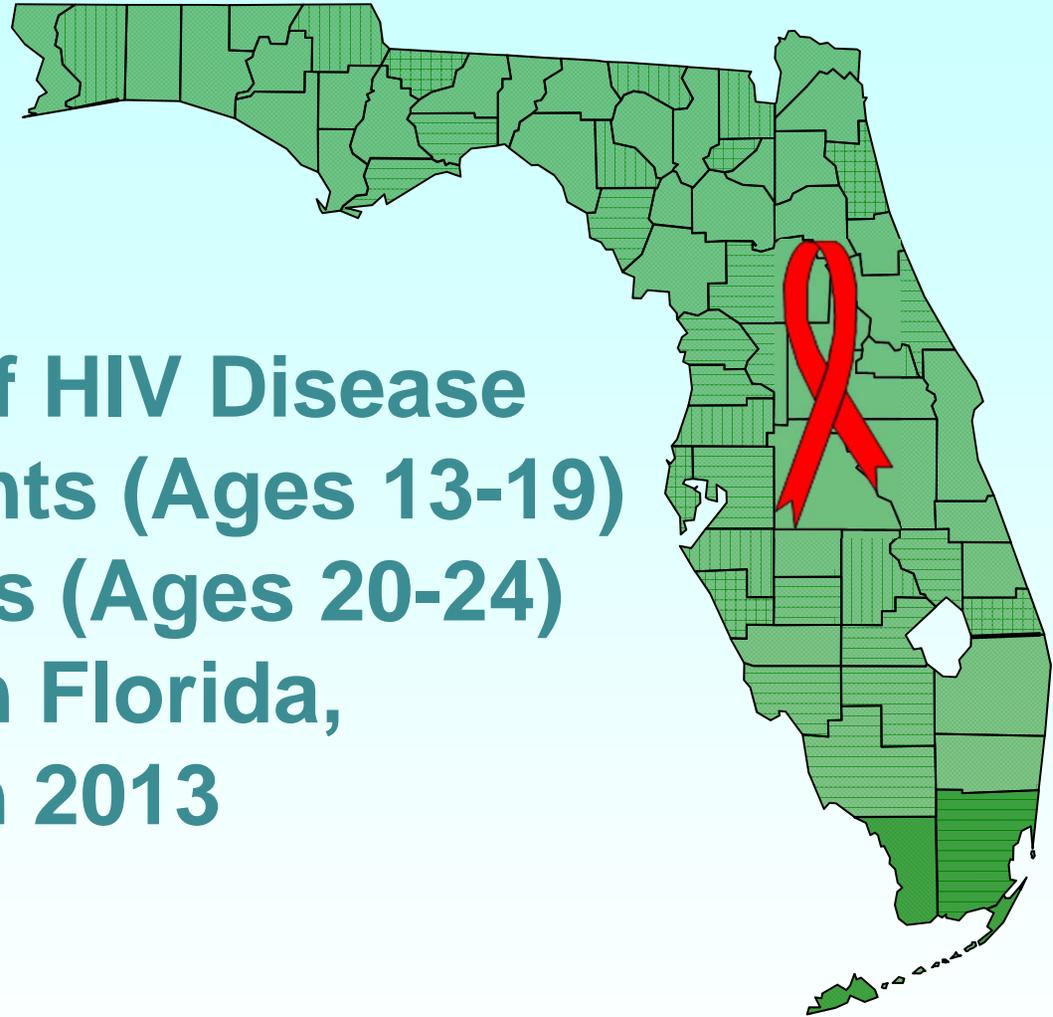


To protect, promote and improve the health of all people in Florida through integrated state, county, and community efforts.

Created: 12/27/13

Revision: 10/02/14



Epidemiology of HIV Disease Among Adolescents (Ages 13-19) and Young Adults (Ages 20-24) Reported in Florida, Through 2013

Florida Department of Health
HIV/AIDS Section
Division of Disease Control and Health Protection
Annual data trends as of 12/31/2013
Living (Prevalence) data as of 06/30/2014



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 July, 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

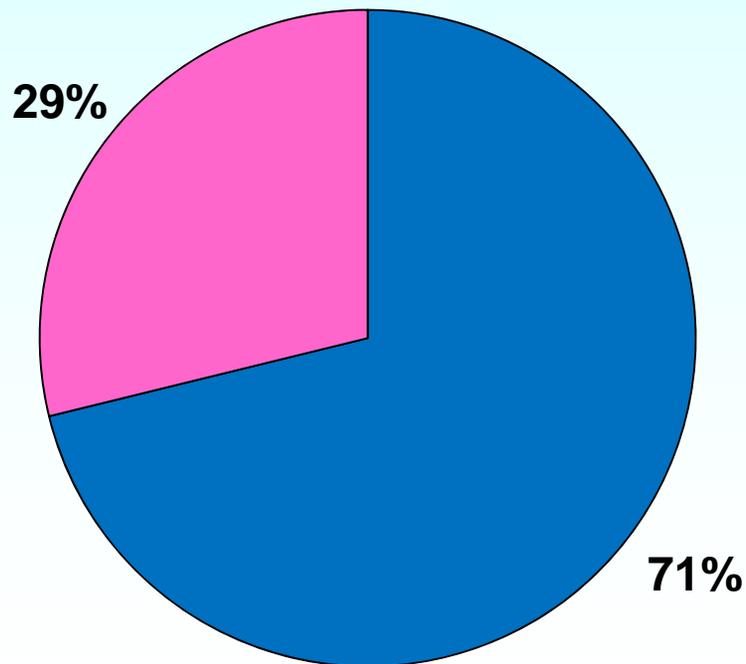


Definitions of Mode of Exposure Categories

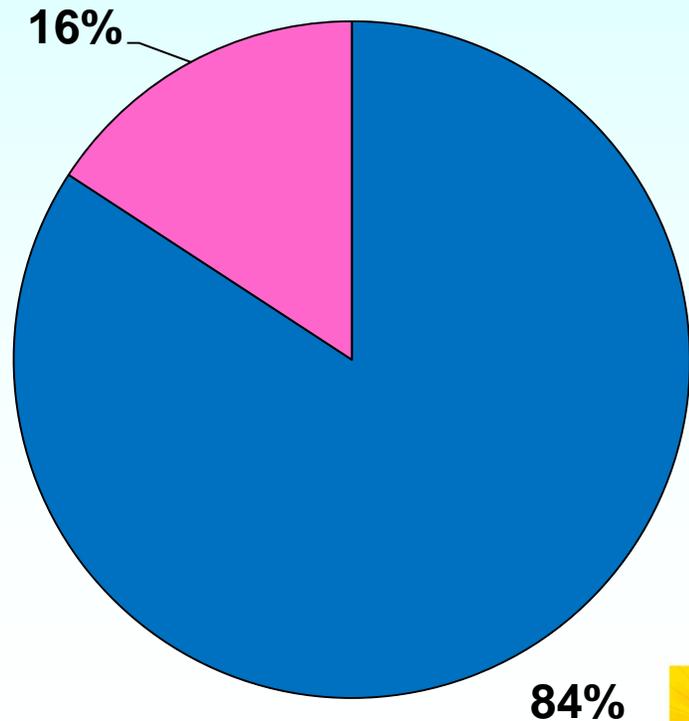
- ✘ **MSM** = Men who have sex with men
- ✘ **IDU** = Injection Drug User
- ✘ **MSM/IDU** = Men who have sex with men & Injection Drug User
- ✘ **Heterosexual** = Heterosexual contact with person with HIV/AIDS or known HIV risk
- ✘ **OTHER** = includes hemophilia, transfusion, perinatal and other pediatric 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 HIV Infection Among Adolescents and Young Adults by Age at Diagnosis and Sex, Reported 2011-2013, Florida

13-19 years
N=628

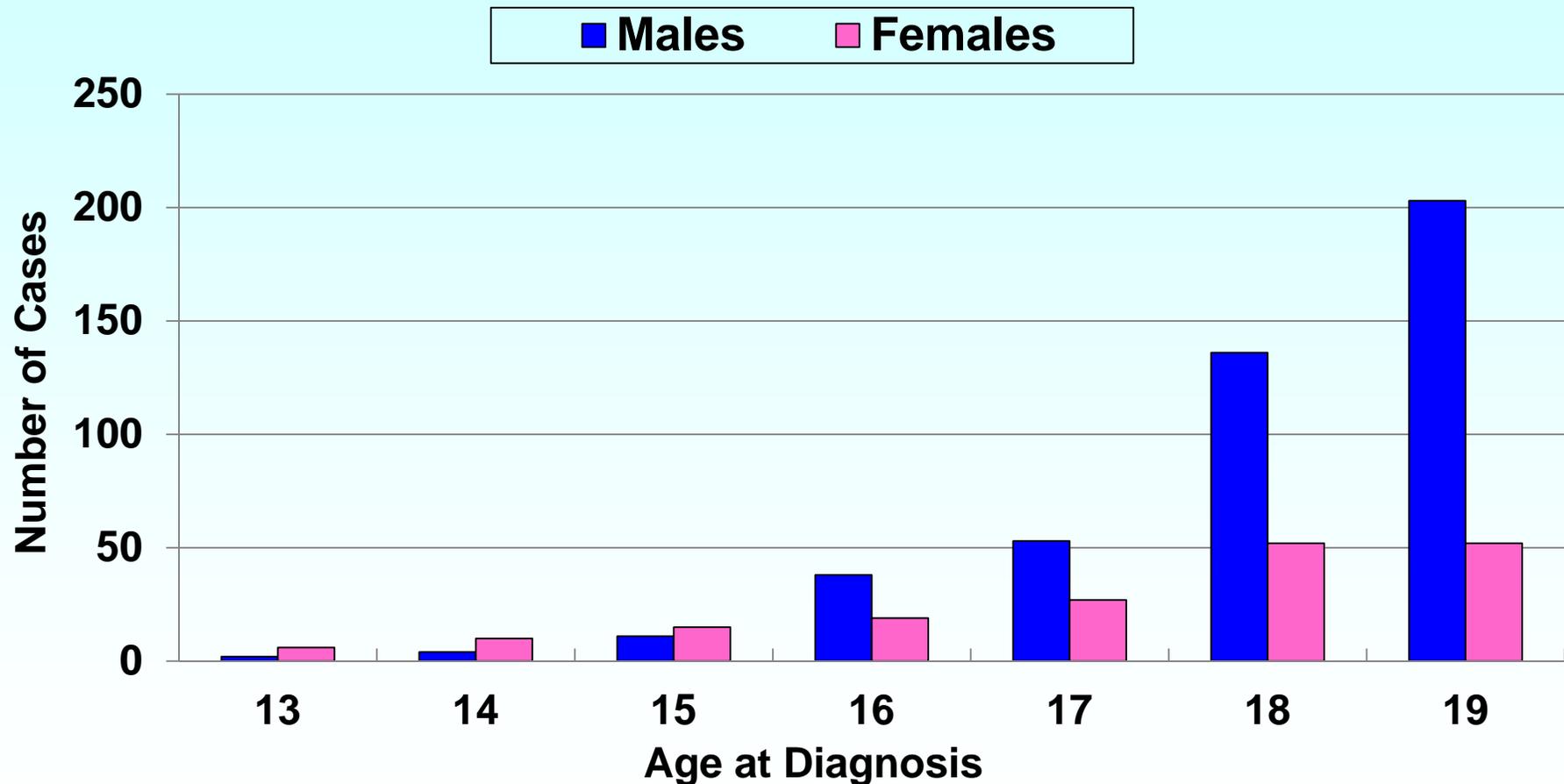


20-24 years
N=2,196



■ Males
■ Females

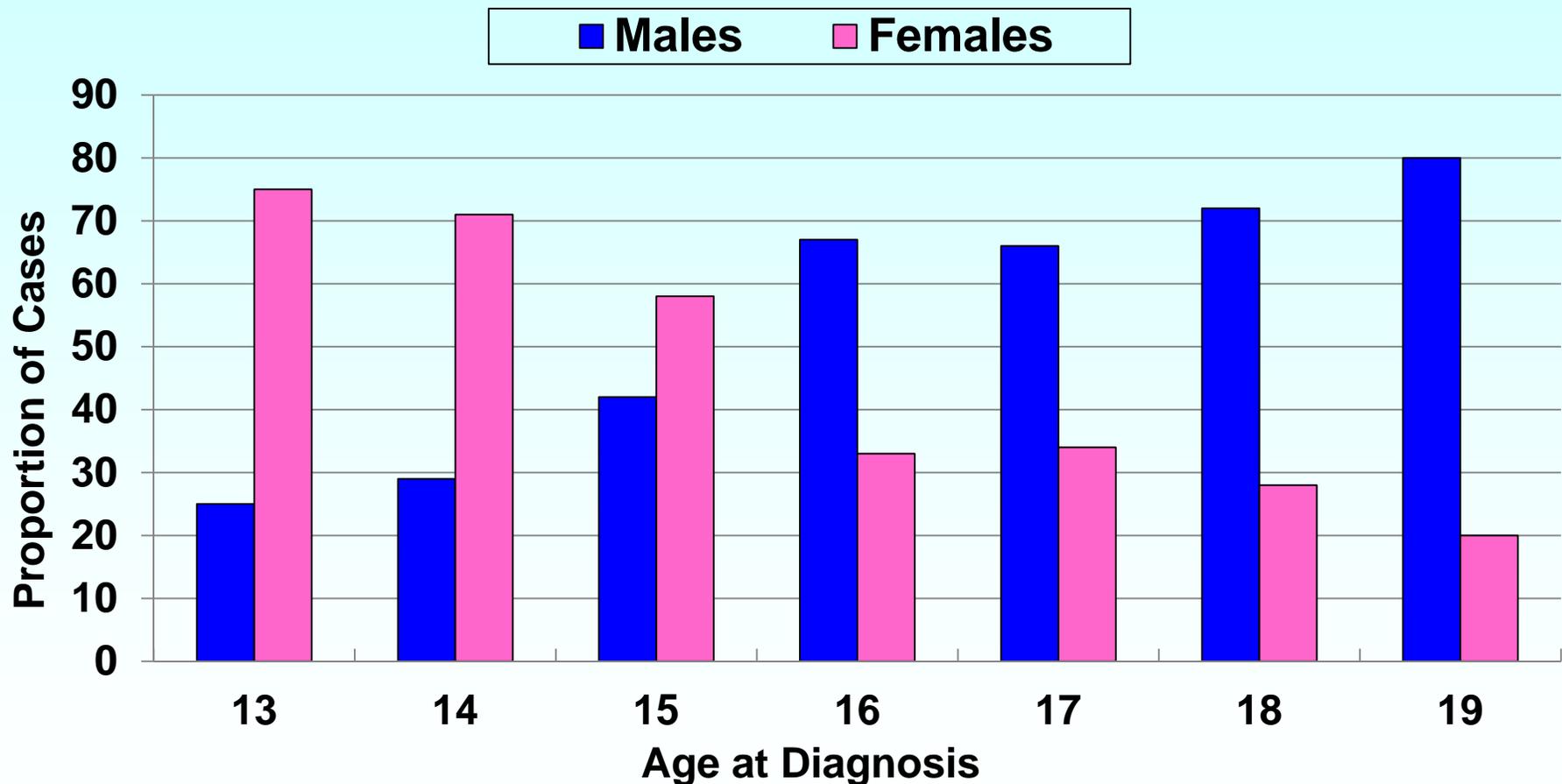
Cases of HIV Infection Among Adolescents by Age at Diagnosis and Sex, Reported 2011 – 2013, Florida



Note: From 2011 to 2013, more HIV infection cases were observed among females at an early age range in adolescence (ages 13 to 15) compared to males. Conversely, more HIV infection cases were observed among males later in adolescence (ages 16 to 19) compared to females.

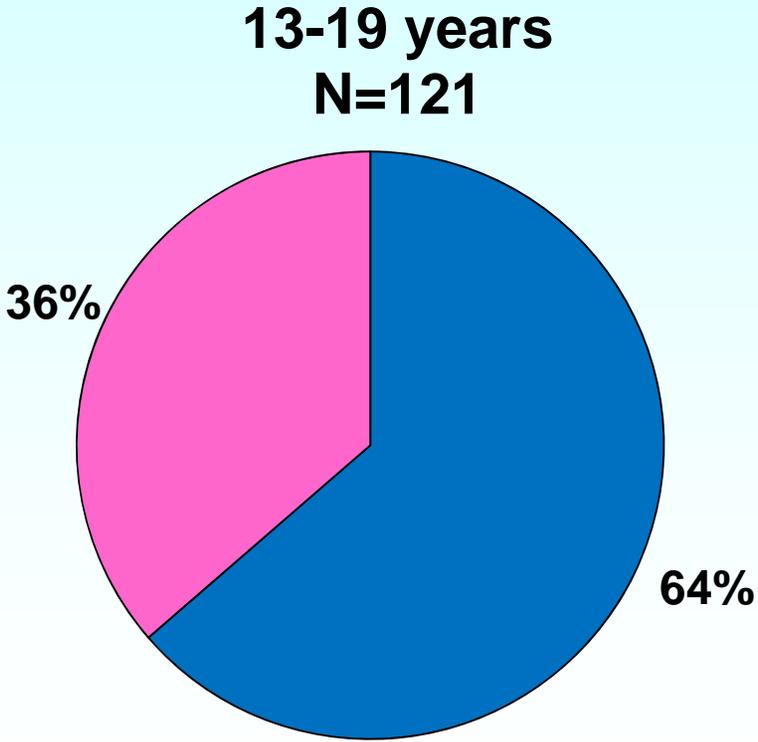


Proportion of HIV Infection Cases Among Adolescents by Age at Diagnosis and Sex, Reported 2011 – 2013, Florida

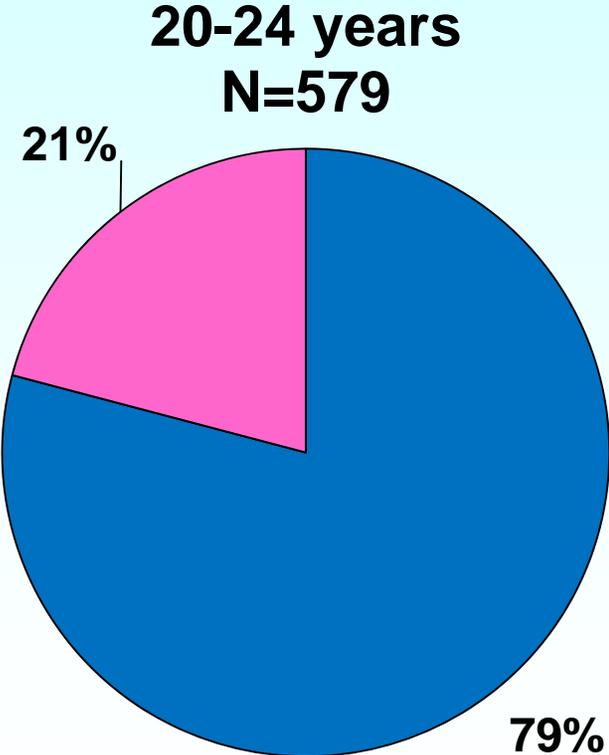


Note: From 2011 to 2013, HIV infection cases are observed at a higher proportion among females at an early age range in adolescence (ages 13 to 15) compared to males. On the other hand, HIV cases were observed at a higher proportion among males later in adolescence (ages 16 to 19) compared to females.

Cases of AIDS Among Adolescents and Young Adults by Age at Diagnosis and Sex, Reported 2011-2013, Florida

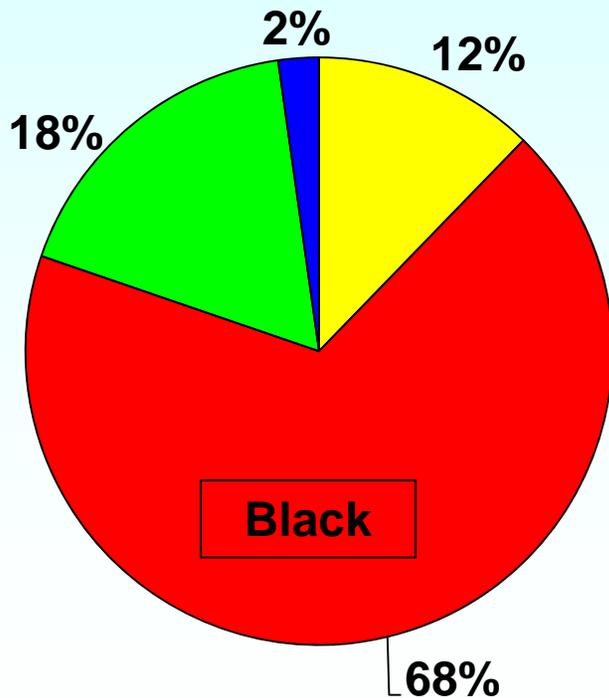


■ Males
■ Females

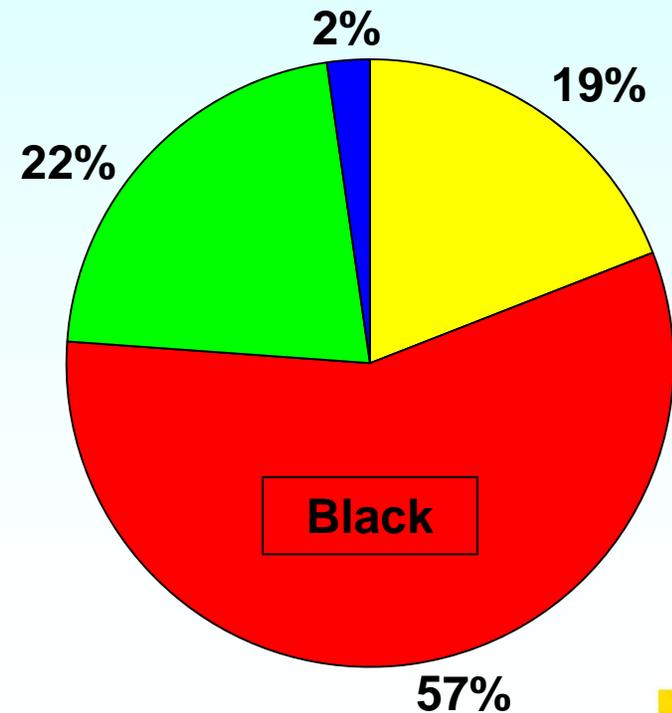


Cases of HIV Infection Among Adolescents and Young Adults by Age at Diagnosis and Race/Ethnicity, Reported 2011-2013, Florida

13-19 years
N=628



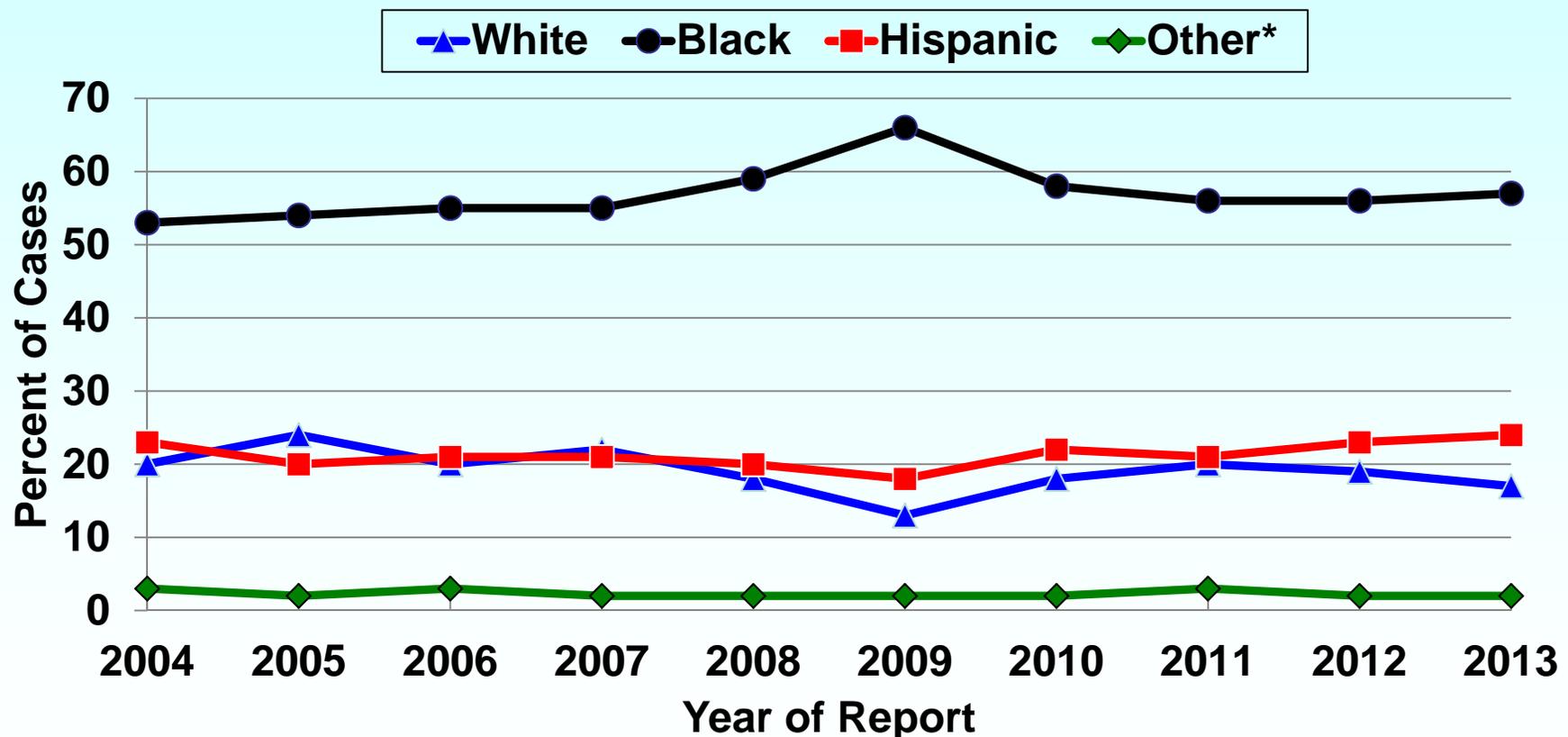
20-24 years
N=2,196



- White
- Black
- Hispanic
- Other*

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

Cases of HIV Infection Among Male Adolescents and Young Adults (Ages 13-24) by Race/Ethnicity and Year of Report, Reported 2004-2013, Florida

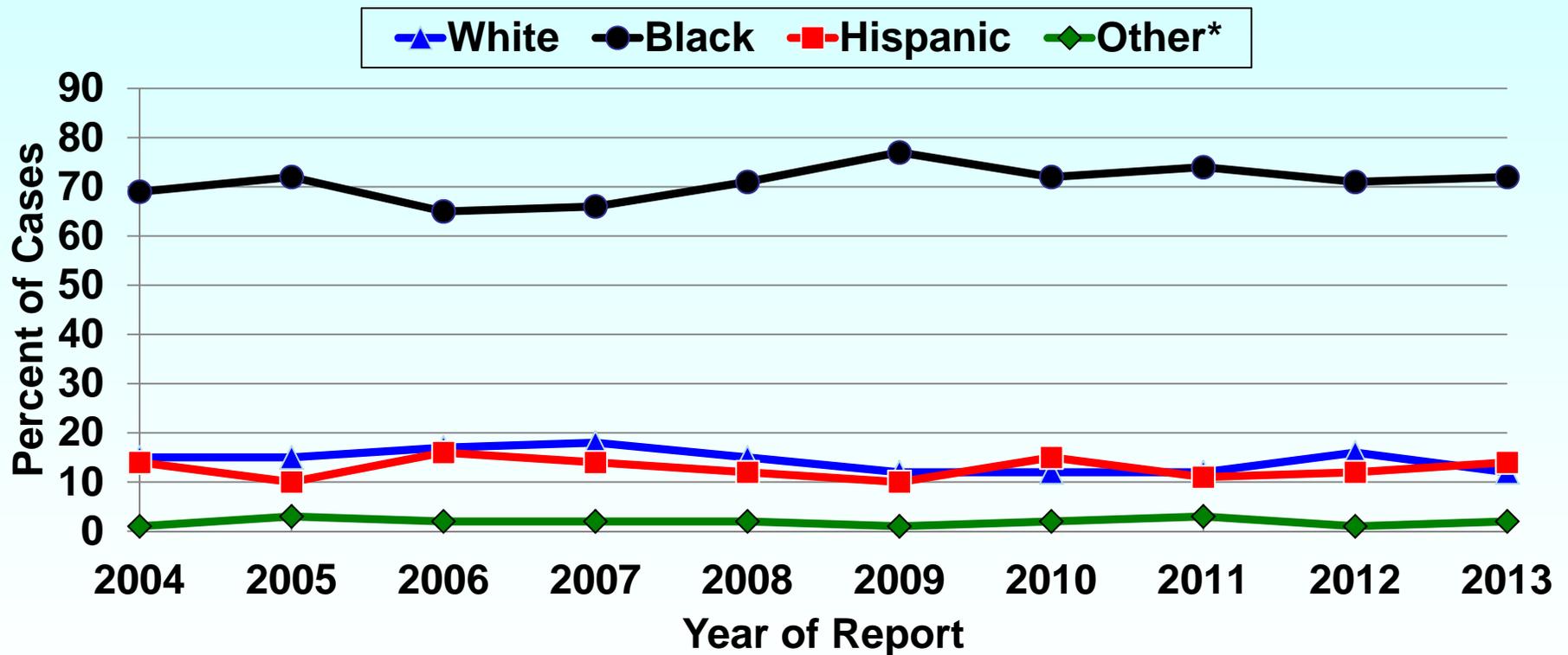


Note: Blacks represent the majority (> 53%) of male adolescent and young adult HIV infection cases each year. The proportion of male adolescent and young adult cases of HIV infection among whites and Hispanics have varied over the years.

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



Cases of HIV Infection Among Female Adolescents and Young Adults (Ages 13-24) by Race/Ethnicity and Year of Report, Reported 2004-2013, Florida



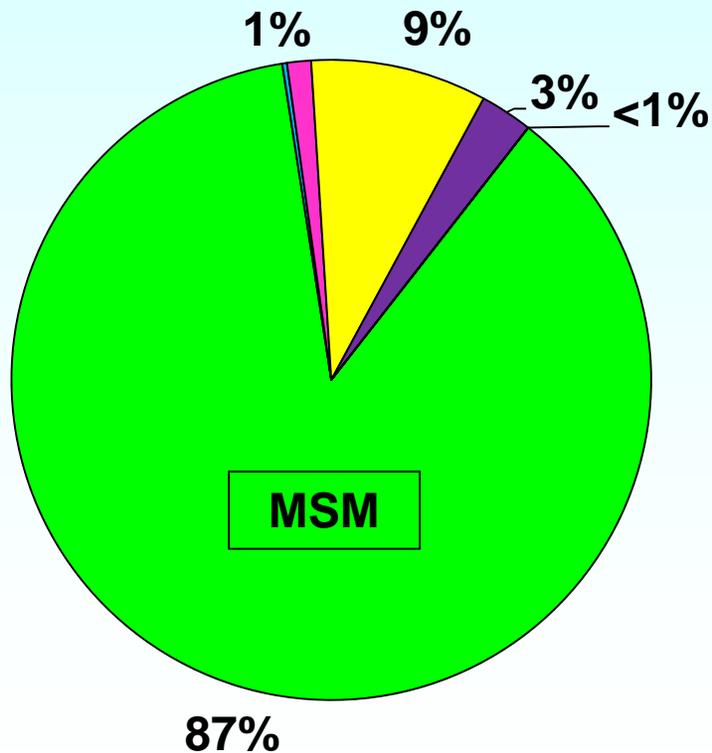
Note: HIV case disparities are more evident among females than males. Blacks represent the majority (> 65%) of female adolescent and young adult HIV infection cases each year. The proportion of female adolescent and young adult cases of HIV infection among whites and Hispanics have varied over the years.

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

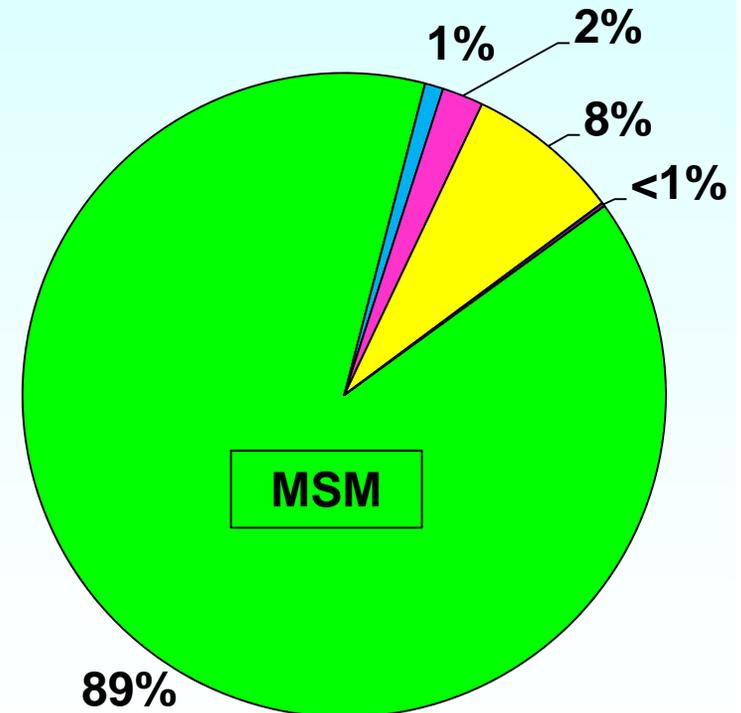


Cases of HIV Infection Among Male Adolescents and Young Adults by Age at Diagnosis and Mode of Exposure, Reported 2011-2013, Florida

13-19 years
N=415



20-24 years
N=1,735

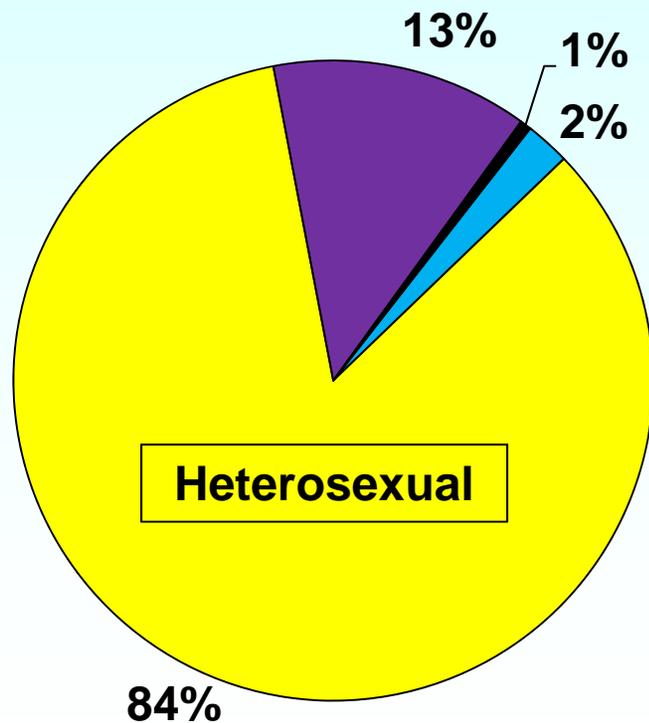


- MSM
- IDU
- MSM/IDU
- Heterosexual
- Perinatal
- Other*

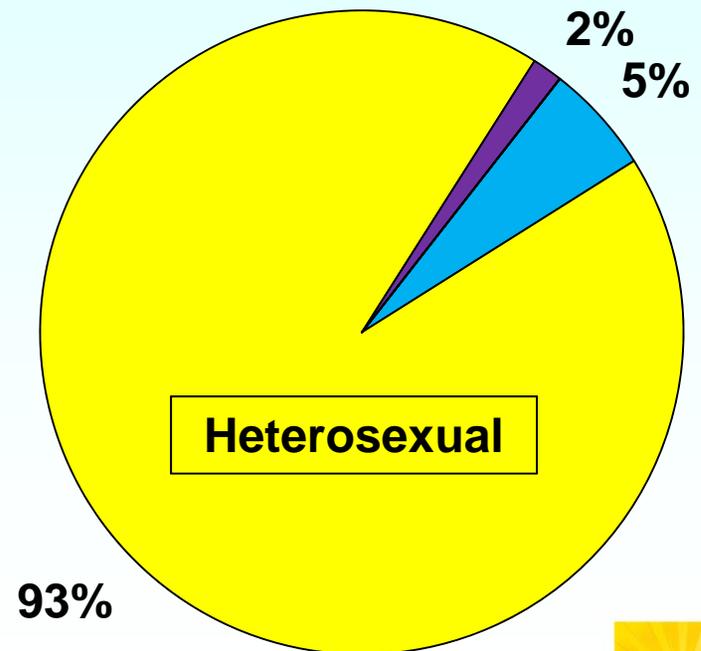
* Other includes hemophilia, transfusion, pediatric risks, and other confirmed risks.

Cases of HIV Infection Among Female Adolescents and Young Adults by Age at Diagnosis and Mode of Exposure, Reported 2011-2013, Florida

13-19 years
N=177



20-24 years
N=327

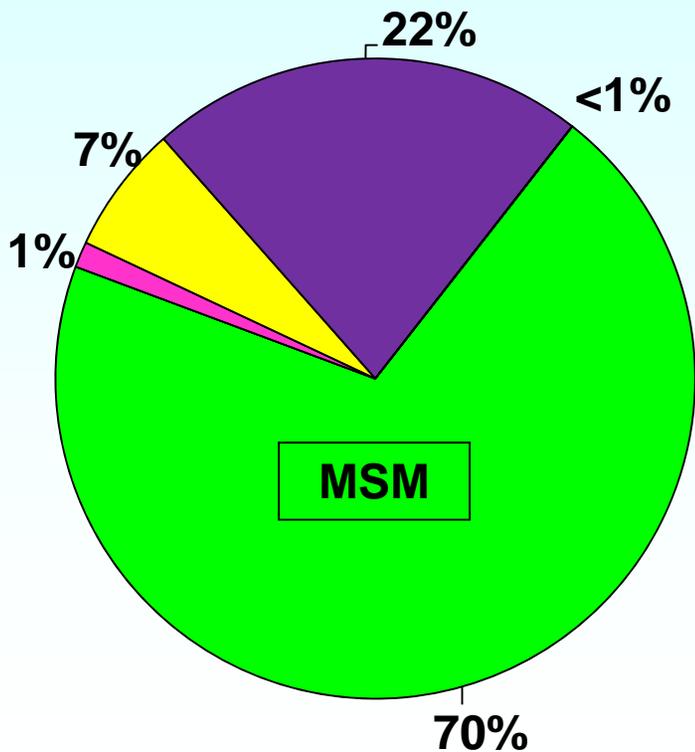


- IDU
- Heterosexual
- Perinatal
- Other*

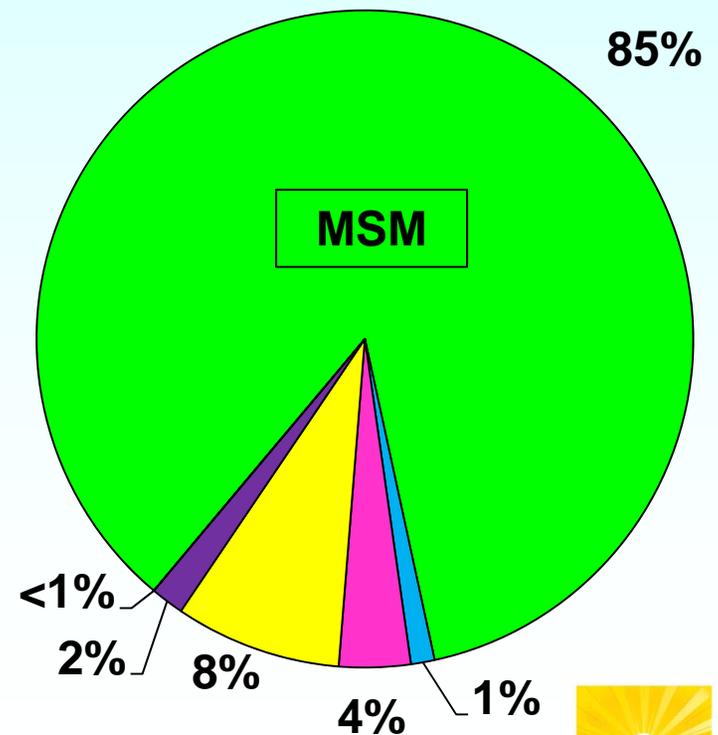
* Other includes hemophilia, transfusion, pediatric risks, and other confirmed risks.

Cases of AIDS Among Male Adolescents and Young Adults by Age at Diagnosis and Mode of Exposure, Reported 2011-2013, Florida

13-19 years
N=77



20-24 years
N=427

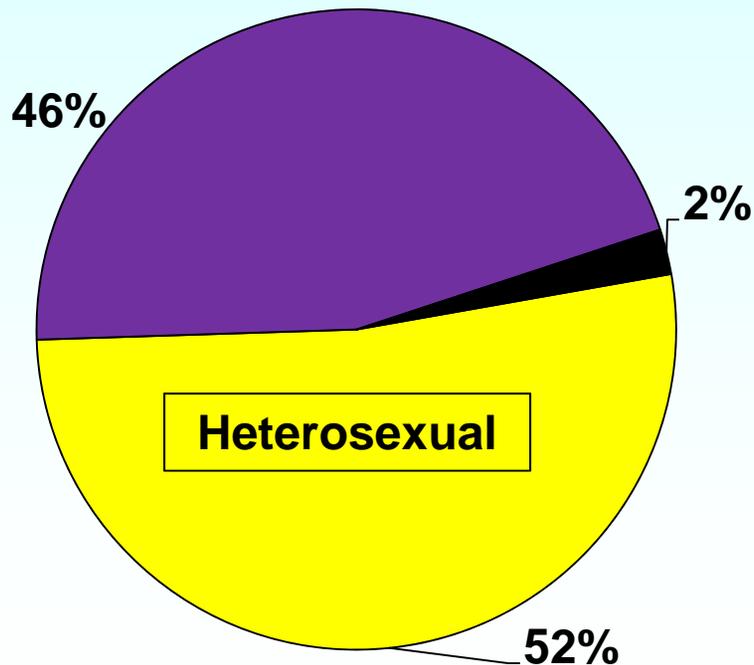


- MSM
- IDU
- MSM/IDU
- Heterosexual
- Perinatal
- Other*

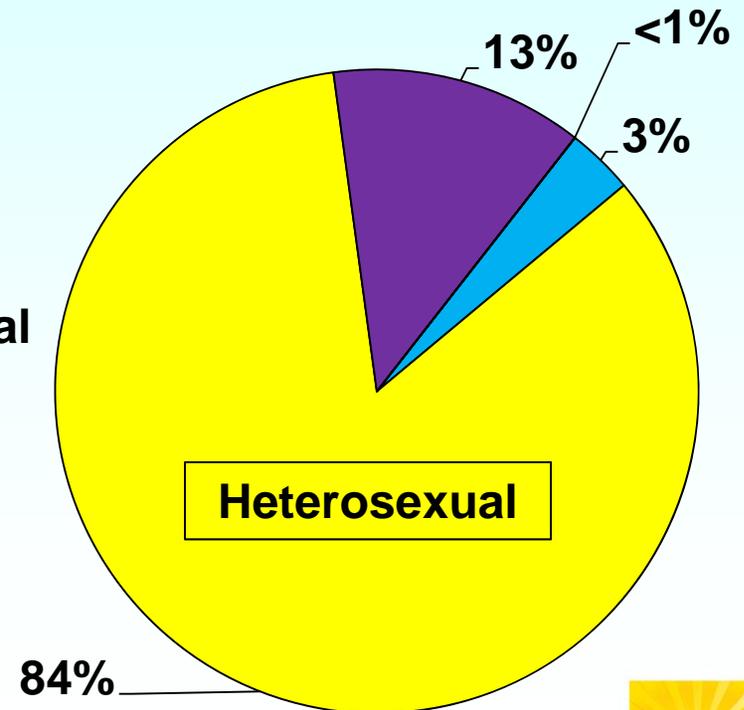
* Other includes hemophilia, transfusion, pediatric risks, and other confirmed risks.

Cases of AIDS Among Female Adolescents and Young Adults by Age at Diagnosis and Mode of Exposure, Reported 2011-2013, Florida

13-19 years
N=44



20-24 years
N=118



* Other includes hemophilia, transfusion, pediatric risks, and other confirmed risks.

HIV Infection and AIDS Cases Among Adolescents and Young Adults by Race, Mode of Exposure and Age at Diagnosis, Reported in 2011-2013, Florida

	HIV						AIDS					
	Men		Women		Total		Men		Women		Total	
Race/Ethnicity	No.	Percent	No.	Percent	No.	Percent	No.	Percent	No.	Percent	No.	Percent
White	426	19%	70	13%	496	18%	53	10%	10	6%	63	9%
Black	1,297	56%	383	73%	1,680	59%	352	66%	130	79%	482	69%
Hispanic	518	23%	66	13%	584	21%	116	22%	19	12%	135	19%
Other*	55	2%	9	2%	64	2%	14	3%	6	4%	20	3%
Total	2,296		528		2,824		535		165		700	
Age Group of Dx												
13-19	447	19%	181	34%	628	22%	77	14%	44	27%	121	17%
20-24	1,849	81%	347	66%	2,196	78%	458	86%	121	73%	579	83%
Total	2,296		528		2,824		535		165		700	
Exposure Category												
MSM	1,907	89%	0	0%	1,907	72%	419	83%	0	0%	419	63%
IDU	16	1%	22	4%	38	1%	5	1%	4	2%	9	1%
MSM/IDU	42	2%	0	0%	42	2%	16	3%	0	0%	16	2%
Heterosexual Contact	171	8%	453	90%	624	24%	40	8%	122	75%	162	24%
Perinatal Risk	14	1%	28	6%	42	2%	24	5%	35	22%	59	9%
Other**	0	0%	1	0%	1	0%	0	0%	1	1%	1	0%
Total	2,150		504		2,654		504		162		666	
Adjustments have been made to redistribute NIR cases.												

Note: NIR cases refer to cases reported with No Identified Risk.

*Other race includes Asian/Pacific Islanders, Native Alaskans/American Indians and Multi-racial individuals.

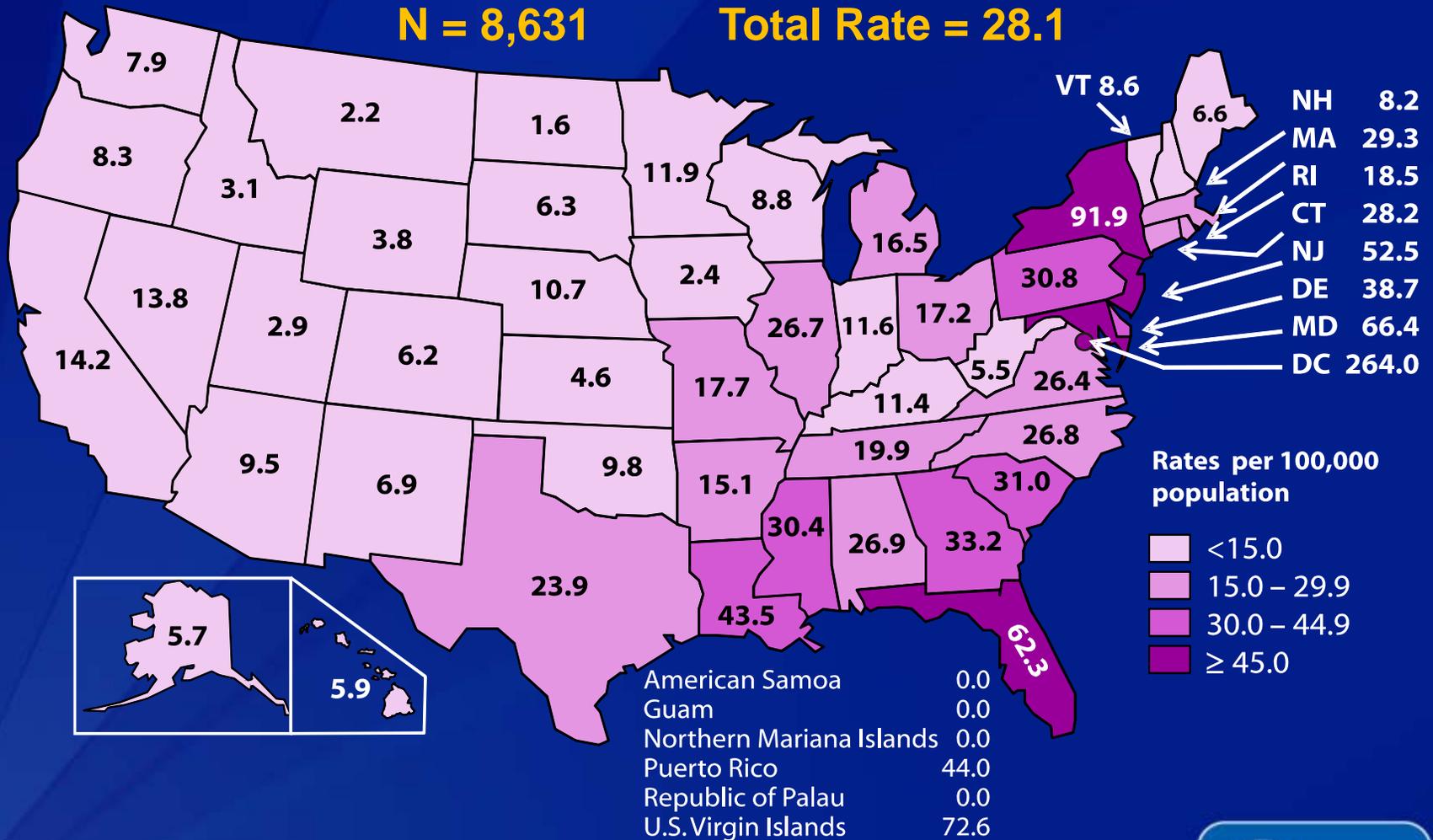
**Other exposure category includes hemophilia, transfusion, pediatric risks, and other confirmed risks.



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

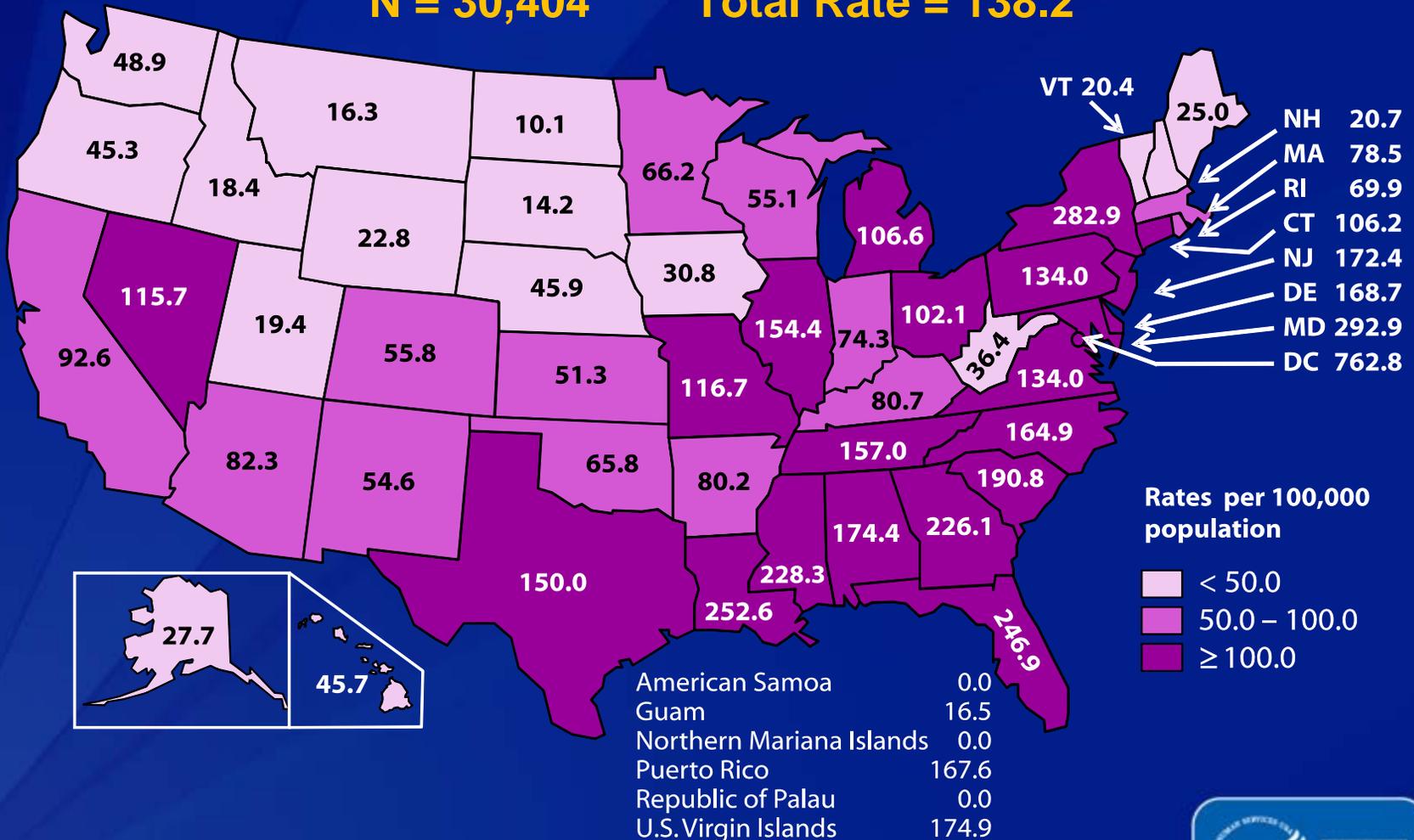
N = 8,631

Total Rate = 28.1



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

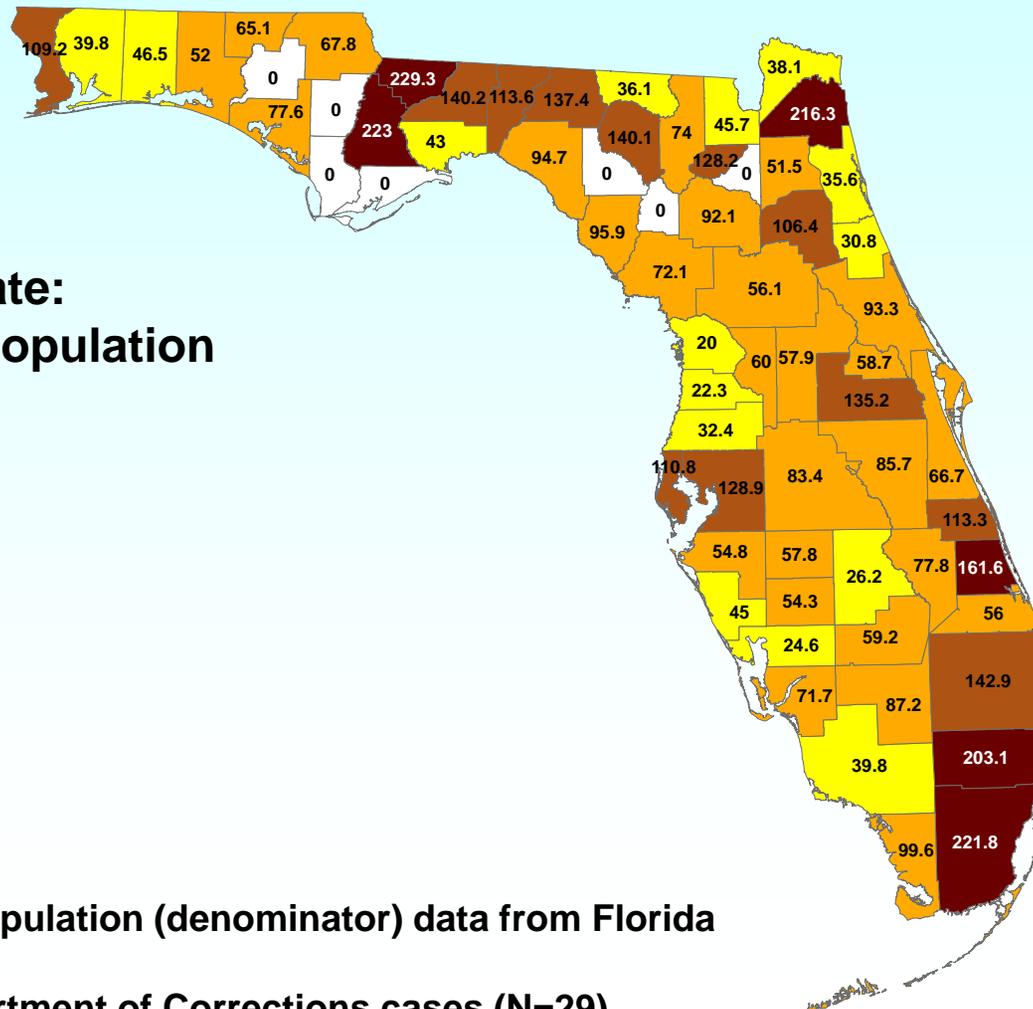
N = 30,404 Total Rate = 138.2



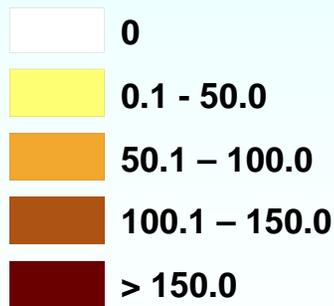
Note. Data include persons with a diagnosis of HIV infection regardless of stage of disease at diagnosis. All displayed data have been statistically adjusted to account for reporting delays, but not for incomplete reporting.



Rates* of Adolescents and Young Adults Living with HIV Disease, By County of Residence,** Reported through 2013, Florida



Statewide Rate:
127.2 Per 100,000 Population
N=3,768



*Rates are based on 2013 population (denominator) data from Florida CHARTS.

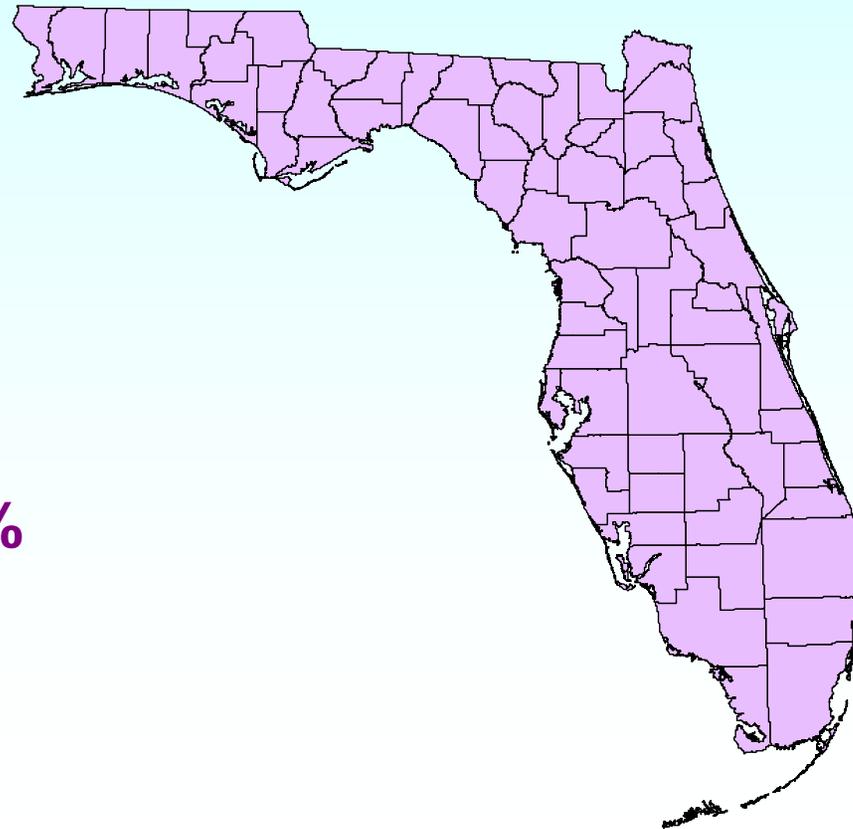
**County rates exclude Department of Corrections cases (N=29).



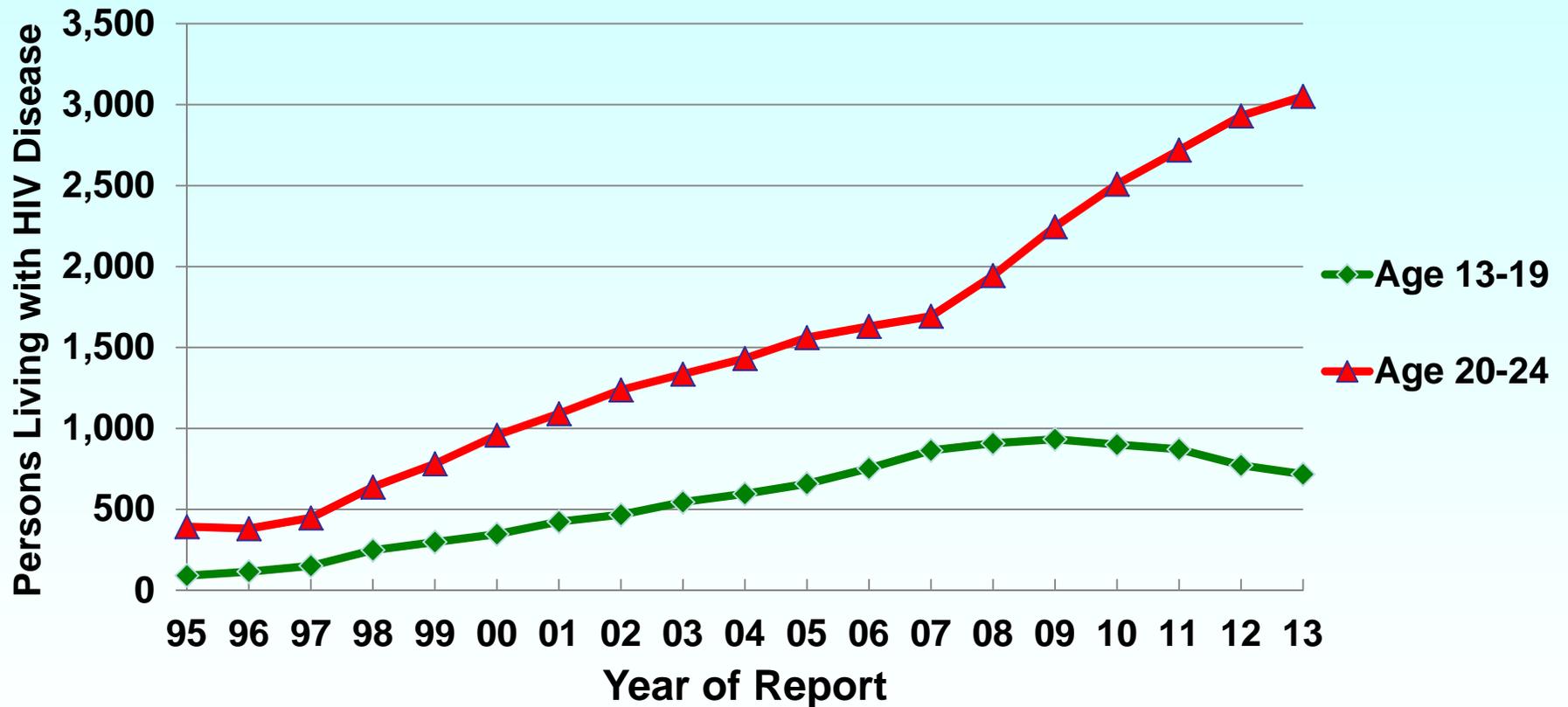
Adolescents and Young Adults, Living with HIV Disease, Reported through 2013, Florida

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

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



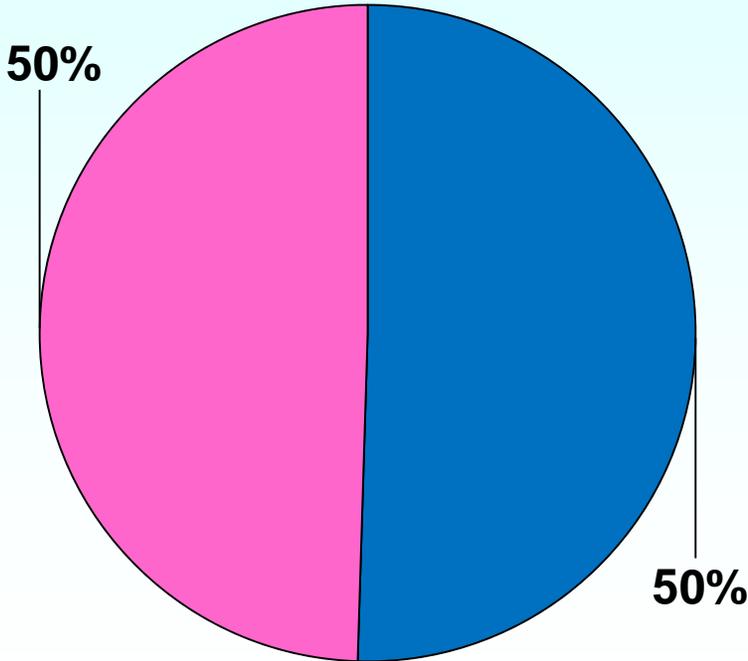
Annual Prevalence of Adolescents and Young Adults Living with HIV Disease by Current Age Group, 1995-2013, Florida



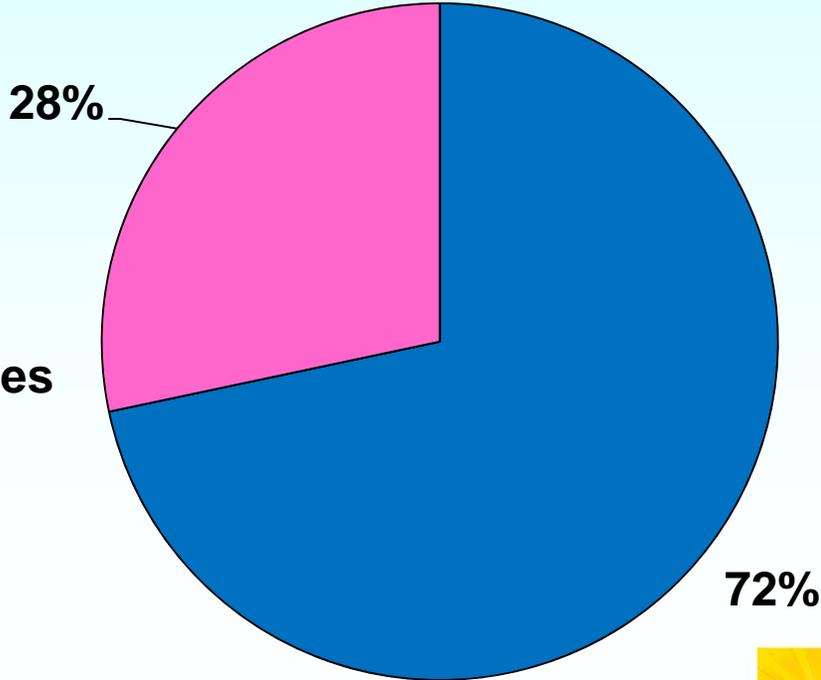
As a result of declining deaths, annual HIV/AIDS diagnoses have exceeded deaths since 1995, and the number of persons reported with HIV/AIDS that are presumed to be alive has been increasing. Since 2010 decreases in the annual prevalence of cases aged 13-19 have been observed, this could be a possible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

Adolescents and Young Adults Living with HIV Disease by Sex and Age Group, Reported through 2013, Florida

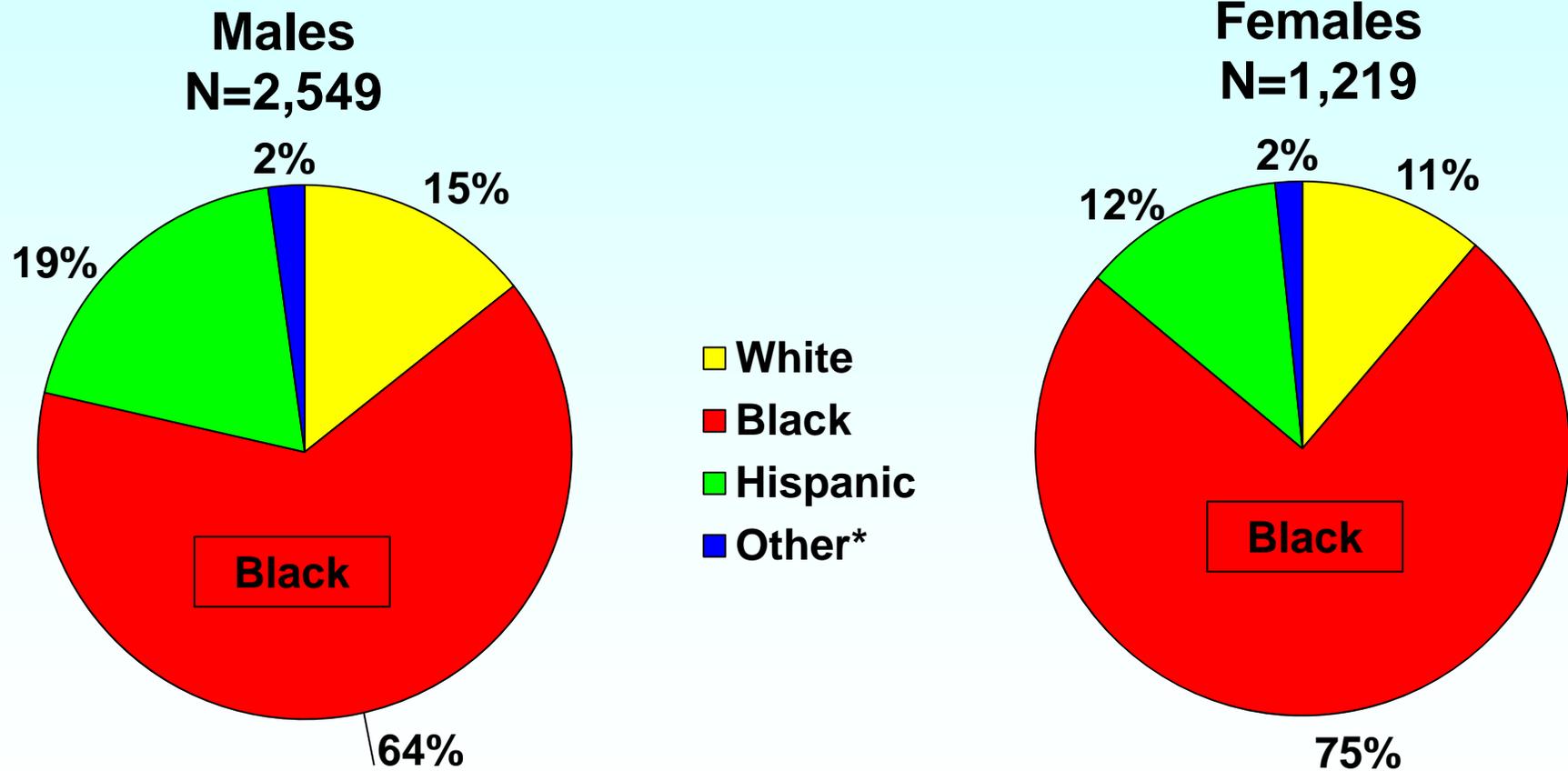
13-19 years
N=717



20-24 years
N=3,051



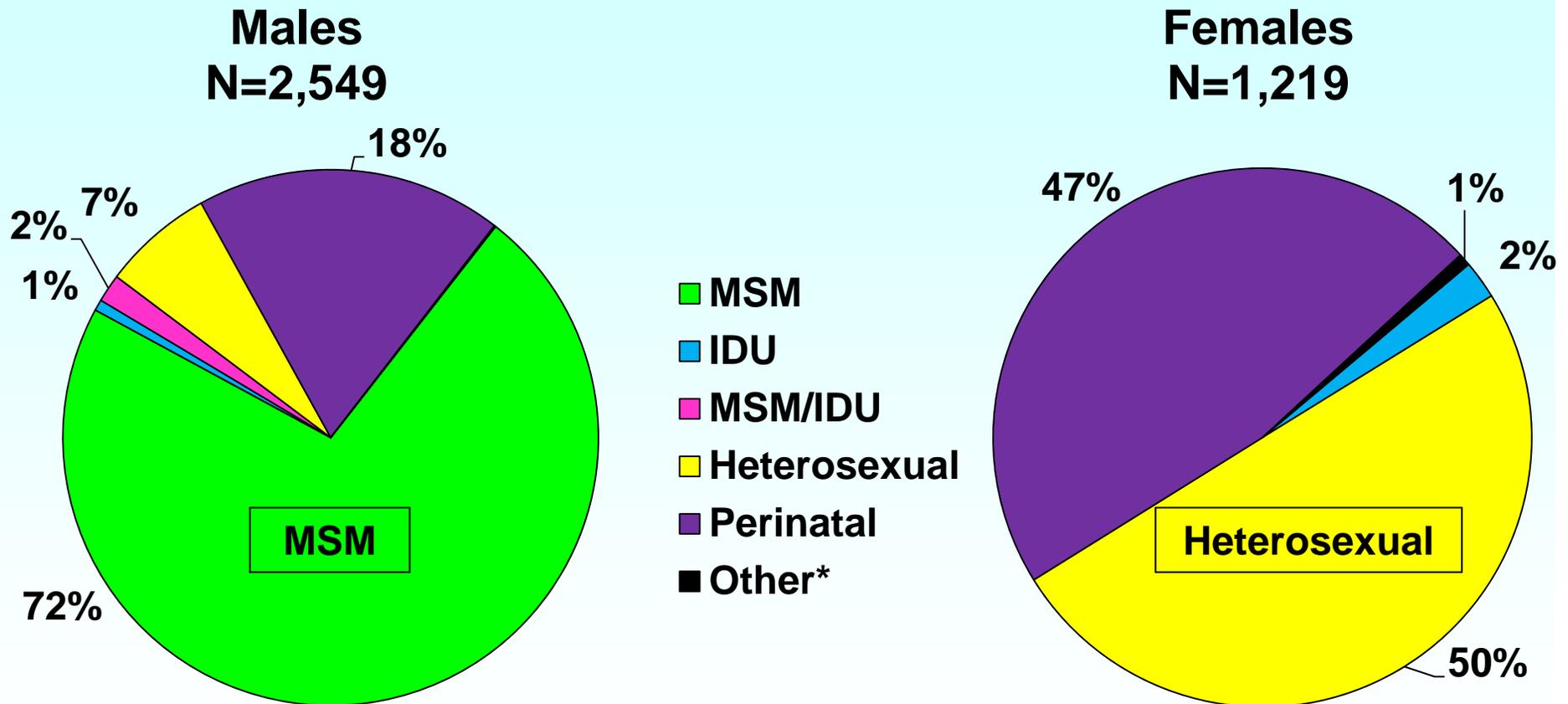
Adolescents and Young Adults Living with HIV Disease by Sex and Race/Ethnicity, Reported through 2013, Florida



Note: Among those adolescents and young adults living with HIV, blacks represented the majority of cases for both males (64%) and females (75%).

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

Adolescents and Young Adults Living with HIV Disease by Sex and Mode of Exposure, Reported through 2013, Florida



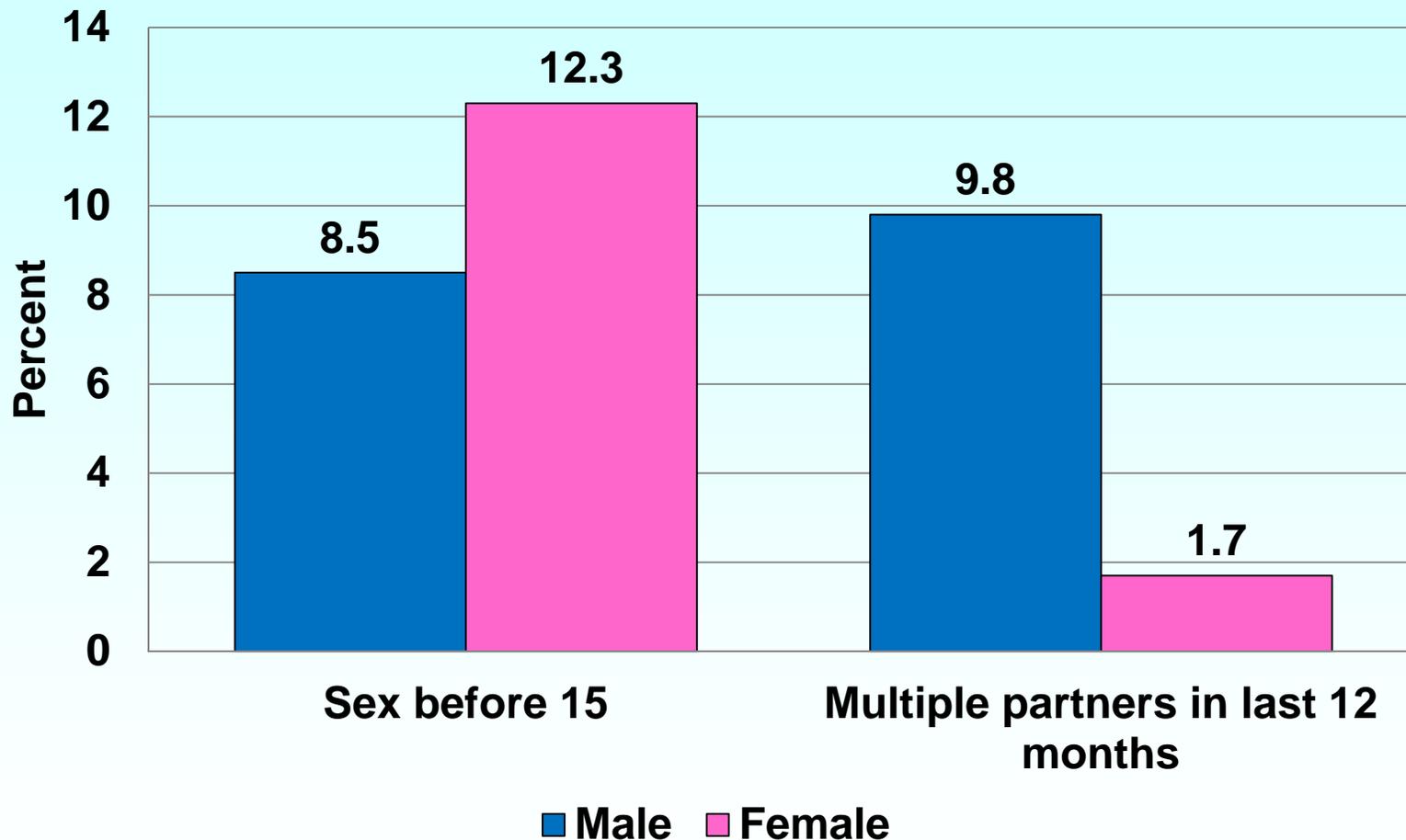
Note: NIRs redistributed. MSM is the primary risk among adolescent and young adult males (72%), followed by perinatal exposure (18%) and heterosexual sex (7%). Heterosexual sex is the primary risk among adolescent and young adult females (50%), followed by perinatal exposure (47%).

* Other includes hemophilia, transfusion, pediatric risks, and other confirmed risks.

Adolescents and Young Adults Living with HIV Disease by Sex, Race/Ethnicity, Current Age and Mode of Exposure, Reported through 2013, Florida

	Living with HIV Disease					
	Males		Females		Total	
Current Age Group	No.	Percent	No.	Percent	No.	Percent
13-19	362	14%	355	29%	717	19%
20-24	2,187	86%	864	71%	3,051	81%
Total	2,549		1,219		3,768	
Race/Ethnicity	No.	Percent	No.	Percent	No.	Percent
White	365	14%	137	11%	502	13%
Black	1,638	64%	912	75%	2,550	68%
Hispanic	490	19%	150	12%	640	17%
Other	56	2%	20	2%	76	2%
Total	2,549		1,219		3,768	
Exposure Category	No.	Percent	No.	Percent	No.	Percent
MSM	1,844	72%	0	0%	1,844	49%
IDU	17	1%	28	2%	45	1%
MSM/IDU	43	2%	0	0%	43	1%
Heterosexual Contact	171	7%	609	51%	780	21%
Other Confirmed Risk	2	0%	9	1%	11	0%
Perinatal	472	19%	573	46%	1,045	28%
Total	2,549		1,219		3,768	
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.

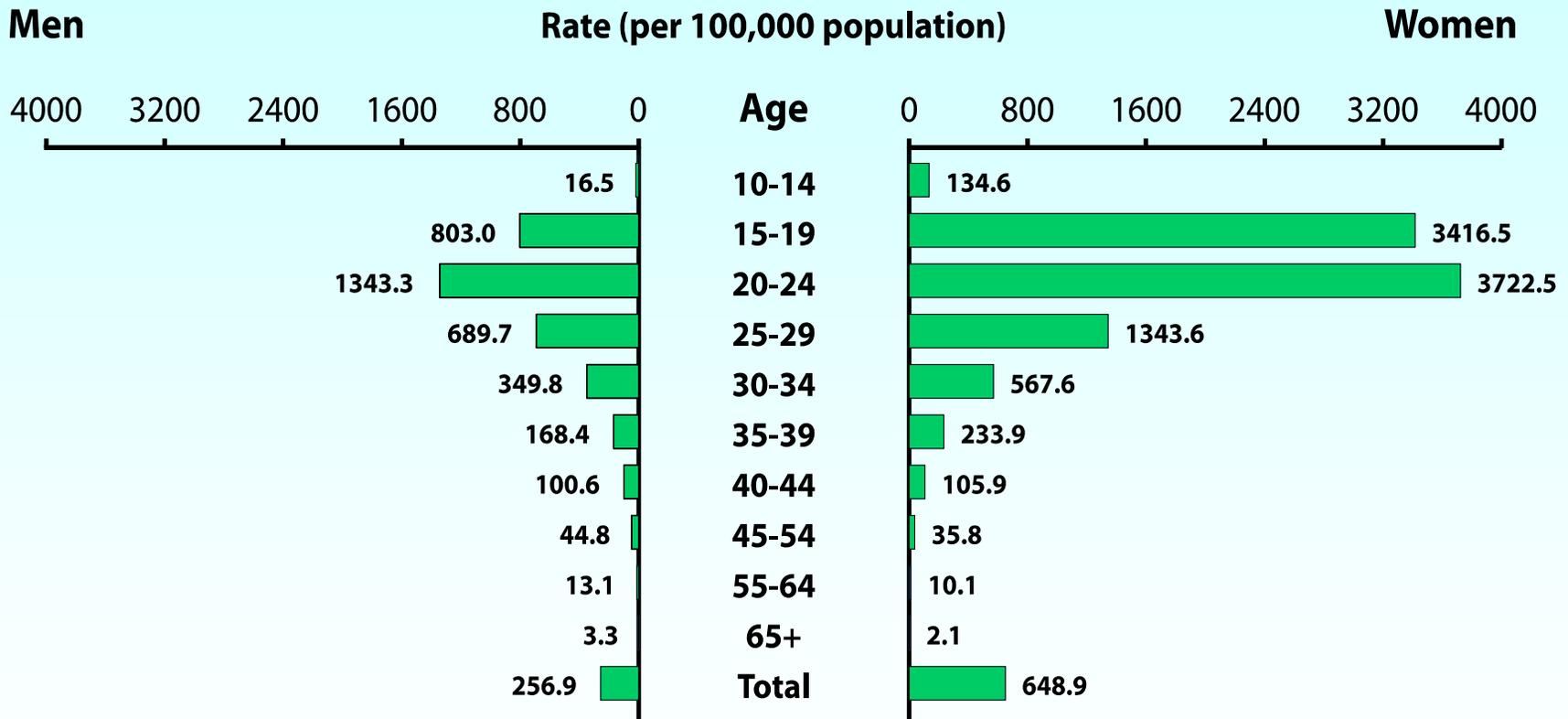
**Each year, one in four teens
contracts a Sexually Transmitted
Disease/Sexually Transmitted
Infection (STD/STI).**

**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

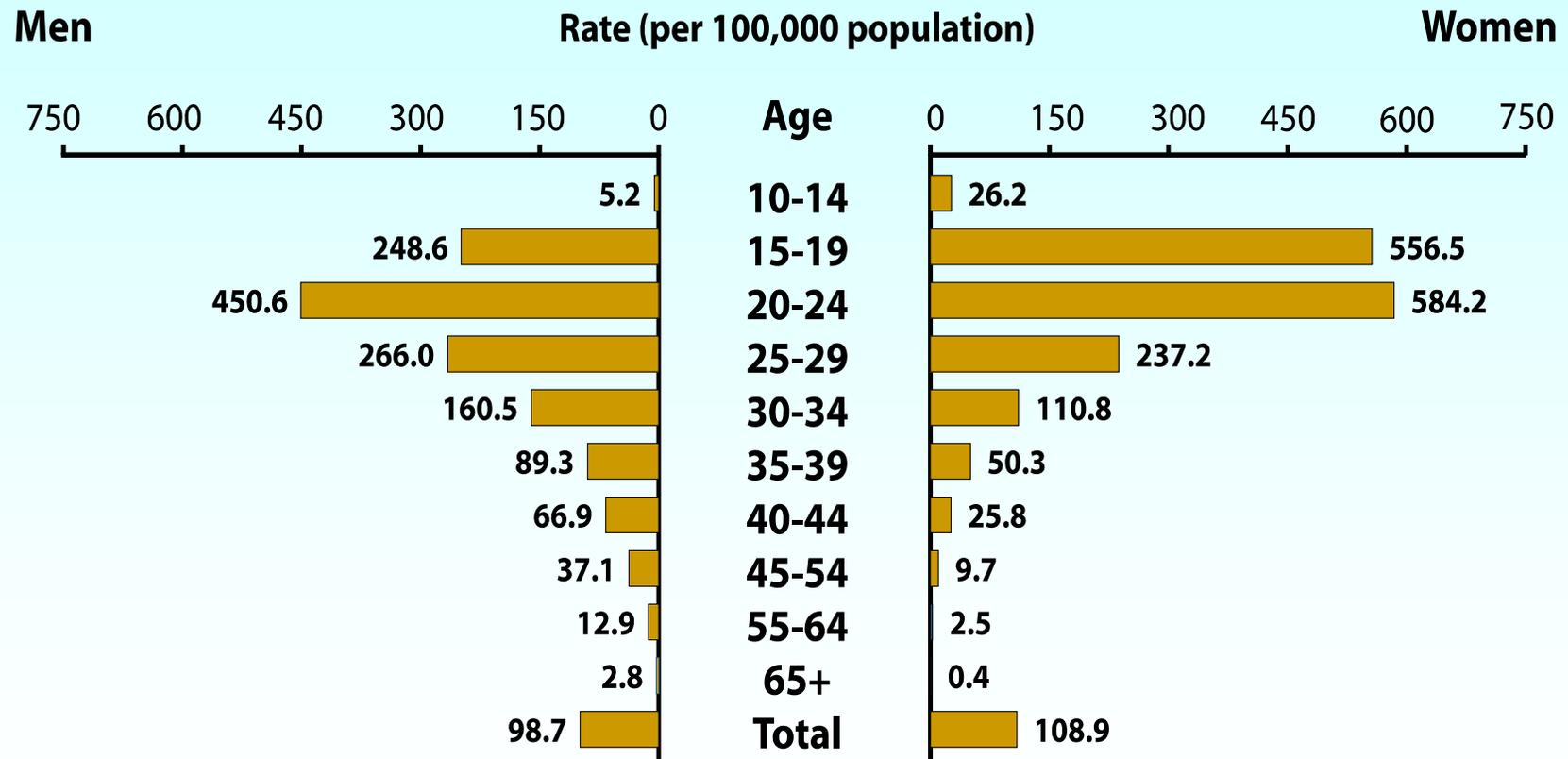


Since 1994, Chlamydia has been the most frequently reported STD. During the last ten years, there was a significant increase in reported cases due to the expansion of Chlamydia screening methods. However, there are still many women who are not being tested due to lack of awareness and resources.

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

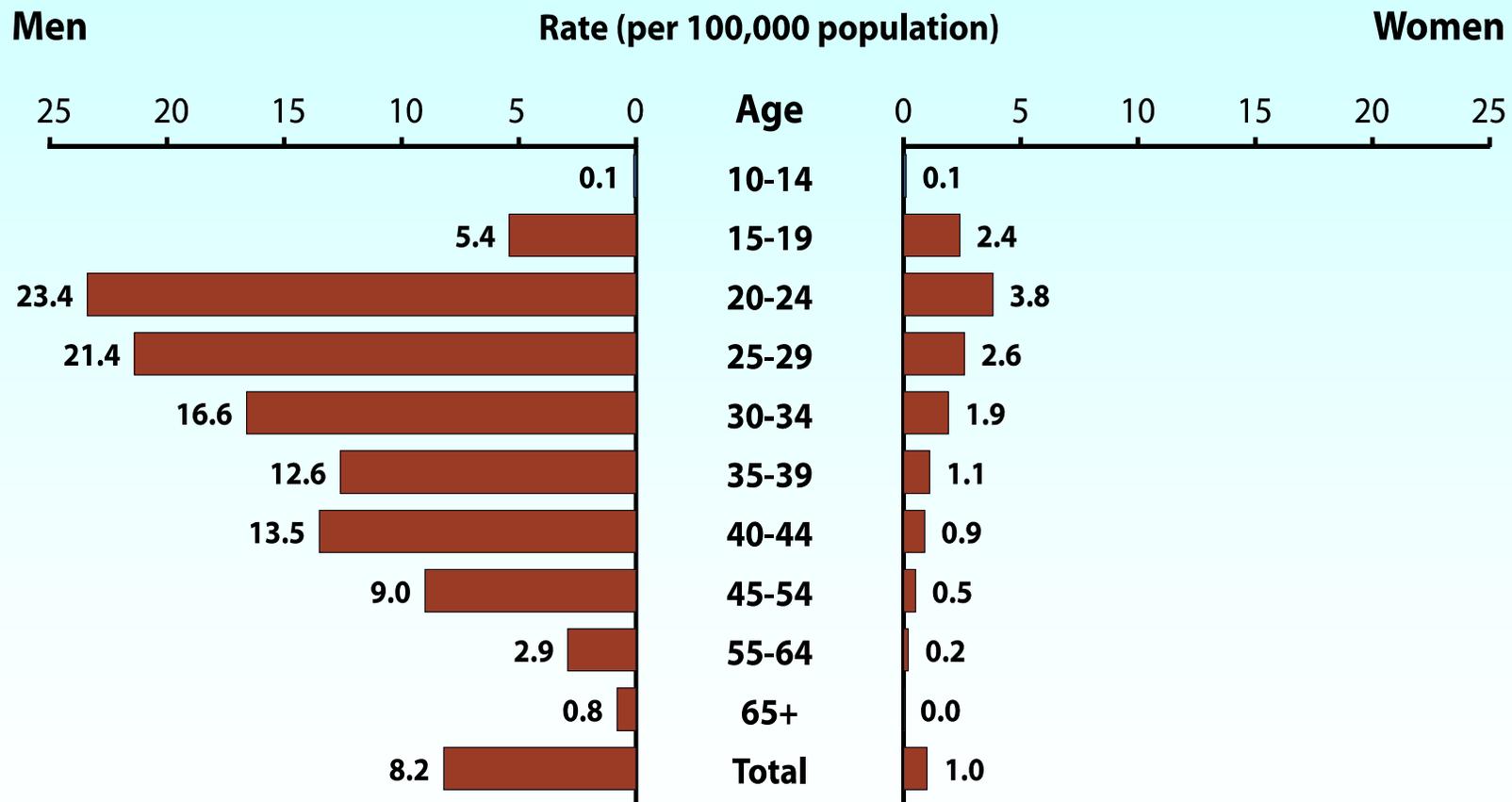


Symptoms in males can take up to 30 days to appear, and some symptoms in women can be mistaken for other bladder or vaginal infections. In addition, if gonorrhea is left untreated it can cause infertility in both sexes.

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



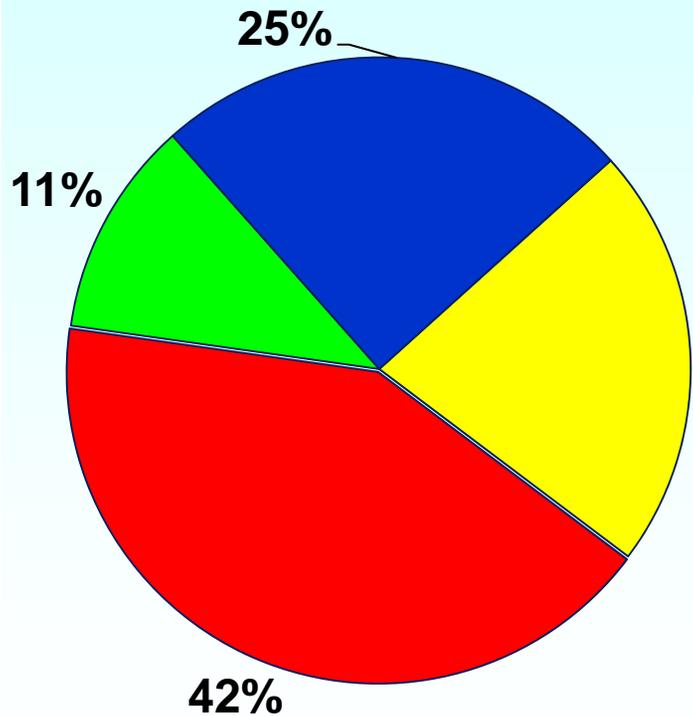
Syphilis, is also known as “the great imitator,” because so many of its signs and symptoms are common in other diseases, making it difficult to tell apart. Many people with syphilis do not have any symptoms for years, although if left untreated this disease can lead to further complications such as severe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

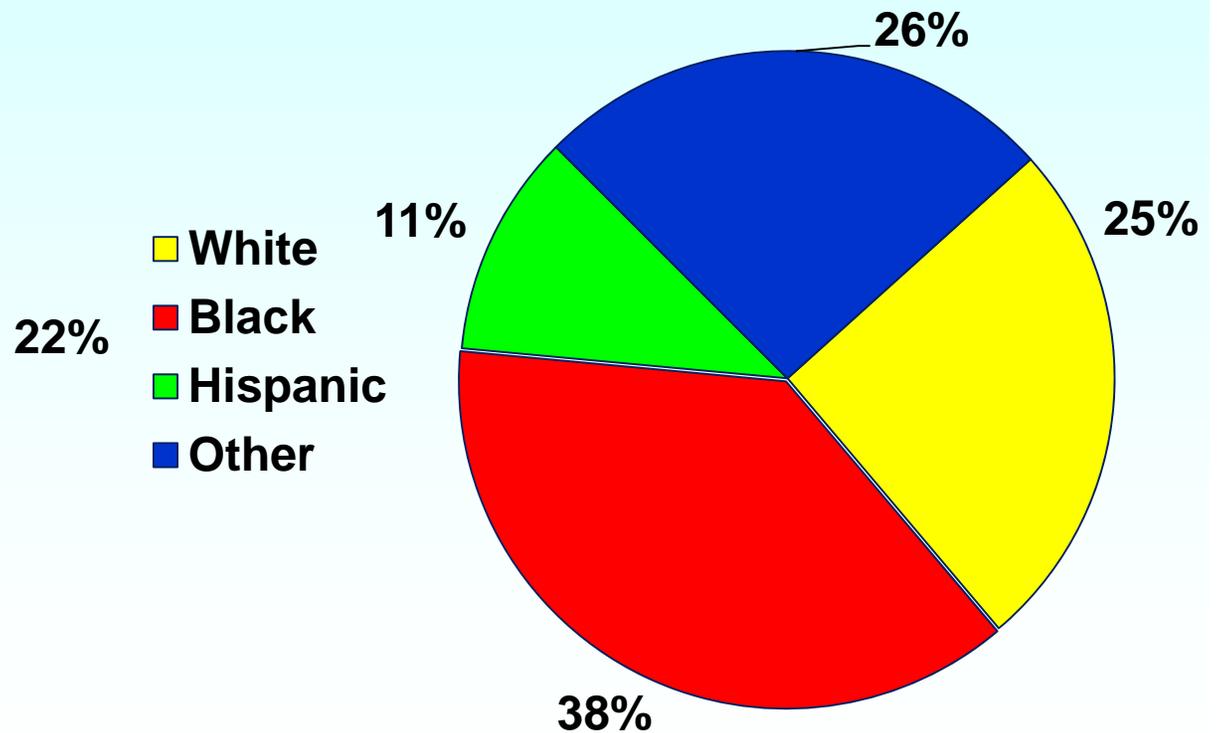


Chlamydia Cases, by Sex and Race/Ethnicity, Reported in 2013, Florida

Males
N=23,518



Females
N=56,783



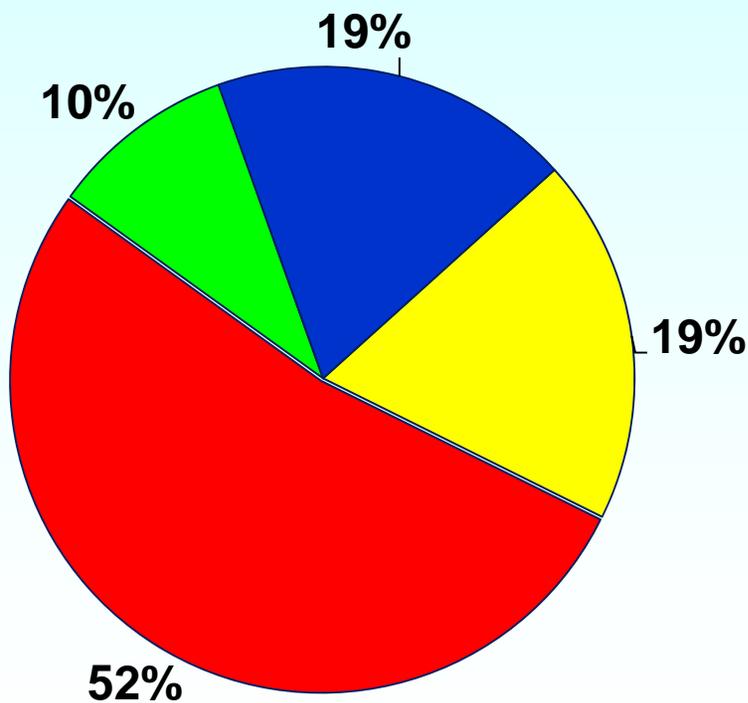
White
Black
Hispanic
Other

Note: 26% of these cases are among adolescents, ages 13-19.

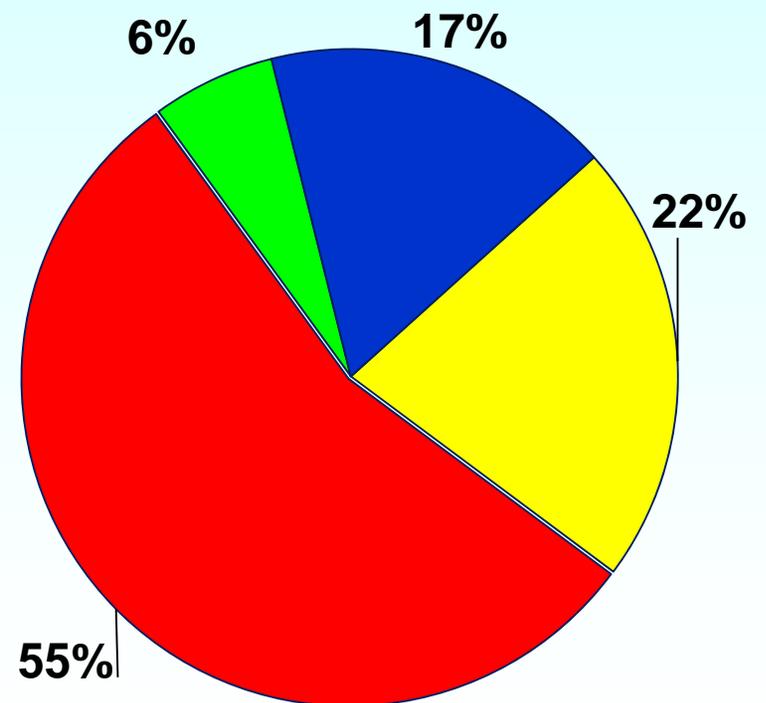
*Other includes Asian/Pacific Islanders, Native Alaskans/American Indians and mixed races.

Gonorrhea Cases, by Sex and Race/Ethnicity, Reported in 2013, Florida

Males
N=11,178



Females
N=9,712



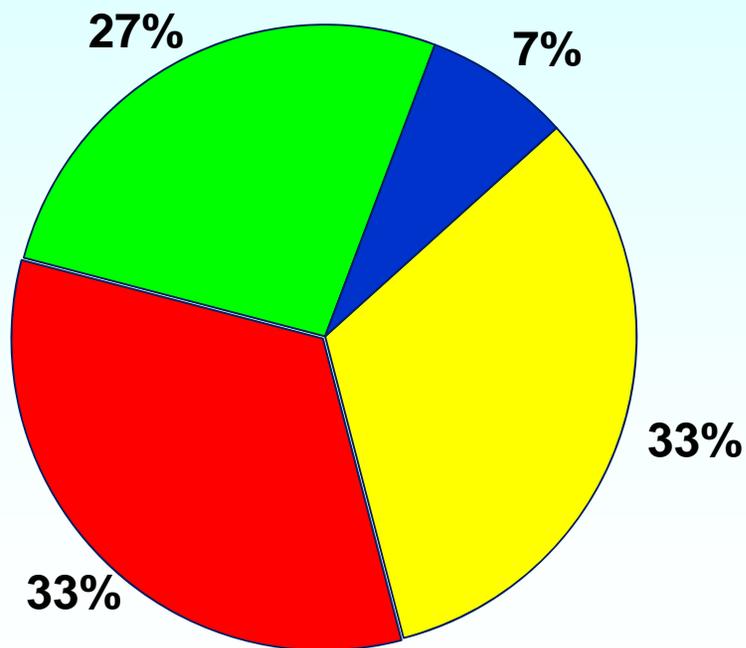
- White
- Black
- Hispanic
- Other

Note: 19% of these cases are among adolescents, ages 13-19.

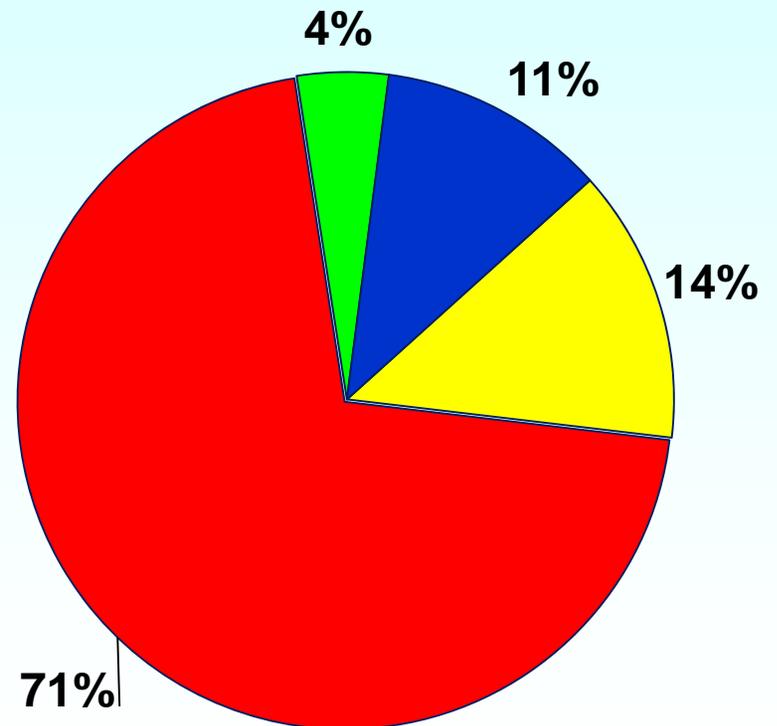
*Other includes Asian/Pacific Islanders, Native Alaskans/American Indians and mixed races.

Primary and Secondary Syphilis Cases, by Sex and Race/Ethnicity, Reported in 2013, Florida

Males
N=1,383



Females
N=133



White
Black
Hispanic
Other

Note: 6% of these cases are among adolescents, ages 13-19.

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

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

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