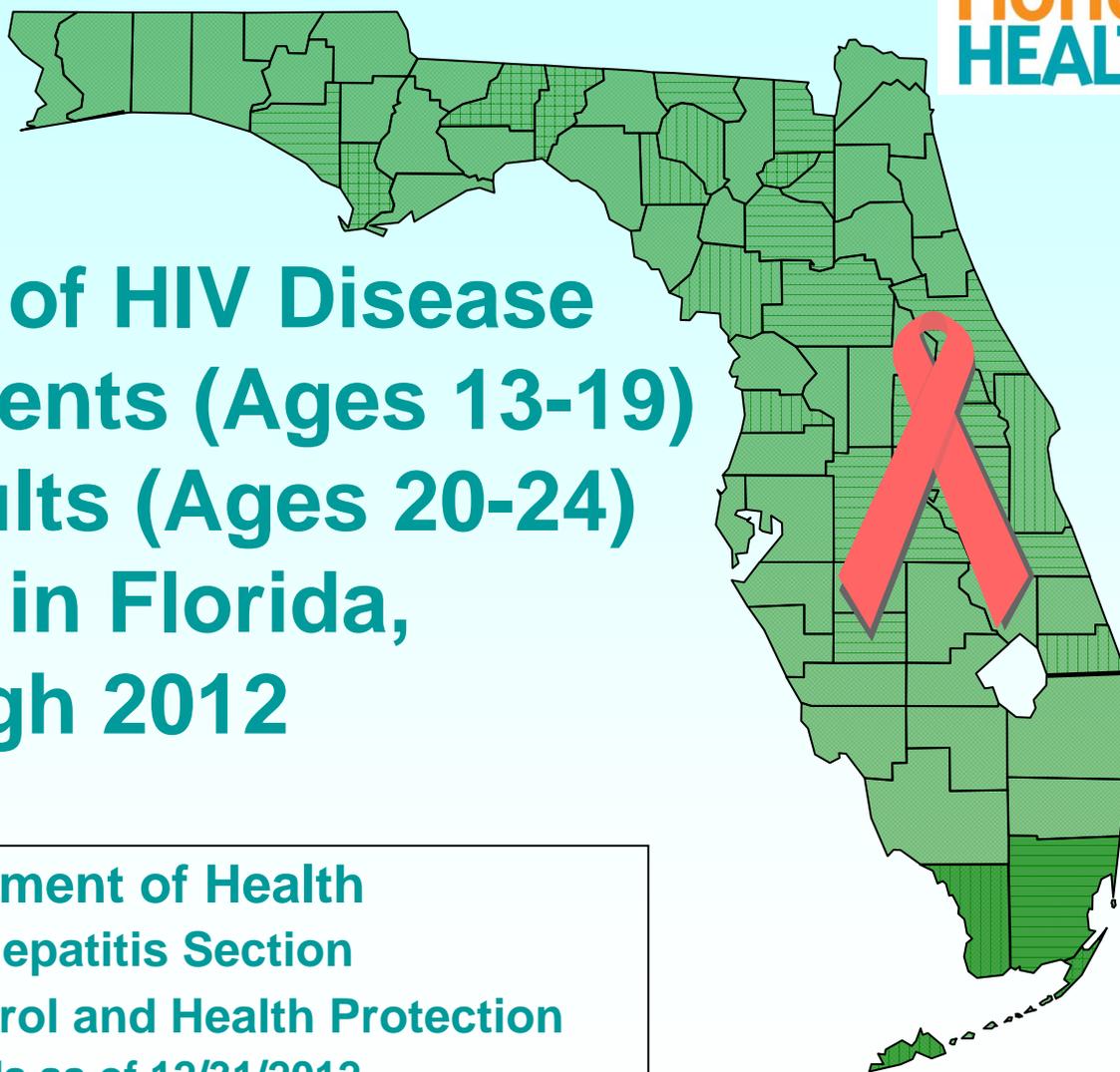


To protect, promote and improve the health of all people in Florida through integrated state, county, and community efforts.



Created: 04/11/13

Revision: 10/15/13



# Epidemiology of HIV Disease Among Adolescents (Ages 13-19) and Young Adults (Ages 20-24) Reported in Florida, Through 2012

**Florida Department of Health  
HIV/AIDS and Hepatitis Section**

**Division of Disease Control and Health Protection**

Annual data trends as of 12/31/2012

Living (Prevalence) data as of 06/30/2013

# HIV and AIDS Case Data

- Ⓡ HIV Infection reporting represents newly reported HIV cases, regardless of AIDS status at time of report.
- Ⓡ AIDS cases and HIV infection cases by year of report are NOT mutually exclusive and CANNOT be added together.
- Ⓡ Adolescents include ages 13-19, Young Adults include ages 20-24.
- Ⓡ 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.
- Ⓡ 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.
- Ⓡ 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](http://www.doh.state.fl.us/disease_ctrl/aids/trends/slides/slides.html)

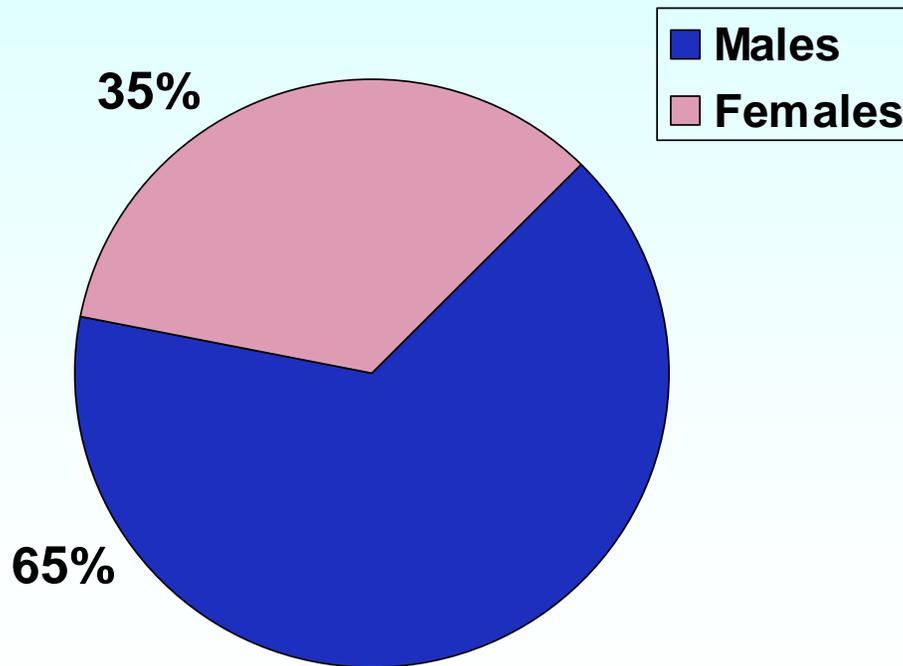


# Definitions of Mode of Exposure Categories

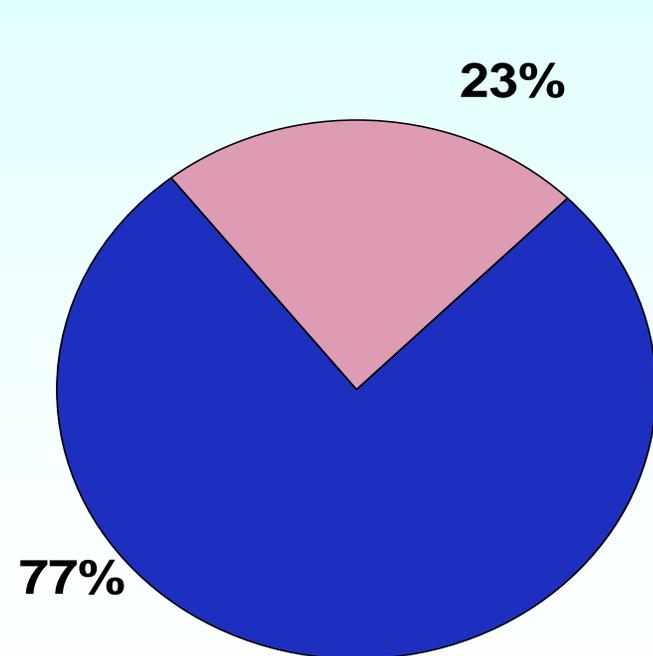
- ◆ **MSM** = Men who have sex with men
- ◆ **IDU** = Injection Drug Use
- ◆ **MSM/IDU** = Men who have sex with men & Injection Drug Use
- ◆ **Heterosexual** = Heterosexual contact with person with HIV/AIDS or known HIV risk
- ◆ **OTHER** = includes hemophilia, transfusion, perinatal and other pediatric 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.

# Cases of AIDS Among Adolescents and Young Adults by Age at Diagnosis and Sex, Reported 2010-2012, Florida

**13-19 years**  
**N=139**

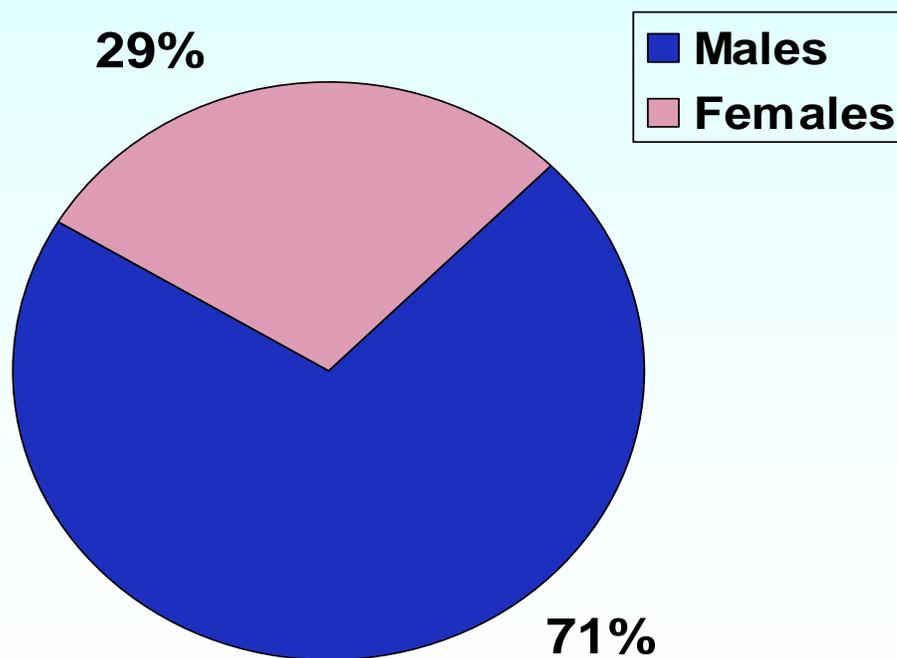


**20-24 years**  
**N=520**

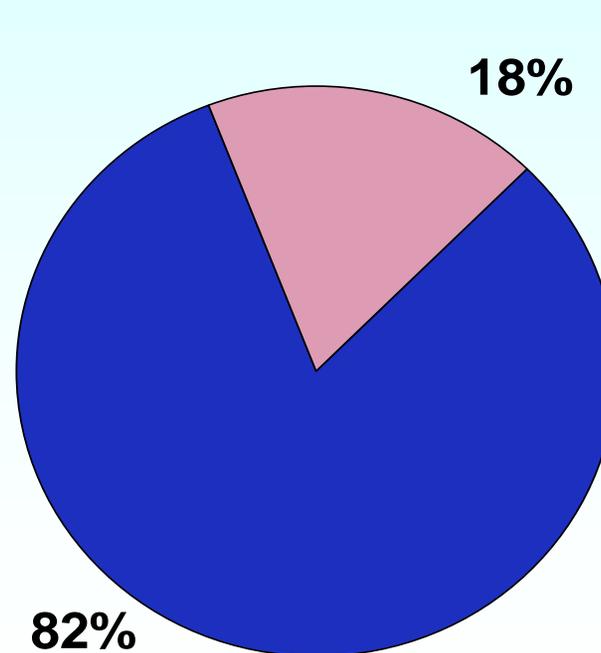


# Cases of HIV Infection Among Adolescents and Young Adults by Age at Diagnosis and Sex, Reported 2010-2012, Florida

**13-19 years**  
**N=637**

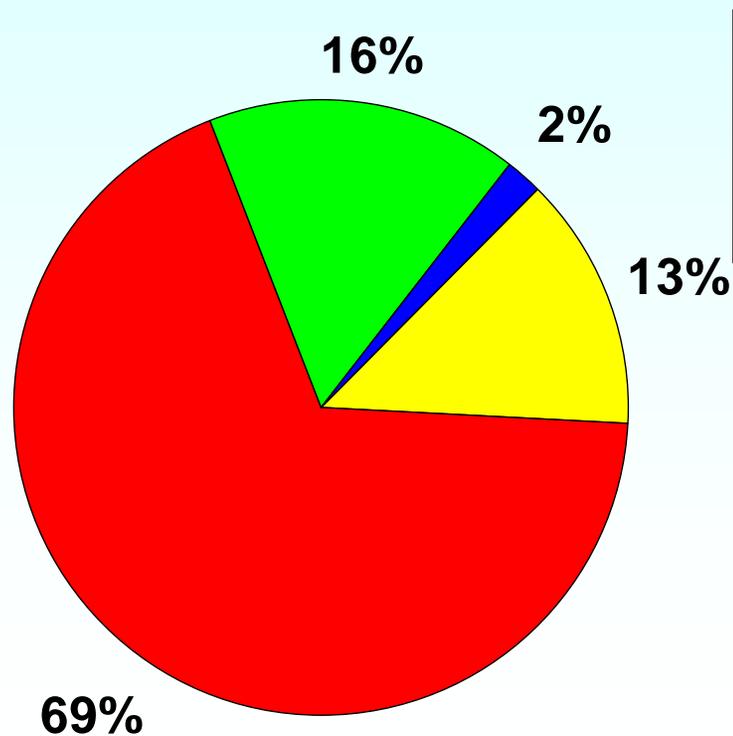


**20-24 years**  
**N=2,073**

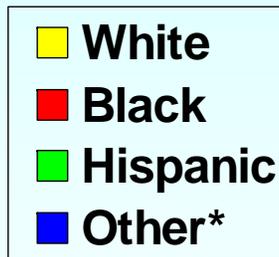
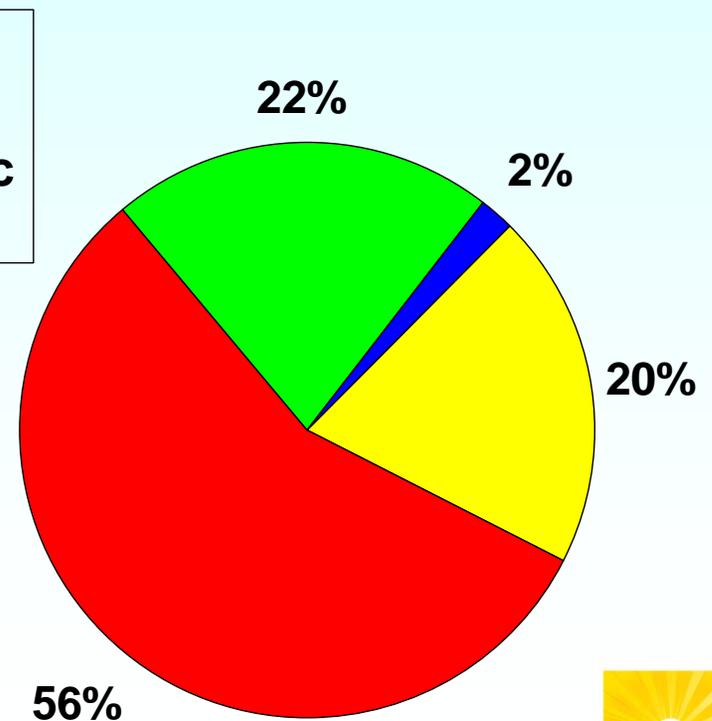


# Cases of HIV Infection Among Adolescents and Young Adults by Age at Diagnosis and Race/Ethnicity, Reported 2010-2012, Florida

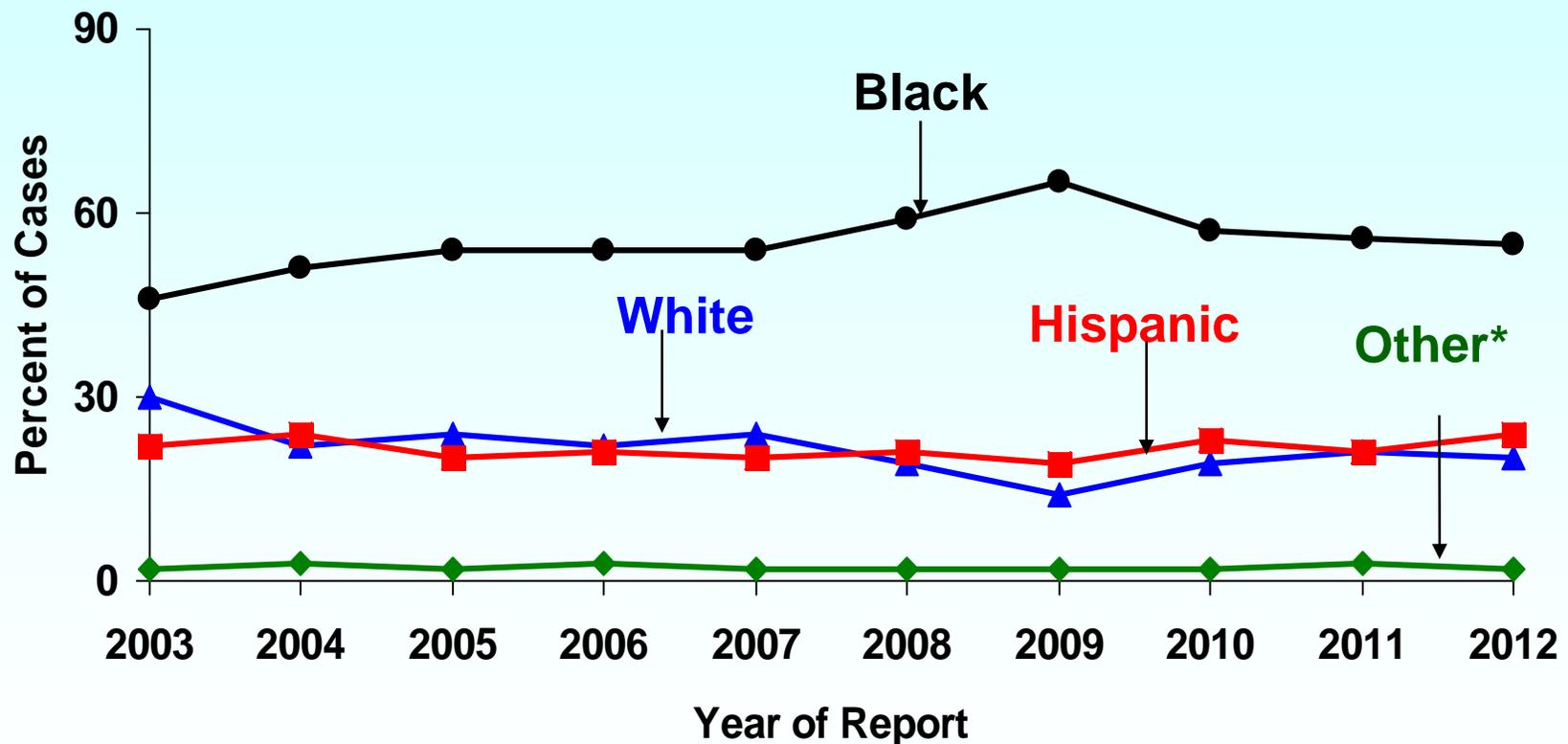
**13-19 years**  
**N=637**



**20-24 years**  
**N=2,073**



# Cases of HIV Infection Among Male Adolescents and Young Adults (Ages 13-24) by Race/Ethnicity and Year of Report, Reported 2003-2012, Florida

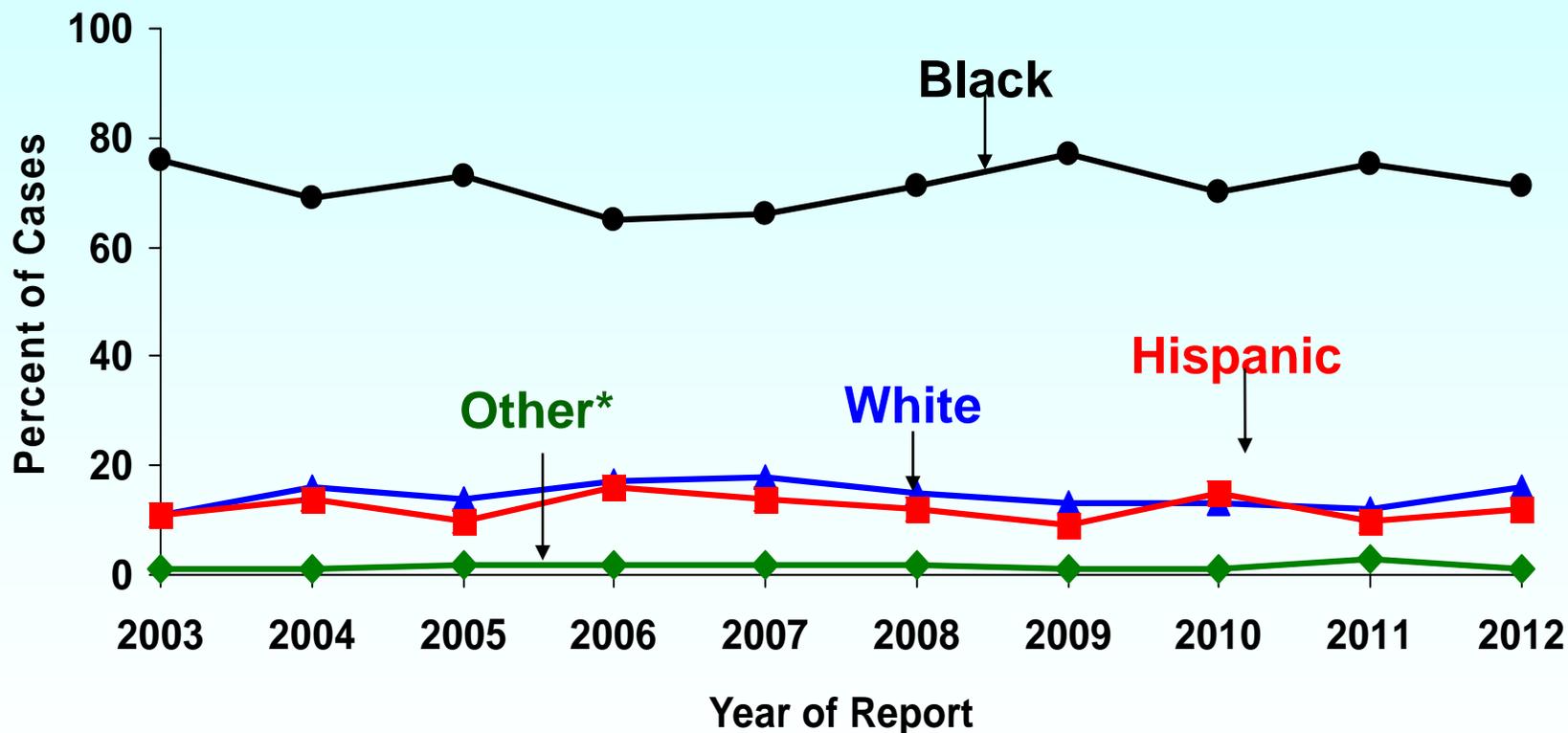


Note: Blacks represent the majority (> 46%) of male adolescent and young adult HIV infection cases each year. The proportion of male adolescent and young adult cases of HIV infection among whites and Hispanics have varied over the years.

\*Other includes Asian/Pacific Islander, Native American/Alaska Native, and Other races.



## Cases of HIV Infection Among Female Adolescents and Young Adults (Ages 13-24) by Race/Ethnicity and Year of Report, Reported 2003-2012, Florida



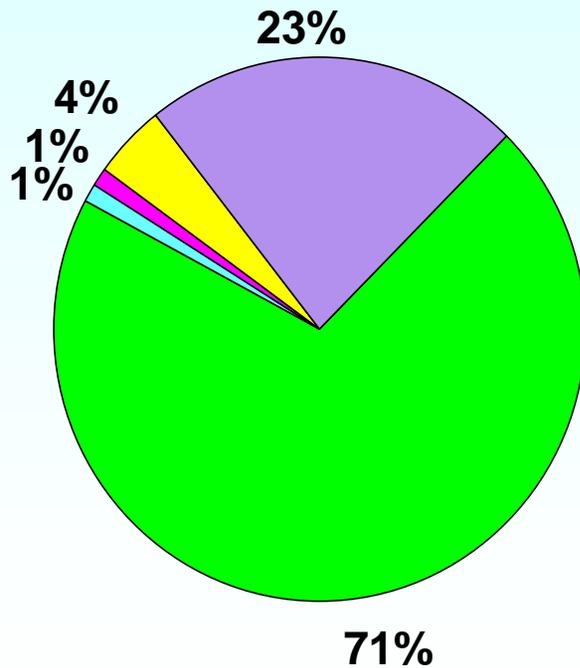
**Note:** HIV case disparities are more evident among females than males. Blacks represent the majority (> 65%) of female adolescent and young adult HIV infection cases each year. The proportion of female adolescent and young adult cases of HIV infection among whites and Hispanics have varied over the years.

\*Other includes Asian/Pacific Islander, Native American/Alaska Native, and Other races.

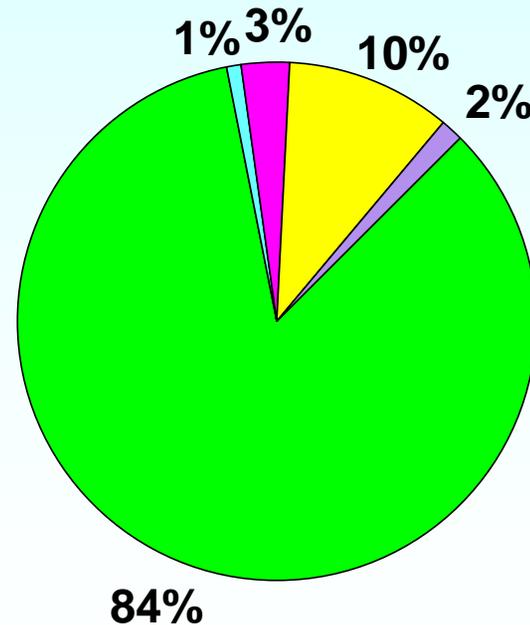


# Cases of AIDS Among Male Adolescents and Young Adults by Age at Diagnosis and Mode of Exposure, Reported 2010-2012, Florida

**13-19 years  
N=91**



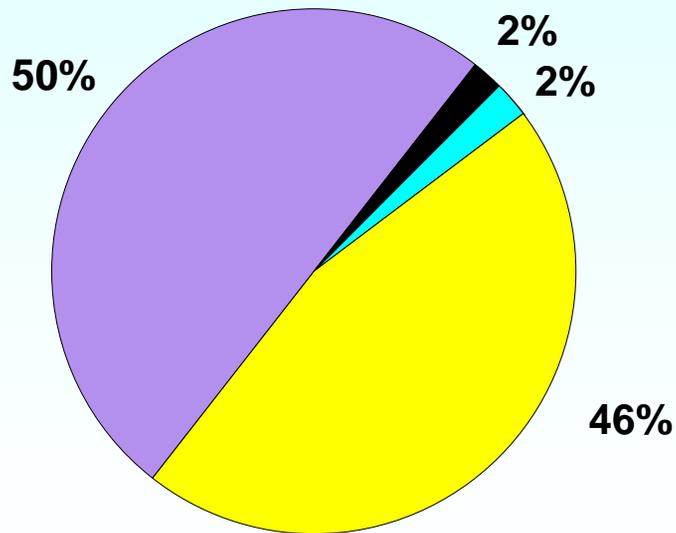
**20-24 years  
N=400**



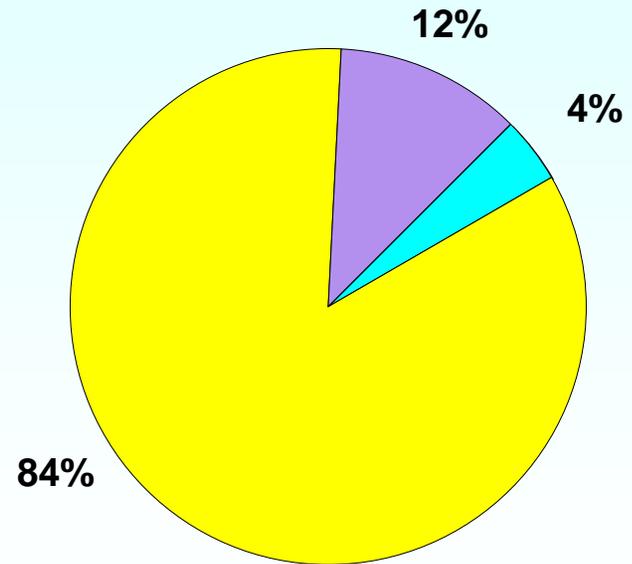
■ MSM  
 ■ IDU  
 ■ MSM/IDU  
 ■ Heterosexual  
 ■ Perinatal  
 ■ Other

# Cases of AIDS Among Female Adolescents and Young Adults by Age at Diagnosis and Mode of Exposure, Reported 2010-2012, Florida

**13-19 years  
N=48**



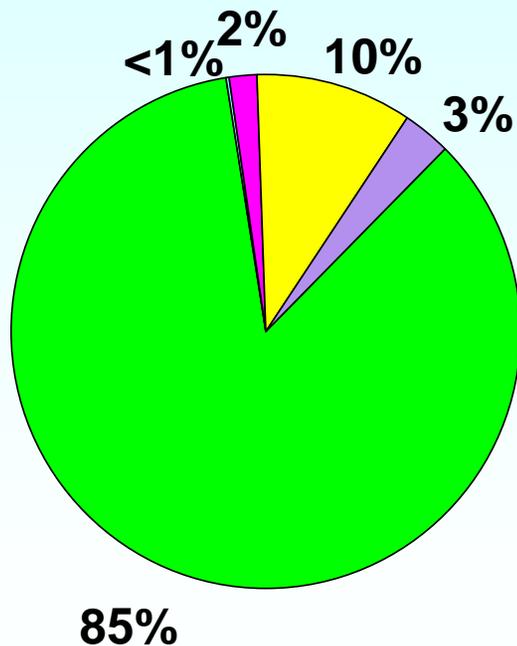
**20-24 years  
N=120**



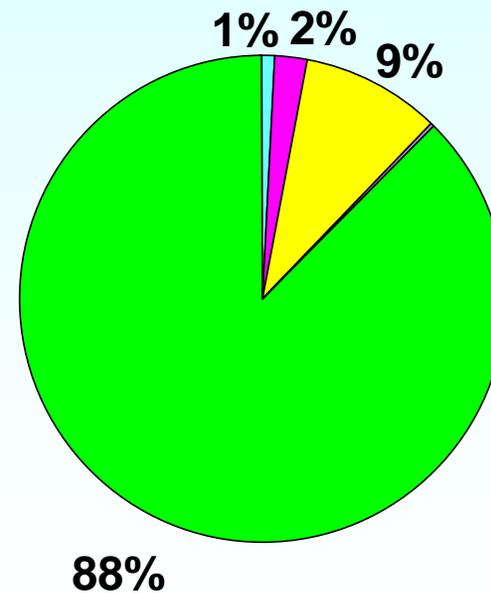
■ IDU ■ Heterosexual ■ Perinatal ■ Other

# Cases of HIV Infection Among Male Adolescents and Young Adults by Age at Diagnosis and Mode of Exposure, Reported 2010-2012, Florida

13-19 years  
N=453



20-24 years  
N=1,691

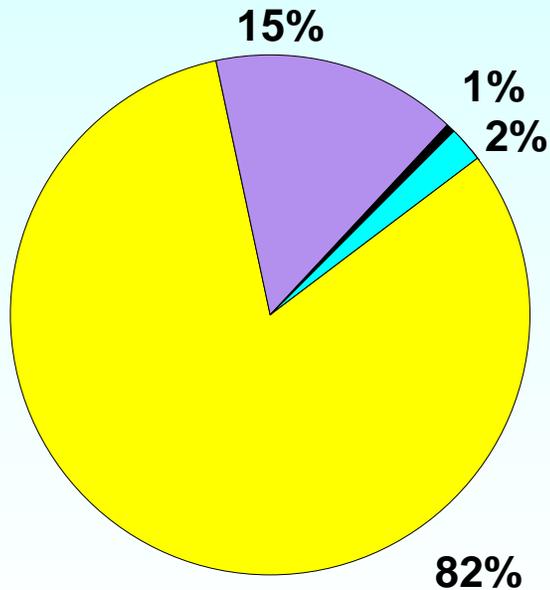


■ MSM   ■ IDU   ■ MSM/IDU   ■ Heterosexual   ■ Perinatal   ■ Other

# Cases of HIV Infection Among Female Adolescents and Young Adults by Age at Diagnosis and Mode of Exposure, Reported 2010-2012, Florida

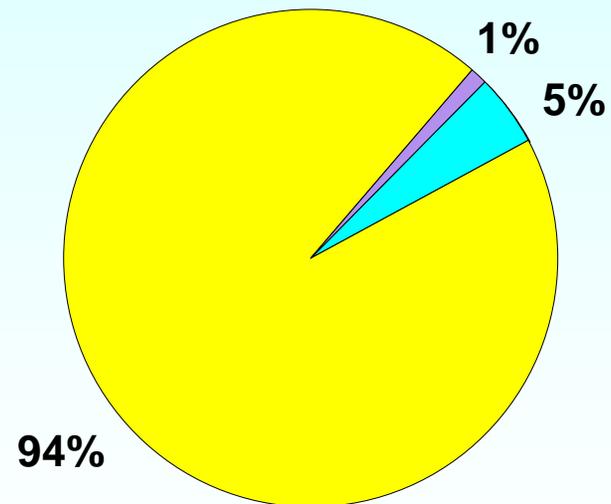
**13-19 years**

**N=184**



**20-24 years**

**N=382**



■ IDU ■ Heterosexual ■ Perinatal ■ Other

# AIDS and HIV Infection Cases Among Adolescents and Young Adults by Race, Mode of Exposure and Age at Diagnosis, Reported in 2010-2012, Florida

	AIDS						HIV					
	Men		Women		Total		Men		Women		Total	
<b>Race/ethnicity</b>	No.	Percent	No.	Percent	No.	Percent	No.	Percent	No.	Percent	No.	Percent
White	59	12%	14	8%	73	11%	421	20%	78	14%	499	18%
Black	316	64%	128	76%	444	67%	1,198	56%	408	72%	1,606	59%
Hispanic	105	21%	18	11%	123	19%	479	22%	71	13%	550	20%
Other	11	2%	8	5%	19	3%	46	2%	9	2%	55	2%
<b>Total</b>	<b>491</b>		<b>168</b>		<b>659</b>		<b>2,144</b>		<b>566</b>		<b>2,710</b>	
<b>Age Group of Dx</b>												
13-19	91	19%	48	29%	139	21%	453	21%	184	33%	637	24%
20-24	400	81%	120	71%	520	79%	1,691	79%	382	67%	2,073	76%
<b>Total</b>	<b>491</b>		<b>168</b>		<b>659</b>		<b>2,144</b>		<b>566</b>		<b>2,710</b>	
<b>Exposure Category</b>												
MSM	400	81%	0	0%	400	61%	1,865	87%	0	0%	1,865	69%
IDU	5	1%	6	4%	11	2%	17	1%	22	4%	39	1%
MSM/IDU	13	3%	0	0%	13	2%	45	2%	0	0%	45	2%
Heterosexual Contact	45	9%	124	74%	169	26%	196	9%	511	90%	707	26%
Perinatal Risk	28	6%	37	22%	65	10%	21	1%	32	6%	53	2%
Other	0	0%	1	1%	1	0%	0	0%	1	0%	1	0%
<b>Total</b>	<b>491</b>		<b>168</b>		<b>659</b>		<b>2,144</b>		<b>566</b>		<b>2,710</b>	

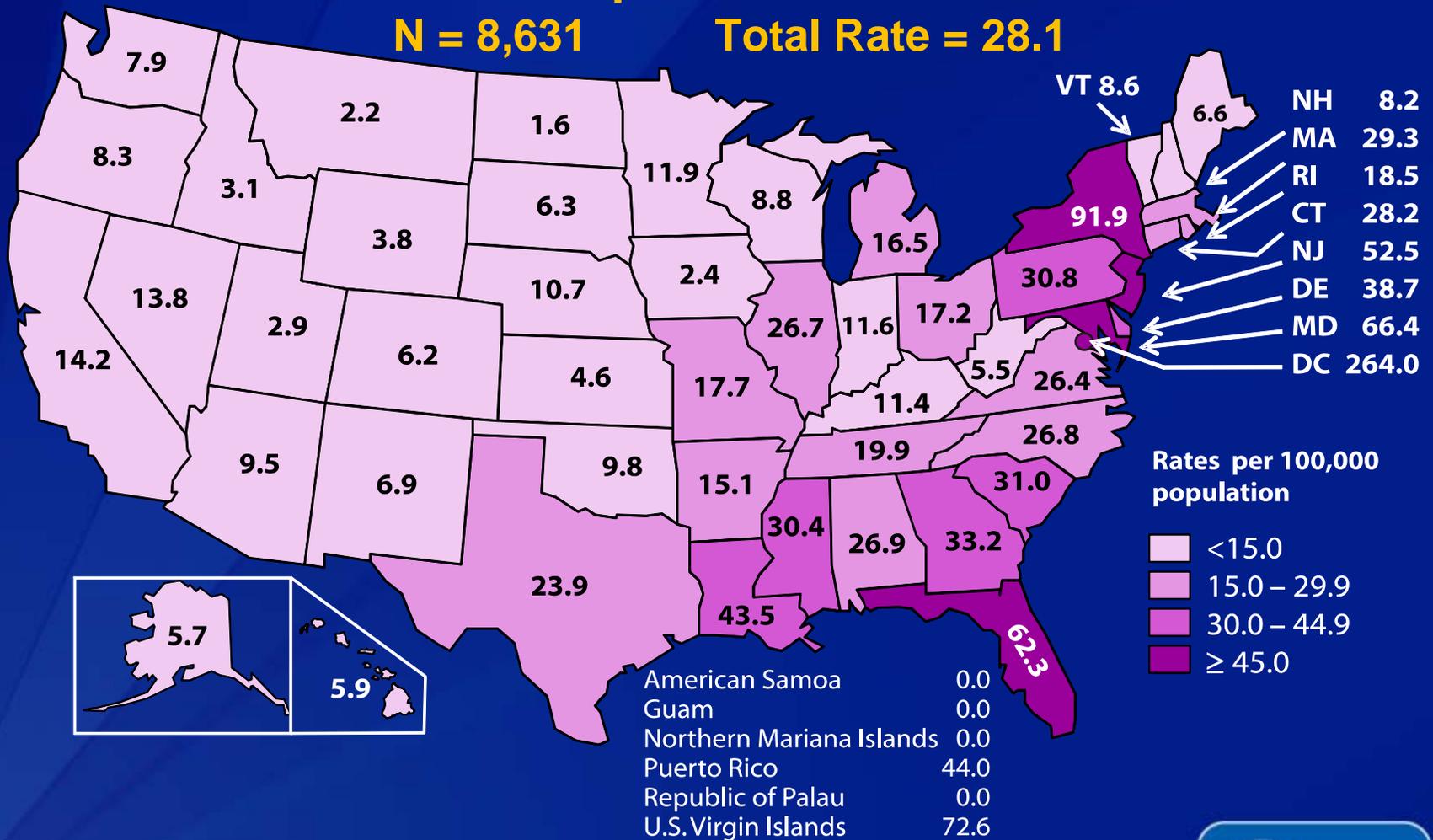
Adjustments have been made to redistribute NIR cases.



# Rates of Adolescents Aged 13–19 Years Living with Diagnosed Infection, Year-end 2010—United States and 6 Dependent Areas

**N = 8,631**

**Total Rate = 28.1**

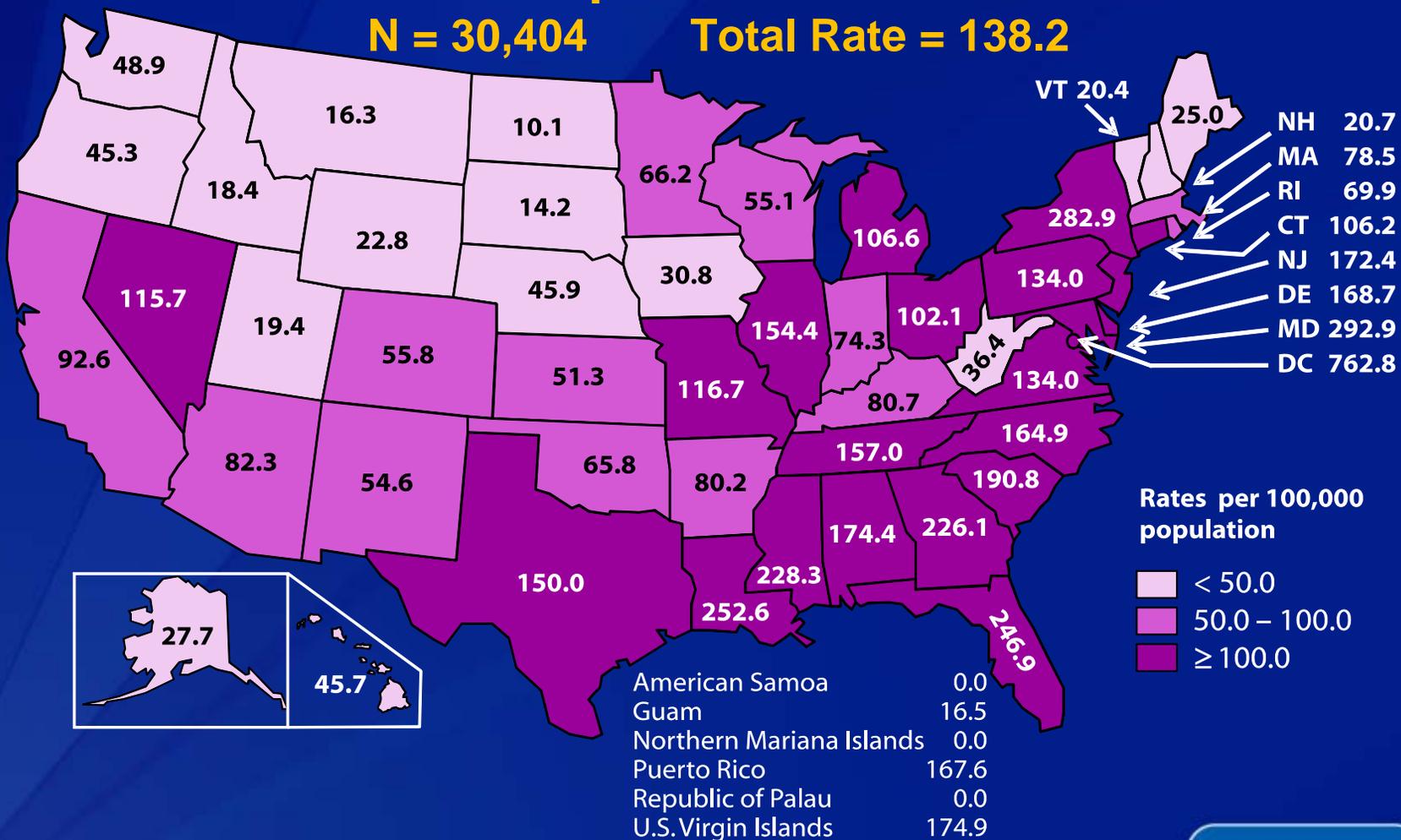


Note. Data include persons with a diagnosis of HIV infection regardless of stage of disease at diagnosis. All displayed data have been statistically adjusted to account for reporting delays, but not for incomplete reporting.



# Rates of Young Adults Aged 20–24 Years Living with Diagnosed HIV Infection, Year-end 2010—United States and 6 Dependent Areas

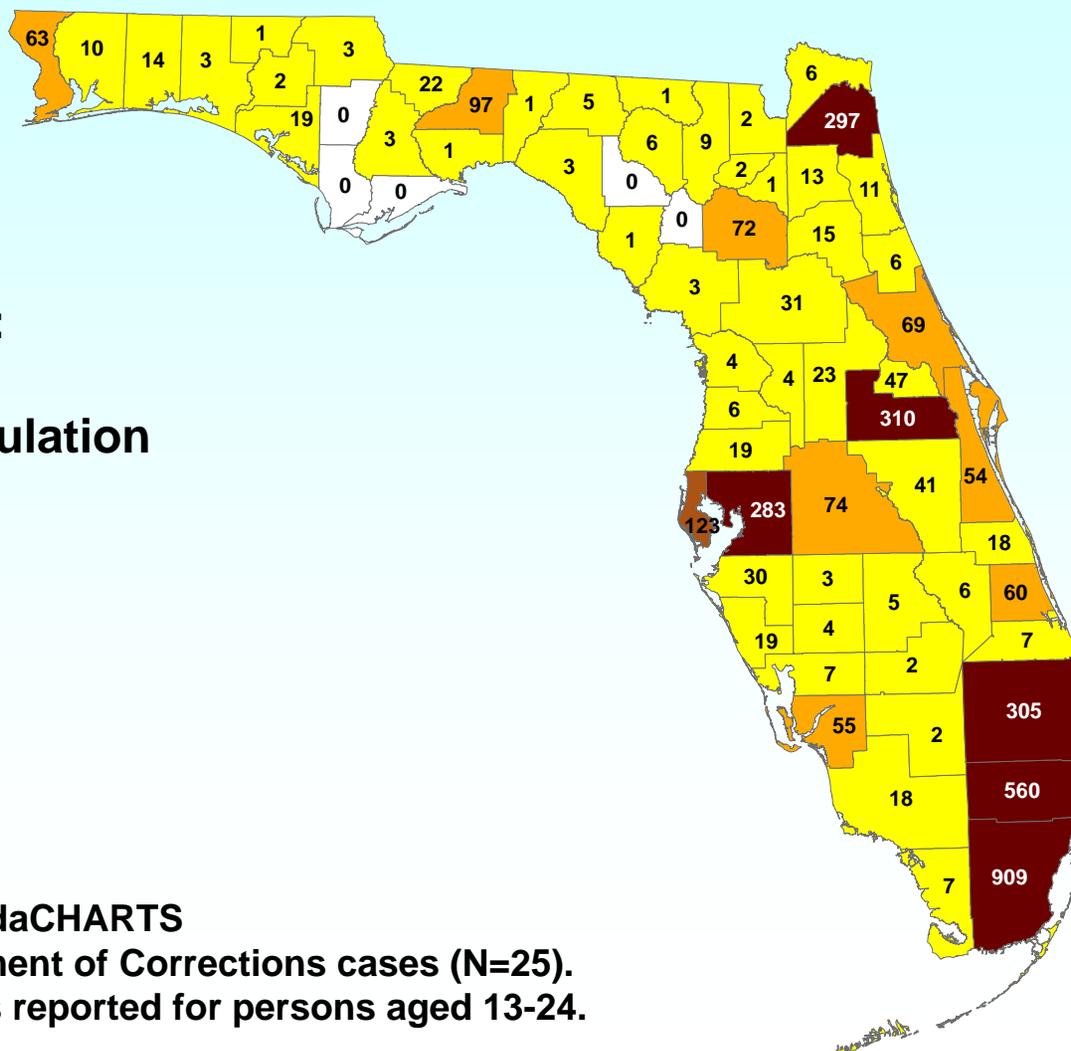
**N = 30,404**      **Total Rate = 138.2**



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.



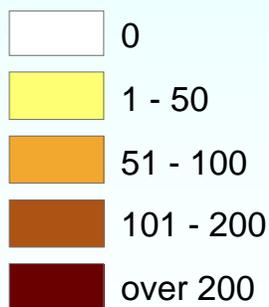
# Rates\* Among Adolescents and Young Adults Living with HIV Disease, by County of Residence\*\*, Reported through 2012, Florida



Statewide Data:

N=3,822

Rate per 100,000, population



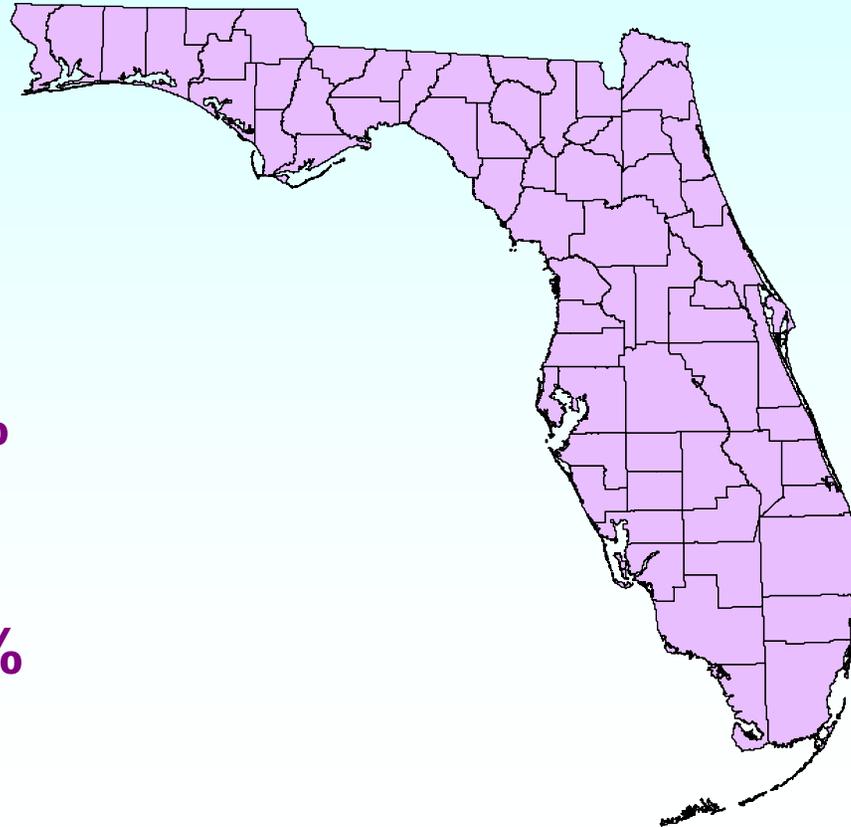
\*Population data are from FloridaCHARTS

\*\*County totals exclude Department of Corrections cases (N=25).  
Numbers on counties are cases reported for persons aged 13-24.

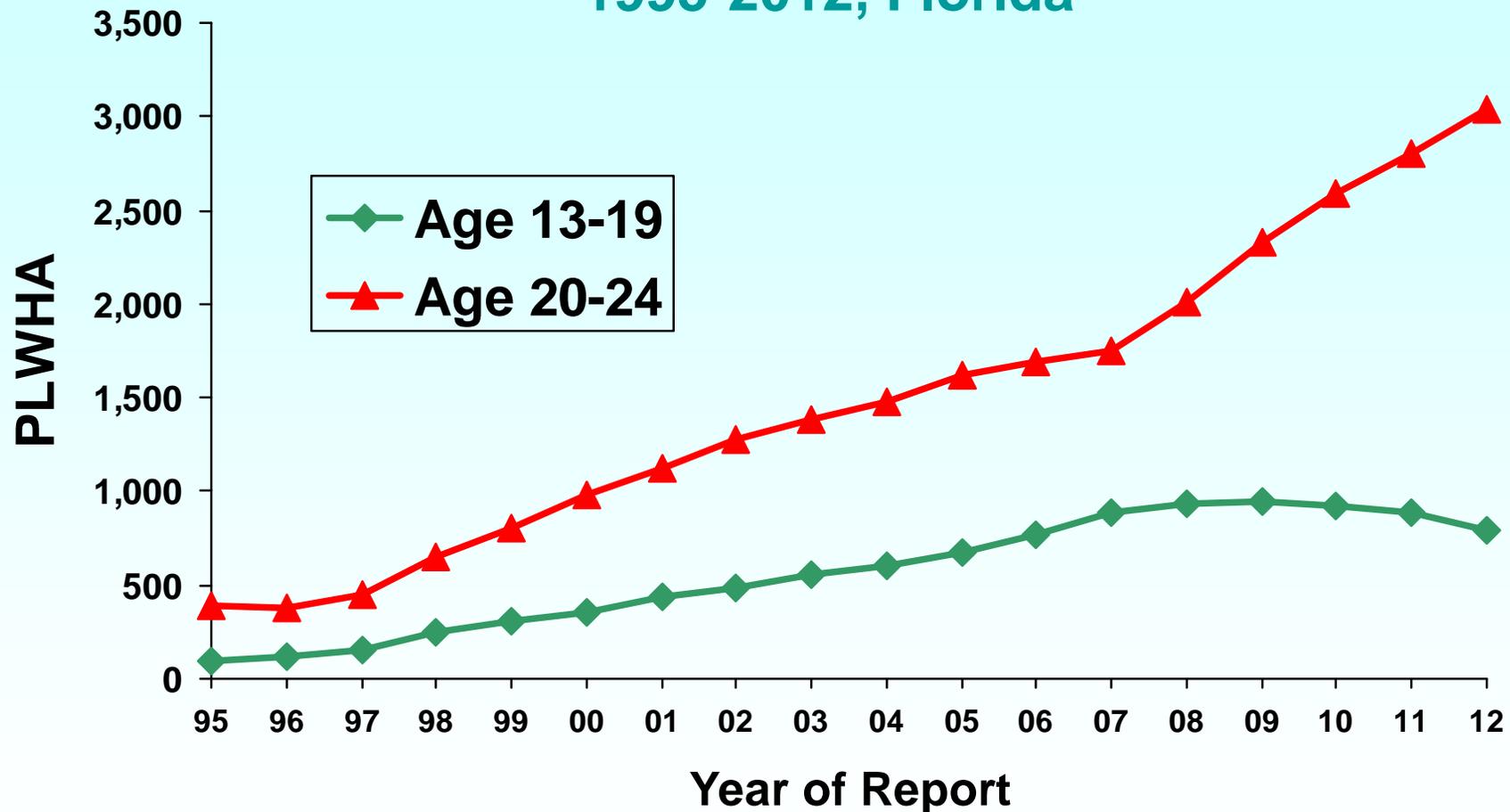
# Adolescents and Young Adults, Living with HIV Disease, Reported through 2012, Florida

**70% resided in the following  
counties at the time of diagnosis:**

- Dade County 24%
- Broward County 15%
- Orange County 8%
- Palm Beach County 8%
- Duval County 8%
- Hillsborough County 7%

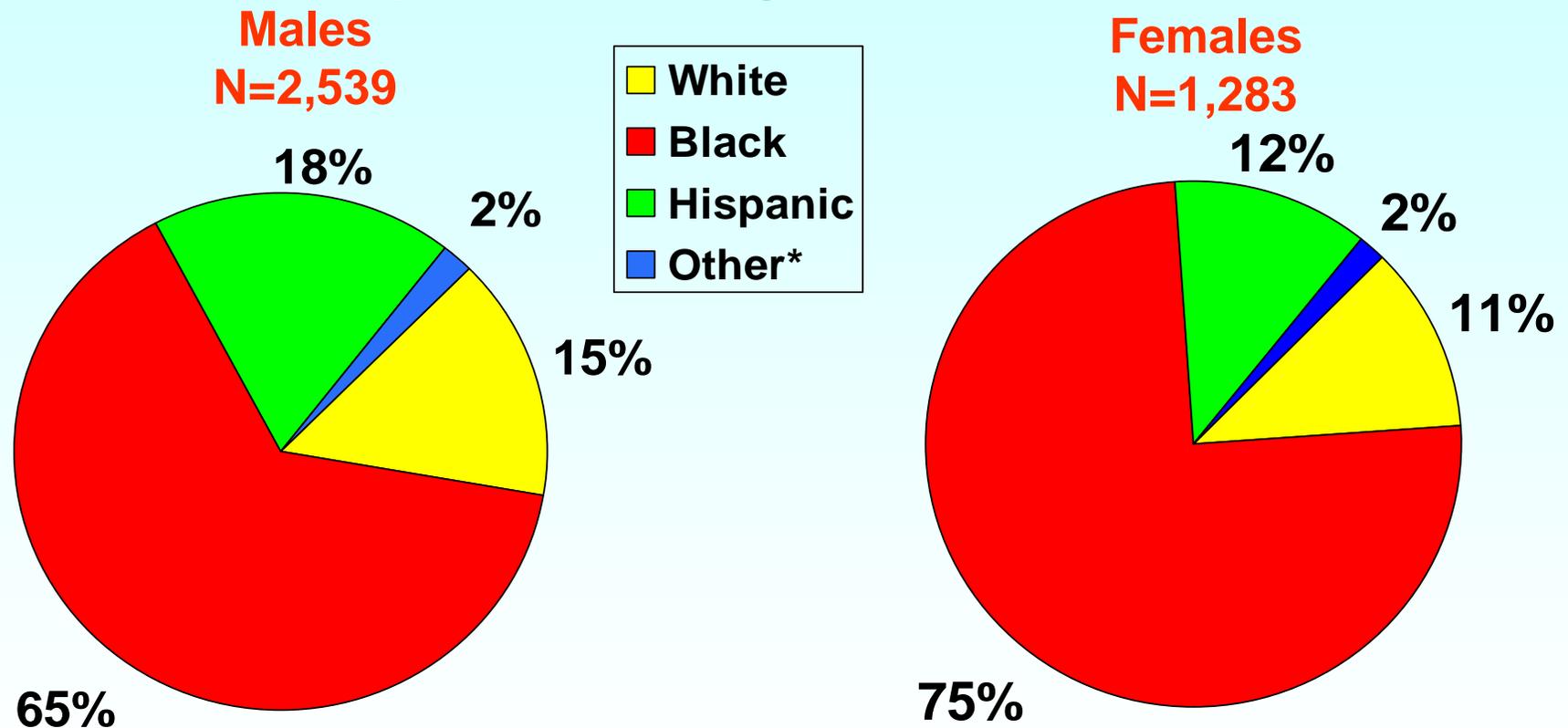


# Annual Prevalence of Adolescents and Young Adults Living with HIV Disease by Current Age Group, 1995-2012, Florida



As a result of declining deaths, annual HIV/AIDS diagnoses have exceeded deaths since 1995, and the number of persons reported with HIV/AIDS that are presumed to be alive has been increasing. Since 2010 decreases in the annual prevalence of cases aged 13-19 have been observed, this could be a possible reflection of recent annual decreases in the birth of perinatal cases.

# Adolescents and Young Adults Living with HIV Disease by Sex and Race/Ethnicity, Reported through 2012, Florida

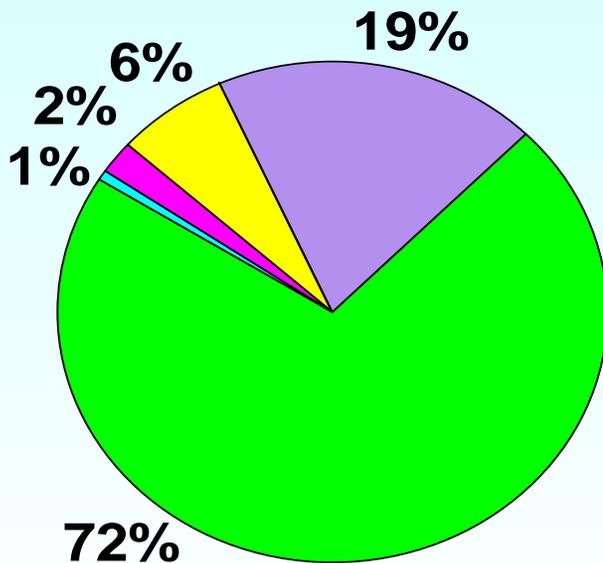


Note: Among those adolescents and young adults living with HIV, blacks represented the majority of cases for both males (65%) and females (75%).

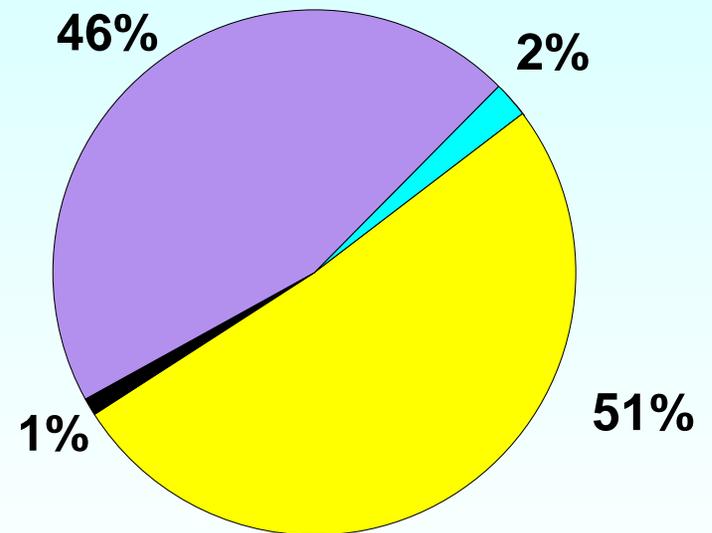
\*Other includes Asian/Pacific Islanders and Native Alaskans/American Indians.

# Adolescents and Young Adults Living with HIV Disease by Sex and Mode of Exposure, Reported through 2012, Florida

**Males**  
**N=2,539**



**Females**  
**N=1,283**



■ MSM ■ IDU ■ MSM/IDU ■ Heterosexual ■ Perinatal ■ Other

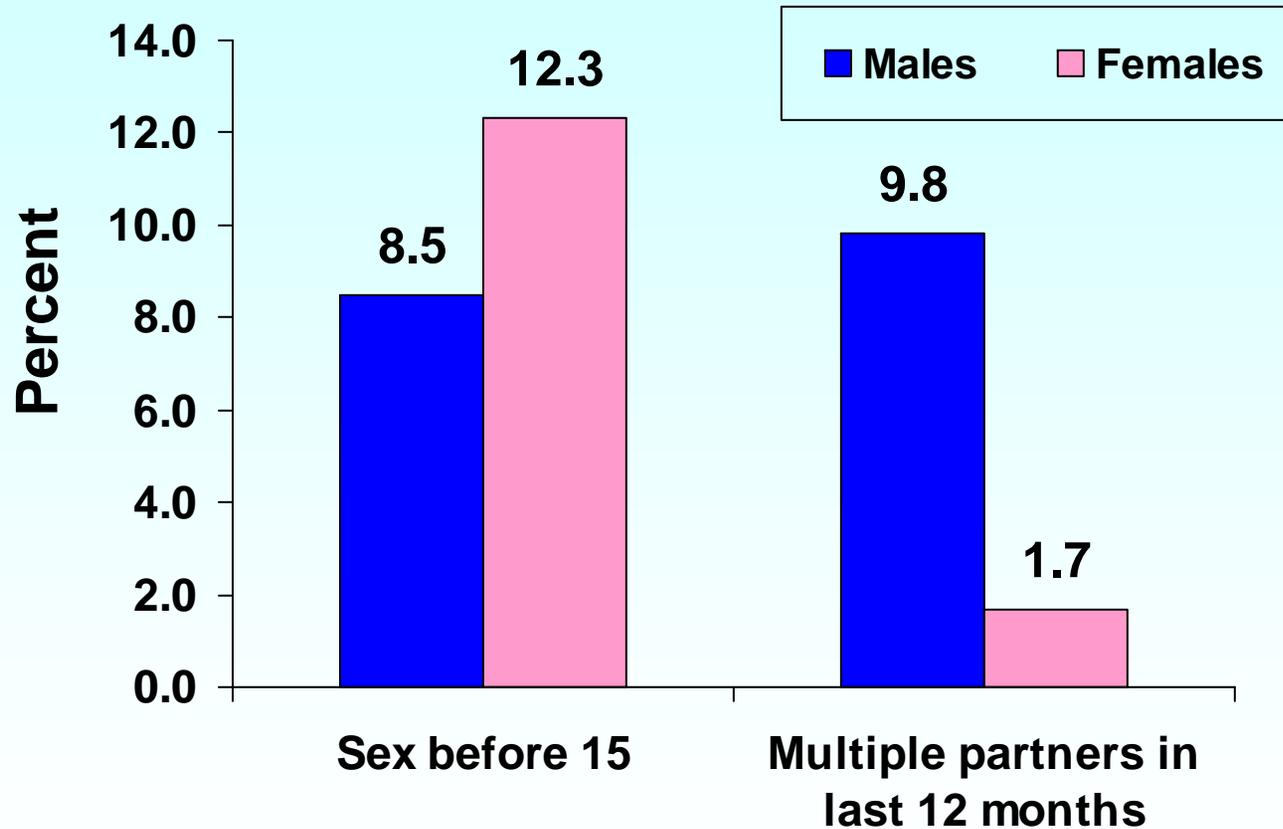
Note: NIRs redistributed. MSM is the primary risk among adolescent and young adult males (72%), followed by perinatal exposure (19%) and heterosexual sex (6%). Heterosexual sex is the primary risk among adolescent and young adult females (51%), followed by perinatal exposure (46%).

# Adolescents and Young Adults Living with HIV Disease by Sex, Race/Ethnicity, Current Age and Mode of Exposure, Reported through 2012, Florida

	HIV/AIDS					
	Men		Women		Total	
<b>Current Age Group</b>						
13-19	402	16%	387	30%	789	21%
20-24	2,137	84%	896	70%	3,033	79%
<b>Total</b>	<b>2,539</b>		<b>1,283</b>		<b>3,822</b>	
<b>Race/Ethnicity</b>	<b>No.</b>	<b>Percent</b>	<b>No.</b>	<b>Percent</b>	<b>No.</b>	<b>Percent</b>
White	389	15%	147	11%	536	14%
Black	1,635	64%	962	75%	2,597	68%
Hispanic	463	18%	154	12%	617	16%
Other	52	2%	20	2%	72	2%
<b>Total</b>	<b>2,539</b>		<b>1,283</b>		<b>3,822</b>	
<b>Exposure Category</b>						
MSM	1,812	71%	0	0%	1,812	47%
IDU	18	1%	29	2%	47	1%
MSM/IDU	56	2%	0	0%	56	1%
Heterosexual Contact	165	6%	657	51%	822	22%
Other Confirmed Risk	3	0%	12	1%	15	0%
Perinatal	485	19%	585	46%	1,070	28%
<b>Total</b>	<b>2,539</b>		<b>1,283</b>		<b>3,822</b>	
NIRs Redistributed						



# Young People and Sexual Risk\*, 2004-2009, Worldwide



\*The percent of people aged 15-25 years who had sex before age 15 year and the percent who had multiple partners in the past 12 months.

Source: DHS and UN Population Statistics, UNAIDS Report on the Global AIDS Epidemic-2010



Nationwide, among current sexually active females aged 15–17, 49% reported condom use during their last sexual intercourse experience, and among sexually active males aged 15–17, 79% reported condom use during their last sexual intercourse experience.

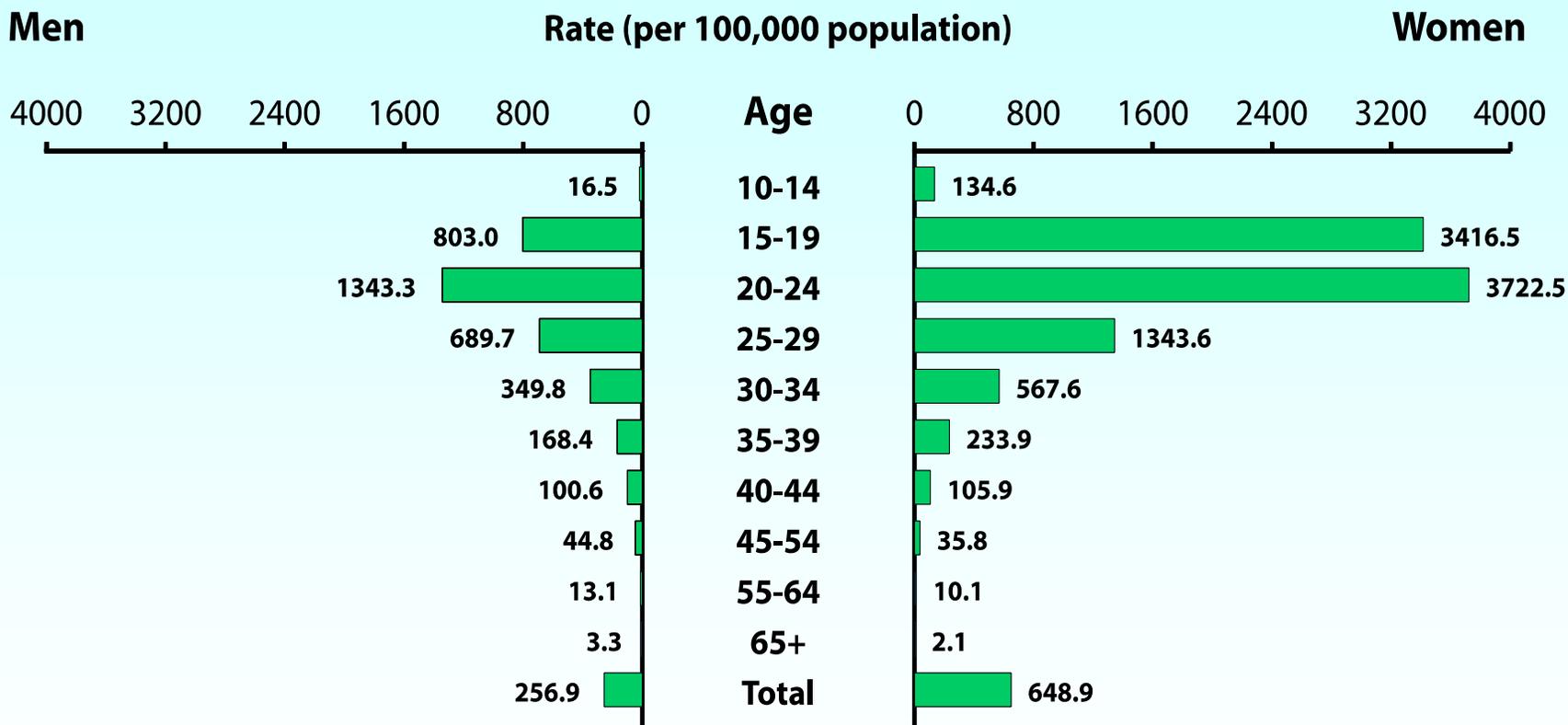
**Each year, one in four teens  
contracts a Sexually Transmitted  
Disease/Sexually Transmitted  
Infection (STD/STI).**

**One in two sexually active  
persons will contract a STD/STI  
by age 25.**

Source: American Sexual Health Association (ASHA). (2013, March). *ASHA Panel on the Estimates of STD Incidence, Prevalence and Cost*. Retrieved April 11, 2013 from <http://www.ashastd.org/std-sti/std-statistics.html>



# Chlamydia—Rates by Age and Sex, United States, 2011

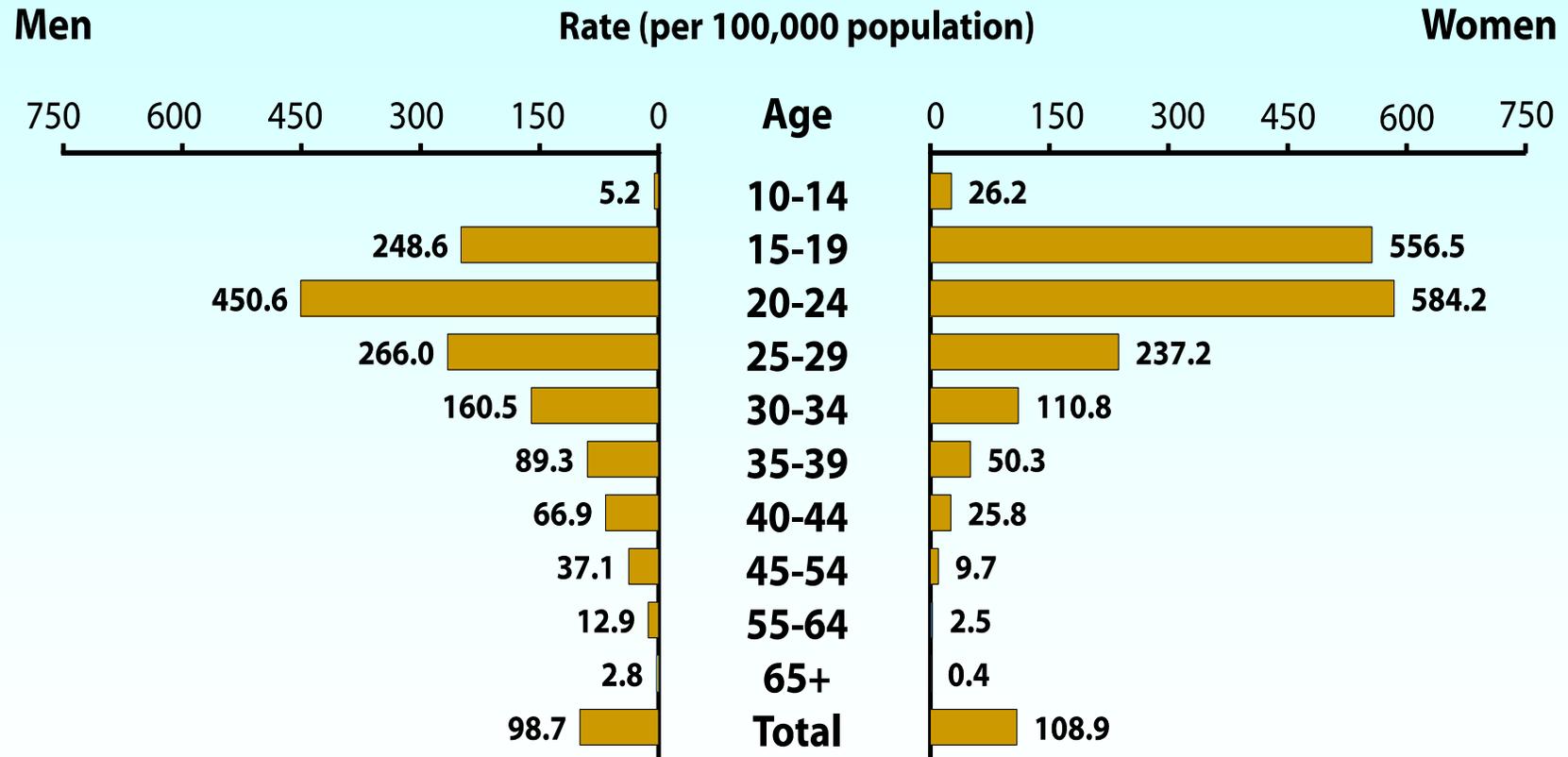


Since 1994, Chlamydia has been the most frequently reported STD. During the last ten years, there was a significant increase in reported cases due to the expansion of Chlamydia screening methods. However, there are still many women who are not being tested due to lack of awareness and resources.

Source: CDC. (2013). *Sexually Transmitted Diseases Surveillance 2011*. National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention. Division of STD Prevention. Retrieved on April 11, 2013 from <http://www.cdc.gov/std/stats11/default.htm>



# Gonorrhea—Rates by Age and Sex, United States, 2011

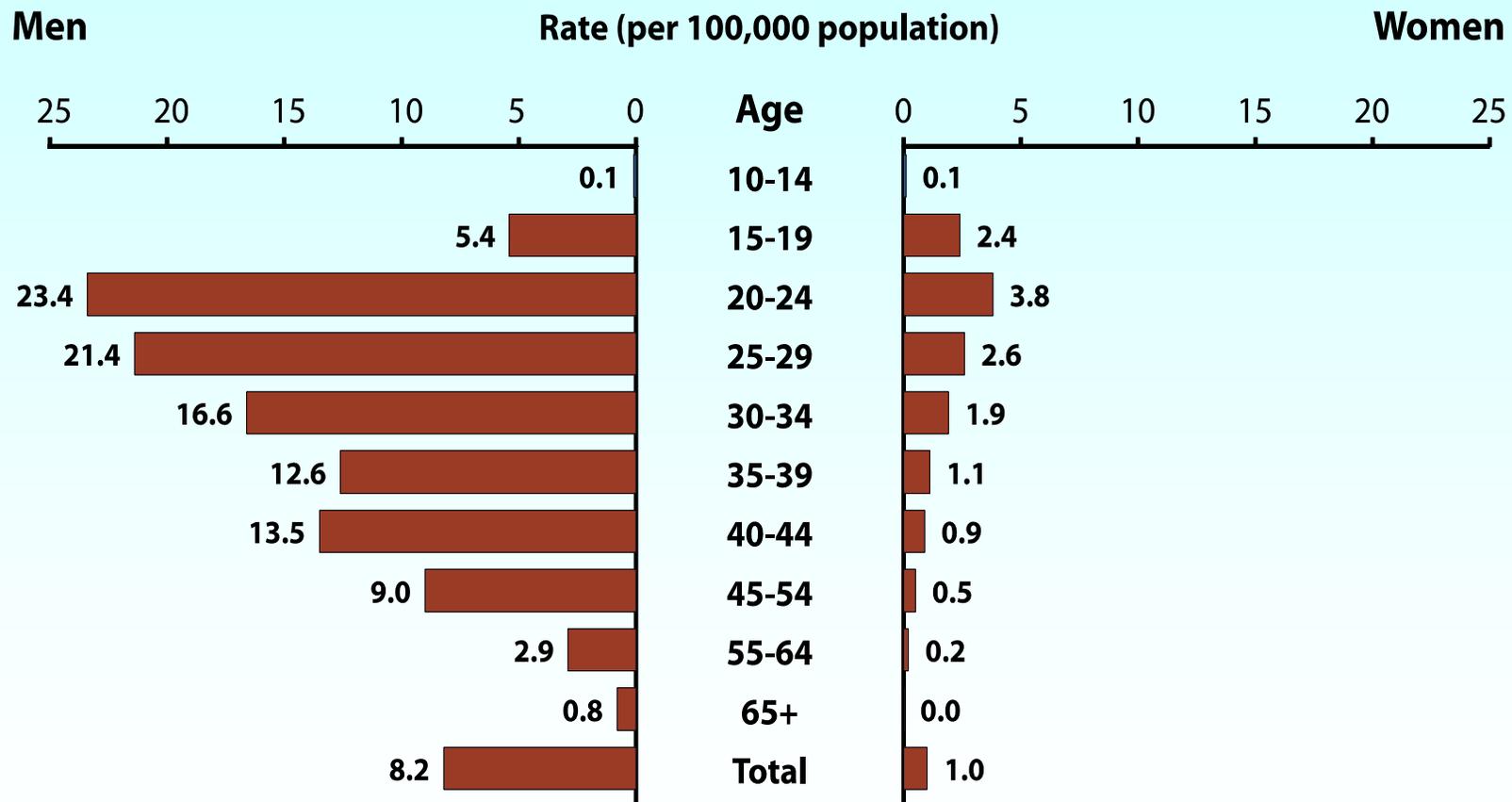


Symptoms in males can take up to 30 days to appear, and some symptoms in women can be mistaken for other bladder or vaginal infections. In addition, if gonorrhea is left untreated it can cause infertility in both sexes.

Source: CDC. (2013). *Sexually Transmitted Diseases Surveillance 2011*. National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention. Division of STD Prevention. Retrieved on April 11, 2013 from <http://www.cdc.gov/std/stats11/default.htm>



# Primary and Secondary Syphilis—Rates, by Age and Sex, United States, 2011

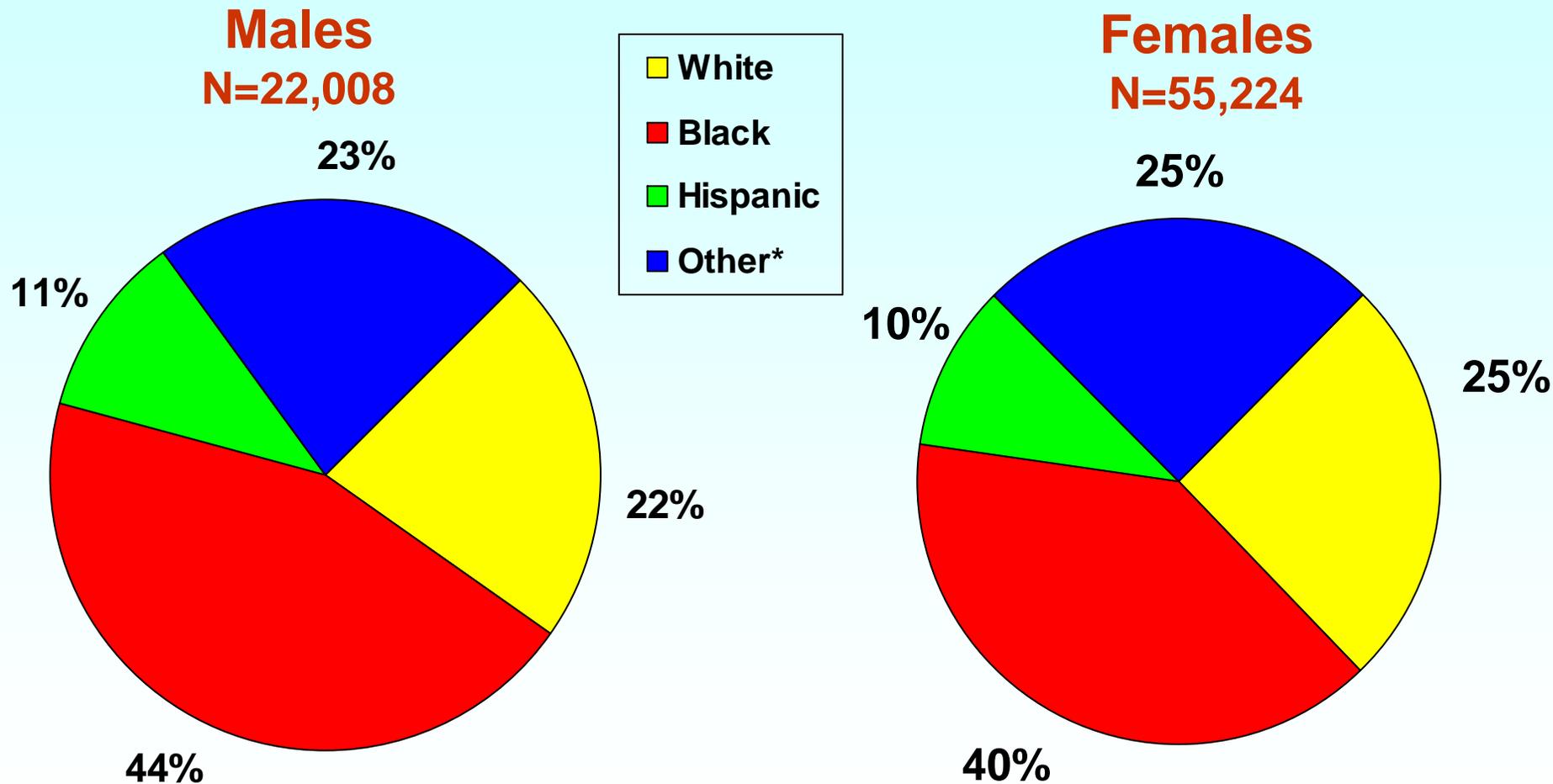


Syphilis, is also known as “the great imitator,” because so many of its signs and symptoms are common in other diseases, making it difficult to tell apart. Many people with syphilis do not have any symptoms for years, although if left untreated this disease can lead to further complications such as severe damage to internal organs or death.

Source: CDC. (2013). *Sexually Transmitted Diseases Surveillance 2011*. National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, Division of STD Prevention. Retrieved on April 11, 2013 from <http://www.cdc.gov/std/stats11/default.htm>



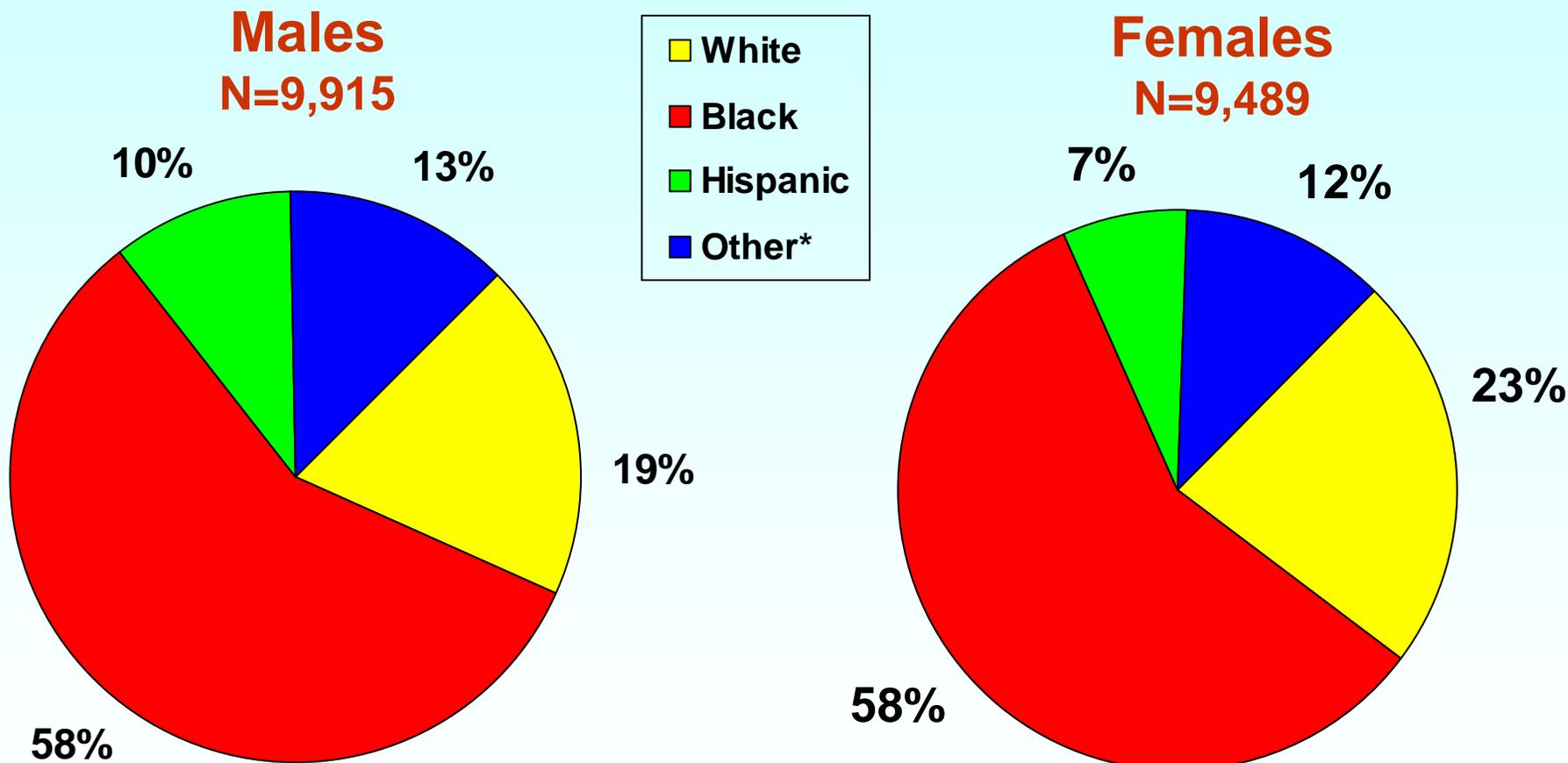
# Chlamydia Cases, by Sex and Race/Ethnicity, Reported in 2012, Florida



**Note:** 29% of these cases are among adolescents, ages 15-19.

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

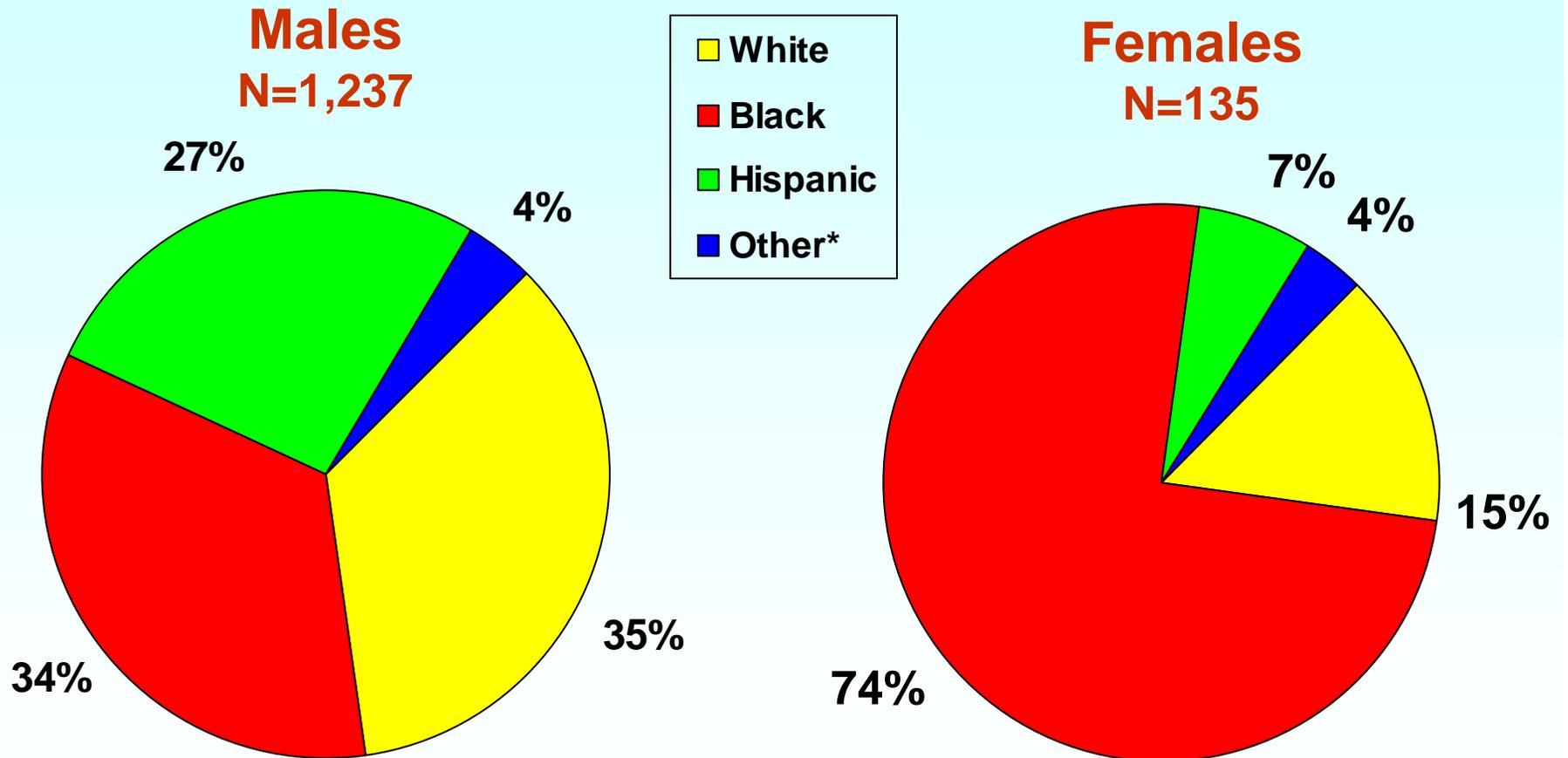
# Gonorrhea Cases, by Sex and Race/Ethnicity, Reported in 2012, Florida



**Note:** 22% of these cases are among adolescents, ages 15-19.

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

# Primary and Secondary Syphilis Cases, by Sex and Race/Ethnicity, Reported in 2012, Florida



Note: 6% of these cases are among adolescents, ages 15-19.

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

For Florida HIV/AIDS Surveillance Data  
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**Ext. 2612**

**Madgene Moise, 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](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>**