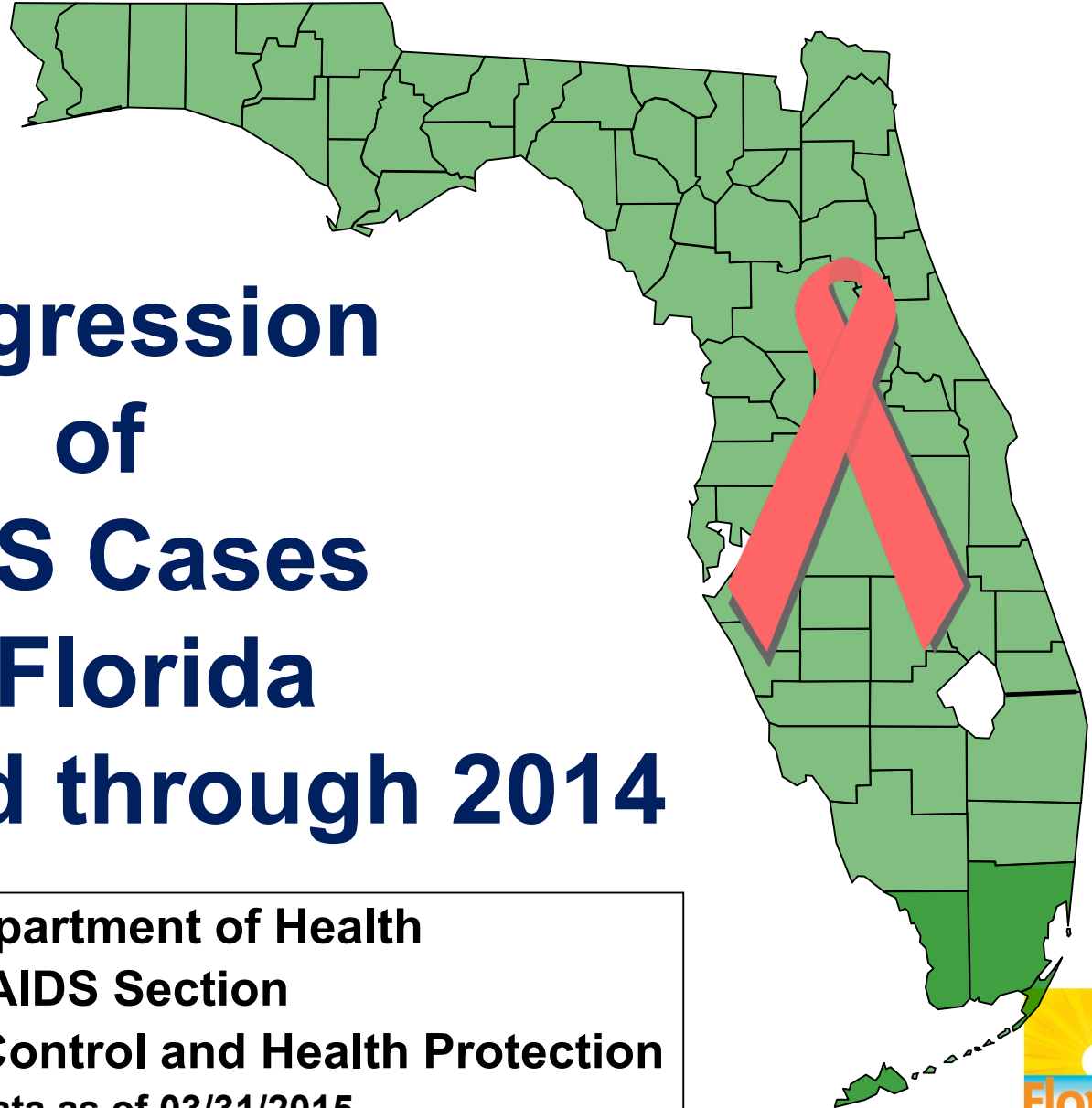




To protect, promote and improve the health of all people in Florida through integrated state, county, and community efforts.

Created: 12/04/14

Revision: 05/27/16



Progression of AIDS Cases in Florida Diagnosed through 2014

**Florida Department of Health
HIV/AIDS Section
Division of Disease Control and Health Protection
Annual data as of 03/31/2015**





Surveillance Case Definition **for AIDS in Florida**

AIDS Cases became reportable in Florida in 1981.

A person with a positive confirmatory HIV antibody test or positive virologic test (qualitative or quantitative) and

☐ **In Adult/Adolescent Case Only (13 years of age or older):**

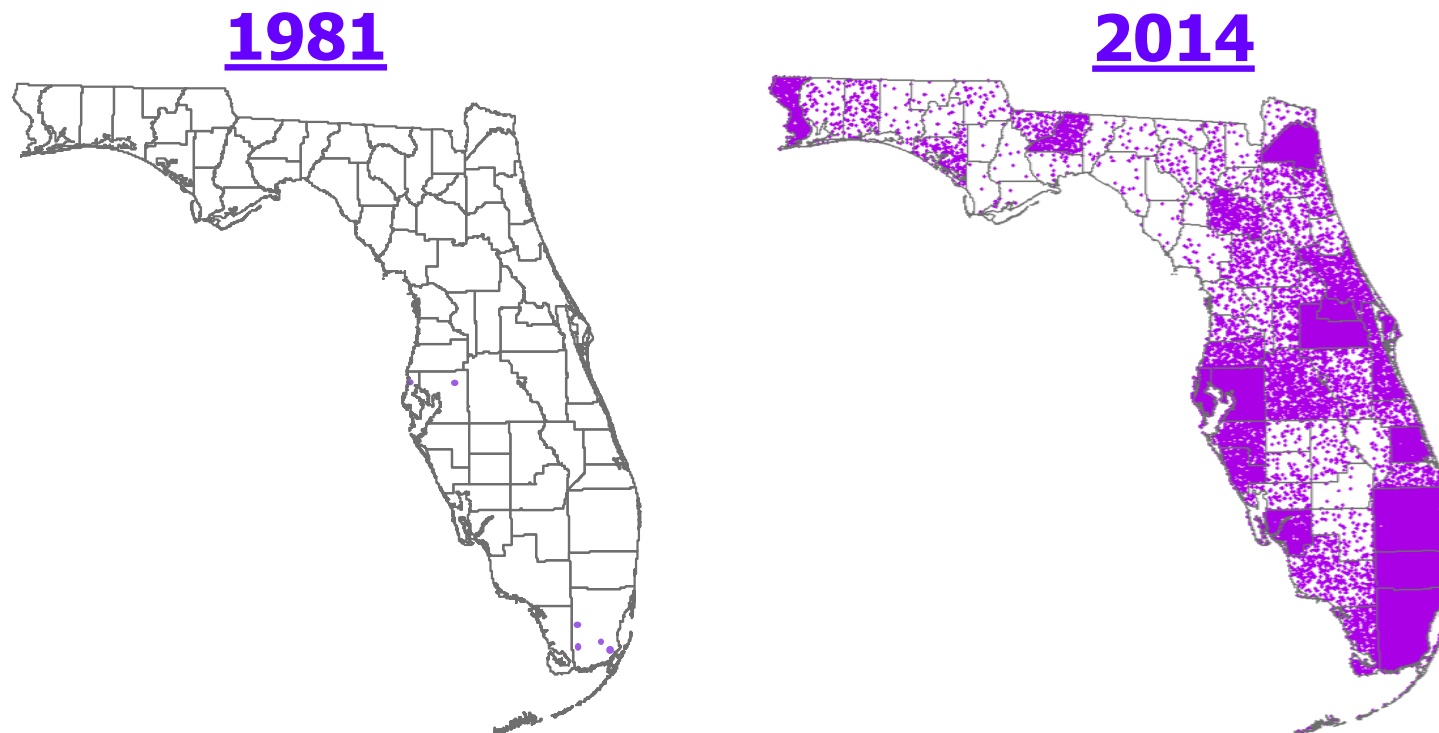
- **Has a CD4 absolute count below 200, or**
- **Has a CD4 of less than 14 percent total lymphocytes**

☐ **In Adult/Adolescent and Pediatric Cases:**

- **Has been diagnosed with one or more AIDS-defining illness (Opportunistic Infection)**



Progression of Diagnosed AIDS Cases Florida, 1981 - 2014*



* Due to Florida reporting laws, HIV cases diagnosed prior to July 1997 were simultaneously diagnosed as HIV and AIDS.

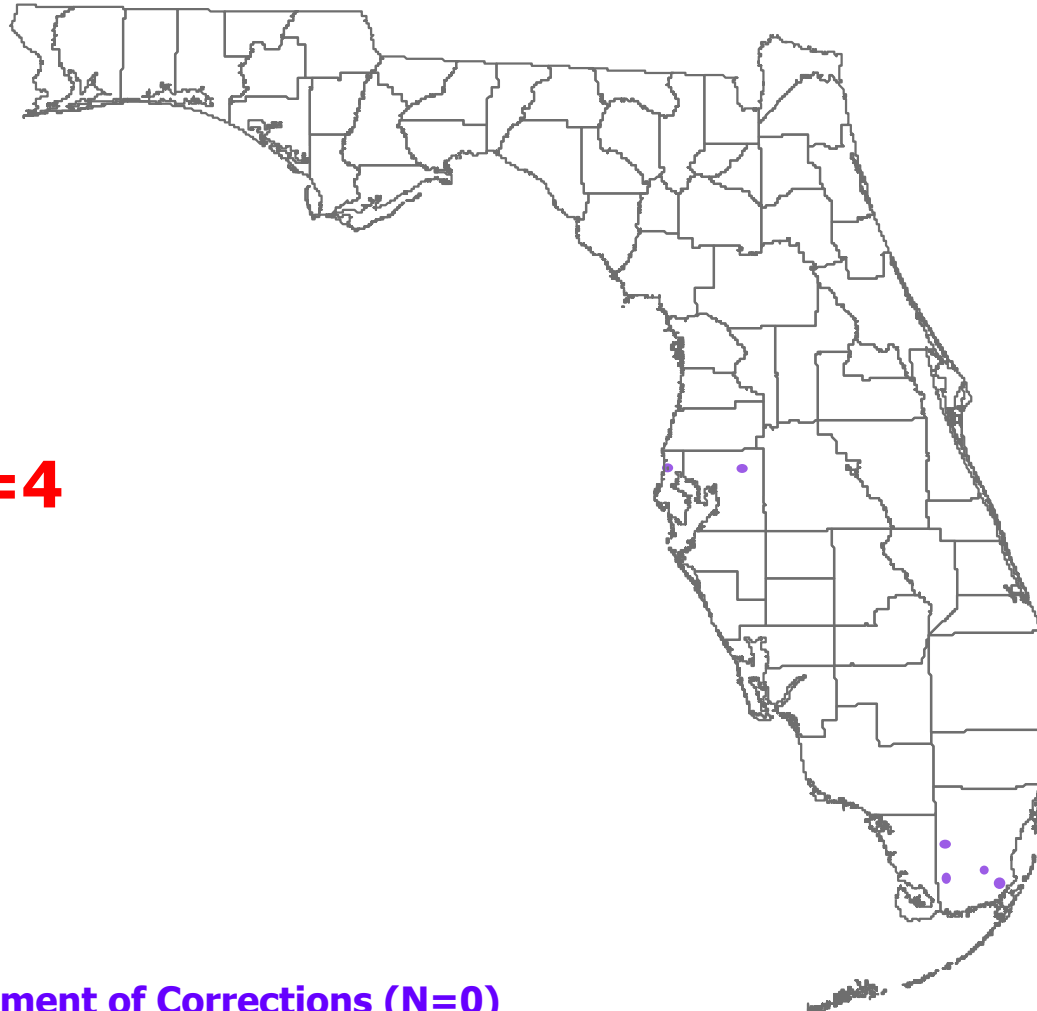
Data as of 6/30/2014



Diagnosed AIDS Cases*

Florida, 1981

N=4

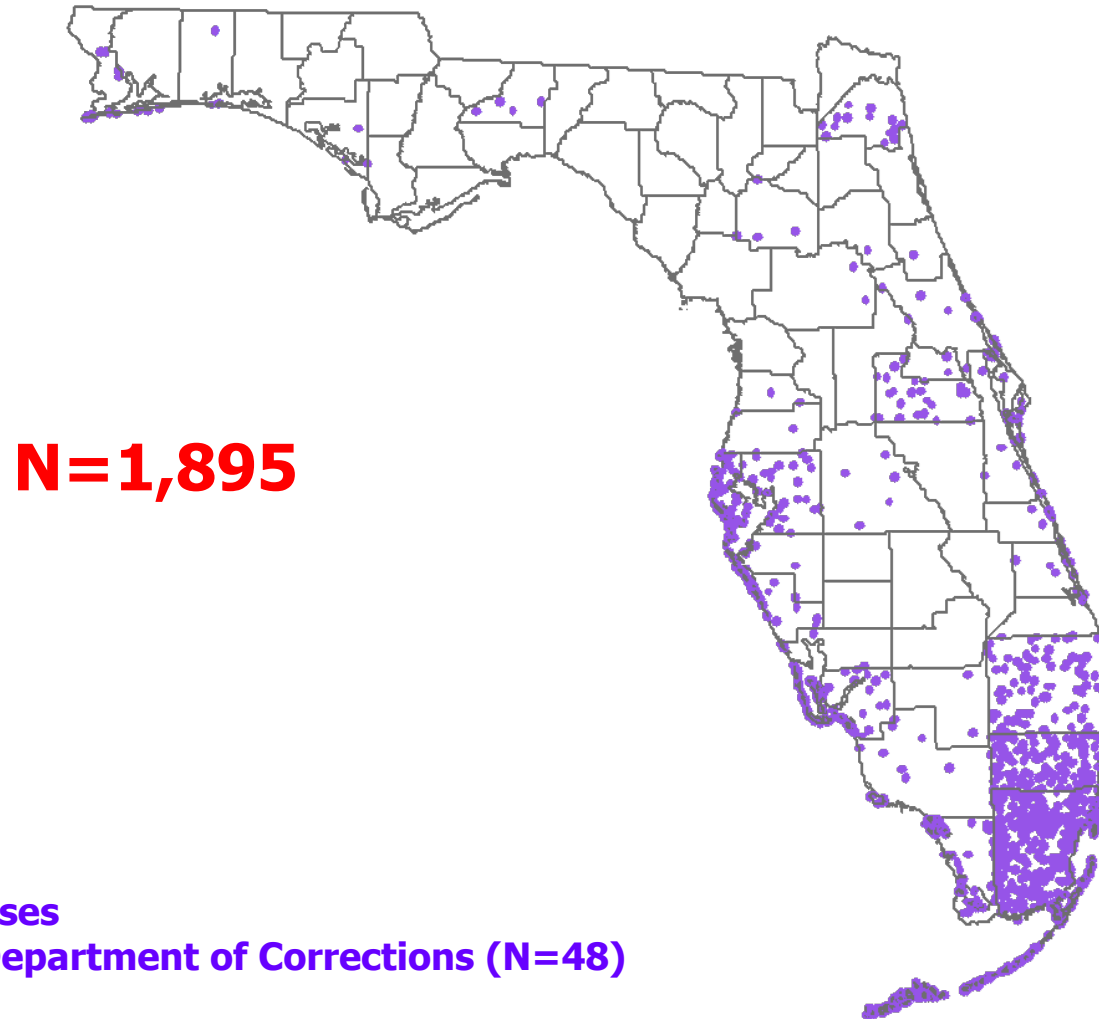


Each dot = 1 case

Map excludes Department of Corrections (N=0)

* Due to Florida reporting laws, HIV cases diagnosed prior to July 1997 were simultaneously diagnosed as HIV and AIDS.

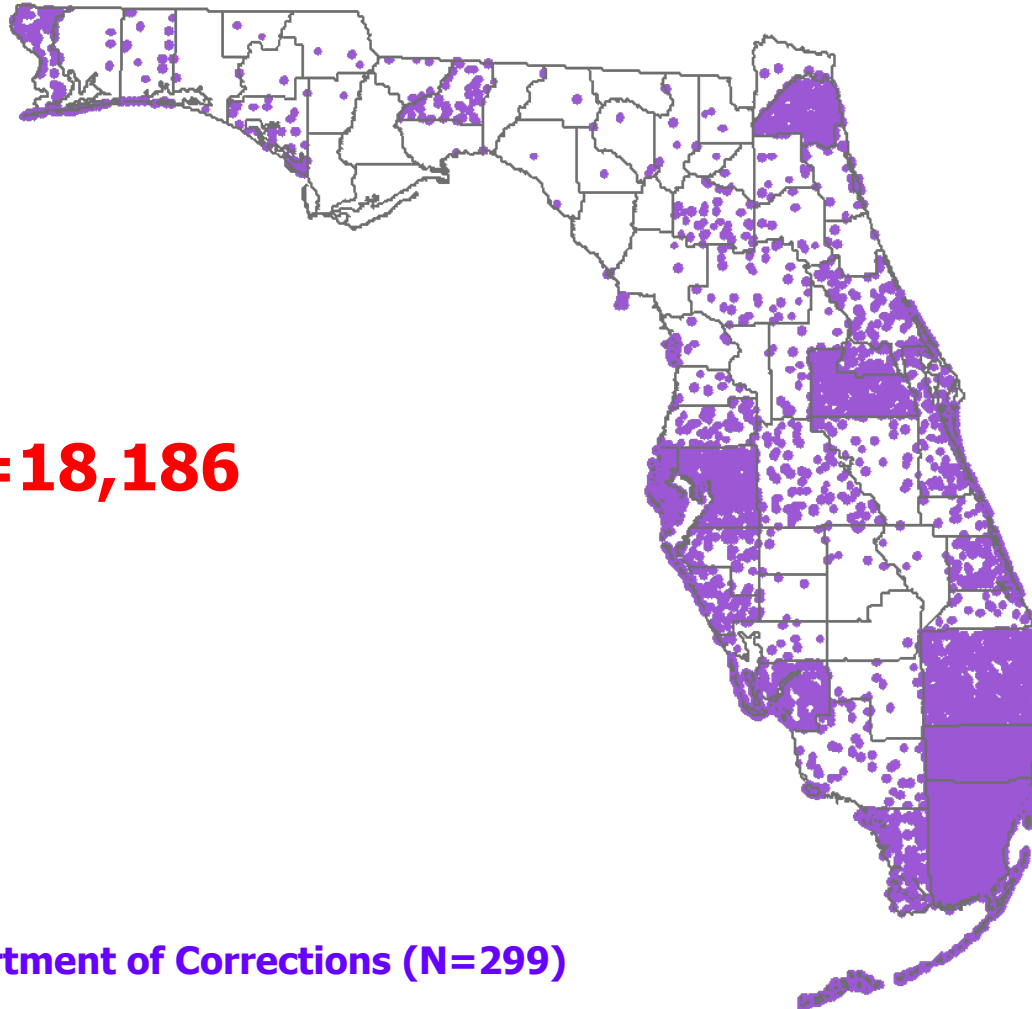
Diagnosed AIDS Cases* Florida, through 1986



* Due to Florida reporting laws, HIV cases diagnosed prior to July 1997 were simultaneously diagnosed as HIV and AIDS.

Diagnosed AIDS Cases* Florida, through 1991

N=18,186

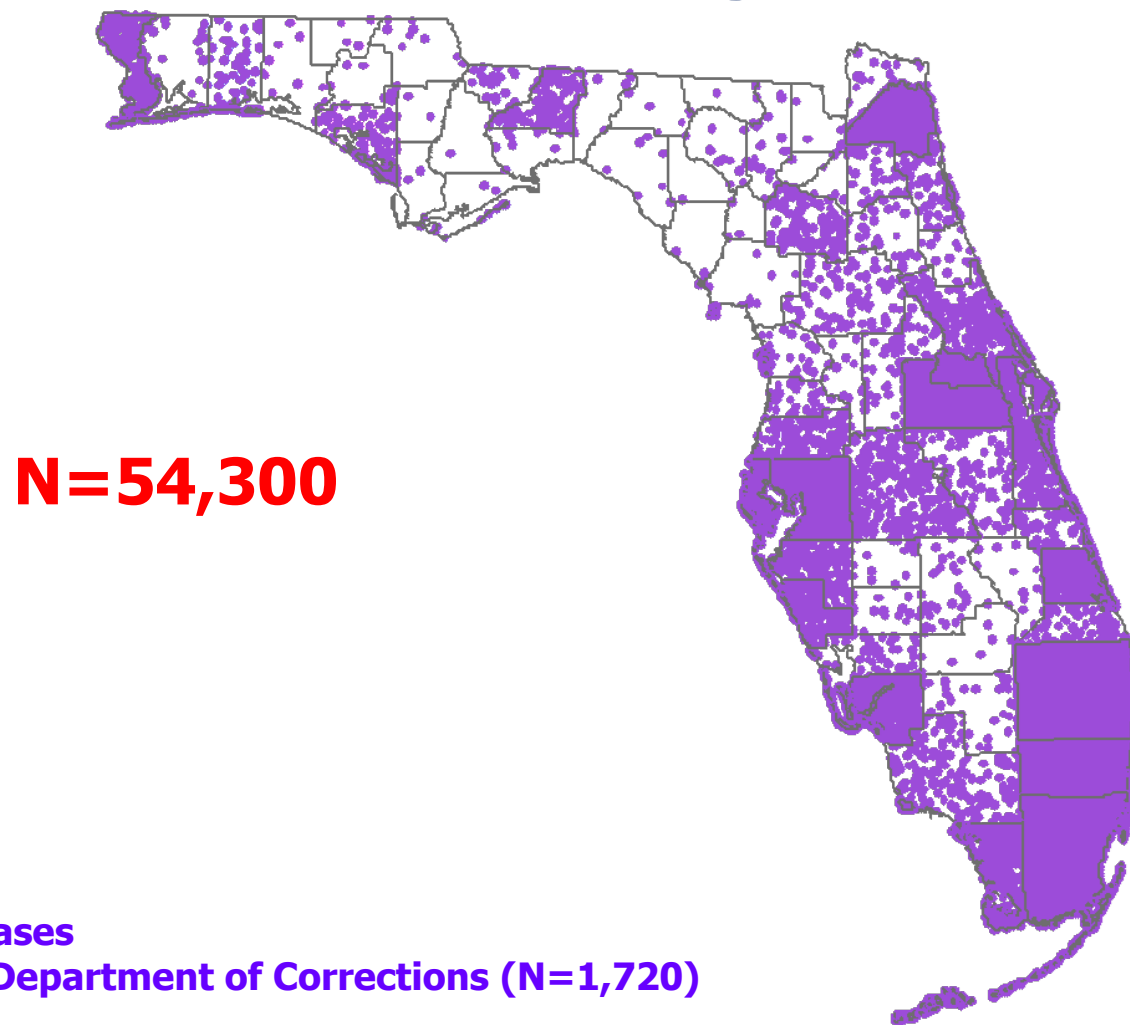


Each dot = 3 cases

Map excludes Department of Corrections (N=299)

* Due to Florida reporting laws, HIV cases diagnosed prior to July 1997 were simultaneously diagnosed as HIV and AIDS.

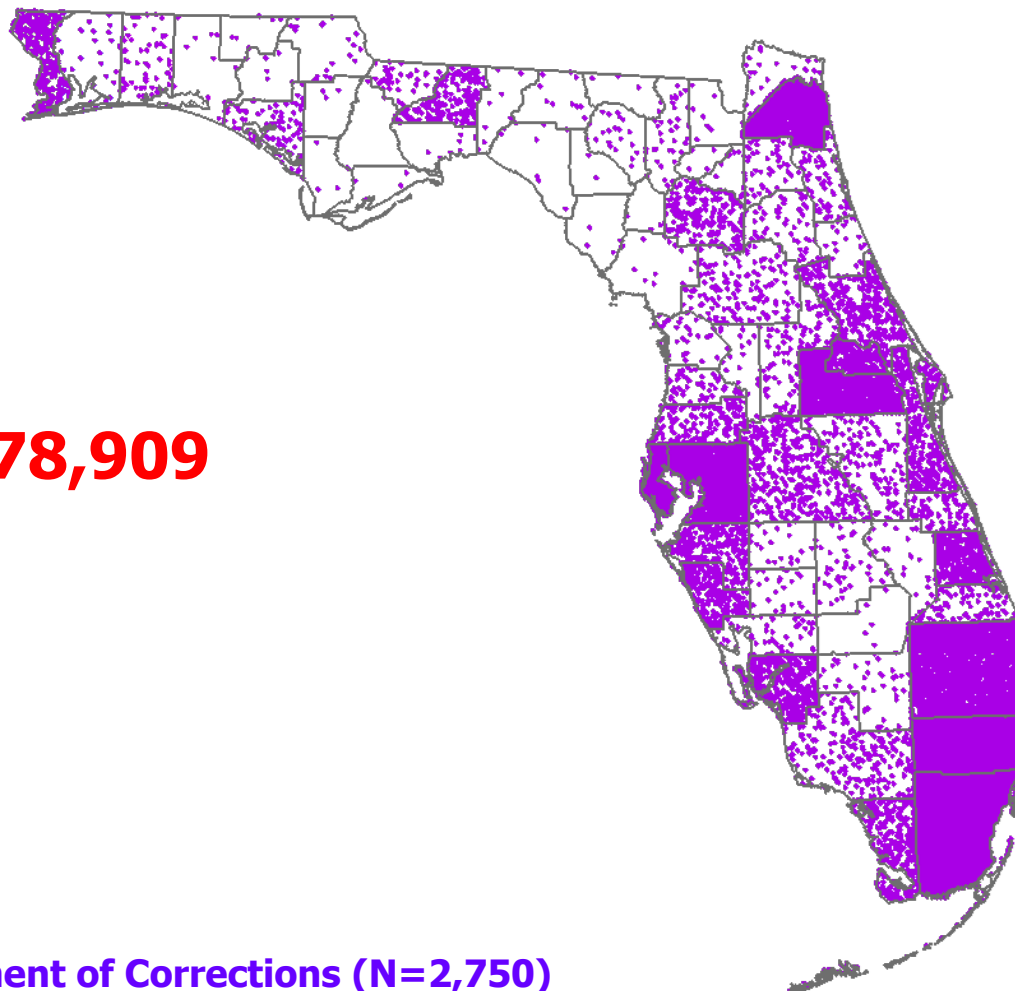
Diagnosed AIDS Cases* Florida, through 1996



* Due to Florida reporting laws, HIV cases diagnosed prior to July 1997 were simultaneously diagnosed as HIV and AIDS.

Diagnosed AIDS Cases Florida, through 2000

N=78,909



Each dot = 3 cases

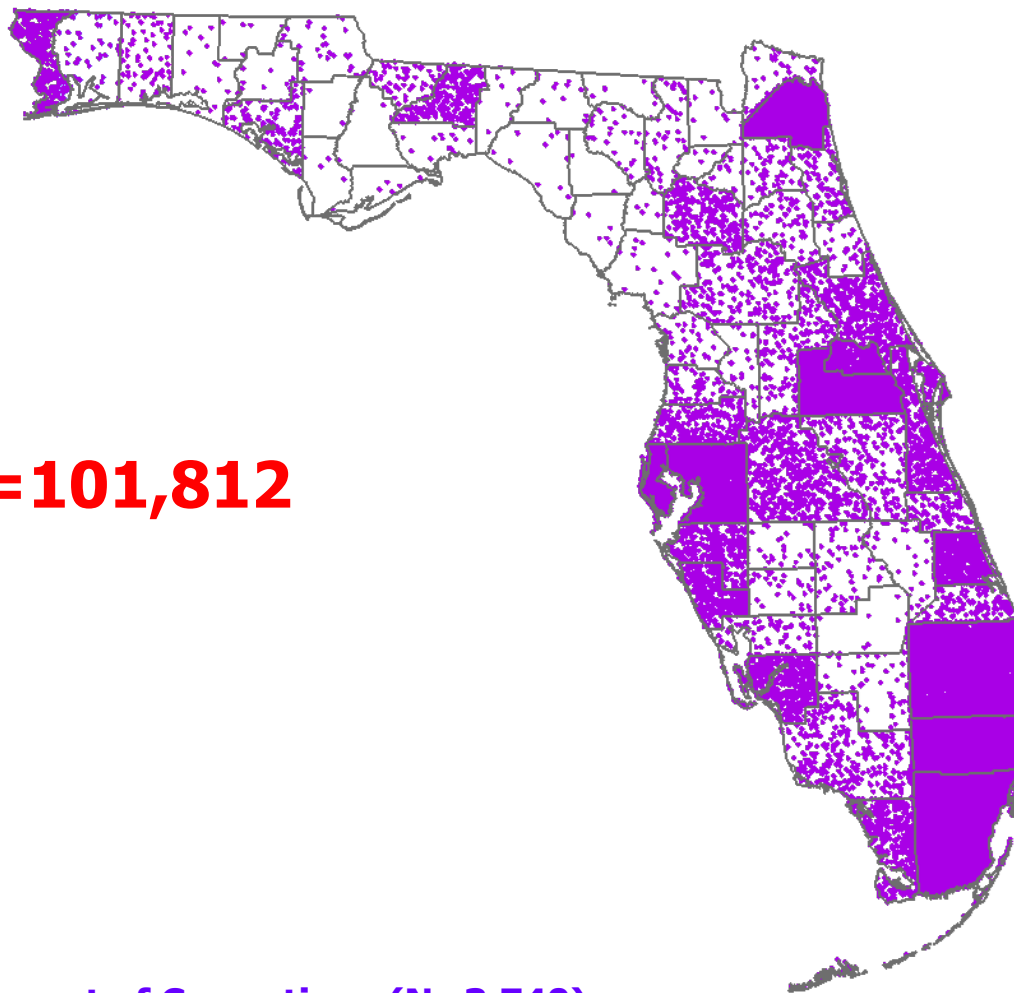
Map excludes Department of Corrections (N=2,750)

Note: 58,840 (75%) are known dead

Data as of 3/31/2015

Diagnosed AIDS Cases Florida, through 2005

N=101,812



Each dot = 3 cases

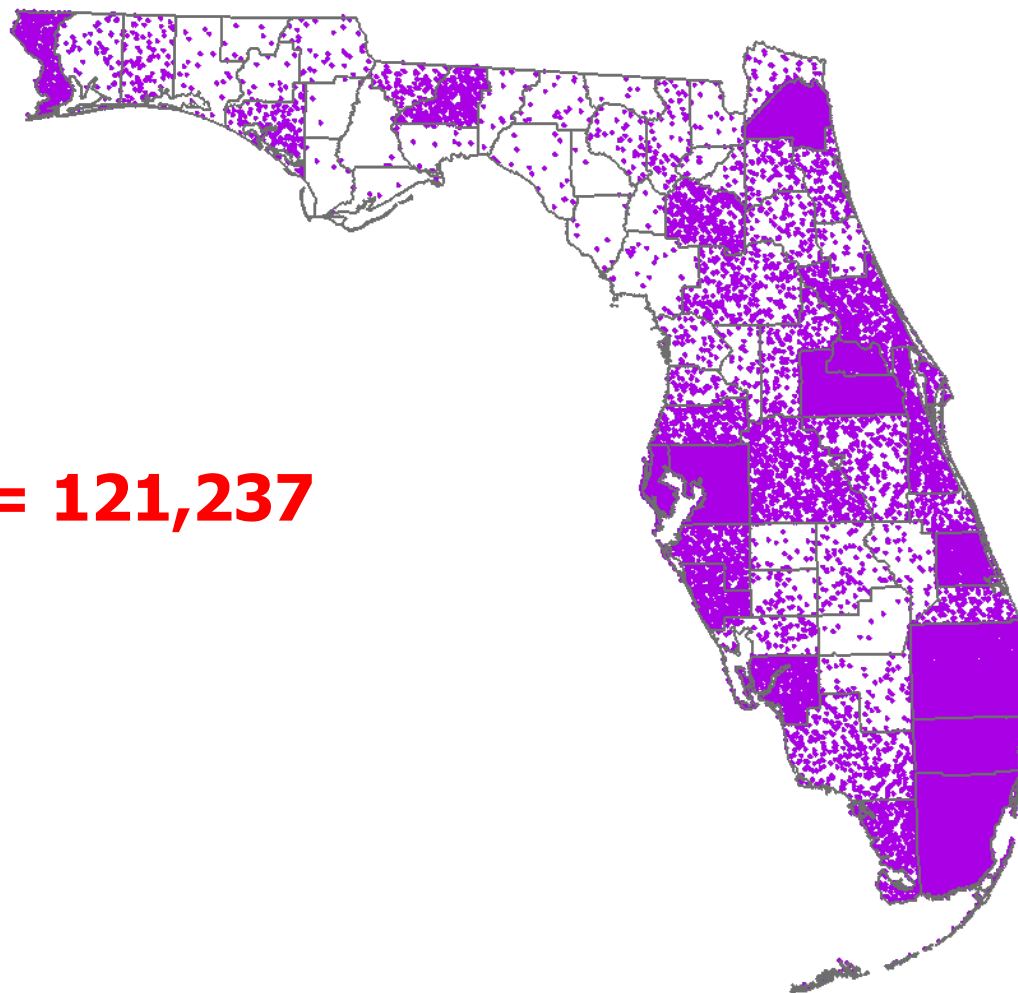
Map excludes Department of Corrections (N=3,740)

Note: 67,875 (67%) are known dead

Data as of 3/31/2015

Diagnosed AIDS Cases Florida, through 2010

N= 121,237



Each dot = 3 cases

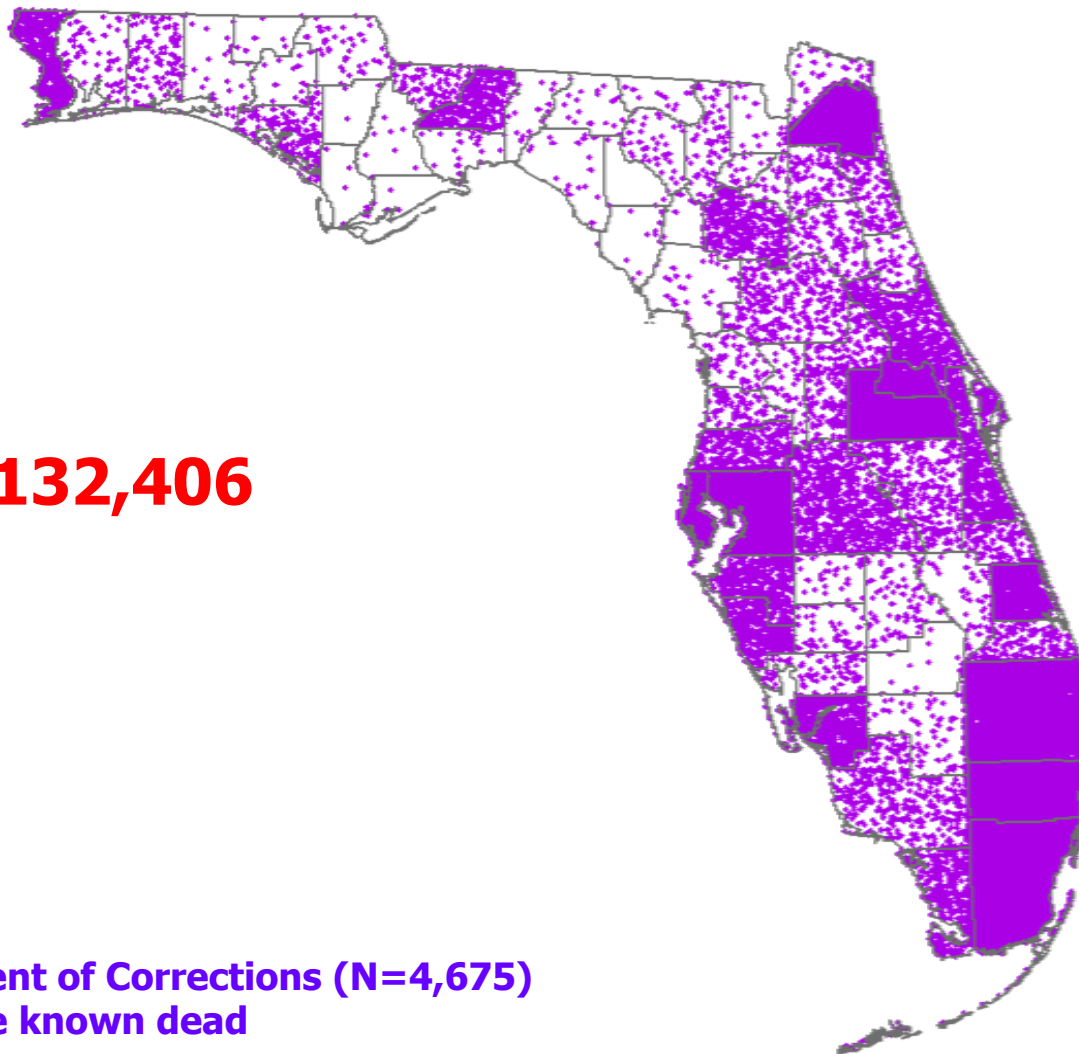
Map excludes Department of Corrections (N=4,440)

Note: 72,664 (60%) are known dead

Data as of 3/31/2015

Diagnosed AIDS Cases Florida, through 2014

N= 132,406



Each dot = 3 cases

Map excludes Department of Corrections (N=4,675)

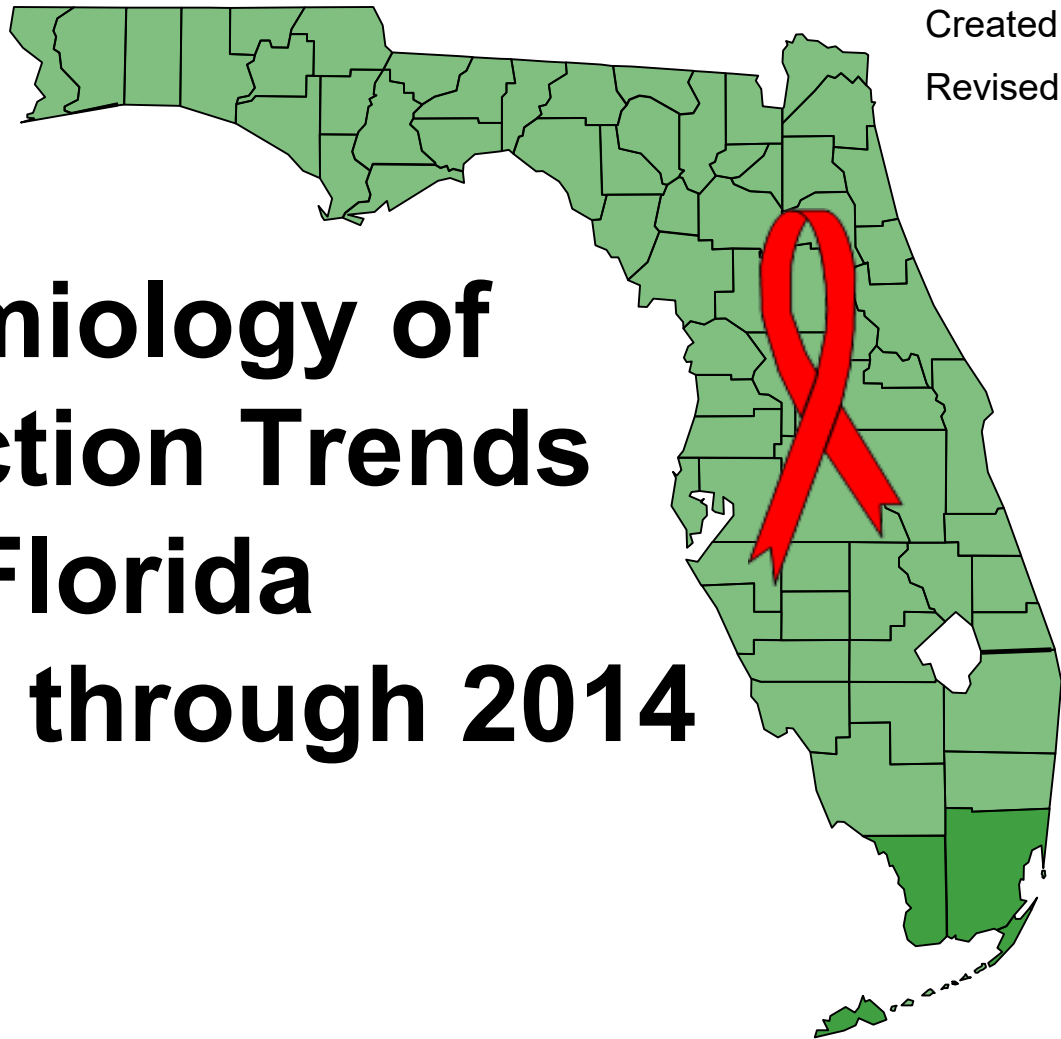
Note: 74,082 (56%) are known dead

Data as of 3/31/2015



Created: 12/15/15

Revised: 03/31/16



Epidemiology of HIV Infection Trends in Florida Diagnosed through 2014

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

**Division of Disease Control and Health Protection
Annual data as of 12/31/2015**

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





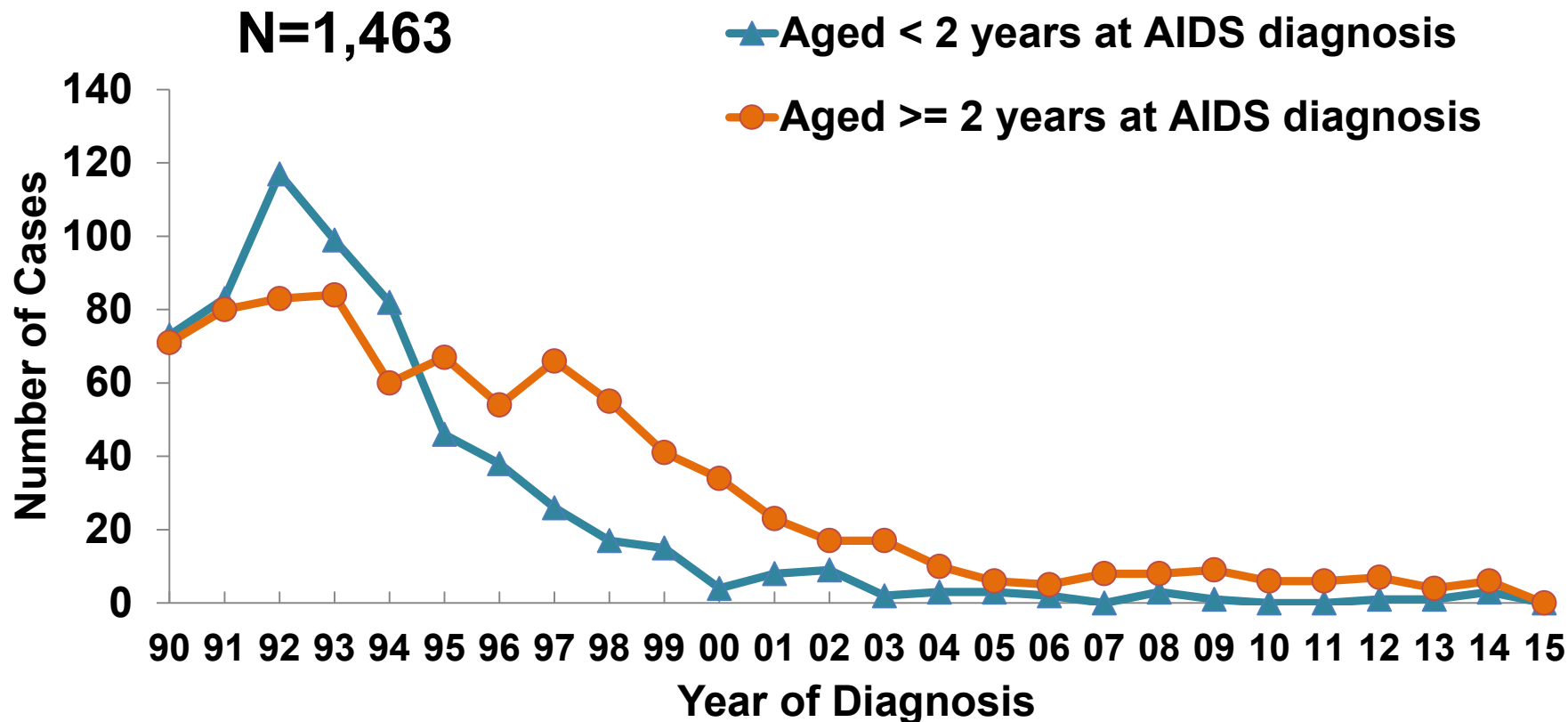
HIV Incidence Estimates, 2007-2012, Florida*

Year	No.	Change From Previous Year	Change From 2007 To 2012
2007	5,026	--	--
2008	5,504	+10%	--
2009	4,491	-18%	--
2010	3,555	-21%	--
2011	4,198	+18%	--
2012	4,147	-1%	-17%

* Florida HIV incidence is calculated using the Centers for Disease Control and Prevention's Stratified Extrapolation Approach. The complex statistical algorithm uses data collected by the HIV Incidence Surveillance unit, which includes STARHS results and data collected on testing and treatment behavior.

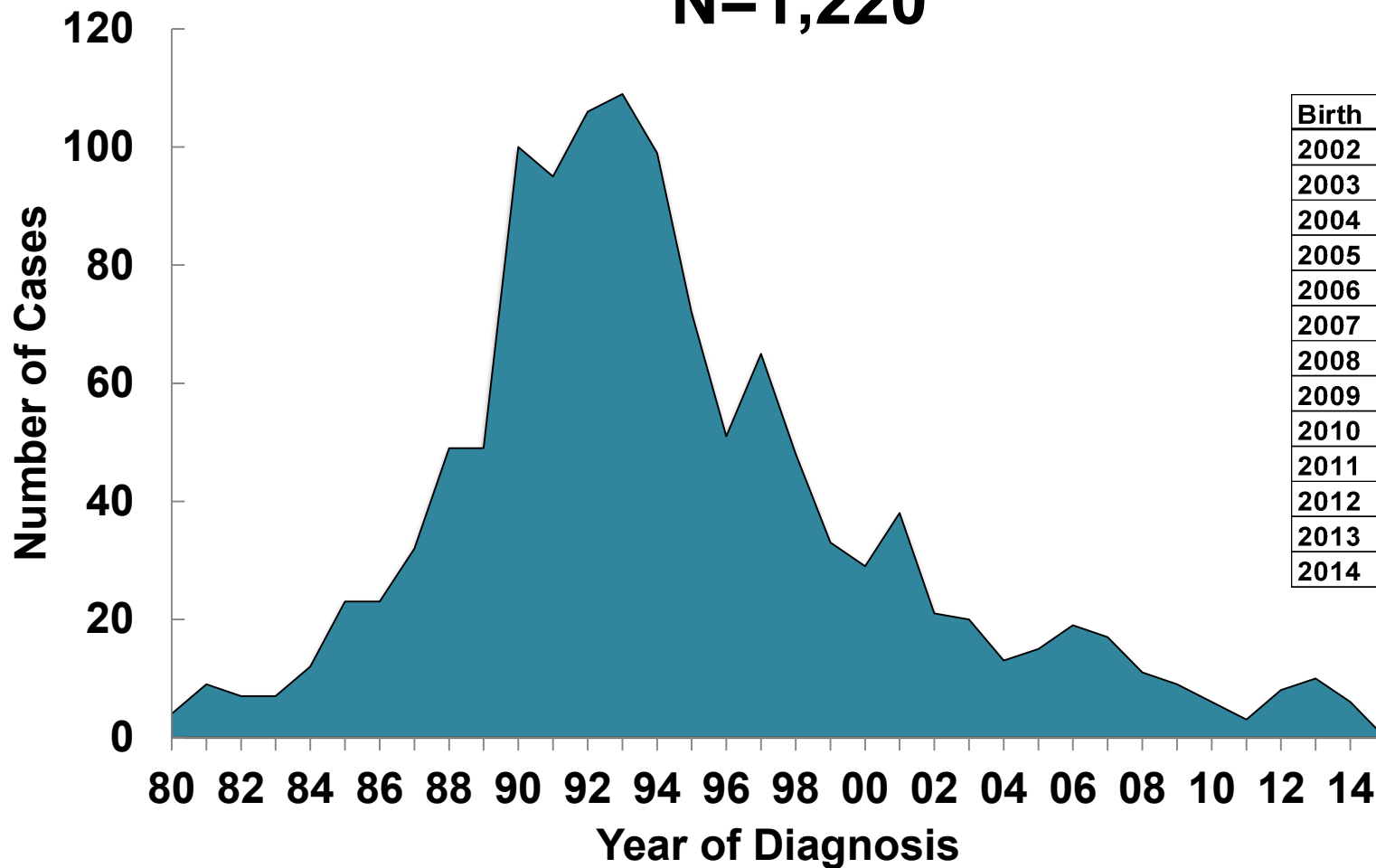


Pediatric AIDS Cases by Age Group at Diagnosis and Year of Diagnosis, 1990-2015, Florida



These data represent an 100% decline in pediatric AIDS cases *by year of diagnosis* from 1992 (N=200) to 2015 (N=0). Due to reporting lags, 2015 data by year of diagnosis are provisional. Data as of 12/31/2015.

Perinatally Acquired HIV Infected Cases, Born in Florida, by Year of Birth, 1979-2014, N=1,220



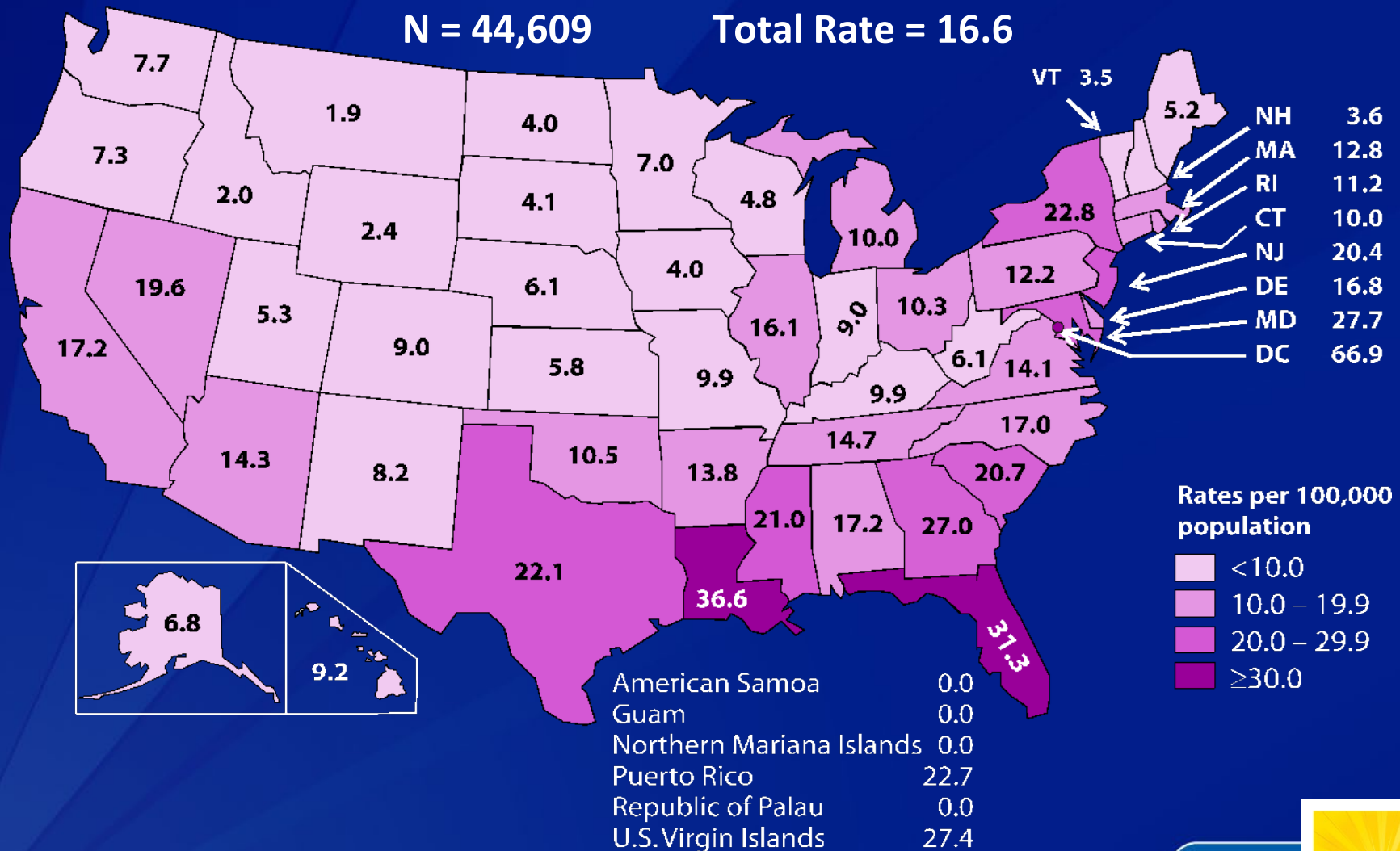
Birth	#	% change
2002	21	
2003	20	-5%
2004	13	-35%
2005	15	15%
2006	19	27%
2007	17	-11%
2008	11	-35%
2009	9	-18%
2010	6	-33%
2011	3	-50%
2012	8	167%
2013	10	25%
2014	6	-40%

Note: These data represent a 95% decline in HIV-perinatally infected births from 1993 (N=109) to 2014 (N=6). These data include ALL perinatally acquired HIV Infection cases BORN in Florida. 2014 data are provisional. One of the babies born in 2014 have developed AIDS. Data as of 06/30/2015.

Rates of Diagnoses of HIV Infection among Adults and Adolescents, 2014—United States and 6 Dependent Areas

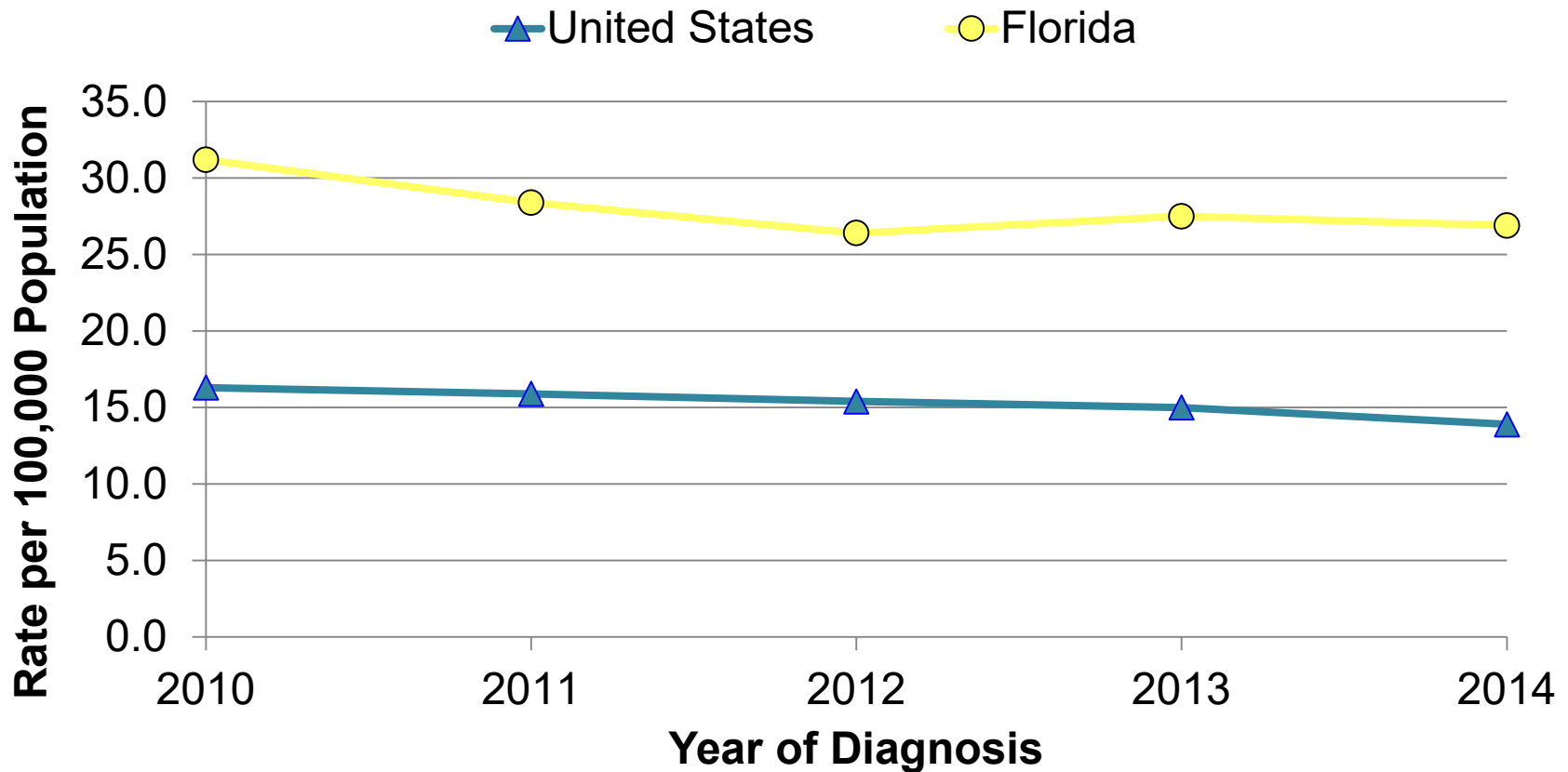
N = 44,609

Total Rate = 16.6



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.

HIV Infection Case Rates Per 100,000 Population by Year of Diagnosis, United States vs. Florida, 2010 – 2014



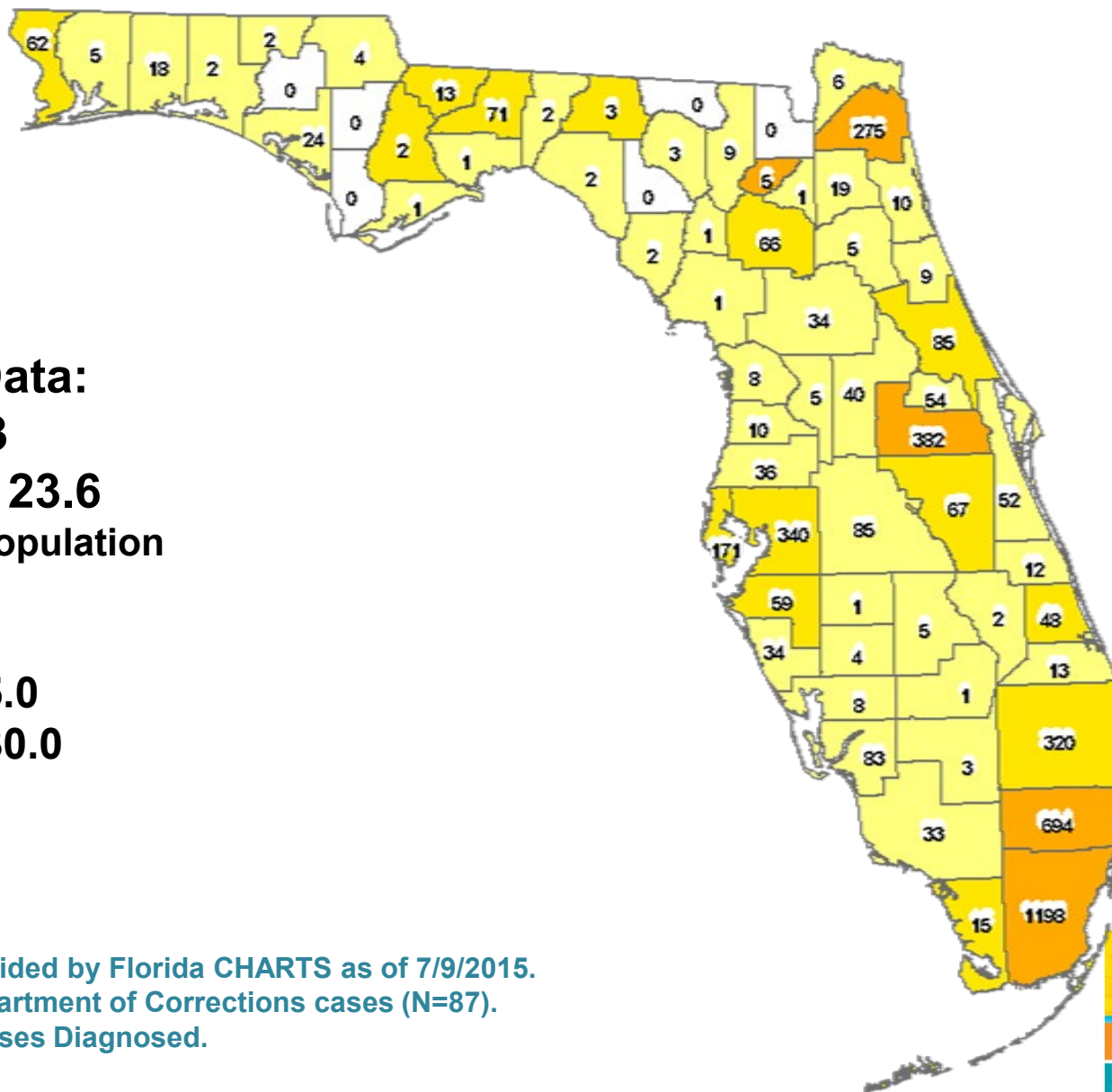
Source: HIV Surveillance Reports, 2010-2014 (Vol. 22-26)

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

Data as of June 30 for each previous calendar year



HIV Infection Case Rates* by County of Residence,** Diagnosed in 2014, Florida



Statewide Data:

N= 4,613

State Rate = 23.6

Rate per 100,000 population

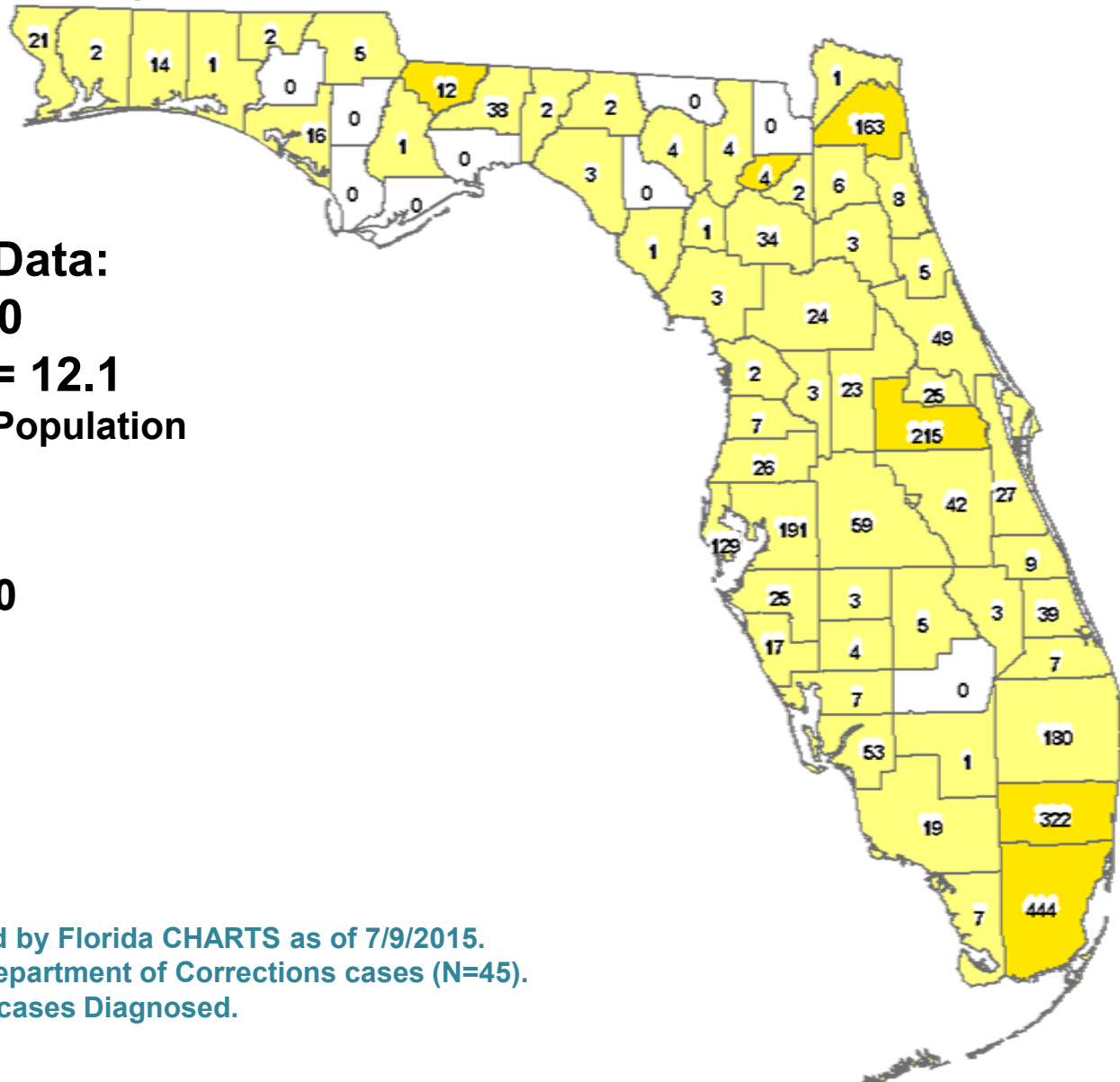


*Population data were provided by Florida CHARTS as of 7/9/2015.

**County totals exclude Department of Corrections cases (N=87).

Numbers on counties are cases Diagnosed.

AIDS Case Rates* by County of Residence,** Diagnosed in 2014, Florida

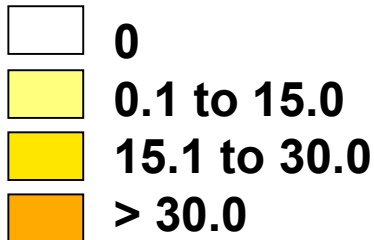


Statewide Data:

N=2,370

State Rate = 12.1

Rate per 100,000 Population



*Population data provided by Florida CHARTS as of 7/9/2015.

**County totals exclude Department of Corrections cases (N=45).

Numbers on counties are cases Diagnosed.

Florida Areas

Area 1

Escambia
Okaloosa
Santa Rosa
Walton

Area 2a

Bay Calhoun
Gulf Holmes Jackson
Washington

Area 2b

Franklin Gadsden Jackson
Jefferson Leon Liberty
Madison Taylor Wakulla

Area 3

Alachua Bradford
Columbia
Dixie Gilchrest Hamilton
Lafayette Levy Putnam
Suwannee Union

Area 4

Baker
Clay
Duval
Nassau
St Johns

Area 5

Pasco
Pinellas

Area 6

Hernando
Hillsborough
Manatee

Area 7

Brevard
Orange
Osceola
Seminole

Area 11a

Dade

Area 8

Charlotte
Glades
Hendry
Lee
DeSoto
Sarasota
Collier

Area 9

Palm Beach

Area 10

Broward

Area 11b

Monroe

Area 13

Citrus
Lake
Marion
Sumter

Area 14

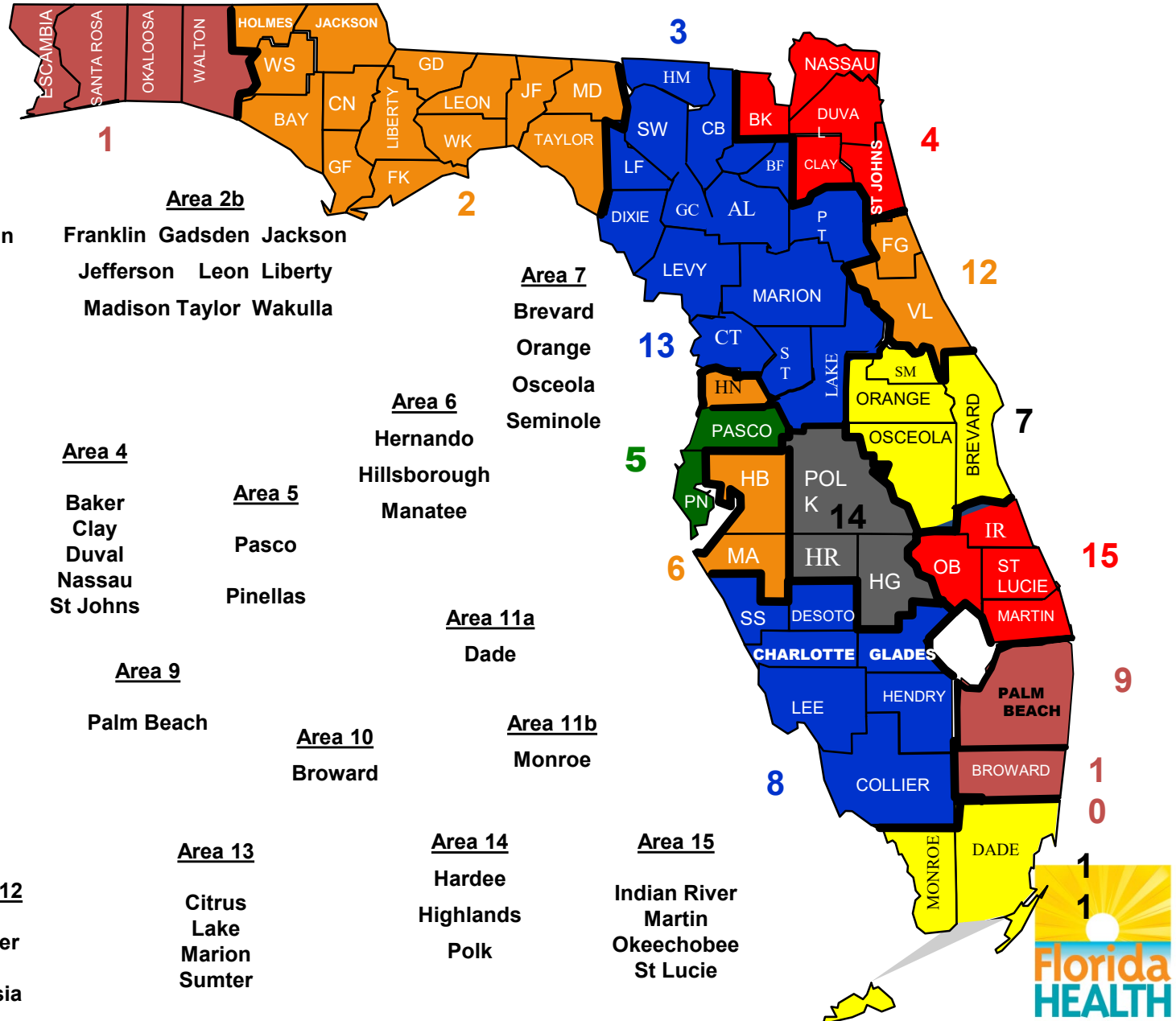
Hardee
Highlands
Polk

Area 15

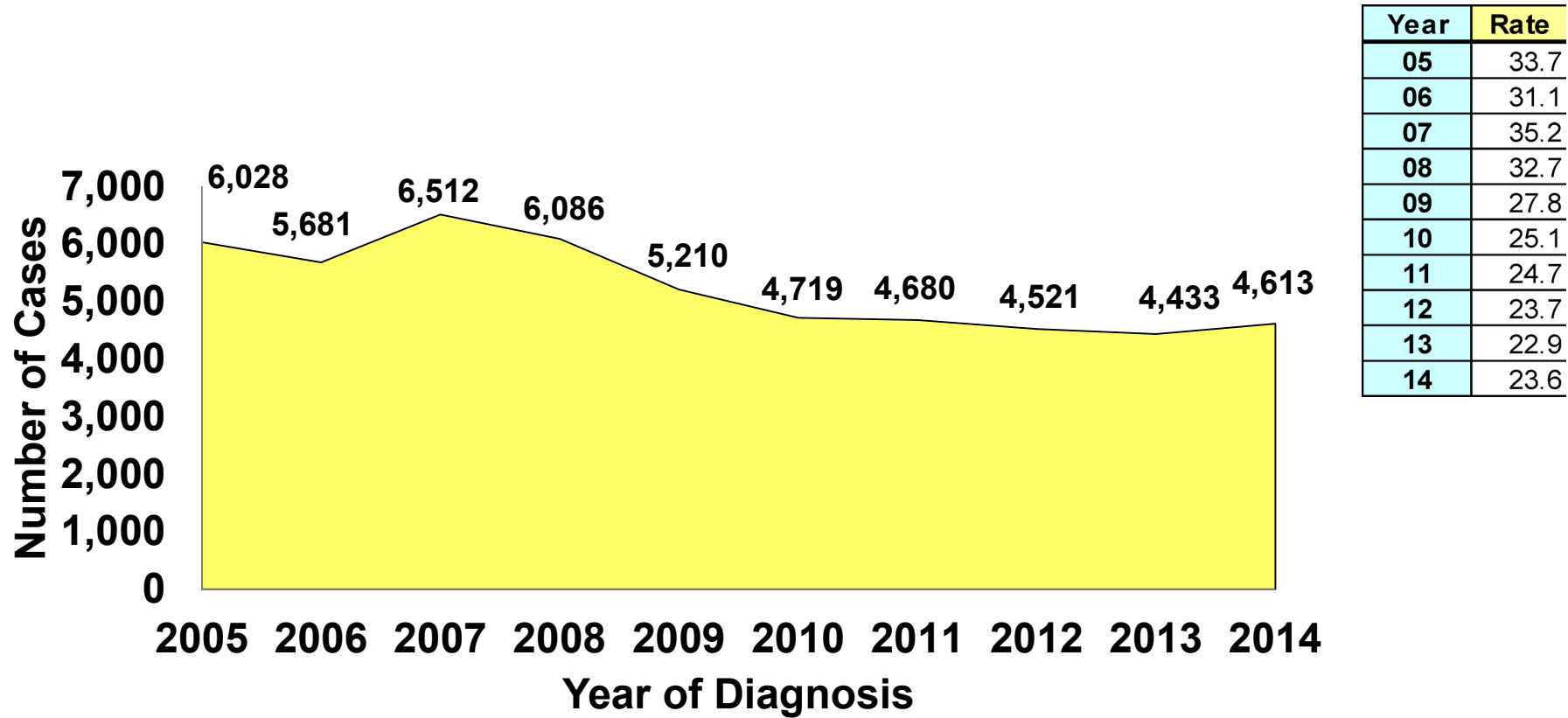
Indian River
Martin
Okeechobee
St Lucie

Area 12

Flagler
Volusia



HIV Infection Cases and Rates*, by Year of Diagnosis, 2005-2014, Florida



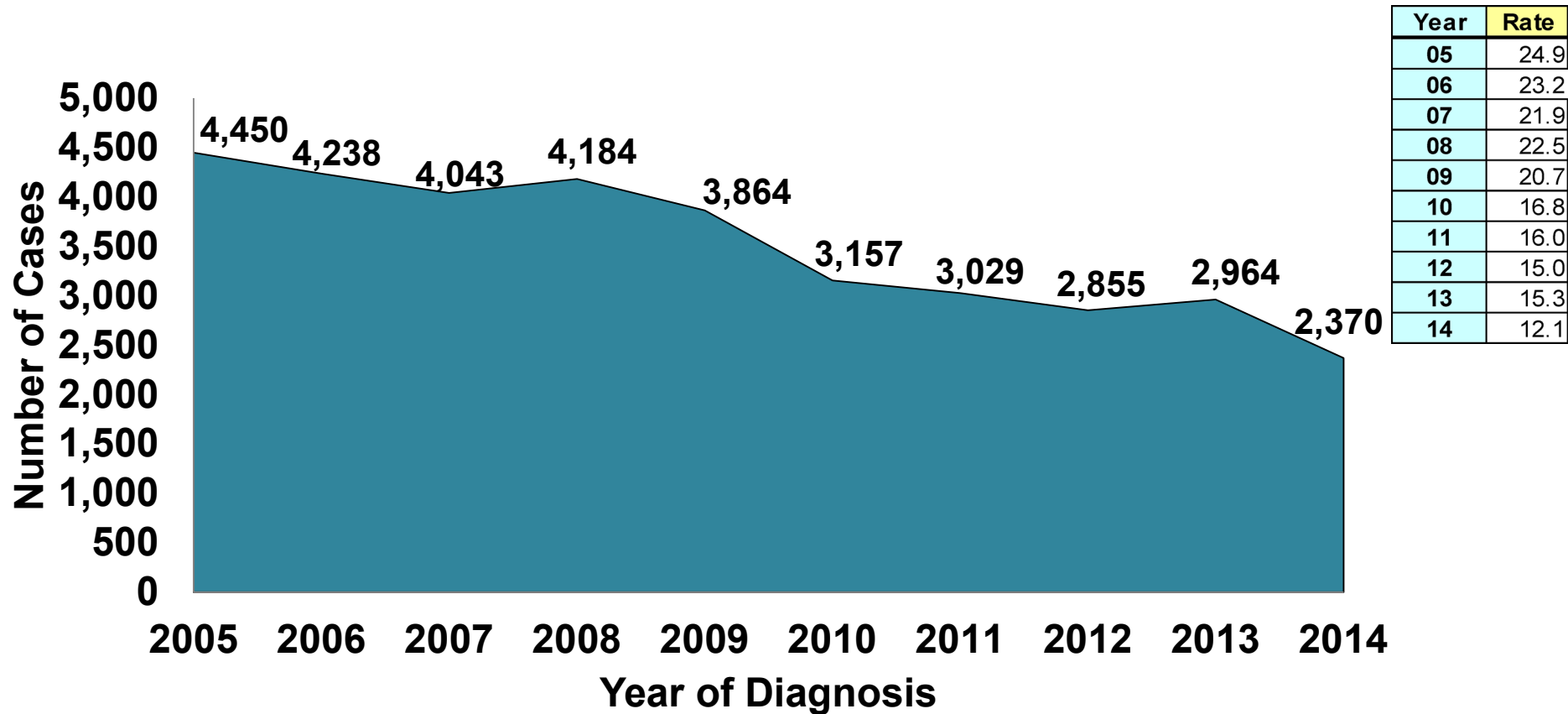
Year	Rate
05	33.7
06	31.1
07	35.2
08	32.7
09	27.8
10	25.1
11	24.7
12	23.7
13	22.9
14	23.6

Note: Enhanced laboratory reporting (ELR) laws in 2006 led to an artificial peak in newly diagnosed cases of HIV infection in 2007. This was followed by a general decline in diagnosed cases through 2012. Another surge in the expansion of ELR in 2013 was followed by another increase in newly diagnosed cases of HIV infection in 2014.

Data source: DOH HIV/AIDS surveillance data as of 12/31/2015



AIDS Cases and Rates*, by Year of Diagnosis, 2005-2014, Florida



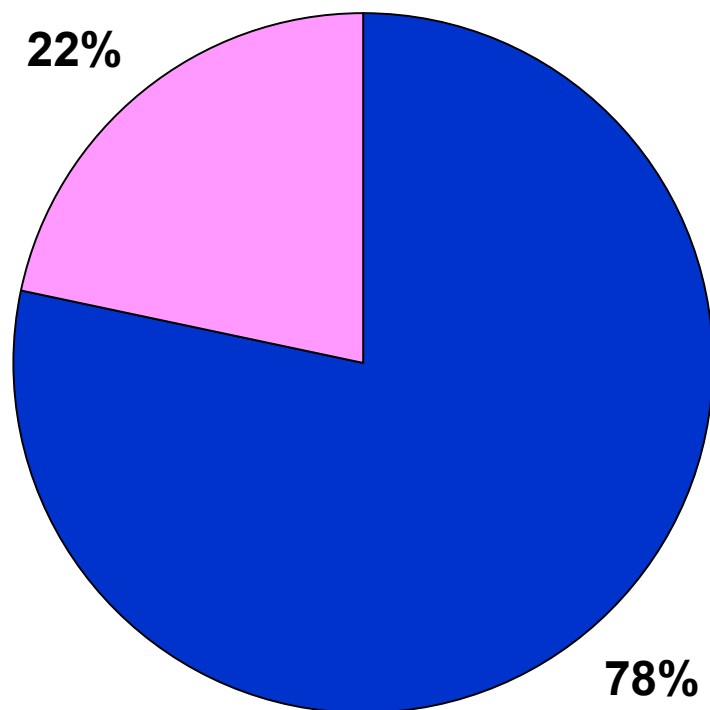
Note: Enhanced laboratory reporting (ELR) laws in 2006 and the expansion of ELR in 2007 led to an artificial peak in newly Diagnosed cases of AIDS in 2008. This was followed by a general decline in Diagnosed cases through 2012. Another surge in the expansion of ELR in 2012 was followed by another increase in newly Diagnosed cases of AIDS in 2013. AIDS cases in 2014 dropped by 20% from the previous year. Expanded efforts to link people and retain people in care may be a contributor to this decrease.

*Source: Population estimates are provided by Florida CHARTS as of 12/16/2015.

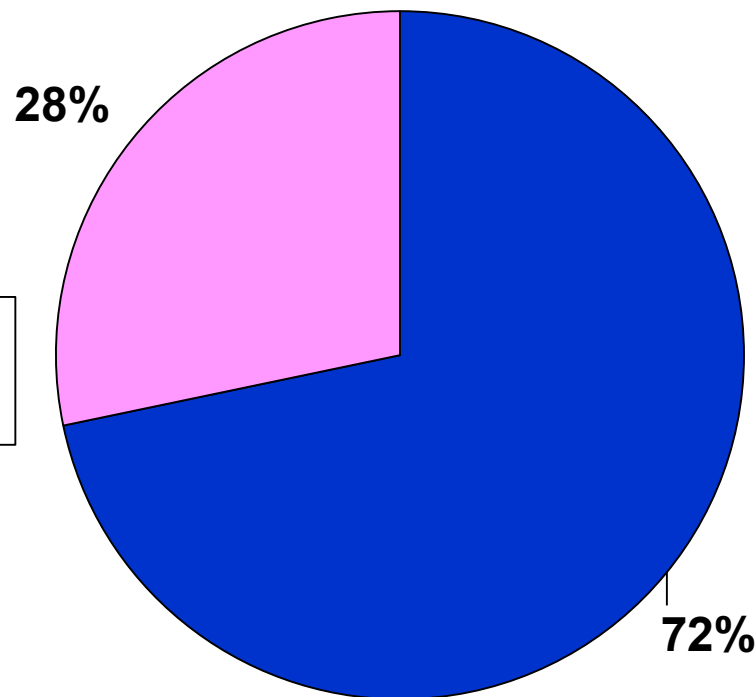


Adult HIV Infection and AIDS Cases, by Sex, Diagnosed in 2014, Florida

HIV Infection
N=4,599



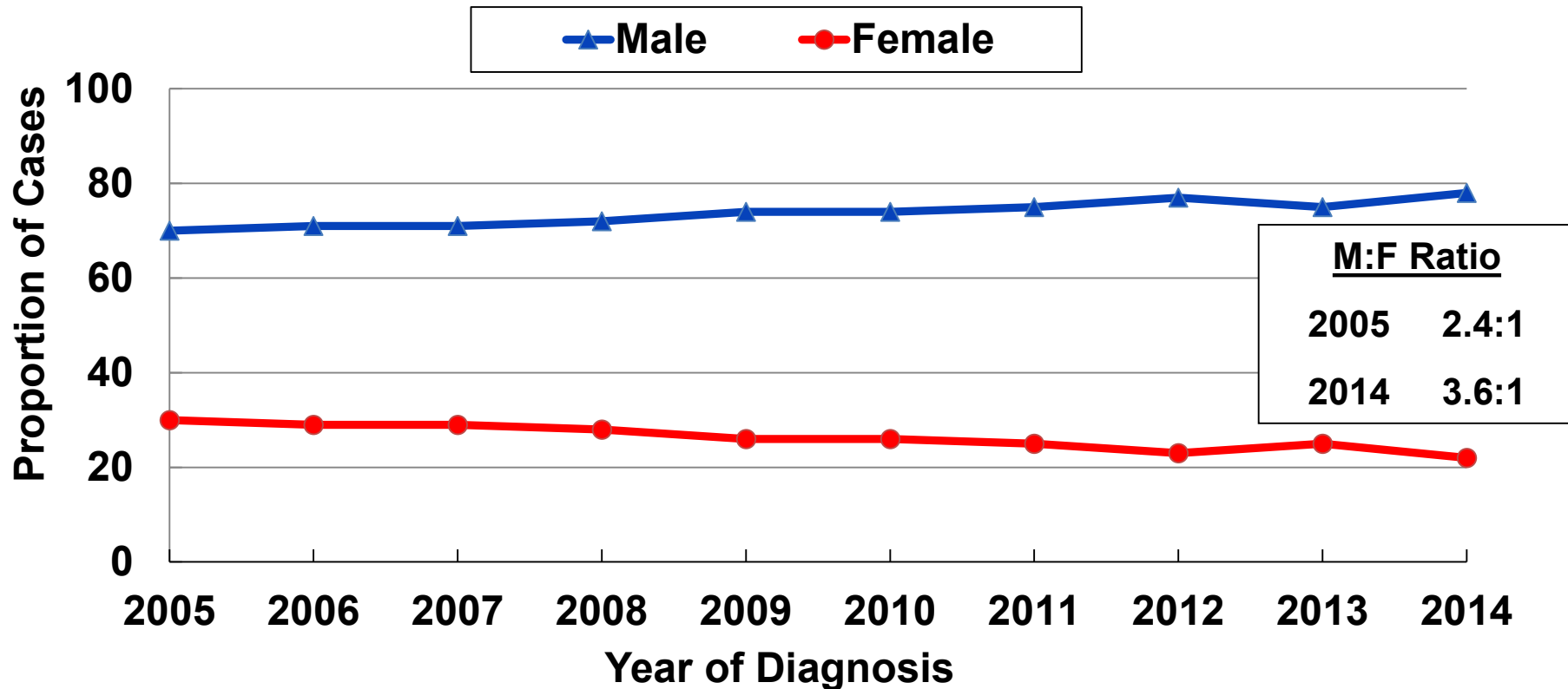
AIDS
N=2,362



■ Male
■ Female

Note: In 2014, a larger proportion of AIDS cases were diagnosed among women compared to the proportion of HIV infection diagnosed among women.

Proportion of Adult HIV Infection Cases, by Sex and Year of Diagnosis, 2005-2014, Florida



Note: In 2014, 78% of the adult HIV infection cases were male, compared to 70% in 2005. Over the past ten years, the proportion of HIV infection cases among men has increased while the proportion among women has decreased. The result is an increase in the male-to-female ratio, from 2.4:1 in 2005 to 3.6:1 in 2014. The relative increase in male HIV cases might be attributed to proportional increases in HIV transmission among men who have sex with men (MSM).

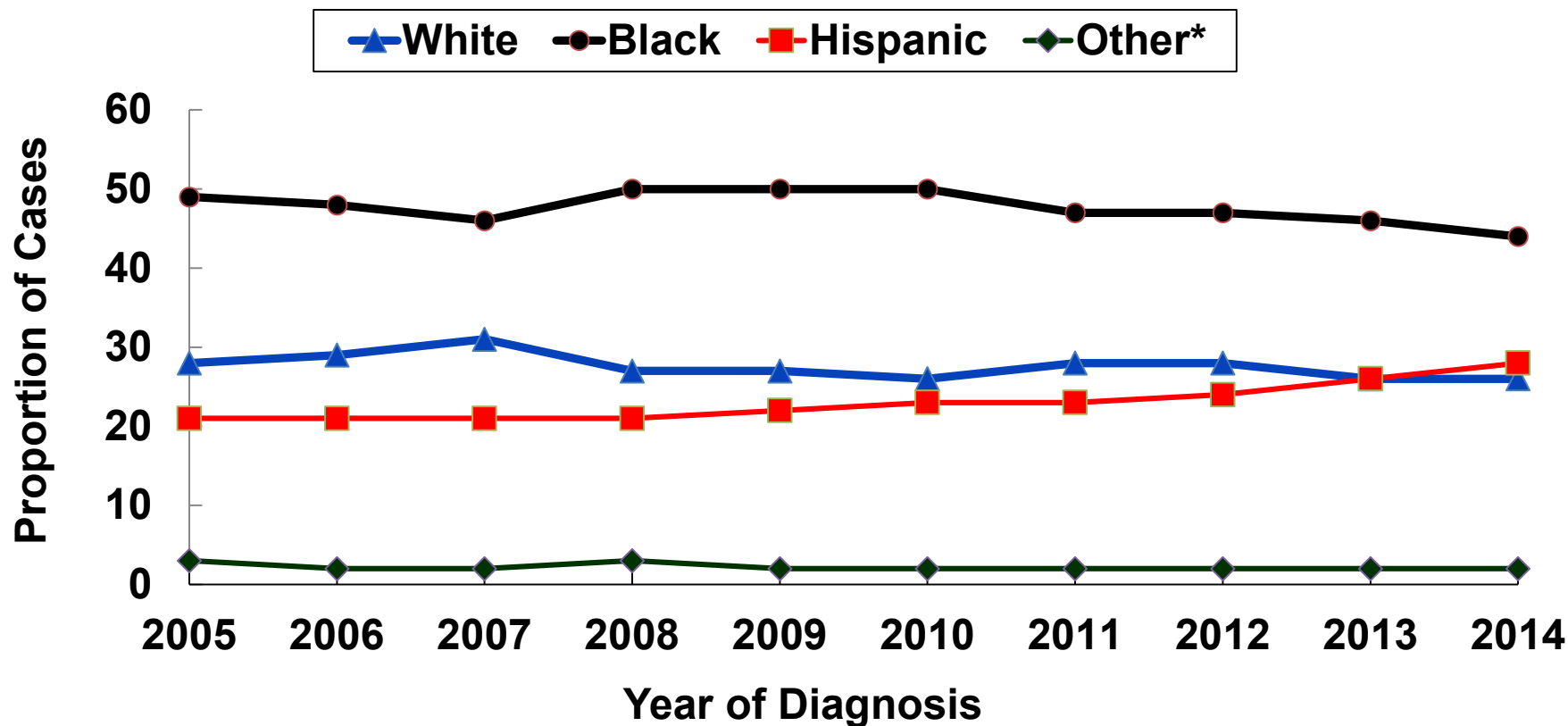


Underlying Factors Affecting HIV/AIDS Disparities

- 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

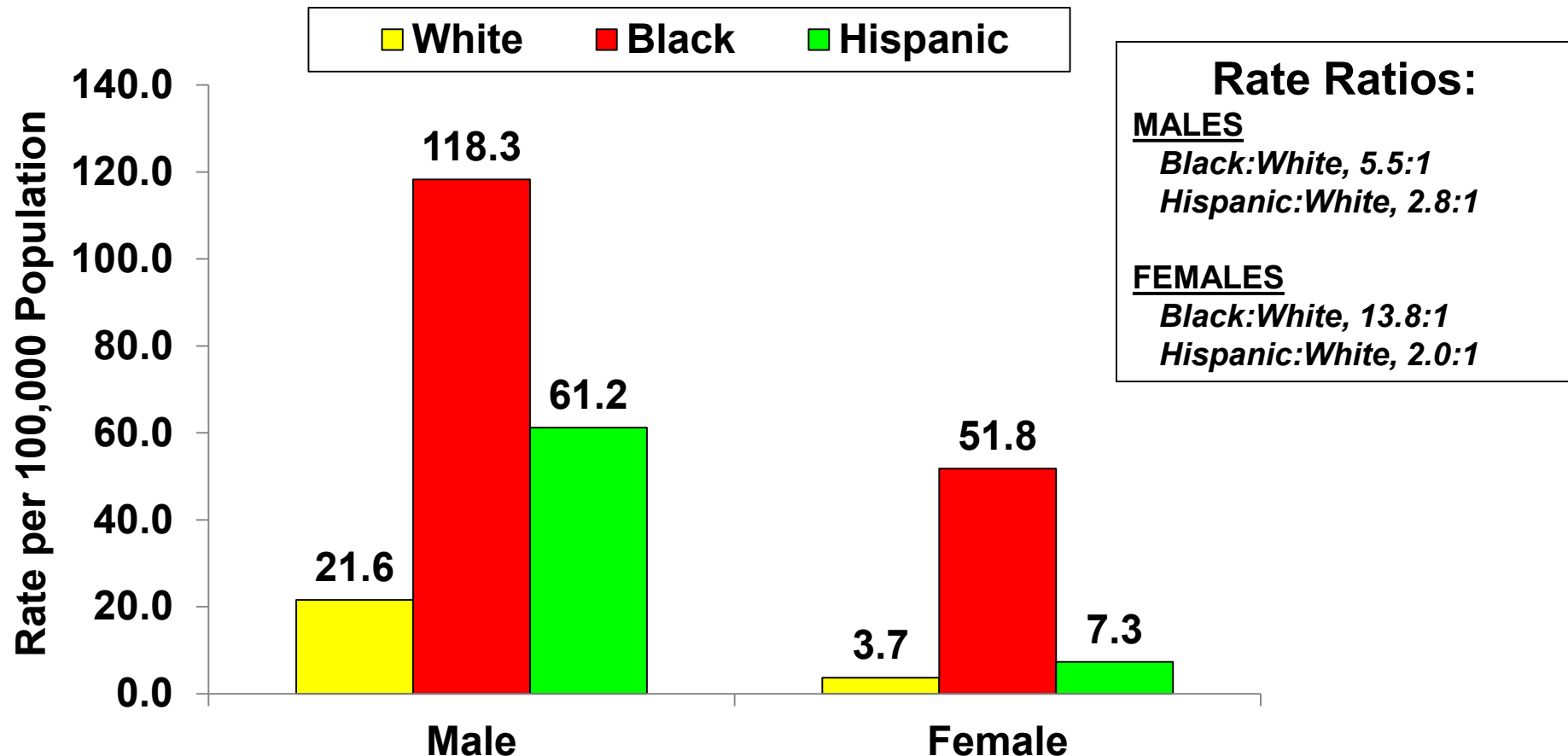
*Factors that HIV/AIDS initiatives can impact.

Proportion of Adult HIV Infection Cases, by Race/Ethnicity, and Year of Diagnosis, 2005-2014, Florida



Note: From 2005 to 2014, the proportion of adult HIV cases among whites and blacks decreased by 2 and 5 percentage points, respectively. In contrast, increases were observed among Hispanics (7 percentage points) over this same time period.

Adult HIV Infection Case Rates* by Sex and Race/Ethnicity, Diagnosed in 2014, 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 2014 is nearly 6 times higher among black men than the rate among white men. Among black women, the HIV case rate is nearly 14-fold greater than the rate among white women. Hispanic male and female HIV case rate is higher than the rate among their white counterparts.

*Source: Population estimates are provided by Florida CHARTS as of 7/9/2015.



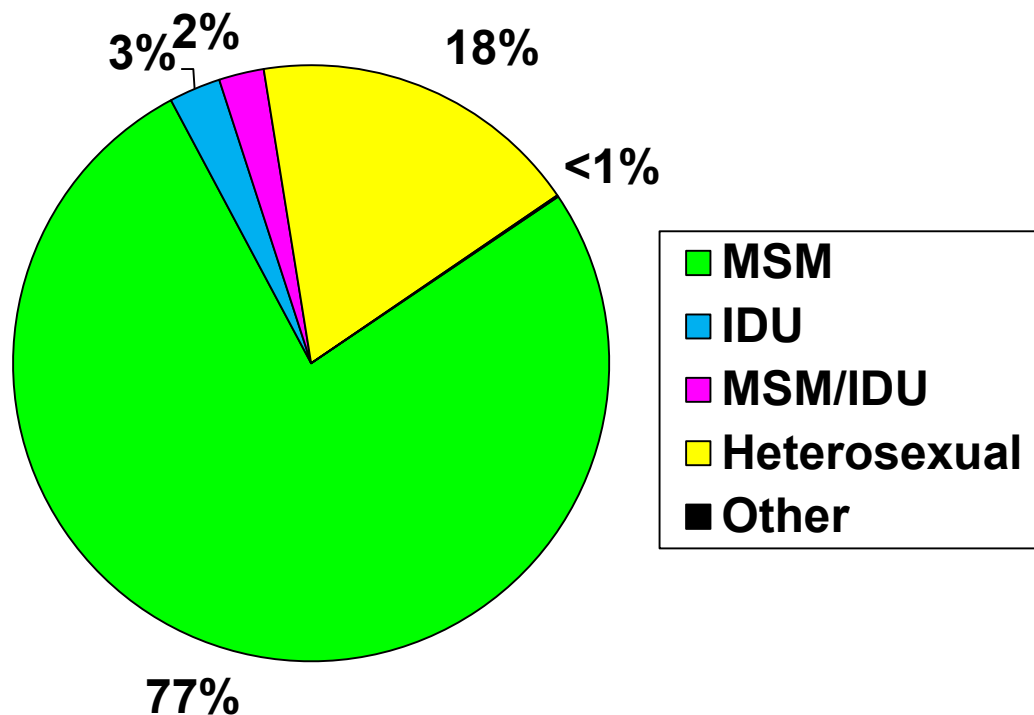
Definitions of Mode of Exposure Categories

- **MSM** = Men who have sex with men or Male-to-male sexual contact with person with HIV/AIDS or known HIV risk
- **IDU** = Injection Drug User
- **MSM/IDU** = Men who have sex with men or Male-to-male sexual contact & Injection Drug User
- **Heterosexual** = Heterosexual contact with person with HIV/AIDS or known HIV risk
- **OTHER** = includes hemophilia, transfusion, perinatal, other pediatric risks and other confirmed risks.
- **NIR** = Cases Diagnosed 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.

Adult Male HIV Infection and AIDS Cases, by Mode of Exposure, Diagnosed in 2014, Florida

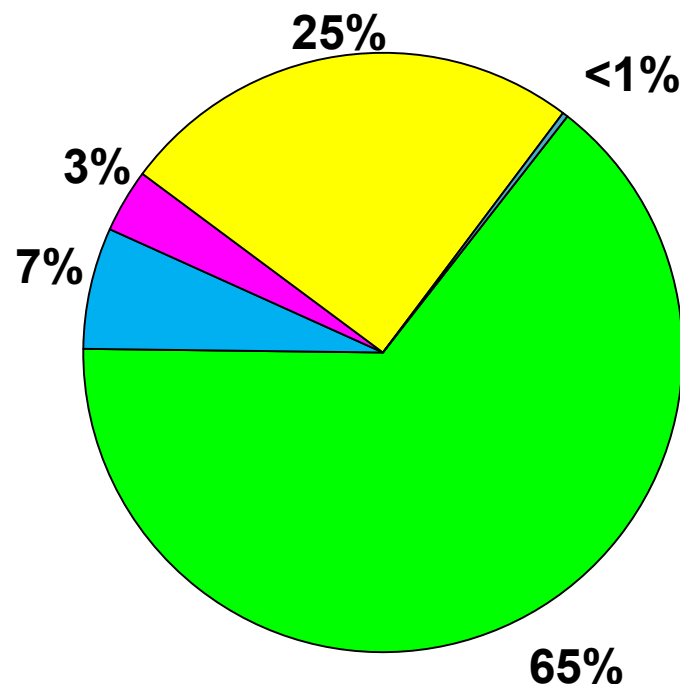
HIV Infection

N=3,602



AIDS

N=1,694

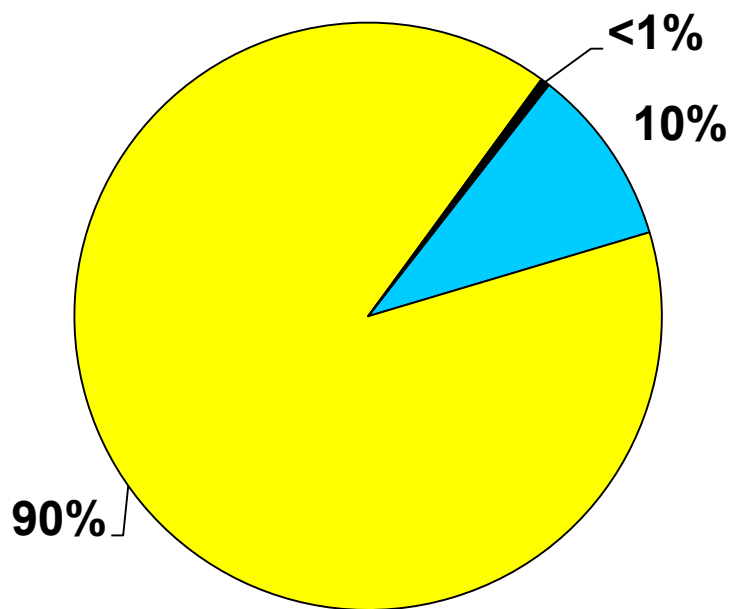


Note: For HIV infection and AIDS cases in men diagnosed in 2014, male-to-male sexual contact (MSM) was the most common risk factor (77% and 65% respectively) followed by cases with a heterosexual risk (18% for HIV and 25% for AIDS). HIV cases tend to represent a more recent picture of the epidemic.

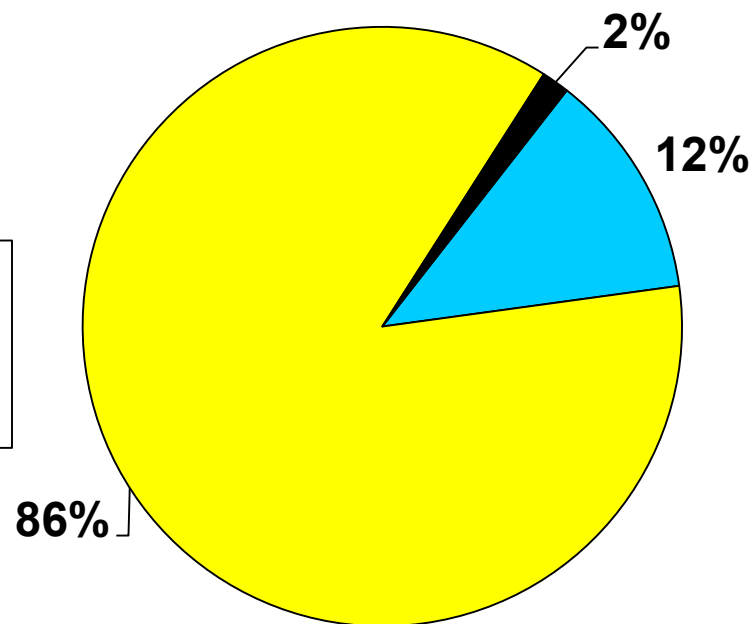


Adult Female HIV Infection and AIDS Cases, by Mode of Exposure, Diagnosed in 2014, Florida

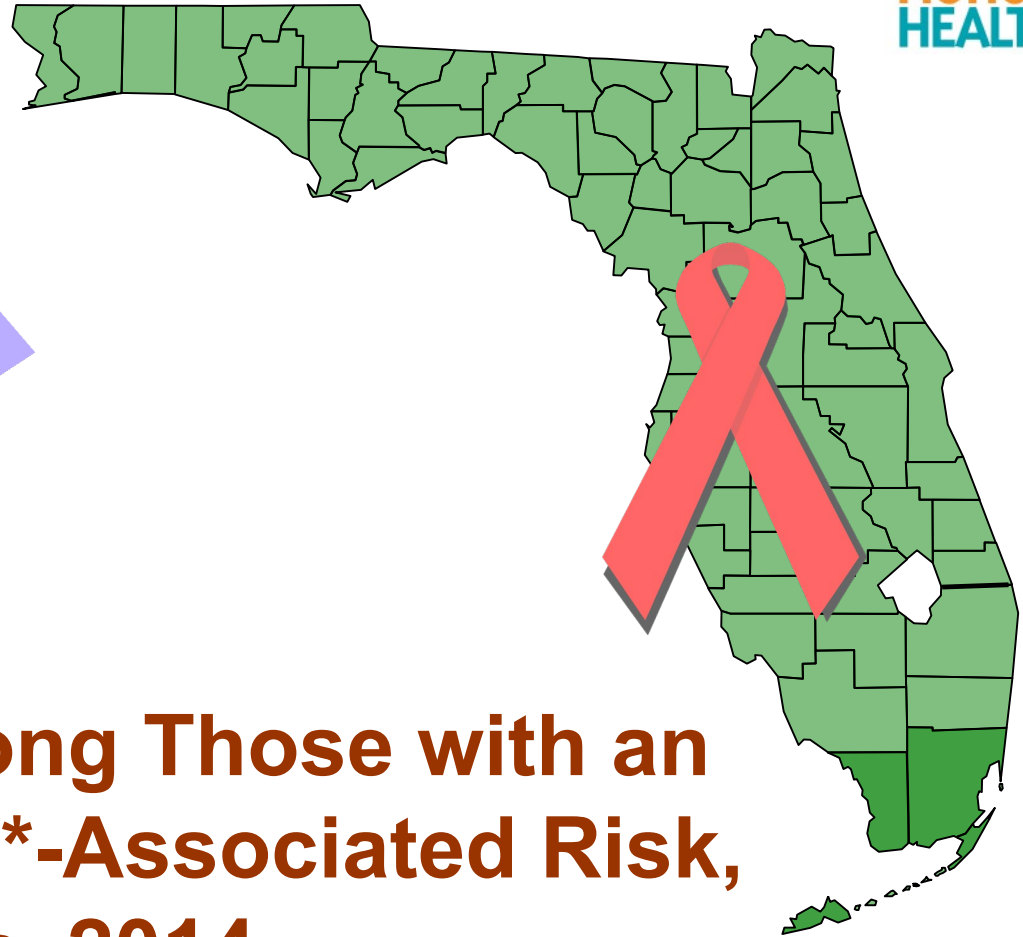
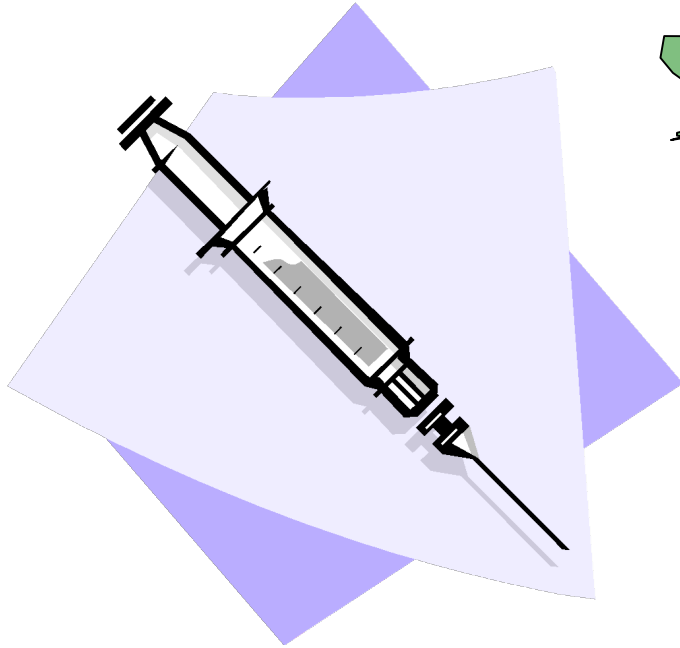
HIV Infection
N=997



AIDS
N=668



Note: Among the female HIV and AIDS cases diagnosed for 2014, heterosexual contact was the highest risk (90% and 86% respectively).



HIV Infection Among Those with an Injection Drug Use*-Associated Risk, Florida, 2014

Florida Department of Health

HIV/AIDS Section

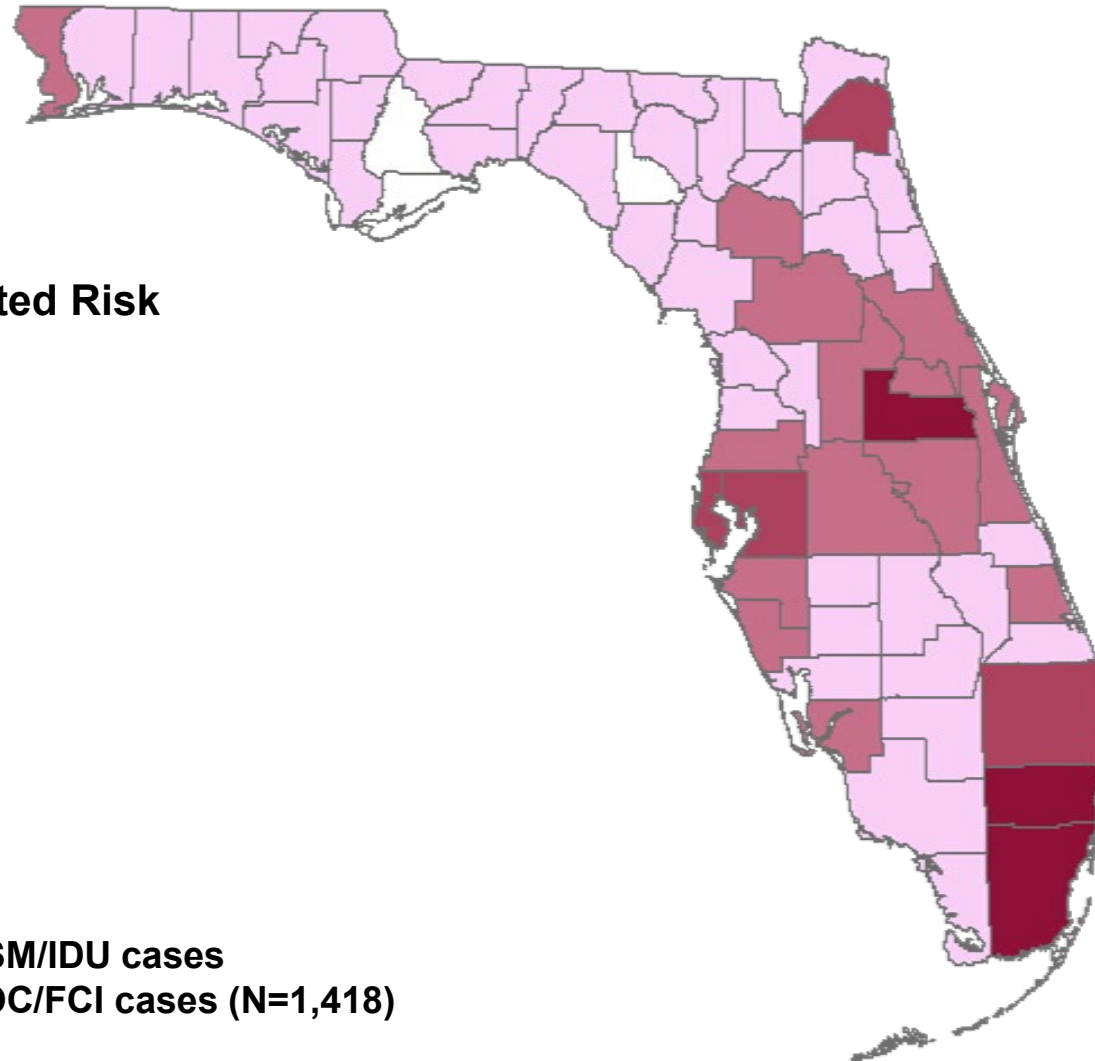
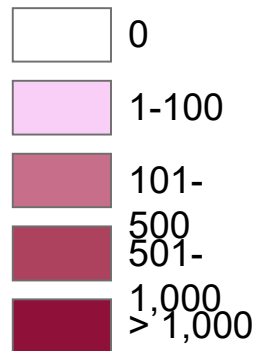
Division of Disease Control and Health Protection

*Injection Drug Use (IDU) data in this slide set include IDU and MSM/IDU cases

Data as of 06/30/2015

**Persons Living with HIV/AIDS (PLWHAs),*
with an Injection Drug Use-Associated Risk,**
by County of Residence,***
Diagnosed through 2014, Florida**

**PLWHAs with IDU-related Risk
N=12,488**



*** Adult Cases Only**

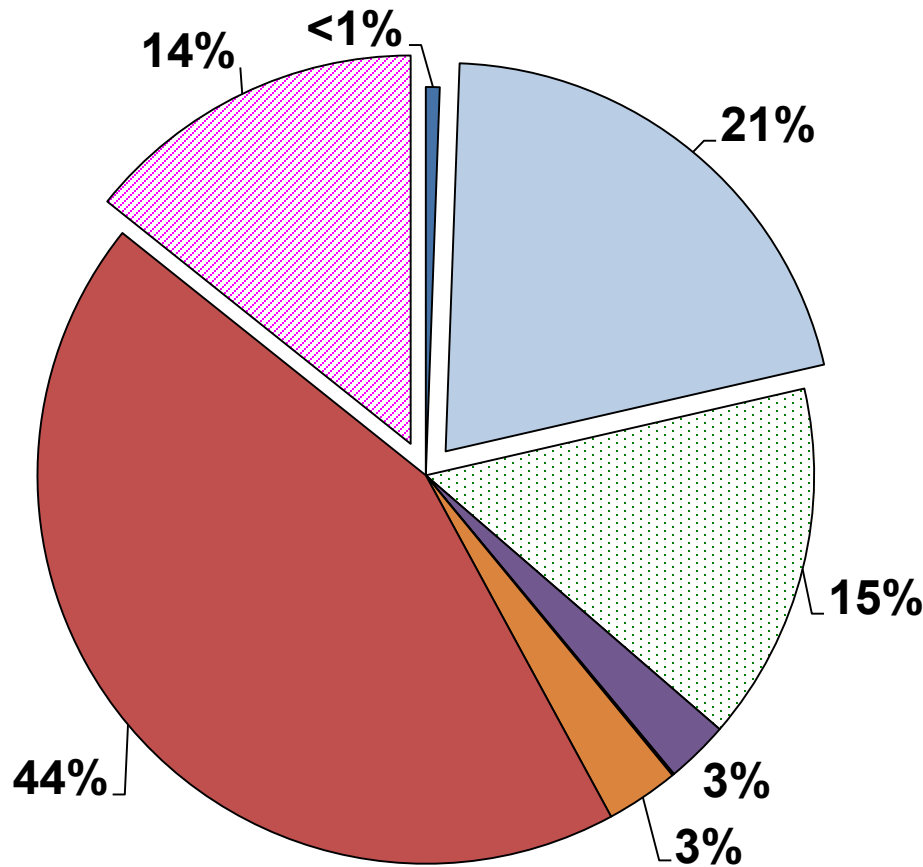
**** IDU includes IDU and MSM/IDU cases**

***** County data excludes DOC/FCI cases (N=1,418)**

Data as of 06/30/2015

Perinately Acquired HIV Infection Cases Born in Florida, by Mother's Mode of Exposure and Year of Birth, 1979 through 2014

N=1,219

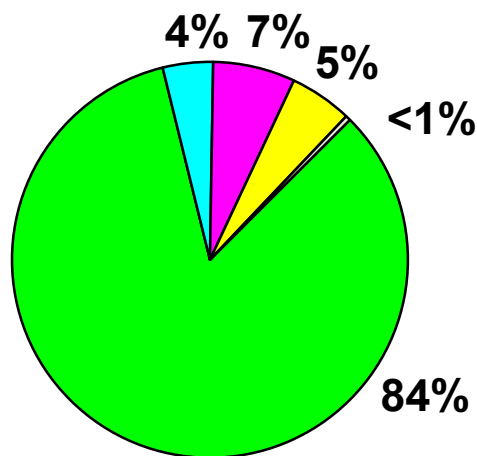


- Mom - Blood Recipient
- Mom - Injection Drug User
- Mom - Non Identifiable Risk
- Mom - Perinatal
- Mom sex w/ blood recipient
- Mom sex w/ man who have sex with men
- Mom sex w/ person w/ HIV/AIDS
- Mom sex with Injection Drug User

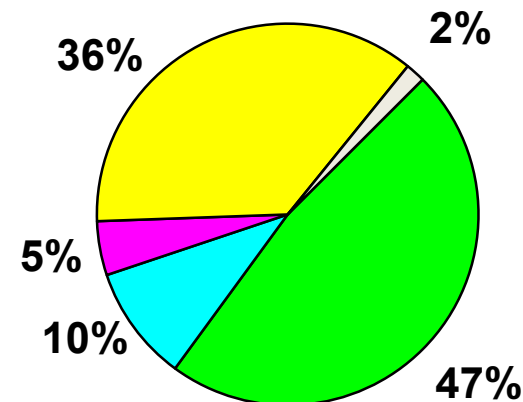
Note: Exploded pieces are IDU-related cases. NIRs are redistributed. Injection drug use directly or indirectly accounts for 35% of the perinately acquired HIV infection cases.

Adult Males Living with HIV Disease by Race/Ethnicity and Mode of Exposure, Diagnosed through 2014, Florida

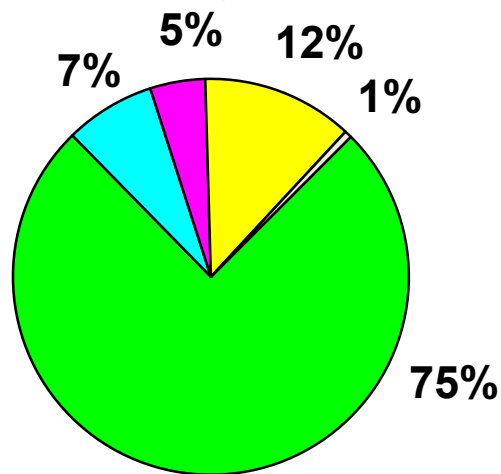
White
N=27,938



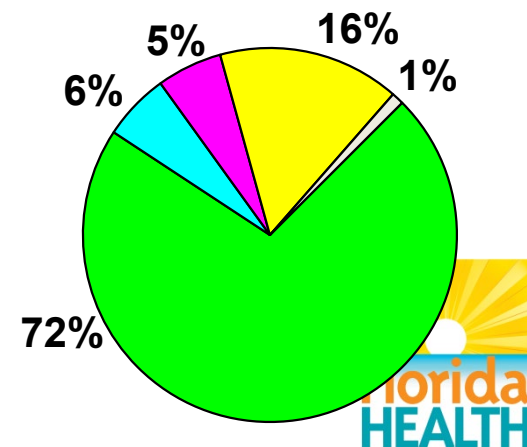
Black
N=30,176



Hispanic
N=19,011



Other*
N=1,519



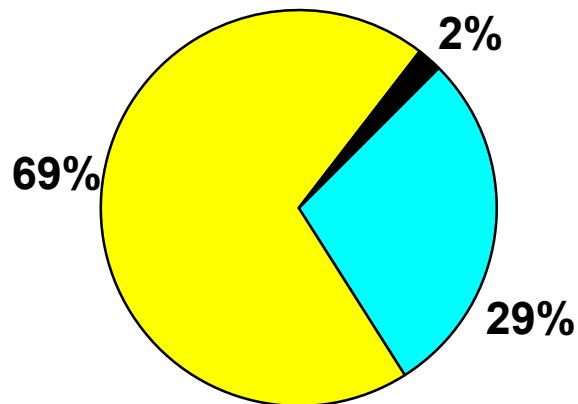
* Other includes Asian/Pacific Islander, Native Alaskan/American Indian and Multi-racial individuals.

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

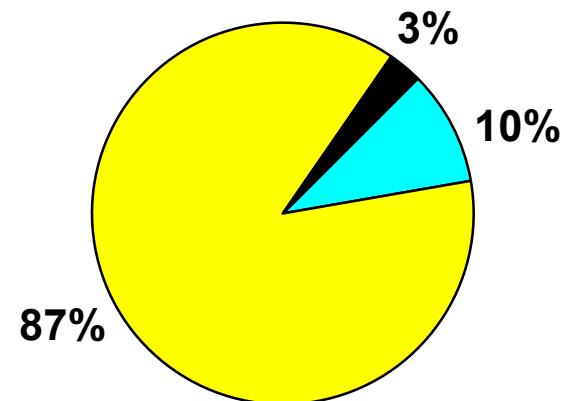
Note: NIRs redistributed.

**Adult Females Living with HIV Disease
by Race/Ethnicity and Mode of Exposure,
Diagnosed through 2014, Florida**

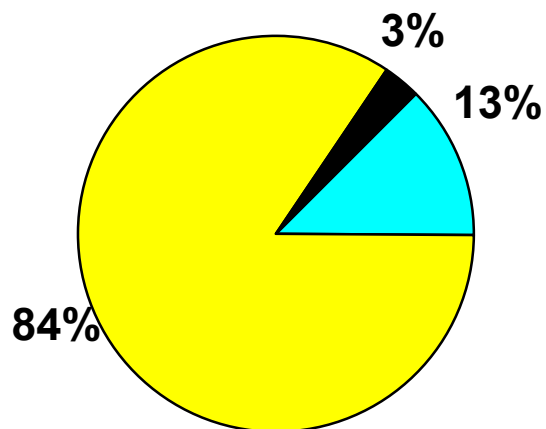
White
N=4,765



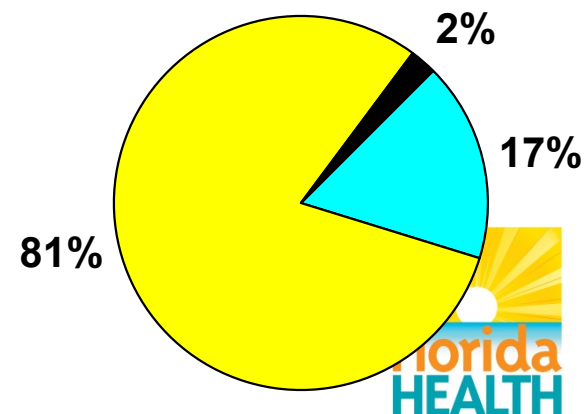
Black
N=21,179



Hispanic
N=4,595



Other*
N=608



* Other includes Asian/Pacific Islander, Native Alaskan/American Indian and Multi-racial individuals.

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

Note: NIRs redistributed.

Adults Living with HIV/AIDS (PLWHA)[§] with an Injection Drug Use-Associated Risk, for Selected Counties, Diagnosed through 2014, Florida

County	Total PLWHA Cases	Total IDU*	Percent IDU	Total Sex w/IDU **	Percent Sex w/IDU
Miami-Dade	26,011	2,403	3%	703	1%
Broward	19,369	1,816	2%	609	1%
Palm Beach	8,004	717	1%	170	<1%
Orange	8,128	1,117	1%	284	<1%
Hillsborough	6,585	895	1%	253	<1%
Duval	5,877	750	1%	227	<1%
Pinellas	4,262	622	1%	257	<1%
Lee	2,071	259	<1%	79	<1%
St. Lucie	1,625	198	<1%	38	<1%
Volusia	1,623	338	<1%	95	<1%
Brevard	1,472	231	<1%	62	<1%
STATE TOTAL***	109,791	13,906	13%	4,199	4%

* Total IDU = IDU Cases + Male-to-male sexual contact (MSM)/IDU + heterosexual sex with IDU + Child of IDU mom

** Sex w/IDU = Male-to-male sexual contact (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), Diagnosed through 2014, Florida

		PLWHA with Total IDU* Risk		PLWHA with Heterosexual Sex Partner with IDU Risk**	
EMA	Total PLWHA	#	%	#	%
Jacksonville	6,629	860	1%	263	<1%
Orlando	11,163	1,606	2%	402	<1%
Tampa/St. Pete	12,142	1,760	2%	593	1%
Palm Beach	8,004	717	1%	170	<1%
Ft. Lauderdale	19,369	1,816	2%	609	1%
Miami-Dade	26,011	2,403	2%	703	1%
STATE TOTAL ***	109,791	13,906	13%	4,199	4%

* 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



[§] Persons Living with HIV/AIDS (PLWHA).

Note: NIRs redistributed.



Selected Substance Abuse among High School Students, by Grade, as captured in the Youth Risk Behavior Survey (YRBS), Florida, 2013

	<u>9th</u>	<u>10th</u>	<u>11th</u>	<u>12th</u>
5+ drinks in a row in past 30 days	10.7%	15.5%	18.0%	23.5%
Marijuana use in past 30 days	15.4%	21.6%	23.1%	27.9%
Cocaine use (any) ever	4.7%	5.6%	5.9%	6.7%

Note: Two-stage Random Sample of 6,089 High School Students. Data is current as of 9/4/2015.
For more details on Florida YRBS, go to:
<http://www.floridahealth.gov/statistics-and-data/survey-data/youth-risk-behavior-survey/reports/index.html>





Selected Substance Abuse among High School Students, by Race/Ethnicity, as captured in the Youth Risk Behavior Survey (YRBS) Florida, 2013

	<u><i>Total</i></u>	<u><i>White</i></u>	<u><i>Black</i></u>	<u><i>Hispanic</i></u>
5+ drinks in a row in past 30 days	16.7%	19.9%	6.8%	18.7%
Marijuana use in past 30 days	21.8%	22.3%	18.3%	23.6%
Cocaine use (any) ever	5.9%	6.2%	2.9%	6.9%

Note: Two-stage Random Sample of 6,089 High School Students. Data is current as of 9/4/2015.
For more details on Florida YRBS, go to:
<http://www.floridahealth.gov/statistics-and-data/survey-data/youth-risk-behavior-survey/index.html>

