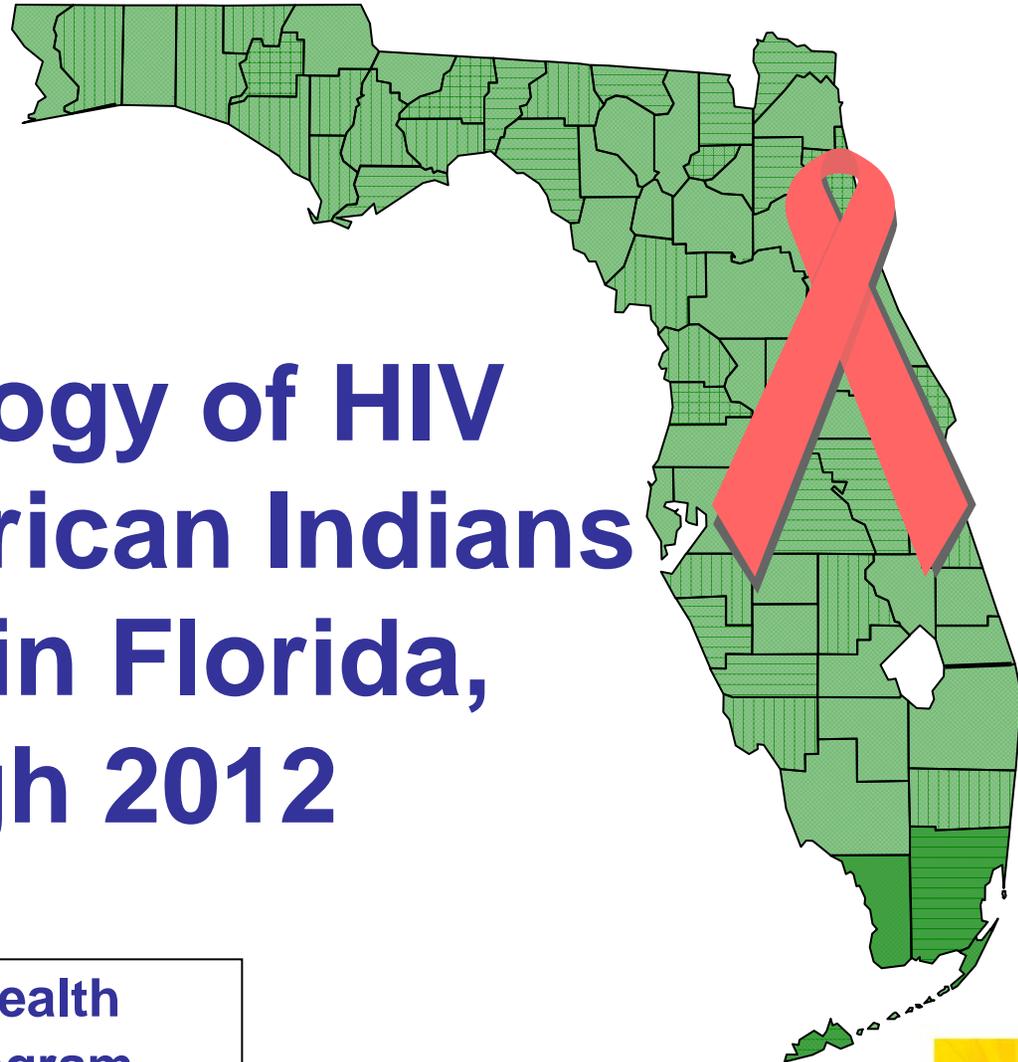




Created: 12/21/12

Revision: 04/11/13



Epidemiology of HIV among American Indians Reported in Florida, Through 2012

Florida Department of Health
HIV/AIDS & Hepatitis Program
Annual data trends as of 12/31/2012
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.**
- ⦿ **Data for American Indians include Alaskan Natives.**

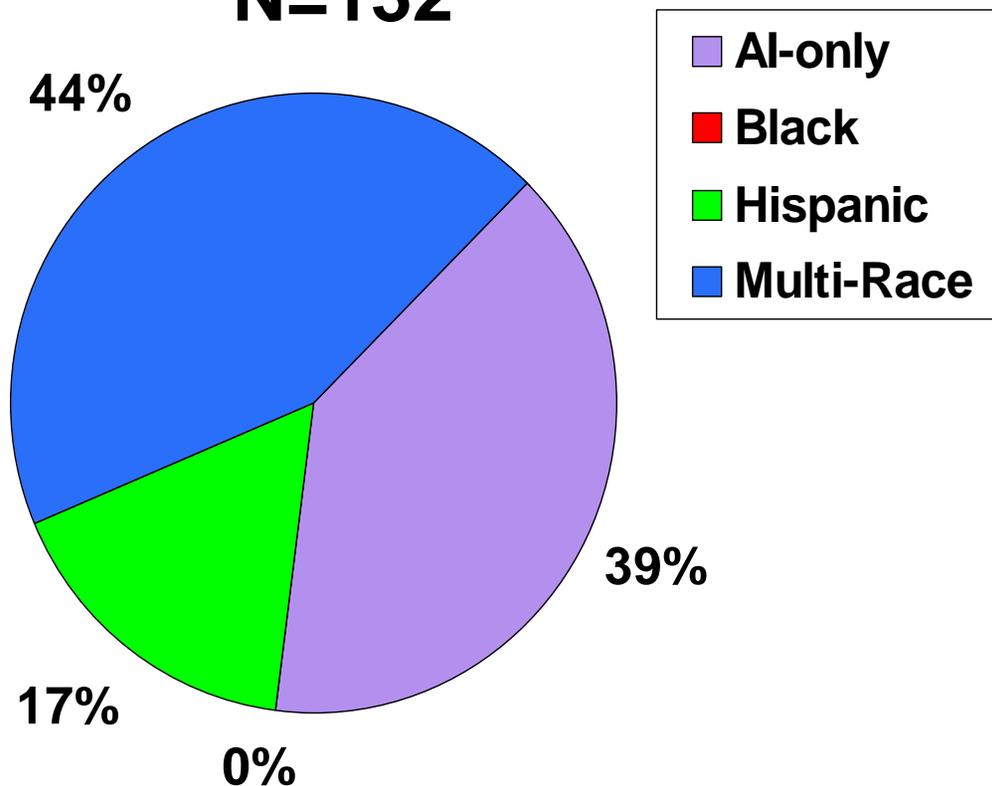
Selected slides from the Florida HIV Trends Slide Set, see site below for entire set.
http://www.doh.state.fl.us/disease_ctrl/aids/trends/slides/slides.html



HIV and AIDS Cases among American Indians, by Racial/Ethnic Background Reported through 2012, Florida

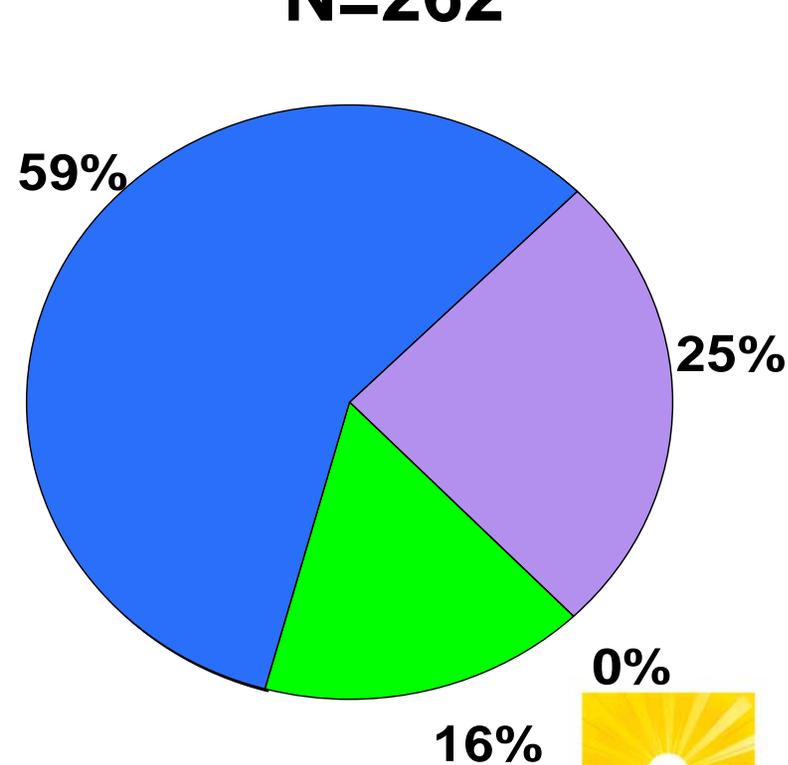
HIV (not AIDS)

N=132



AIDS

N=262



Note: The majority of American Indian AIDS and HIV cases have a mixed racial/ethnic background.

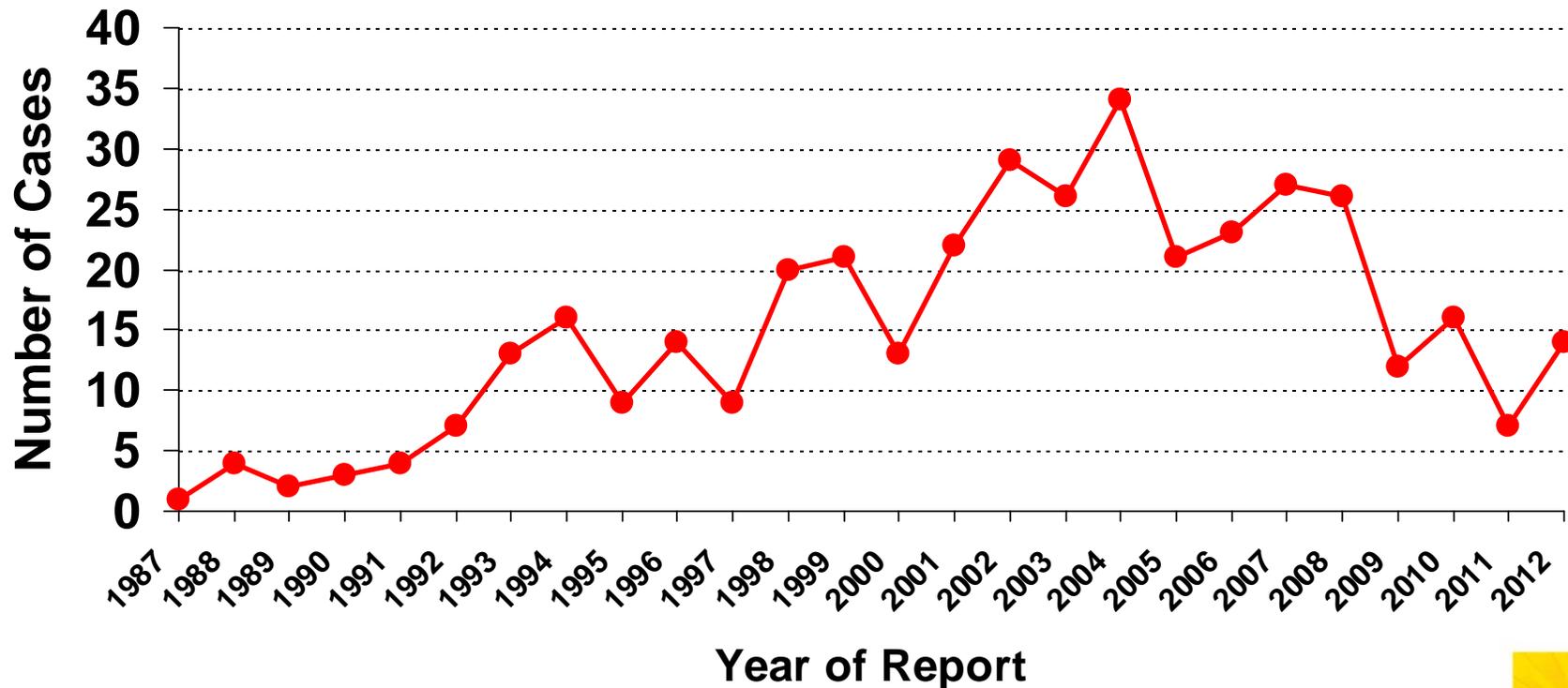


HIV Disease Cases among American Indians, by Country of Birth, Reported through 2012, Florida

Country of Birth	#	%
United States	308	88%
Guatemala	10	3%
Haiti	8	2%
Mexico	7	2%
Unknown	16	5%
TOTAL	349	100%



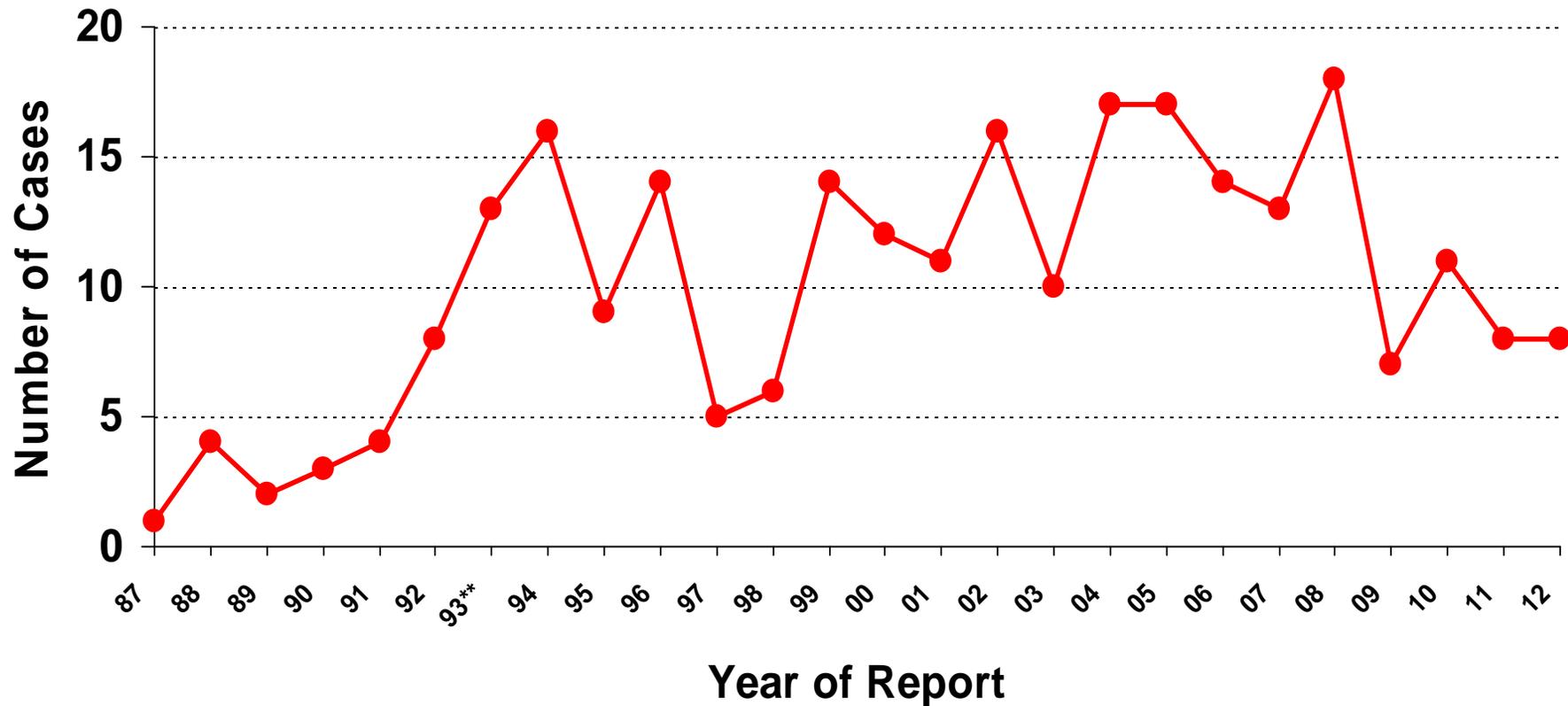
Adult HIV Infection Cases among American Indians, by Year of Report, 1987*- 2012, Florida



*The first case of HIV Infection among American Indians was reported in 1987. Enhanced reporting laws were implemented in Nov. 2006, and the expansion of electronic lab reporting in 2007 led to an artificial peak in HIV cases in 2007 and 2008 followed by an artificial decrease in 2009.



Adult AIDS Cases among American Indians, by Year of Report, 1987*- 2012, Florida



*The first case of AIDS among American Indians was reported in 1987.

**The AIDS surveillance case definition was expanded for adults/adolescents in 1993.

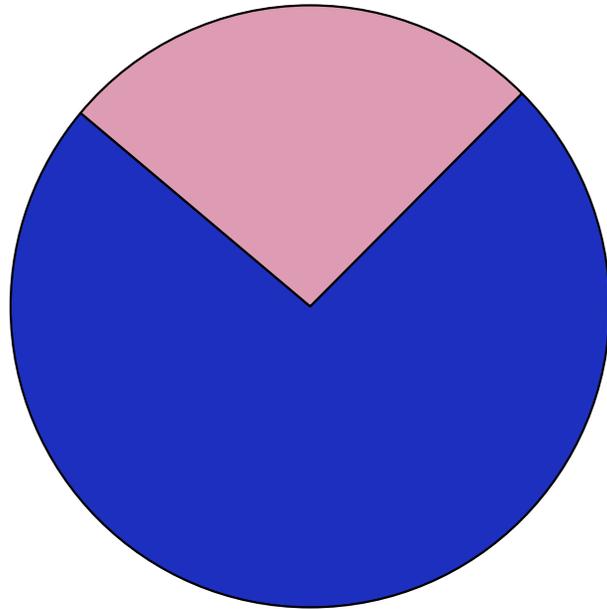
Enhanced reporting laws were implemented in Nov. 2006, and the expansion of electronic lab reporting in 2007 led to an artificial peak in HIV cases in 2007 and 2008 followed by an artificial decrease in 2009.



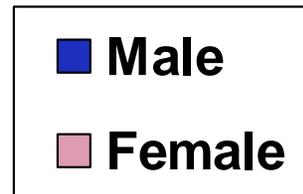
Adult HIV and AIDS Cases among American Indians, by Sex, Reported Through 2012, Florida

HIV (not AIDS) Cases
N=132

27%

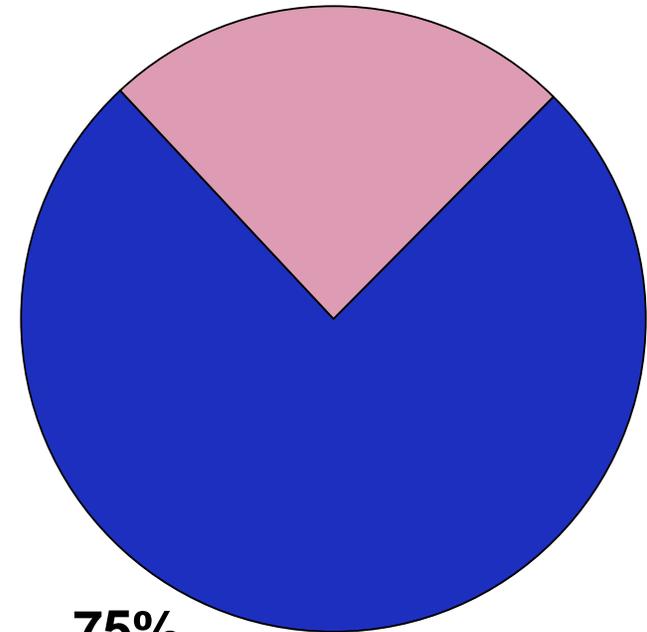


73%



AIDS Cases
N=261

25%

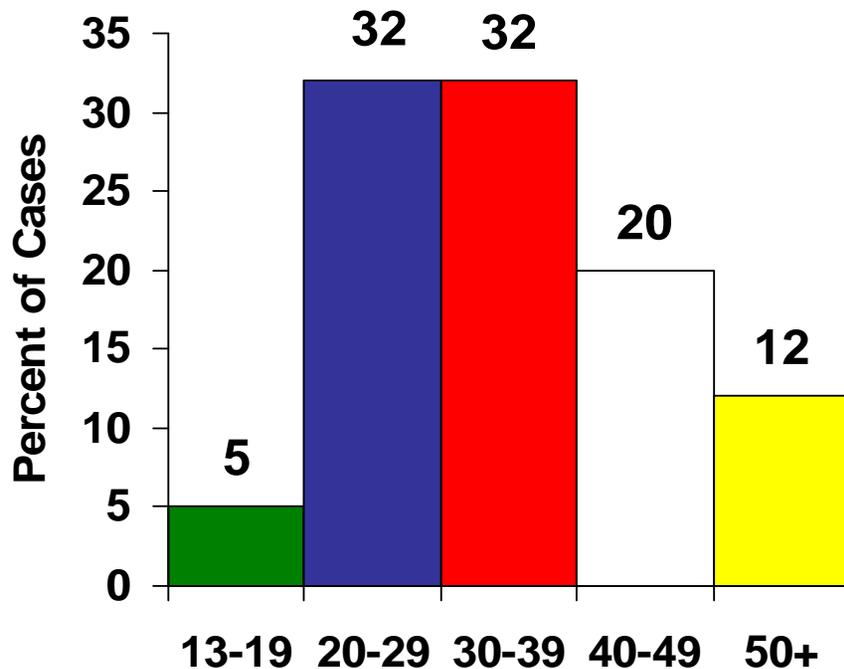


75%

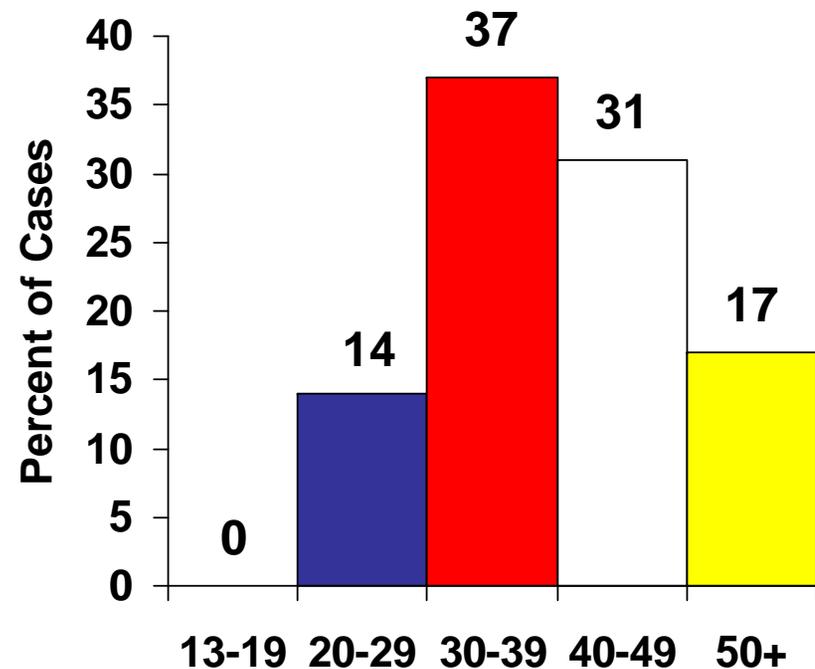
Note: HIV cases represent more recent infections, thus these data suggest that the proportion of female to male cases among American Indian reported in Florida is increasing over time.

Adult HIV and AIDS Cases among American Indians, by Age at Diagnosis, Reported Through 2012, Florida

**HIV (not AIDS)
N=132**



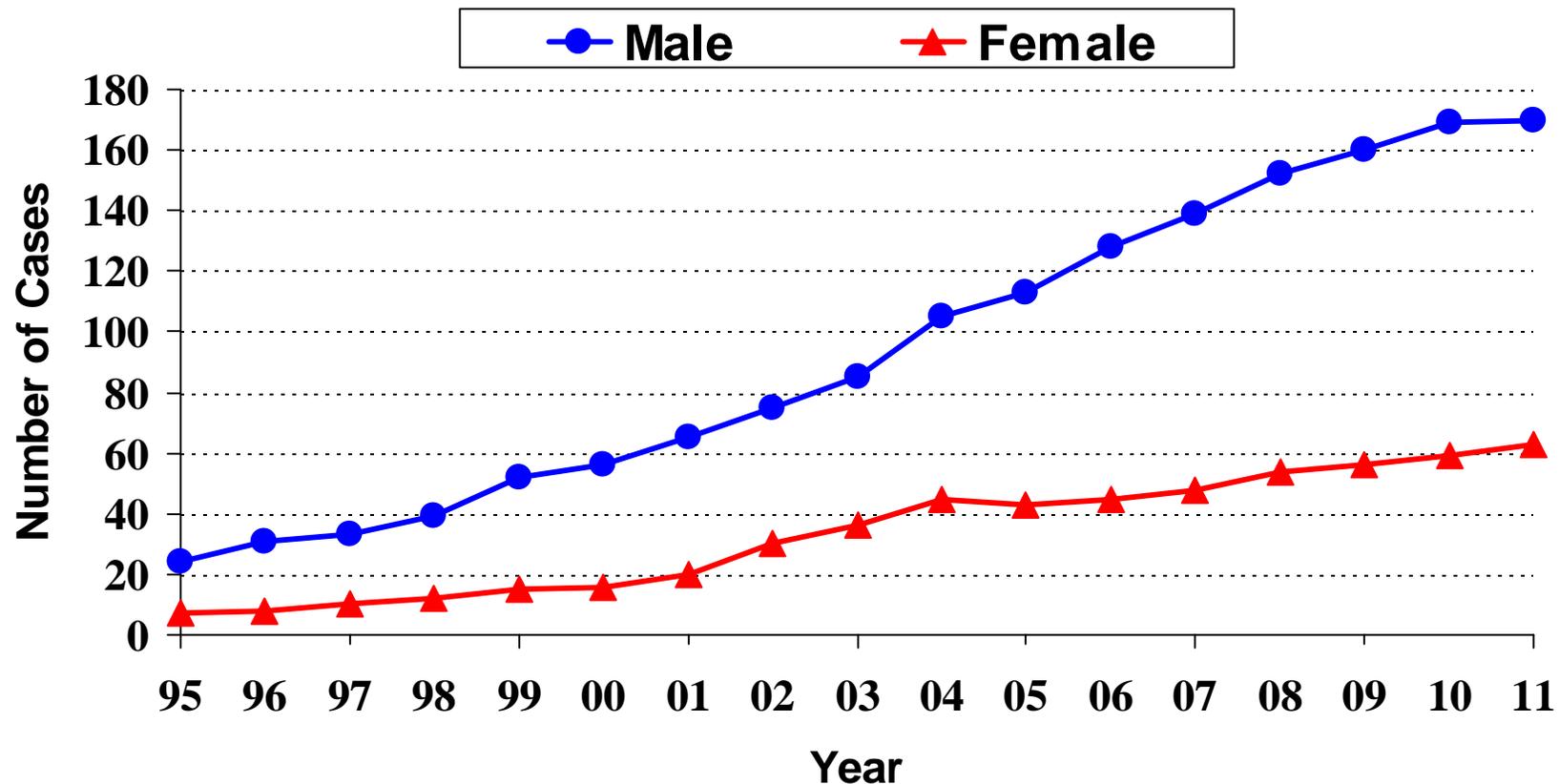
**AIDS
N=261**



Note: HIV cases tend to be younger than AIDS cases. HIV cases tend to reflect more recent transmission than AIDS cases, and thus present a more current picture of the epidemic. Recent estimates show that 32% of HIV (not AIDS) cases occur among those aged 20-29 and 30-39 (respectively for both), whereas 37% of AIDS cases occur among those aged 30-39.



Annual Prevalence of HIV Disease among Adult American Indians By Sex, Reported 1995-2011, Florida



Although increases are seen among both American Indian men and women, women account for an increasing proportion of American Indians living with HIV/AIDS. In 2011, women accounted for 27% of American Indians living with AIDS, compared with 26% in 1995.
Data as of 05/16/2012



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.



Transmission Rates among American Indians Living with HIV in the US* compared to Florida

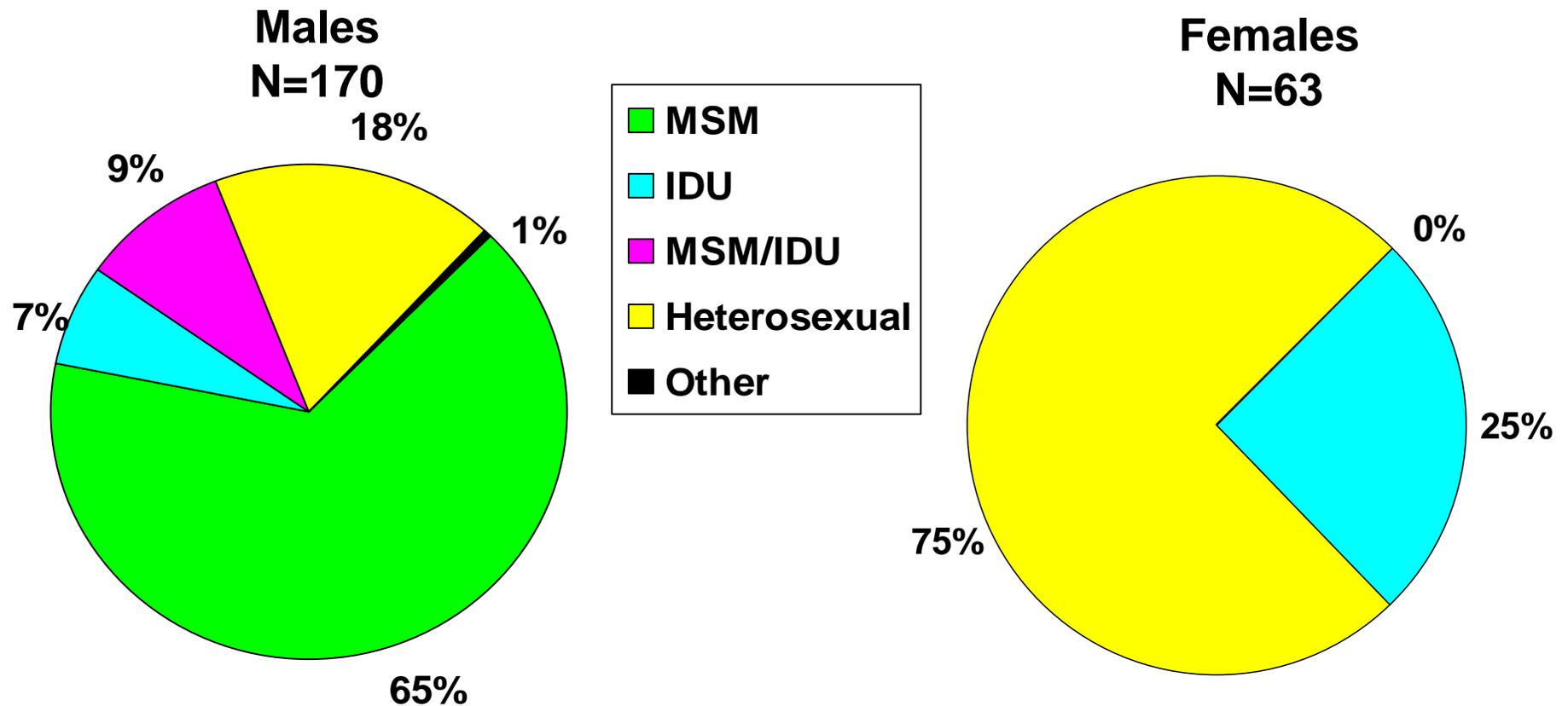
	Males		Females	
	US through 2010	FL through 2011	US through 2010	FL through 2011
MSM	65%	65%	-----	-----
IDU	11%	7%	32%	25%
MSM/IDU	16%	9%	-----	-----
Heterosexual	7%	18%	65%	75%
Other	1%	1%	3%	0%

Among American Indian males living with HIV, Florida has a significantly higher transmission rate of heterosexual risk and a much lower rate of IDU risk compared to the US. Among American Indian females living with HIV, Florida had a much lower IDU rate and a much higher heterosexual transmission rate than that for the US.

*U.S. data: HIV Surveillance Report, 2011 (most recent available) Vol. 23, Table 17a



Adult American Indians Living with HIV Disease By Mode of Exposure and Sex Reported through 2011, Florida



Note: NIRs are redistributed. MSM is the primary risk among males (65%), followed by heterosexual (18%). Heterosexual is the primary risk among females (75%) followed by IDU (25%).

**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 Florida HIV/AIDS Surveillance Data

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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

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