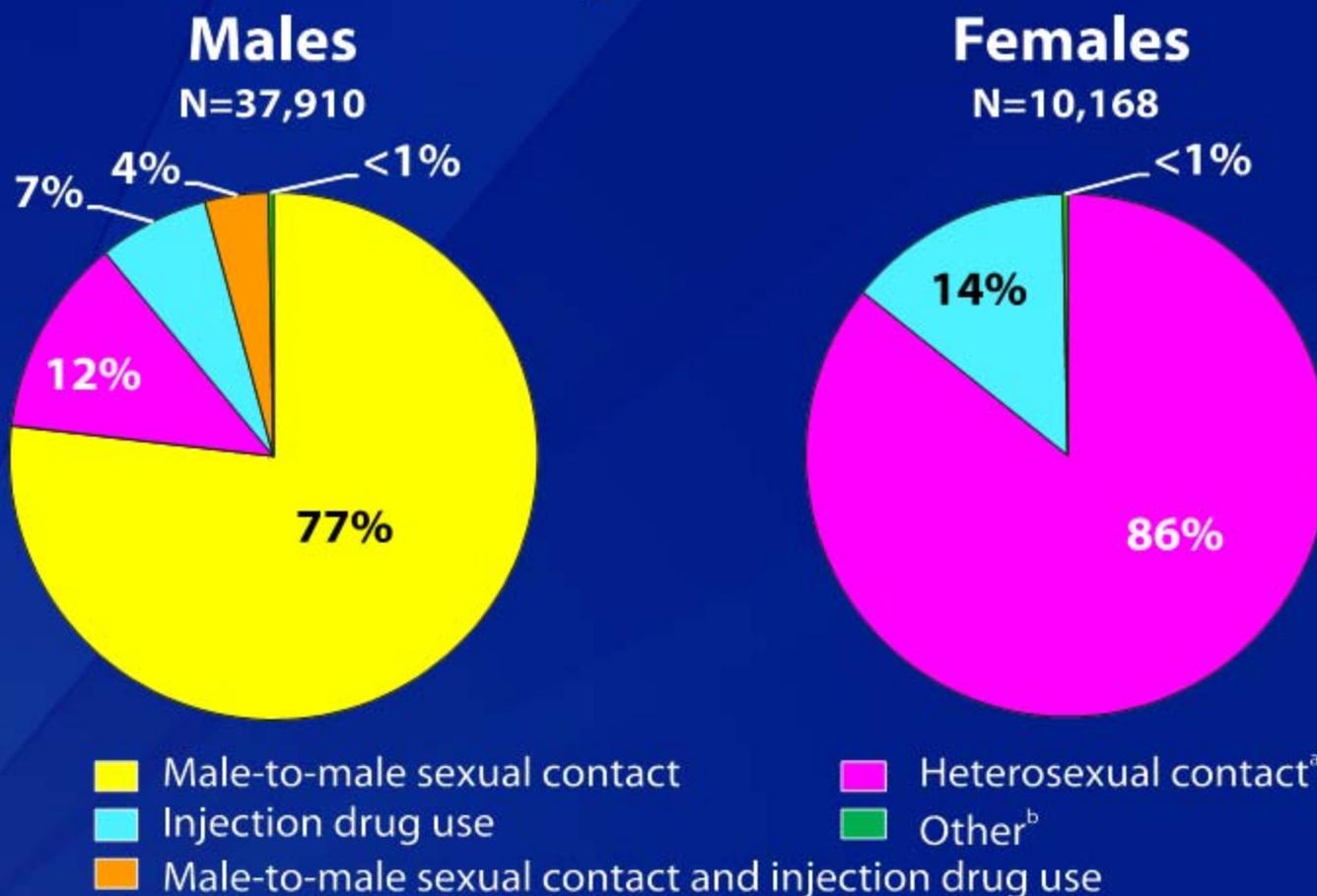
Note. Data include persons with a diagnosis of HIV infection regardless of stage of disease at diagnosis. All displayed data have been statistically adjusted to account for reporting delays and missing risk-factor information, but not for incomplete reporting.

<sup>a</sup> Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

<sup>b</sup> Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.



## Diagnoses of HIV Infection among Adults and Adolescents, by Sex and Transmission Category, 2010—46 States and 5 U.S. Dependent Areas



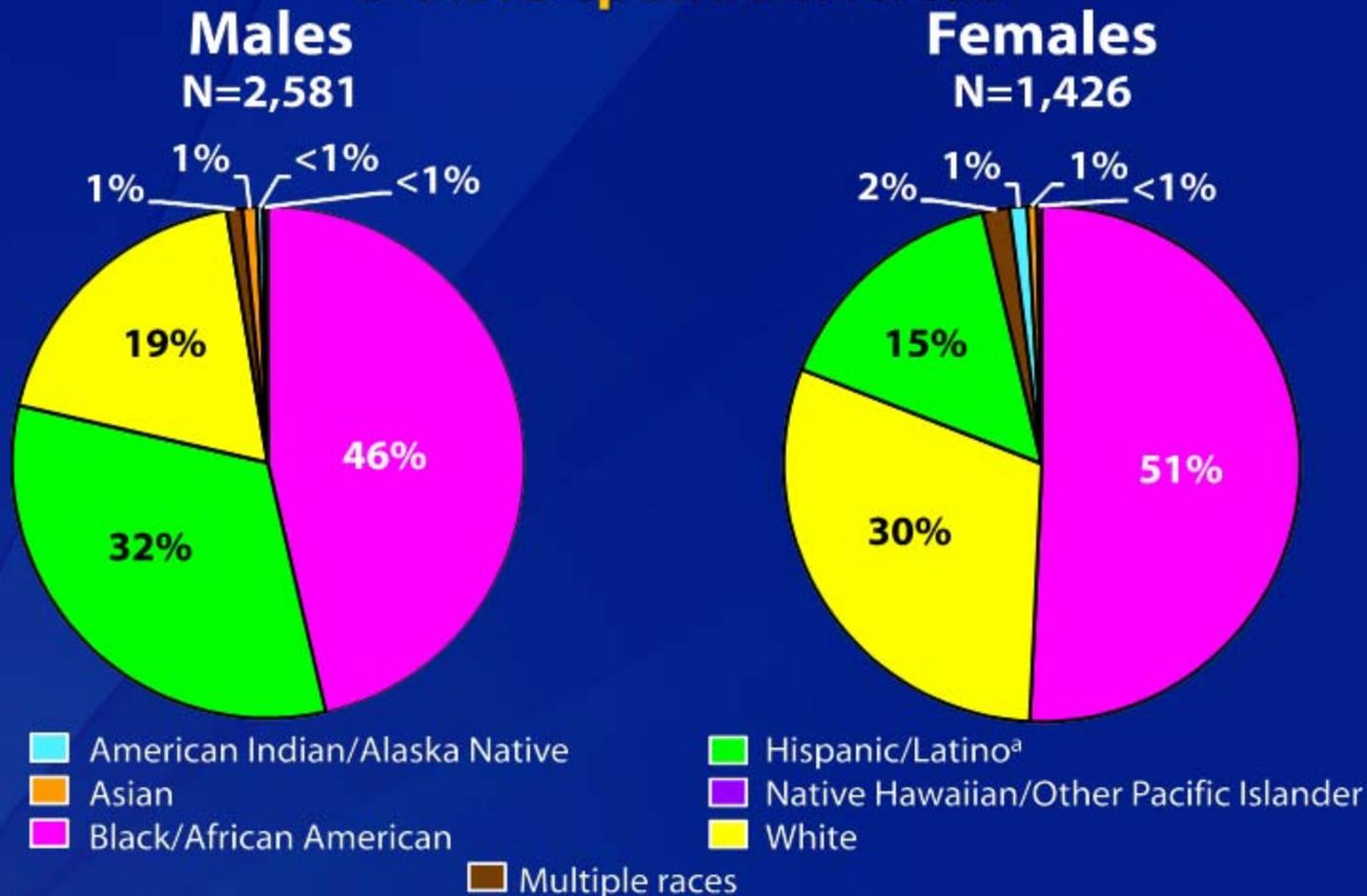
Note. Data include persons with a diagnosis of HIV infection regardless of stage of disease at diagnosis. All displayed data have been statistically adjusted to account for reporting delays and missing risk-factor information, but not for incomplete reporting.

<sup>a</sup> Heterosexual contact with a person known to have, or to be at high risk for, HIV infection.

<sup>b</sup> Includes hemophilia, blood transfusion, perinatal exposure, and risk factor not reported or not identified.



# Diagnoses of HIV Infection among Injection Drug Users, by Sex and Race/Ethnicity, 2010—46 States and 5 U.S. Dependent Areas



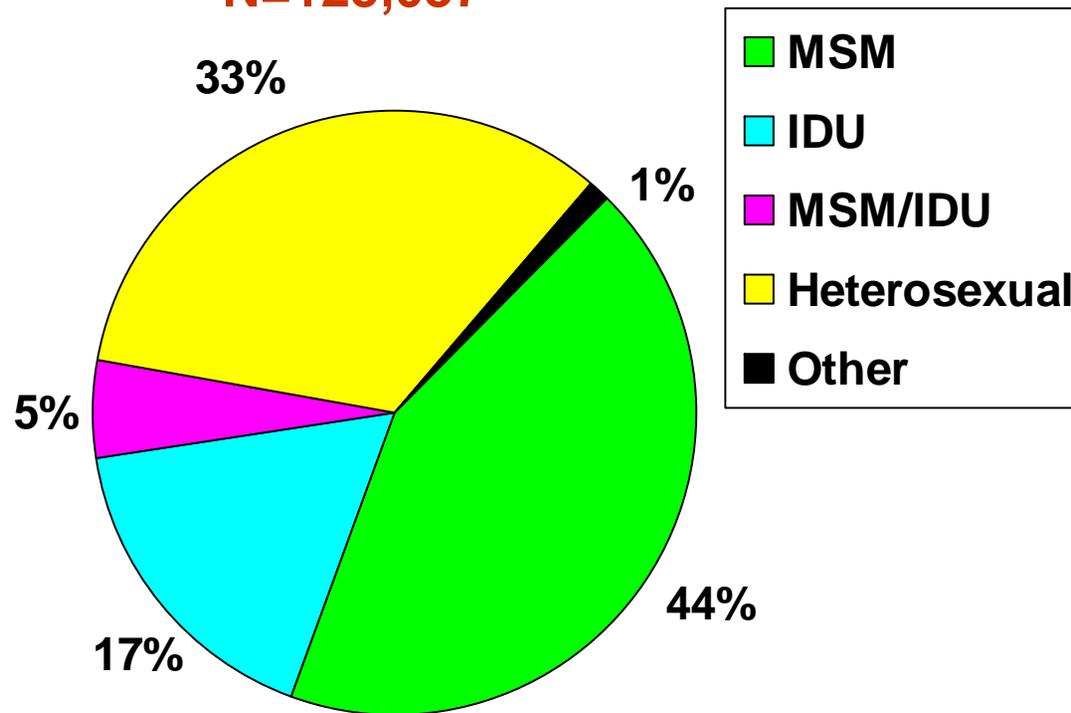
Note. Data include persons with a diagnosis of HIV infection regardless of stage of disease at diagnosis. All displayed data have been statistically adjusted to account for reporting delays and missing risk-factor information, but not for incomplete reporting. Data on injection drug use among males do not include men with HIV infection attributed to male-to-male sexual contact with other men and injection drug use.

<sup>a</sup> Hispanics/Latinos can be of any race.

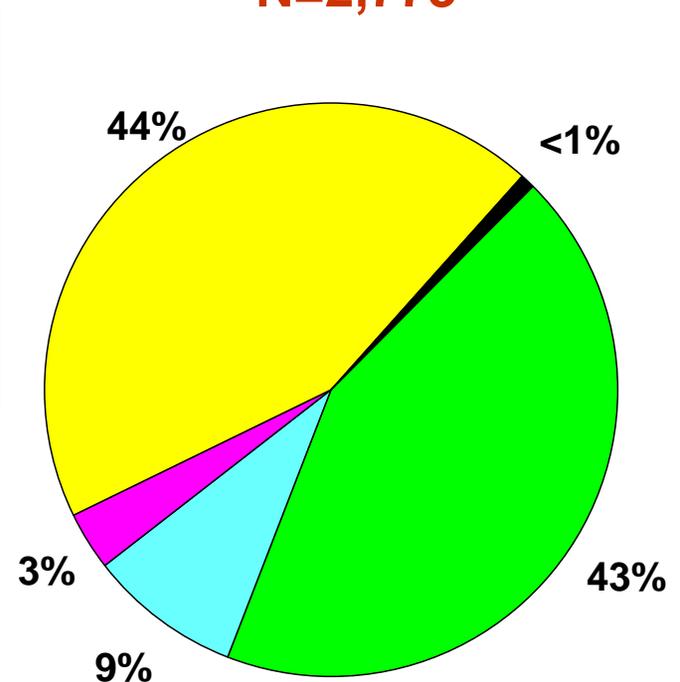


# Adult AIDS Cases by Mode of Exposure, Reported through 2012 vs. in 2012, Florida

**Through 2012**  
N=125,037

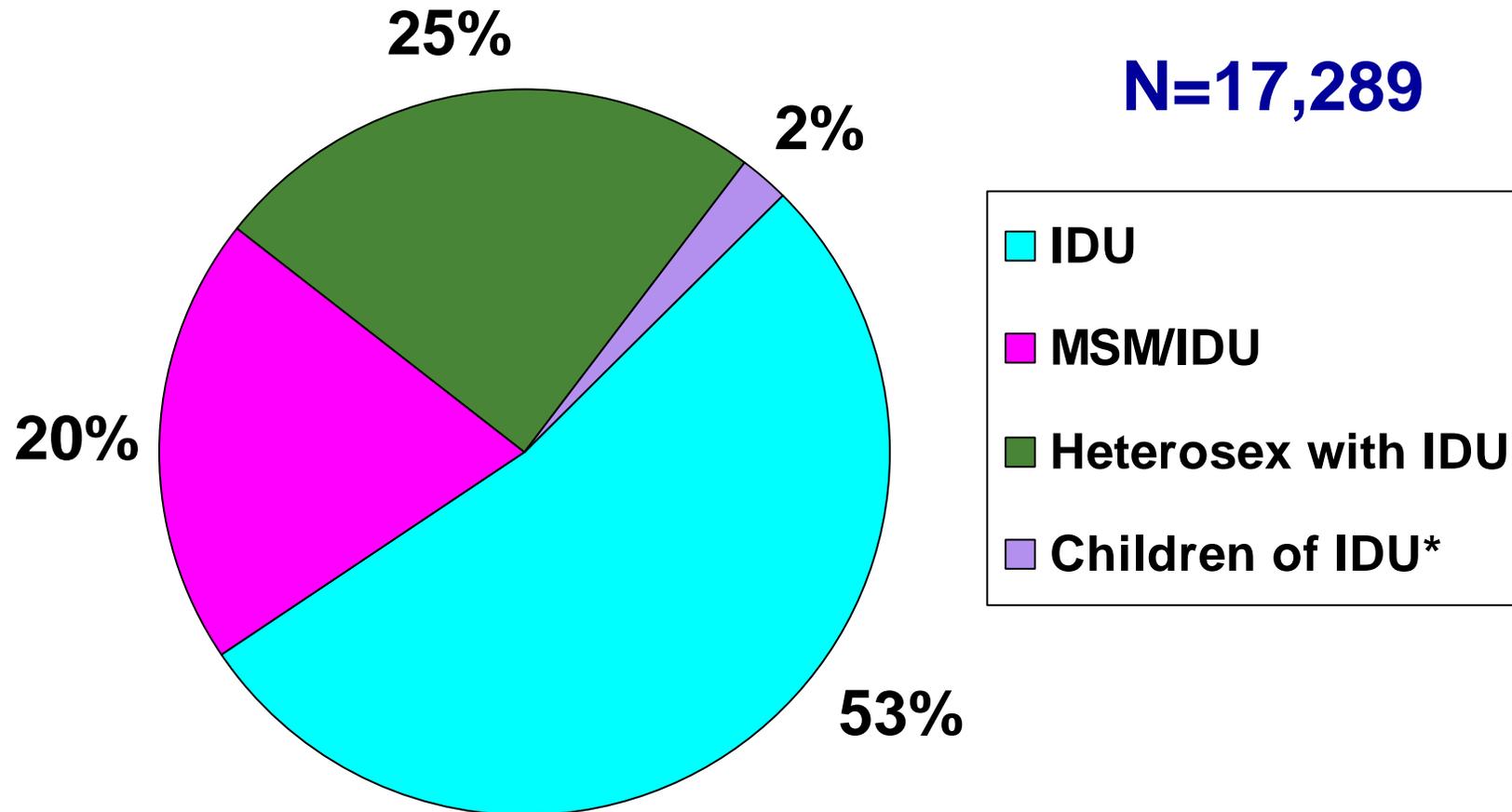


**In 2012**  
N=2,773



Note: NIRs redistributed. In more recent years, the proportions of cases with a heterosexual risk reported has increased whereas the proportions of cases with an IDU or MSM/IDU risk has decreased.

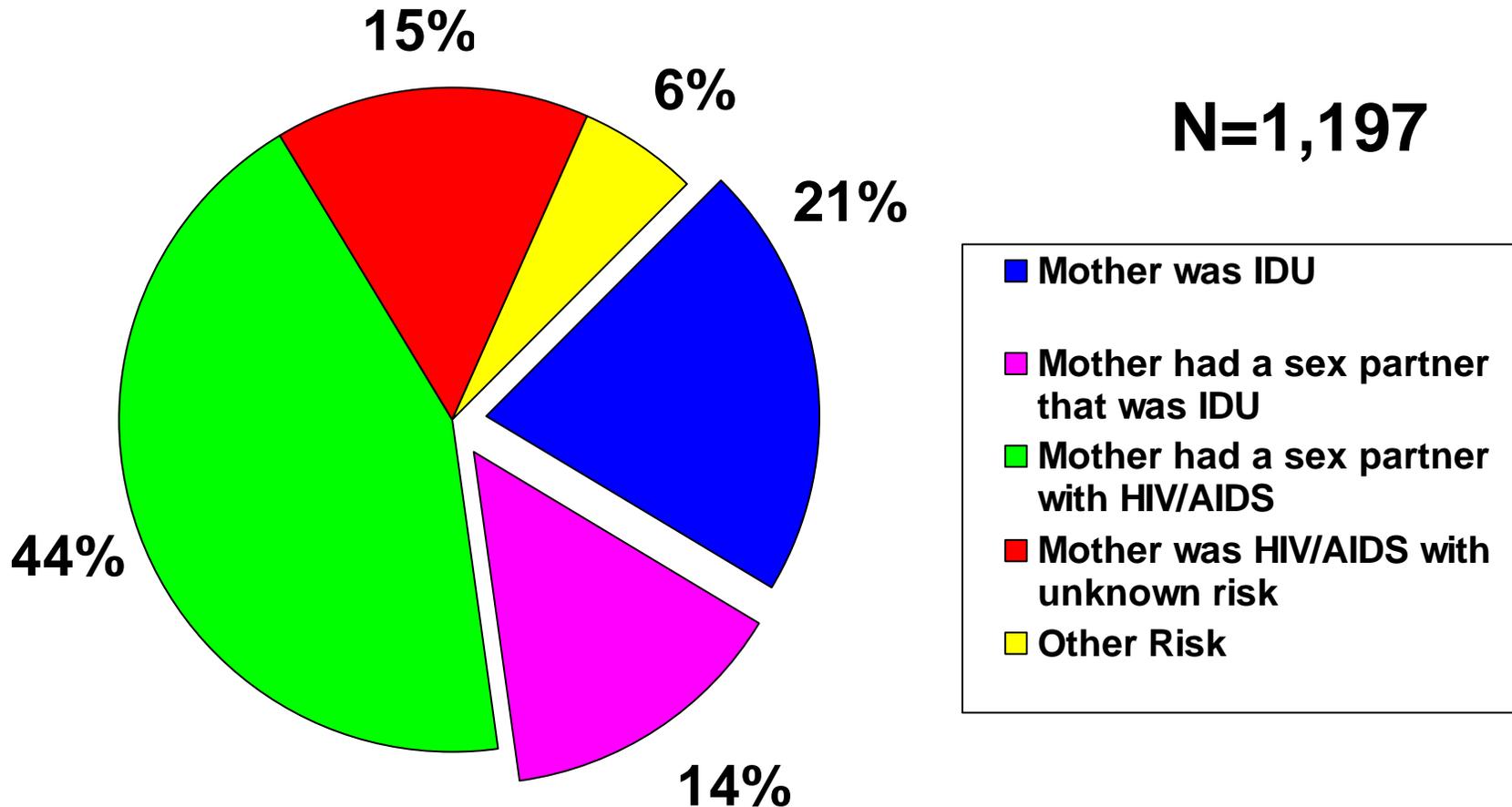
# Injection Drug Use-Associated Transmission Modes among Adults Living with HIV Disease, Reported through 2012, Florida



**Note:** Of the 98,530 persons living with HIV disease through 2012, 17,289 (18%) were IDU-associated.

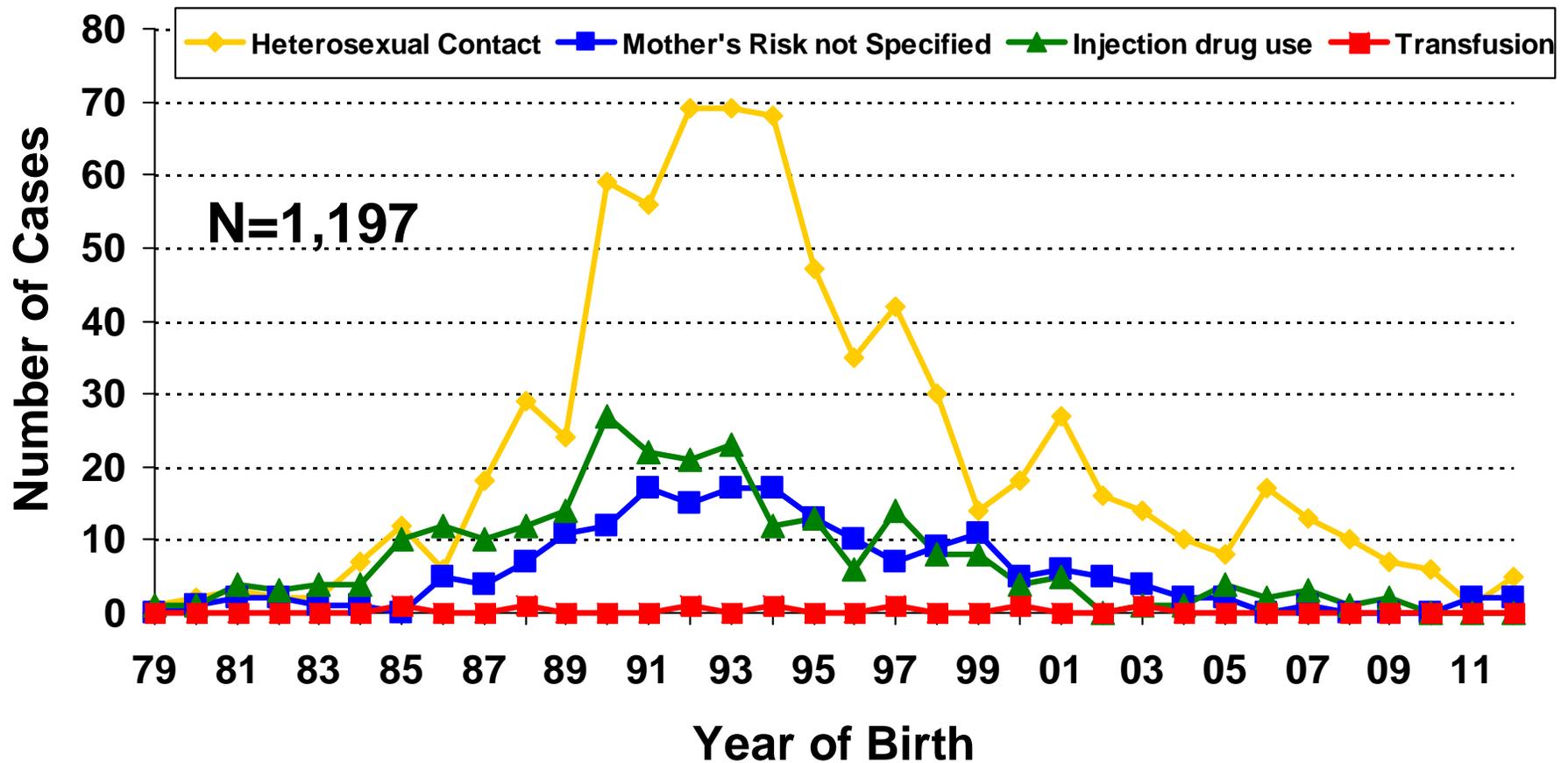
\*Child of IDU includes those with mother's who were IDU or had a sex partner that was IDU.

# Perinatally Acquired HIV Infection Cases Born in Florida, by Mother's Mode of Exposure and Year of Birth, 1979 through 2012



Note: Exploded pieces are IDU-related cases. NIRs are redistributed. Injection drug use directly or indirectly accounts for 35% of the perinatally acquired HIV infection cases.

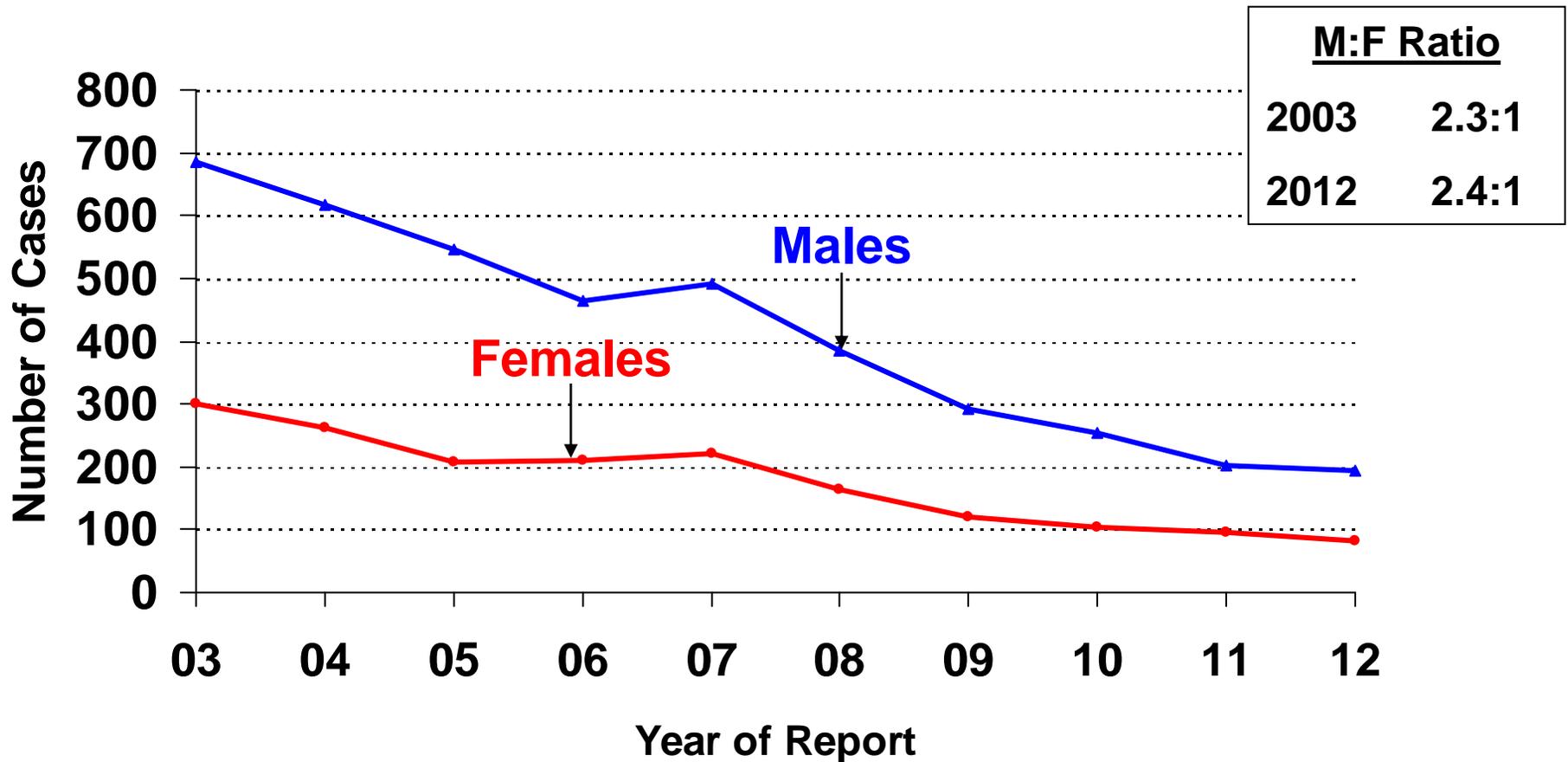
# Perinatally Acquired HIV Infection Cases Born in Florida, by Mother's Mode of Exposure and Year of Birth, 1979-2012



Note: Since 1992 a steady decline was observed for all risks, although heterosexual contact remains the primary mode of exposure among mothers infected with HIV.



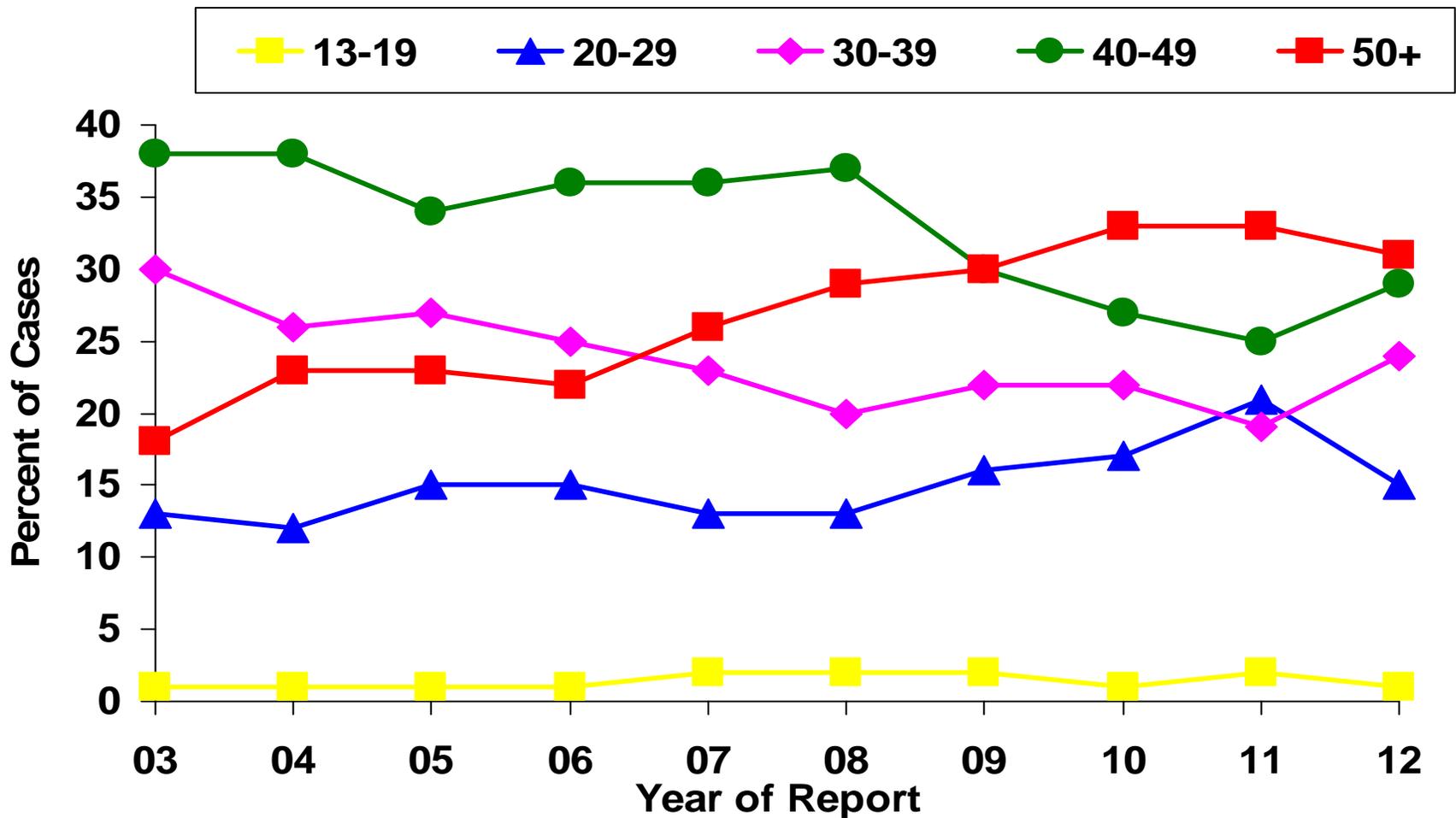
# Injection Drug Use-Associated Adult HIV Disease Cases, by Sex and Year of Report, 2003-2012, Florida



Comment: Male IDU-related risk includes both IDU and/or MSM/IDU for Adults ages 13+ NIRS redistributed. Decreasing trends are observed among both males and females. The male-to-female ratio inclined slightly from 2.3:1 in 2003 to 2.4:1 in 2012.



## Injection Drug Use-Associated Adult HIV Cases, by Age at HIV Diagnosis and Year of Report, 2003-2012, Florida

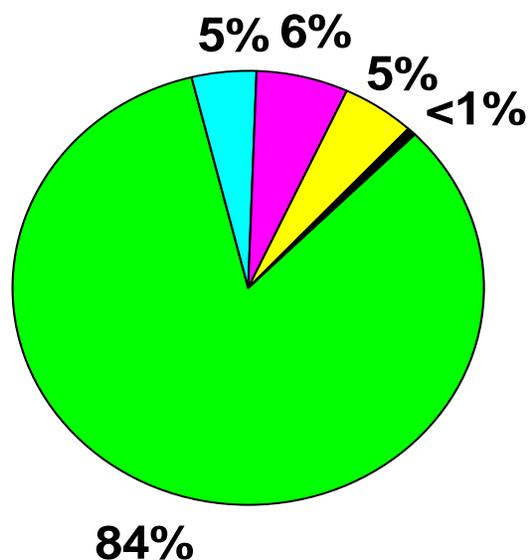


**Comment:** IDU-related risk includes both IDU and/or MSM/IDU for Adults ages 13+. Over the past ten years, proportional increases were observed among both the 20-29 and 50+ age groups.

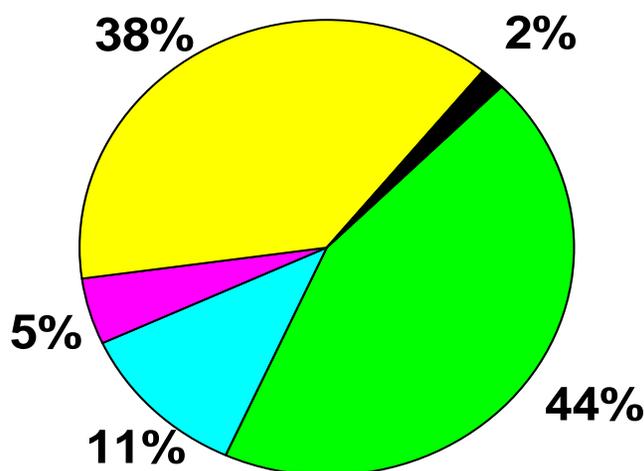
NIRS not redistributed.

# Adult Males Living with HIV Disease by Race/Ethnicity and Mode of Exposure Reported through 2012, Florida

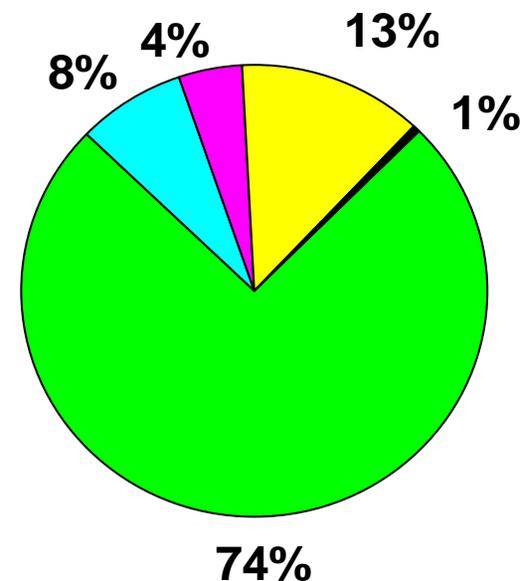
**White**  
N=24,411



**Black**  
N=27,467

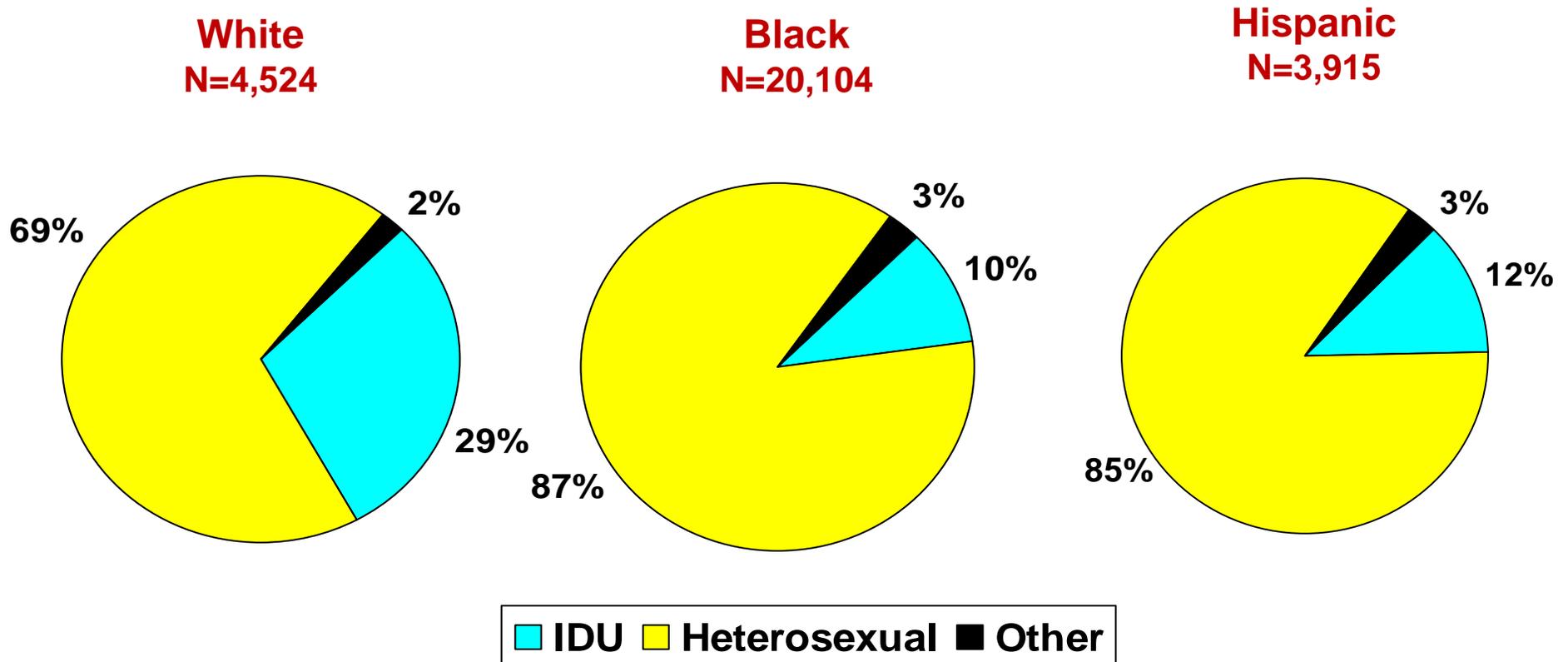


**Hispanic**  
N=16,037



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.

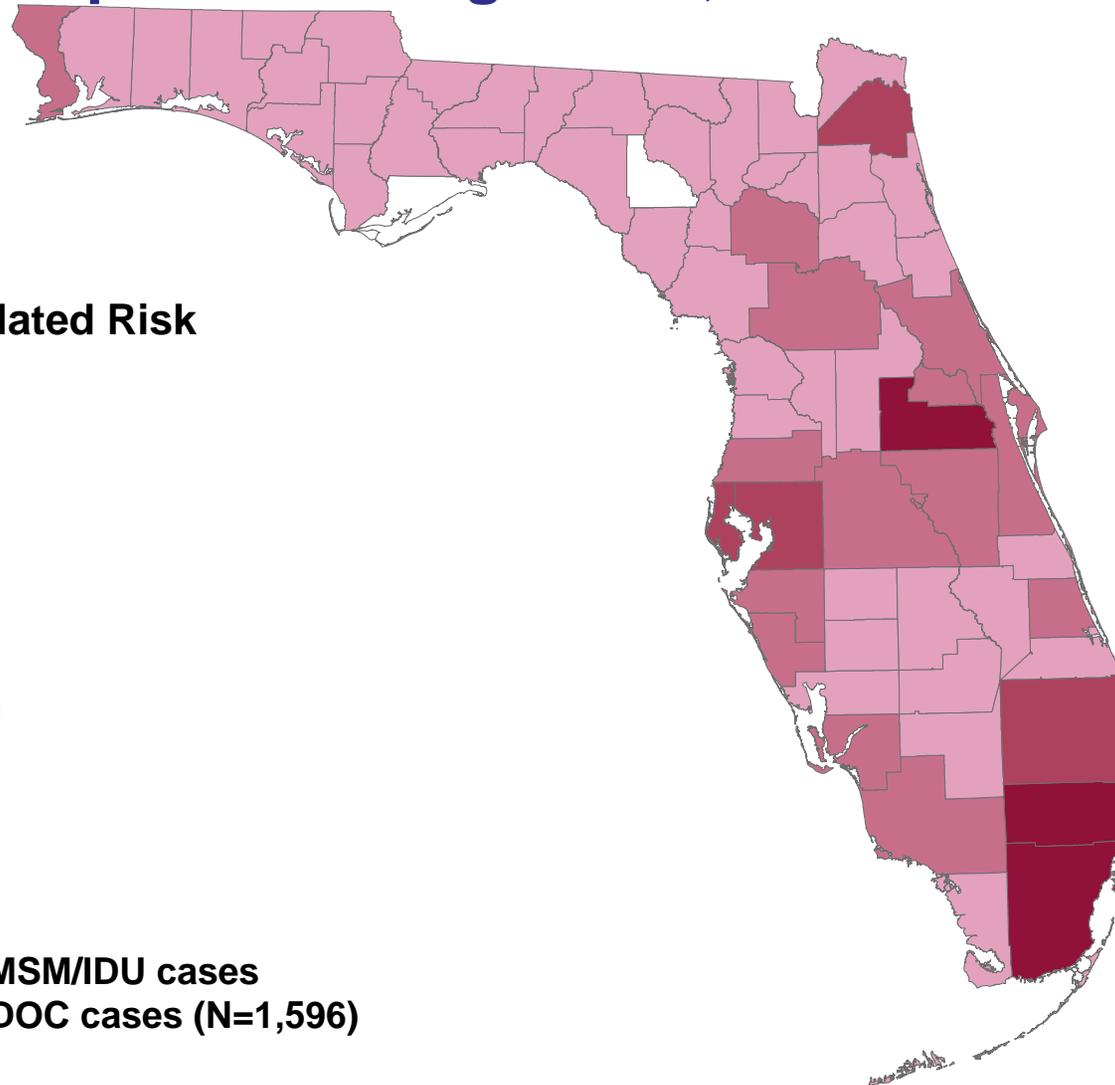
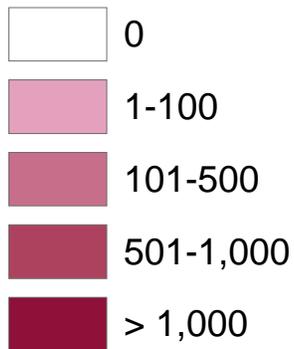
# Adult Females Living with HIV Disease by Race/Ethnicity and Mode of Exposure Reported through 2012, Florida



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.

# Persons Living with HIV/AIDS (PLWHAs),\* with an Injection Drug Use-Associated Risk,\*\* by County of Residence,\*\*\* Reported through 2012, Florida

PLWHAs with IDU-related Risk  
N=13,065



\* Adult Cases Only  
\*\* IDU includes IDU and MSM/IDU cases  
\*\*\* County data excludes DOC cases (N=1,596)  
Data as of 06/30/2013

# Adults Living with HIV/AIDS (PLWHA)<sup>§</sup> with an Injection Drug Use-Associated Risk, for Selected Counties, Reported through 2012, Florida

County	Total PLWHA Cases	Total IDU*	Percent IDU	Total Sex w/IDU **	Percent Sex w/IDU
Miami-Dade	25,544	3,274	13%	1,290	5%
Broward	16,593	2,103	13%	851	5%
Palm Beach	7,769	1,484	19%	829	11%
Orange	7,149	1,291	18%	504	7%
Hillsborough	5,898	1,144	19%	518	9%
Duval	5,372	1,009	19%	439	8%
Pinellas	3,564	723	20%	338	9%
Lee	1,677	305	18%	126	8%
St. Lucie	1,508	302	20%	136	9%
Volusia	1,358	324	24%	116	9%
Brevard	1,256	268	21%	99	8%
<b>STATE TOTAL***</b>	<b>98,291</b>	<b>17,289</b>	<b>18%</b>	<b>7,841</b>	<b>8%</b>

\* Total IDU = IDU Cases + Men who have sex with Men (MSM)/IDU + heterosexual sex with IDU + Child of IDU mom

\*\* Sex w/IDU = Men who have sex with Men (MSM)/IDU & heterosexual sex with IDU

\*\*\* County data excludes Department of Corrections (DOC) cases

and State total includes data from all 67 counties, and includes DOC cases

§ Persons Living with HIV/AIDS (PLWHA).

Note: NIRs redistributed.



## Adults Living with HIV/AIDS (PLWHA)\* with an Injection Drug Use-Associated Risk, for Eligible Metropolitan Areas (EMAs), Reported through 2012, Florida

		PLWHA with Total IDU* Risk		PLWHA with Heterosexual Sex Partner with IDU Risk**	
EMA	Total PLWHA	#	%	#	%
Jacksonville	6,043	1,147	19%	503	8%
Orlando	10,213	1,808	18%	725	7%
Tampa/St. Pete	11,192	2,075	19%	970	9%
Palm Beach	7,769	1,484	19%	829	11%
Ft. Lauderdale	16,593	2,103	13%	851	5%
Miami-Dade	25,544	3,274	13%	1,290	5%
<b>STATE TOTAL***</b>	<b>98,291</b>	<b>17,286</b>	<b>18%</b>	<b>7,841</b>	<b>8%</b>

\* Total IDU = IDU Cases; Men who have sex with Men (MSM)/IDU; heterosexual sex with IDU and Child of IDU mom

\*\* Sex w/IDU = Men who have sex with Men (MSM)/IDU & heterosexual sex with IDU

\*\*\* EMA data excludes Department of Corrections (DOC) cases

and State total includes data from all 67 counties, and includes DOC cases



## Selected Substance Abuse among High School Students, by Grade, as captured in the Youth Risk Behavior Survey (YRBS), Florida, 2011

	<u>9<sup>th</sup></u>	<u>10<sup>th</sup></u>	<u>11<sup>th</sup></u>	<u>12<sup>th</sup></u>
<b>5+ drinks in a row in past 30 days</b>	12.2%	16%	23.7%	24.8%
<b>Marijuana use in past 30 days</b>	16.9%	20.3%	26.7%	26.2%
<b>Cocaine use (any) in past 30 days</b>	3%	3.2%	3.7%	2.8%

Note: Two-stage Random Sample of 6,212 High School Students. Data is current as of 3/25/2013.  
For more details on Florida YRBS, go to:

[http://www.doh.state.fl.us/disease\\_ctrl/epi/Chronic\\_Disease/YRBS/Intro.htm](http://www.doh.state.fl.us/disease_ctrl/epi/Chronic_Disease/YRBS/Intro.htm)



## Selected Substance Abuse among High School Students, by Race/Ethnicity, as captured in the Youth Risk Behavior Survey (YRBS) Florida, 2011

	<u>Total</u>	<u>White</u>	<u>Black</u>	<u>Hispanic</u>
<b>5+ drinks in a row in past 30 days</b>	<b>19.1%</b>	<b>23.1%</b>	<b>9.2%</b>	<b>20.8%</b>
<b>Marijuana use in past 30 days</b>	<b>22.5%</b>	<b>22.6%</b>	<b>19.1%</b>	<b>25.1%</b>
<b>Cocaine use (any) in past 30 days</b>	<b>3.4%</b>	<b>2.9%</b>	<b>1.4%</b>	<b>5.6%</b>

Note: Two-stage Random Sample of 6,212 High School Students. Data is current as of 3/25/2013.  
For more details on Florida YRBS, go to:

[http://www.doh.state.fl.us/disease\\_ctrl/epi/Chronic\\_Disease/YRBS/Intro.htm](http://www.doh.state.fl.us/disease_ctrl/epi/Chronic_Disease/YRBS/Intro.htm)



# National HIV Behavioral Surveillance (NHBS) among Injection Drug Users (2005-2006)

- Respondent-driven sampling (respondents refer others to participate) was used to recruit 934 IDUs (persons who injected drugs within the past 12 months) in Miami-Dade and Broward counties.
- A majority of the recruits (62%) reported testing for HIV in the past 12 months; nearly all (96%) reported testing for HIV in their lifetime
  - One in 6 (16%) self-reported as HIV+
- One-third of the recruits (34%) reported testing for HCV in the past 12 months; a majority (77%) reported testing for HCV in their lifetime
  - One in 3 (32%) self-reported as HCV+

**Note: Analysis excludes persons diagnosed with HIV infection over 12 month prior to study.  
For full details on this study go to:**

[http://www.doh.state.fl.us/Disease\\_ctrl/aids/Behavioral\\_Surveillance/Florida\\_NHBS\\_IDU\\_Data\\_at\\_a\\_Glance12\\_10\\_08.pdf](http://www.doh.state.fl.us/Disease_ctrl/aids/Behavioral_Surveillance/Florida_NHBS_IDU_Data_at_a_Glance12_10_08.pdf)



# HIV Infection and HIV-Associated Behaviors Among Injection Drug Users – 20 Cities, United States, 2009

- CDC's National HIV Behavioral Surveillance System (NHBS) conducts interviews and HIV testing in selected metropolitan statistical areas (MSAs). This report summarizes data from 10,073 IDUs (persons who injected drugs within the past 12 months) interviewed and tested in 20 MSAs in 2009.
- Of the IDUs tested, 9% had a positive HIV test result, and 45% of those testing positive were unaware of their infection.
- Among the 9,565 IDUs with HIV negative or unknown HIV status before the survey:
  - 69% reported having unprotected sex vaginal sex,
  - 34% reported sharing syringes, and
  - 23% reported having unprotected heterosexual anal sex during the 12 previous months

**Yet for the previous 12-month period, only 49% of IDUs at risk for acquiring HIV infection reported have been tested for HIV.**

Note: Analysis excludes persons diagnosed with HIV infection over 12 month period prior to study.

Source: CDC. (2012, March 2). HIV infection and HIV-associated behaviors among injecting drug users – 20 cities, United States, 2009. *Morbidity and Mortality Weekly Report*, 61(8), 133 – 137. Retrieved June 10, 2013 from <http://www.cdc.gov/mmwr/pdf/wk/mm6108.pdf> (2009 data is the most recent data available)



For Florida HIV/AIDS Surveillance Data  
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**Ext. 2373**

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**Slide Sets and Fact Sheets**  
**Annual Reports and Epi Profiles**

**[http://www.doh.state.fl.us/disease\\_ctrl/aids/trends/trends.html](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**

**<http://www.cdc.gov/hiv/topics/surveillance/resources/reports/index.htm>**