

# 2017 HIV/AIDS Epidemiology Update

2016 Data

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# Primary Sources

- Evaluation HIV/AIDS Reporting System (EHARS) – Collects infection data from all legally bound reporting sources throughout the State.
- 2016 U.S. Census Estimates
- 2014 CDC HIV/AIDS Surveillance Report

# Questions

- Special data request must be made through HIV/AIDS Surveillance Coordinator James Dowling
  - Phone – (302)744-1016
  - Email – [james.dowling@state.de.us](mailto:james.dowling@state.de.us)
  - (special data is that which is not specifically covered in the following slides)

# HIV/AIDS Trends in Delaware

3,381 living cases of HIV/AIDS  
(December 2016)

## Delaware infected

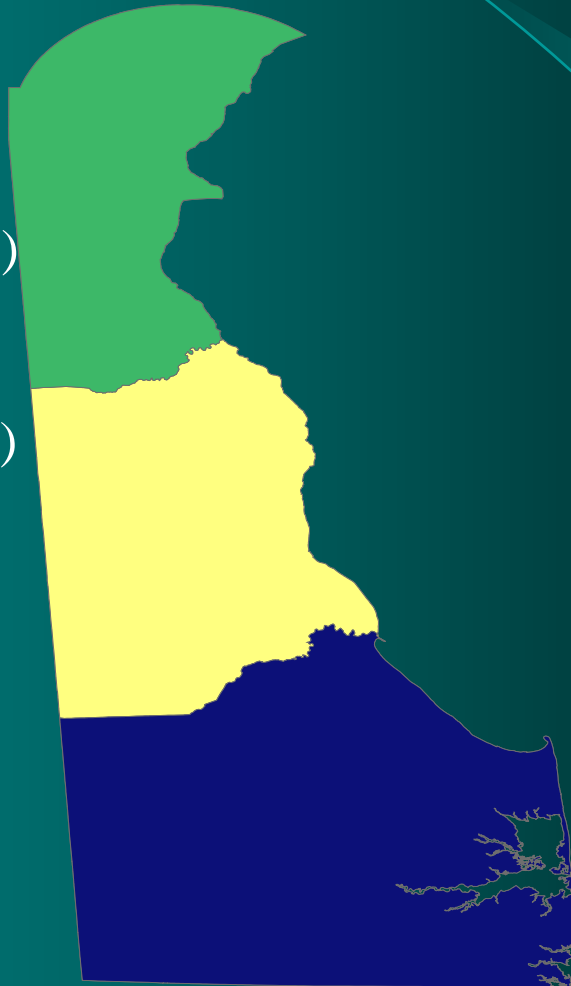
1 out of every 282 (n = 3,381)

--AA = 1/101 (n = 2,017)

--White = 1/569 (n = 1,053)

--Hispanic = 1/387 (n = 226)

(ratios based on latest  
available U.S. Census  
Estimates and reported  
Living HIV/AIDS cases)



# Gender Groups

# TRENDS IN HIV/AIDS IN DE

## ● Gender

--Males - 48% of Delaware's population, yet  
72% of all HIV/AIDS cases through 2016

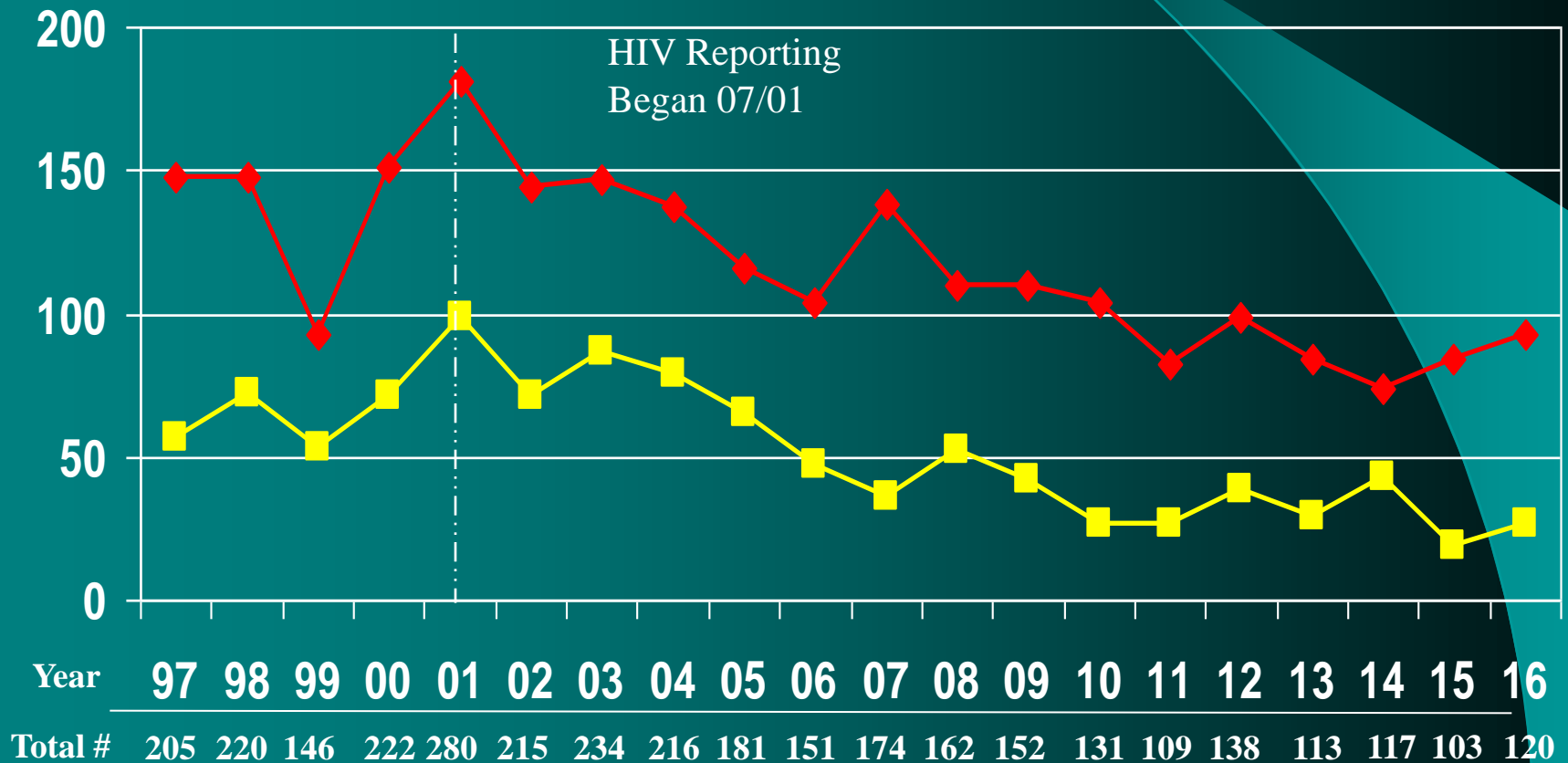
--Females - 52% of Delaware's population, 28% of  
all reported Delaware cases through  
2016



# New Infections in Delaware by gender 1997 - 2016

Note: Data perspective change from number of HIV cases and number AIDS cases to the number of New Infections

◆ Male ■ Female



# Race Ethnicity Groups



# TRENDS IN DE (Cont)

- **Ethnicity**

- African Americans (disproportionately high HIV/AIDS rate)

- 44% cases attributed to African-Americans in the late 80s---**Stands at 65% at the end of 2016 despite being 21% of Delaware's population**

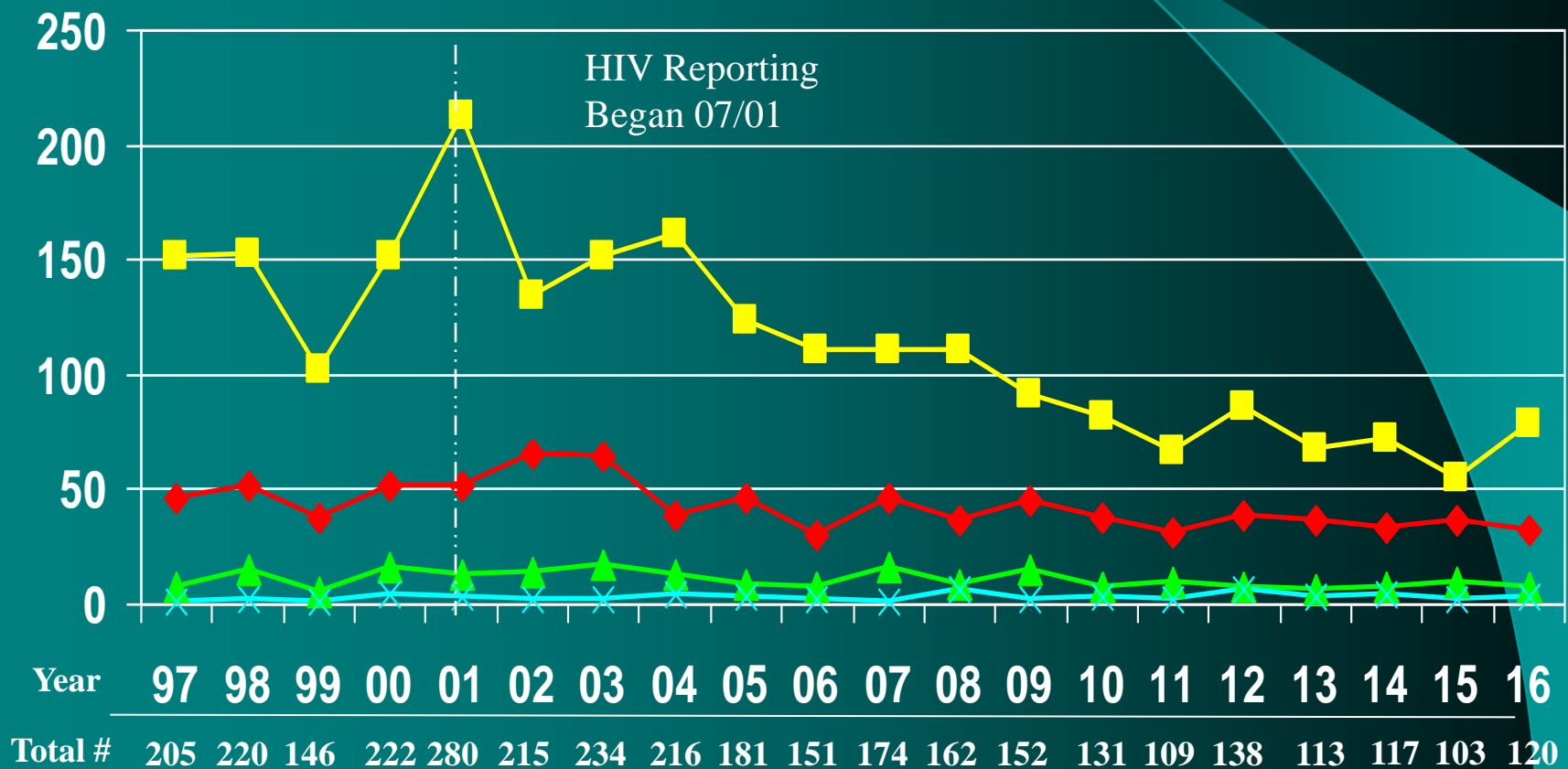


# New Infections Diagnosed in Delaware

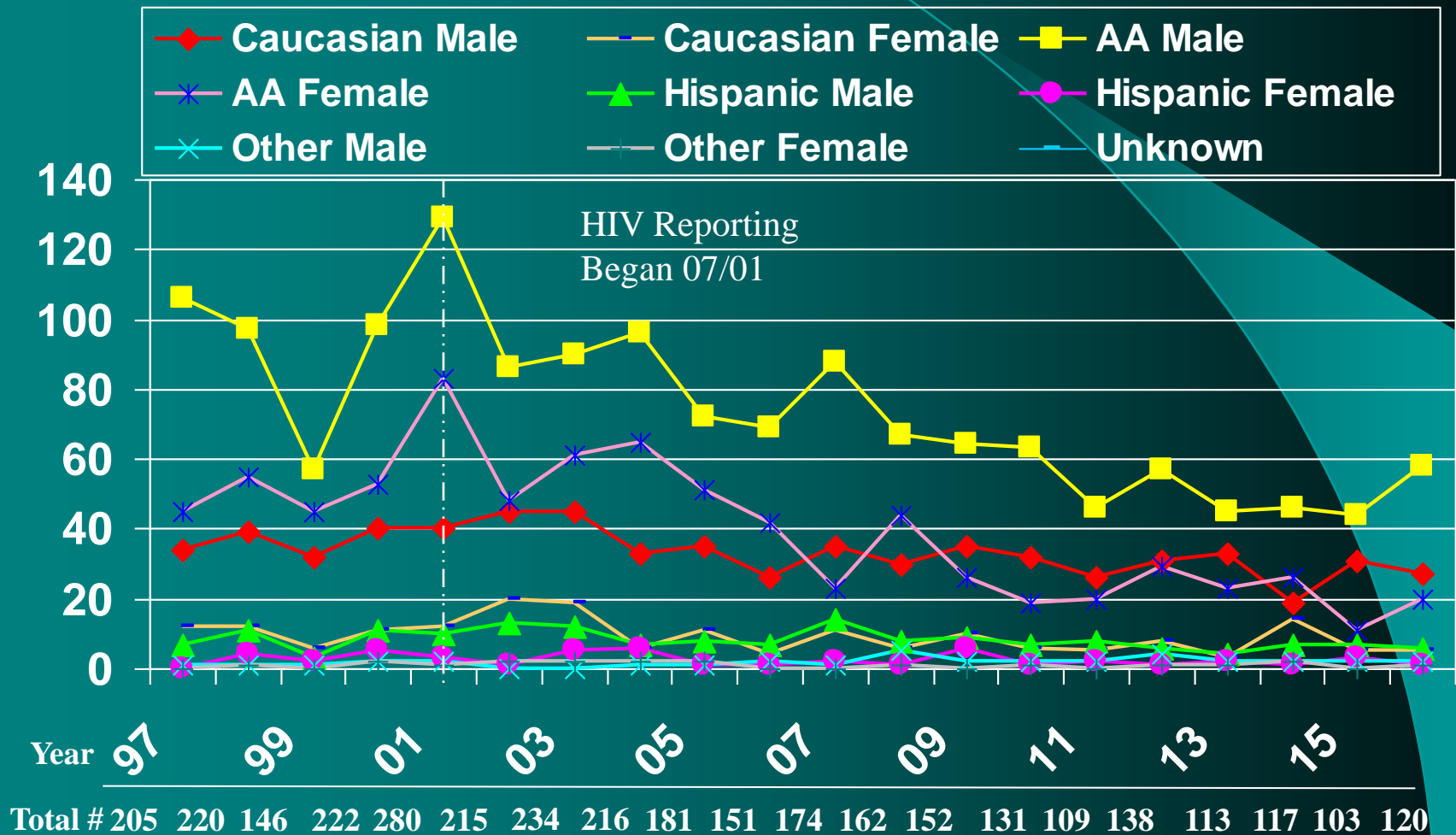
## Race/Ethnic Groups, 1997-2016

◆ Caucasian 
 ■ AA 
 ▲ Hispanic 
 ✕ Other

NOTE: Other = Am Indian, Native Alaskan Asian, Native Hawaiian and Multi Race



# New Infections Diagnosed in Delaware by Gender and Race/Ethnic Groups, 1997-2016



# Age Groups

# TRENDS IN DE (Cont)

## ● AGE

### HIV

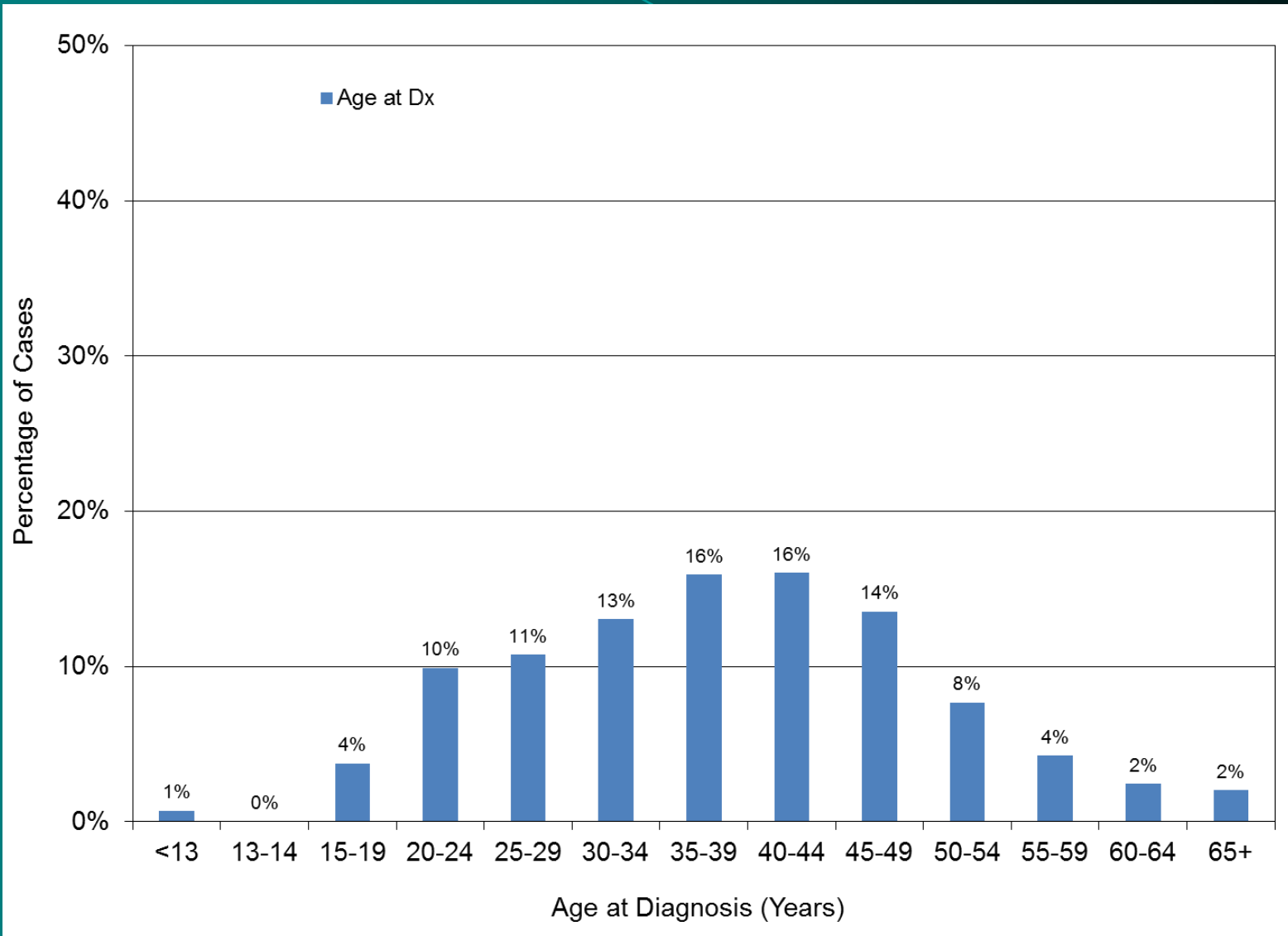
- 59% reported were between ages of 20 – 39 at diagnoses
- Teen groups not infected at rates seen in many other states, DE = 7%

### Stage 3 HIV (AIDS)

- 69% reported were between ages 30-49 at diagnoses



# New Infections Diagnosed in Delaware by age Group, 1997-2016



# Mortality

# TRENDS IN DE (Cont)

- **Mortality**

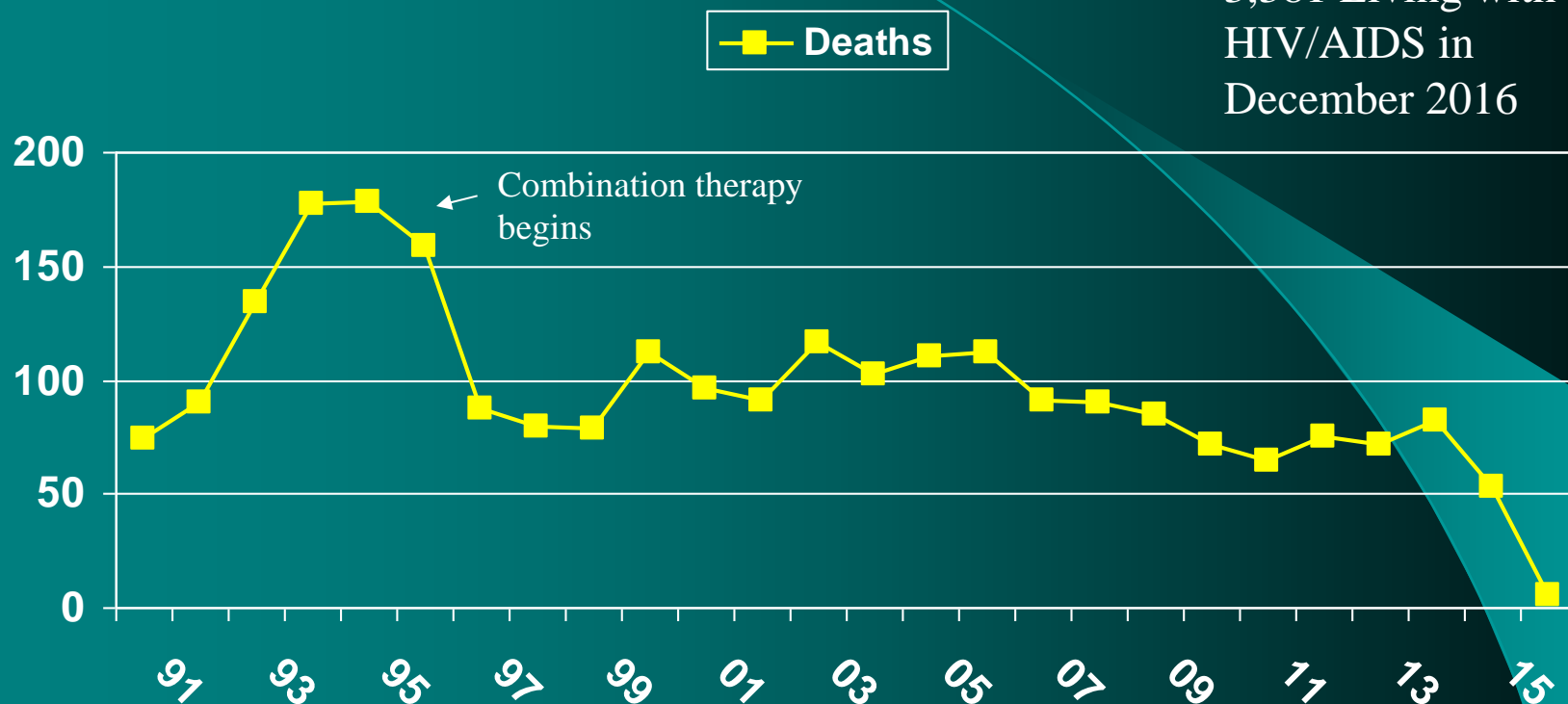
Better Treatment = Longer lives





# HIV/AIDS Deaths

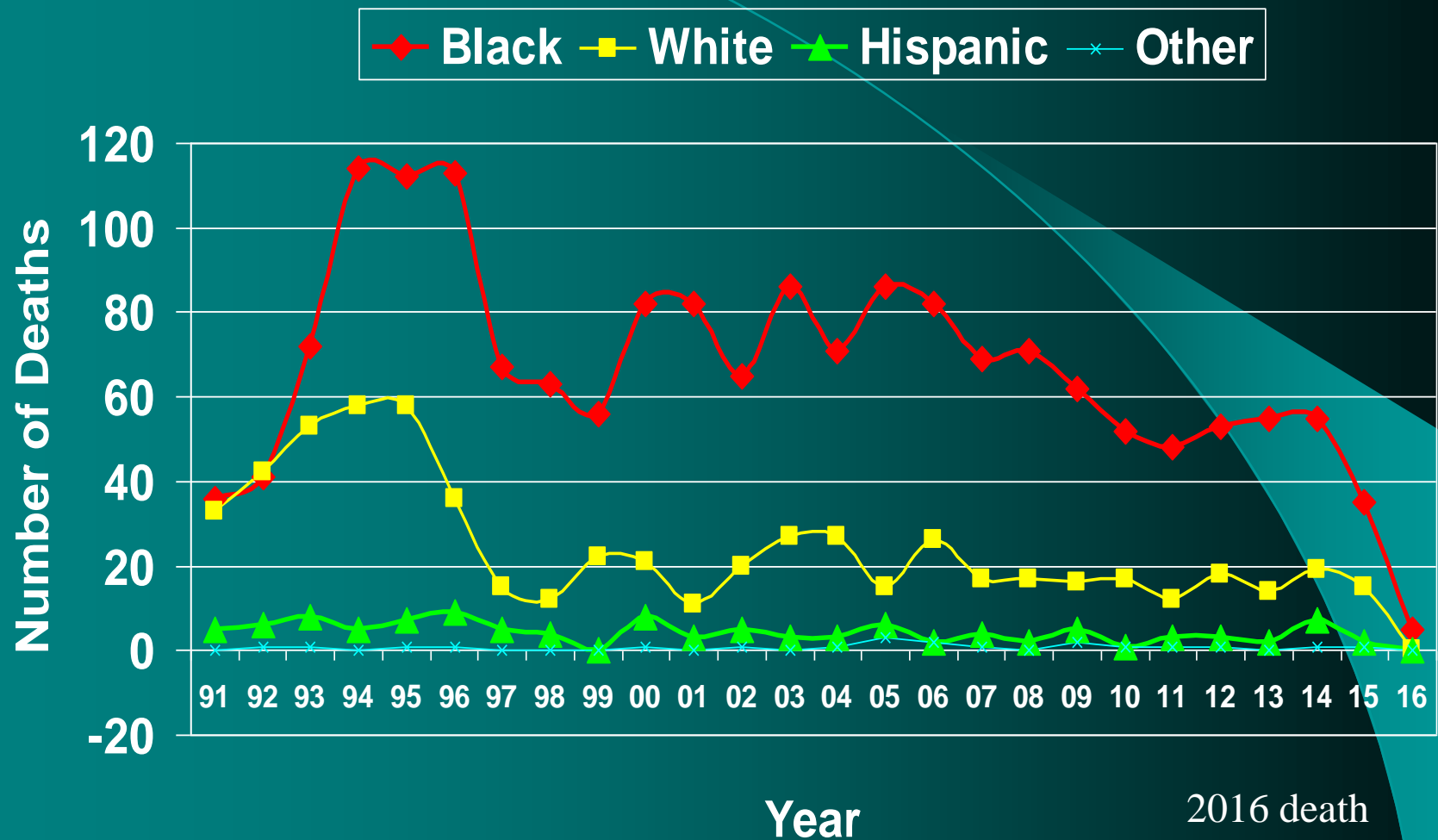
3,381 Living with  
HIV/AIDS in  
December 2016



523 Living with  
HIV/AIDS in  
December 1988

2016 death  
ascertainment  
incomplete

# HIV/AIDS Deaths by Race, 1991 to 2016

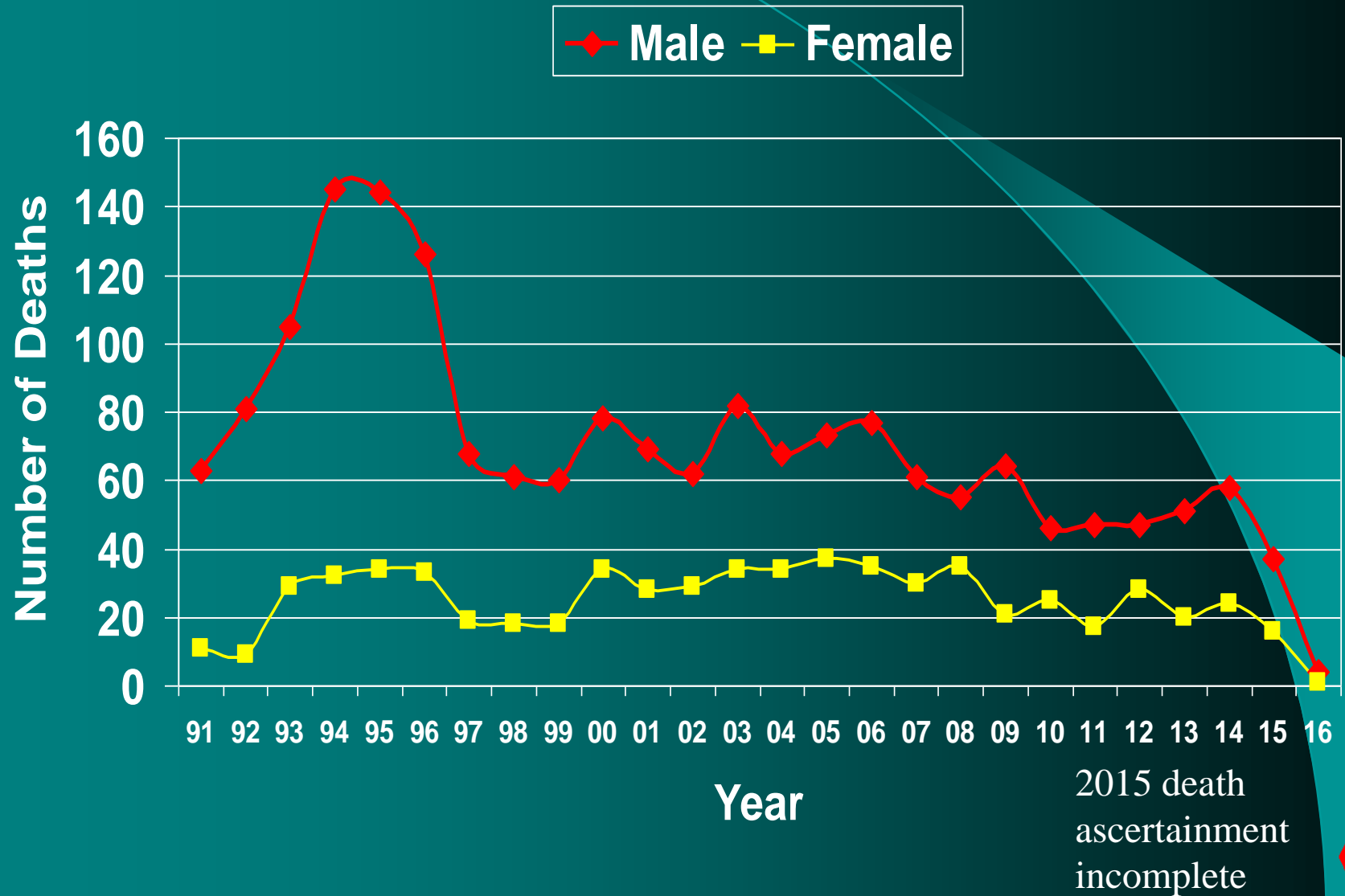


Note: Deaths are proportionate to infections across groups

2016 death  
ascertainment  
incomplete

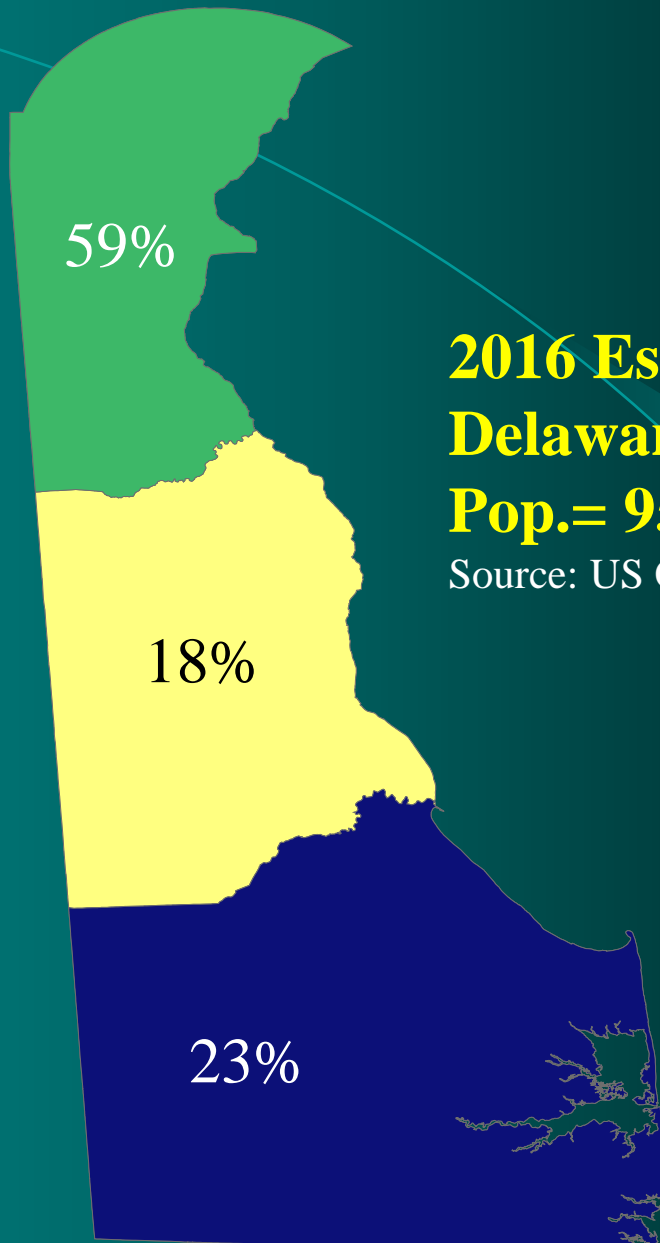
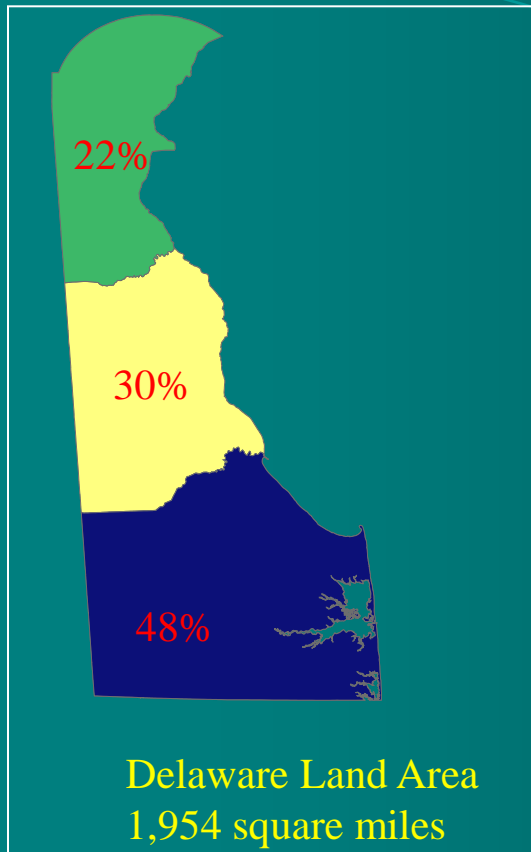


# HIV/AIDS Deaths by Gender, 1991 to 2016



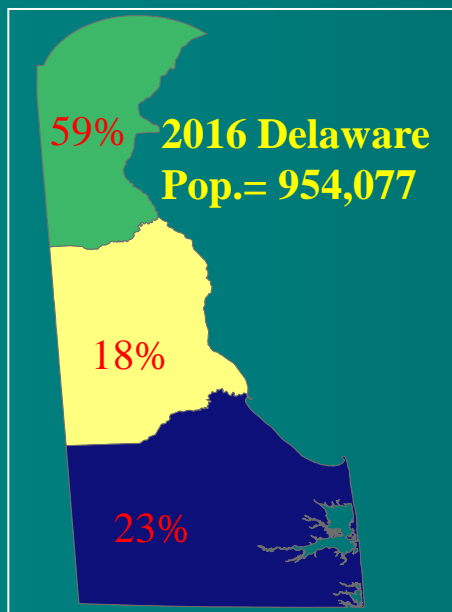
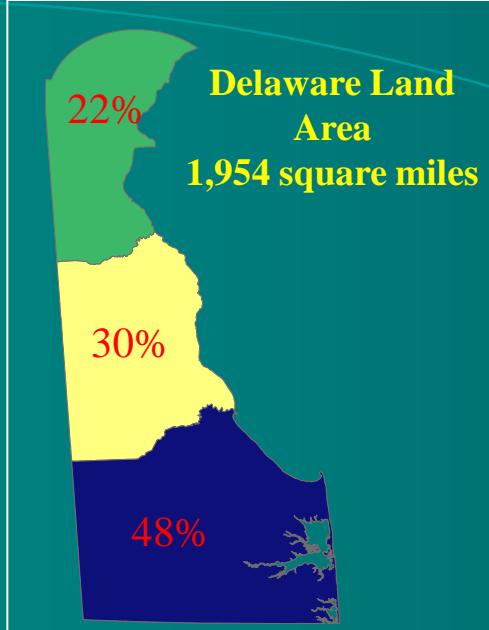
# Geography

--49% of all HIV/AIDS cases reported in Delaware through 2014 originated from Wilmington Metropolitan area.



**2016 Estimated  
Delaware  
Pop.= 954,077**  
Source: US Census





Rest of NCC 27%  
Wilmington 47%

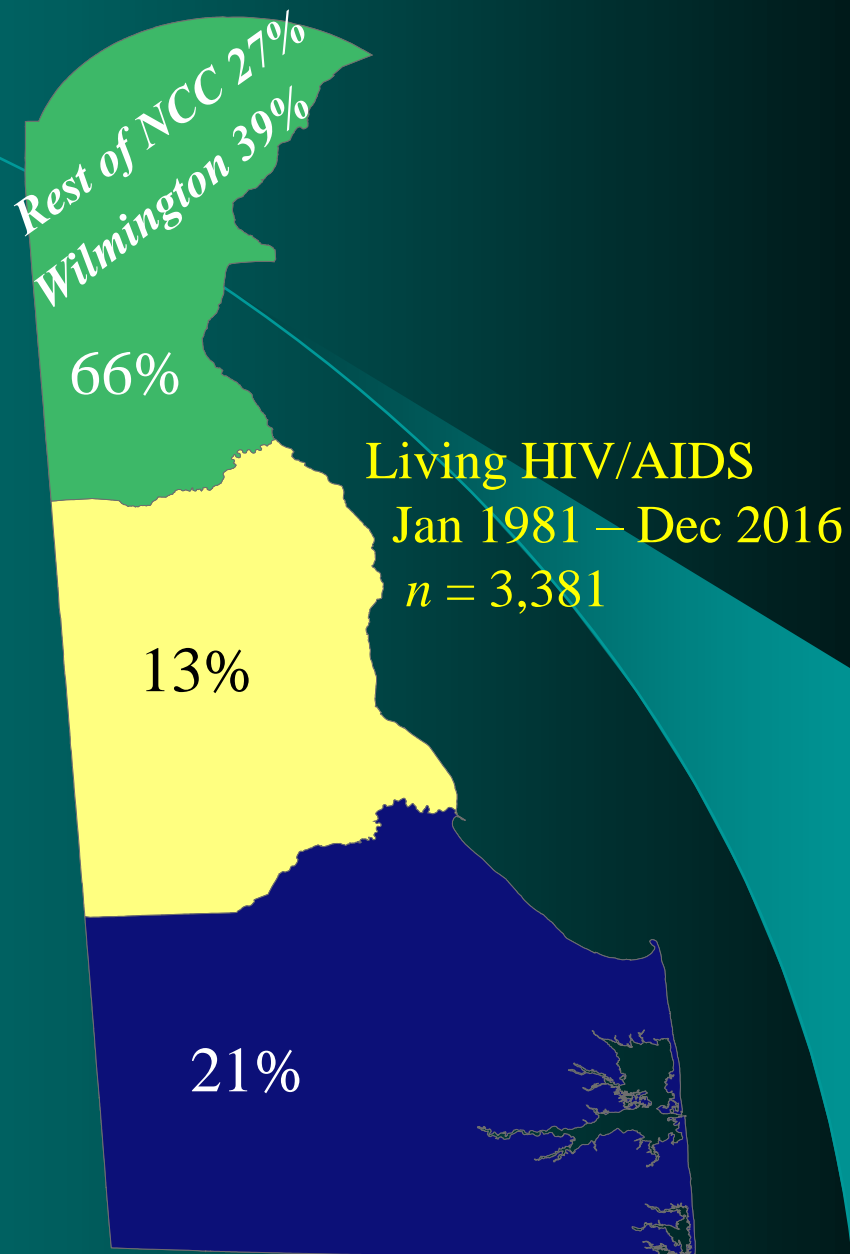
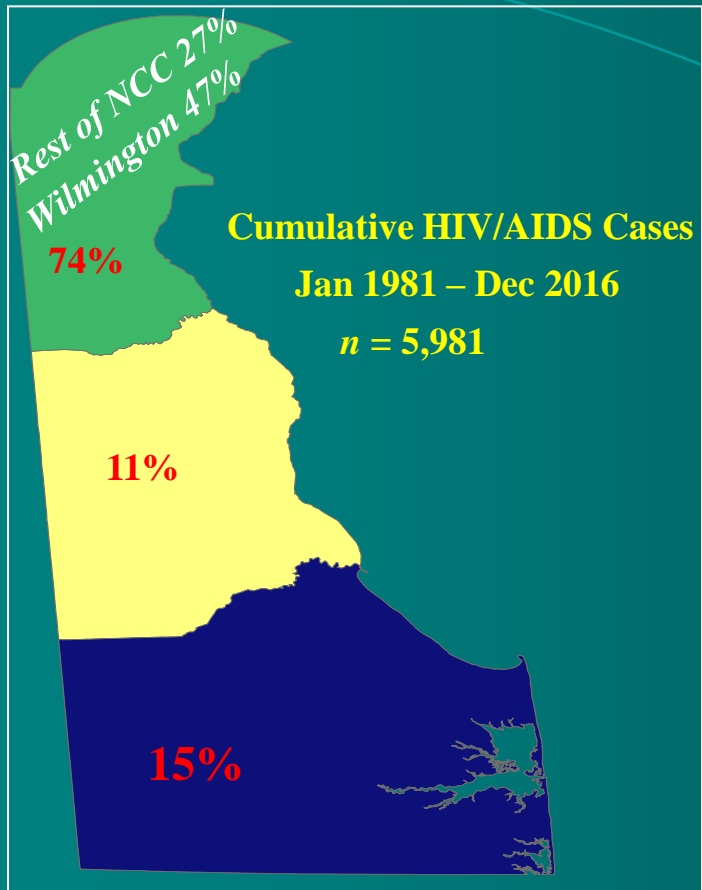
74%

**Cumulative HIV/AIDS Cases**  
January 1981 – Dec 2016  
 $n = 5,981$

11%

15%



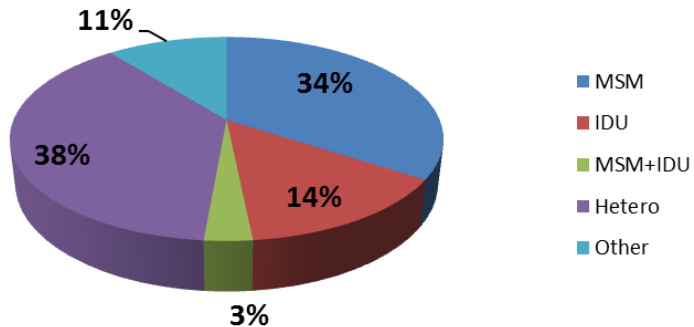


# Behavioral Risk Groupings

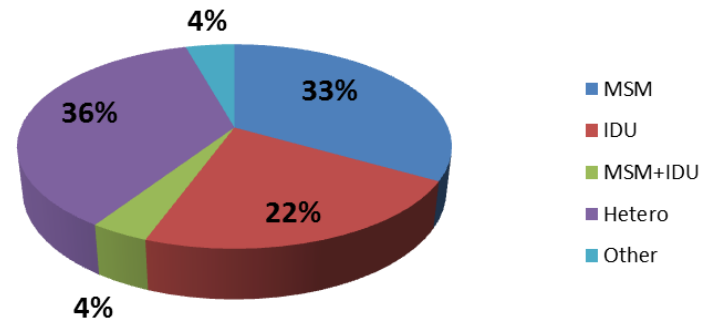


# Risk Categories by County of Residence

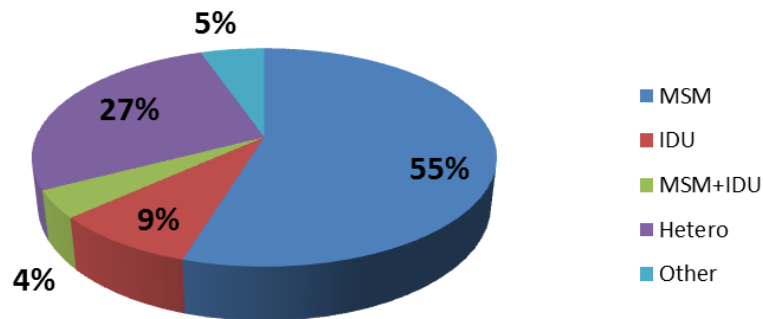
Mode of Exposure  
Living in Kent County



Mode of Exposure  
Living in New Castle County

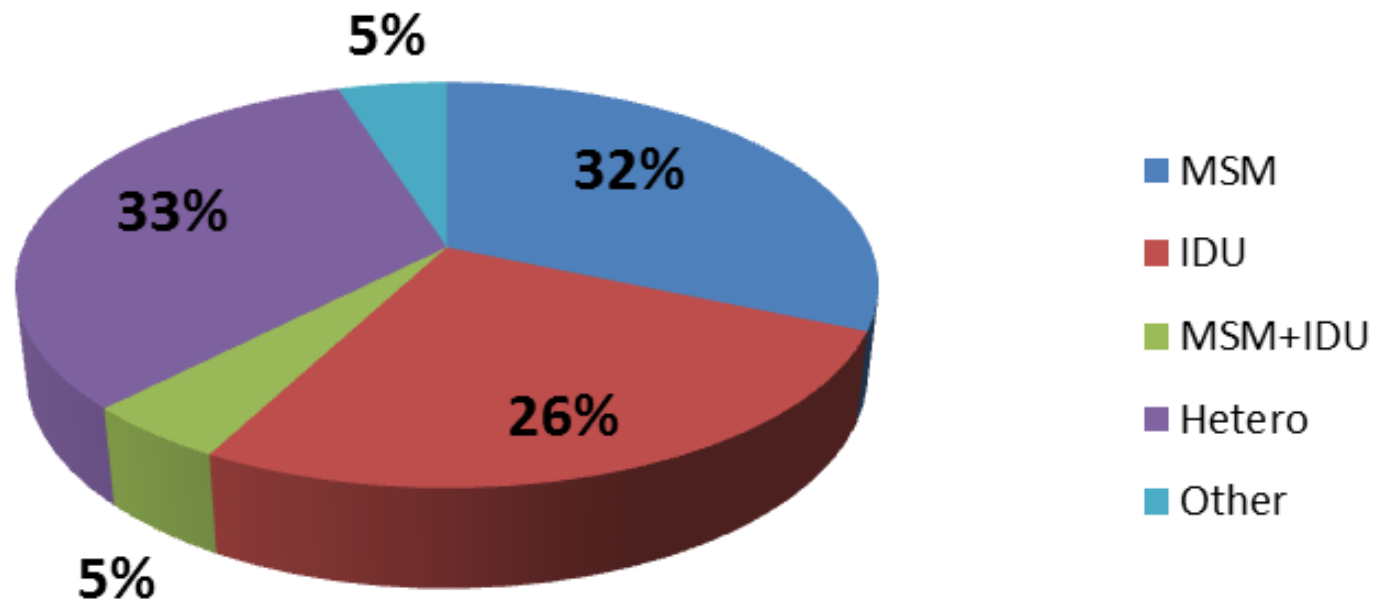


Mode of Exposure  
Living in Sussex County

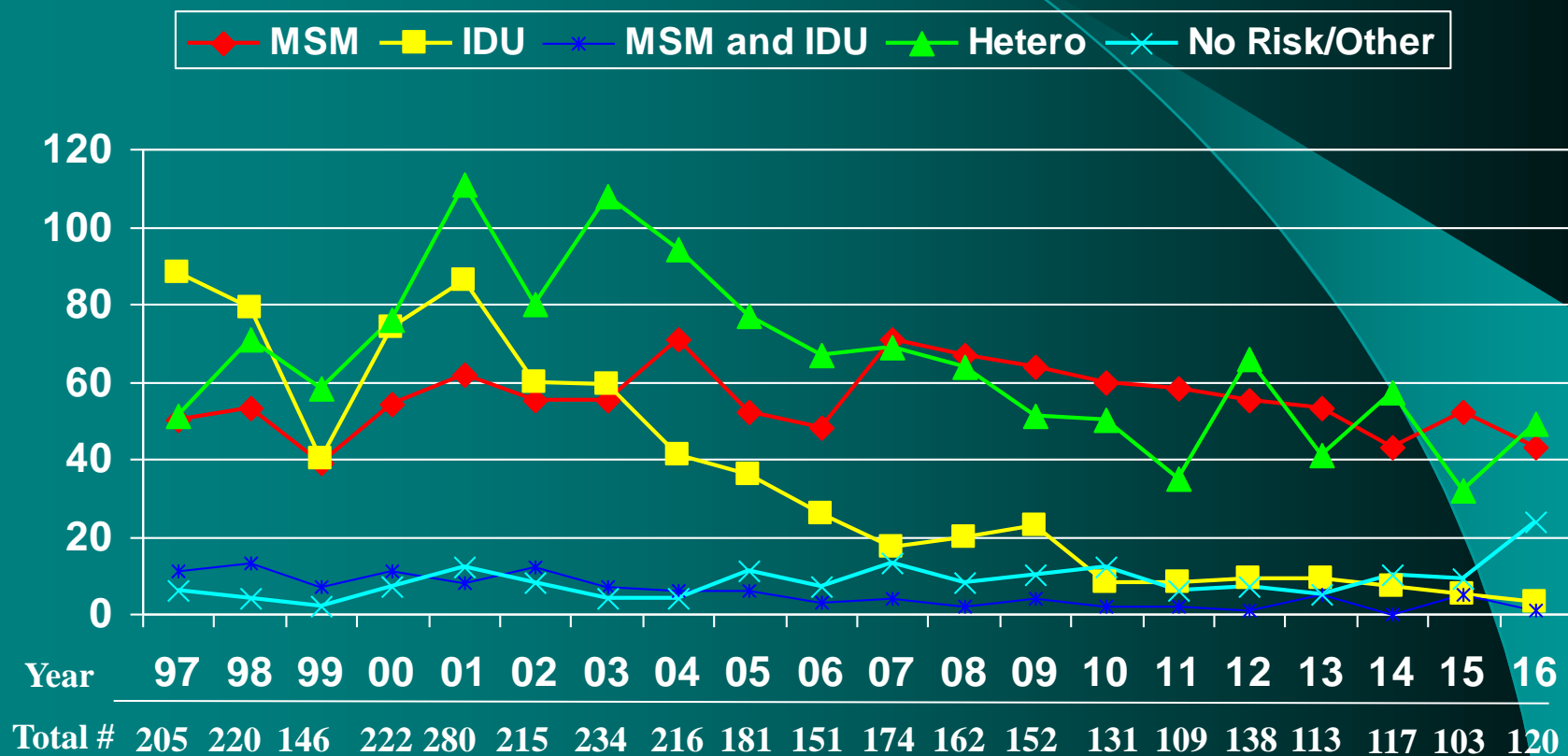


# Risk Categories in Wilmington Metro Area

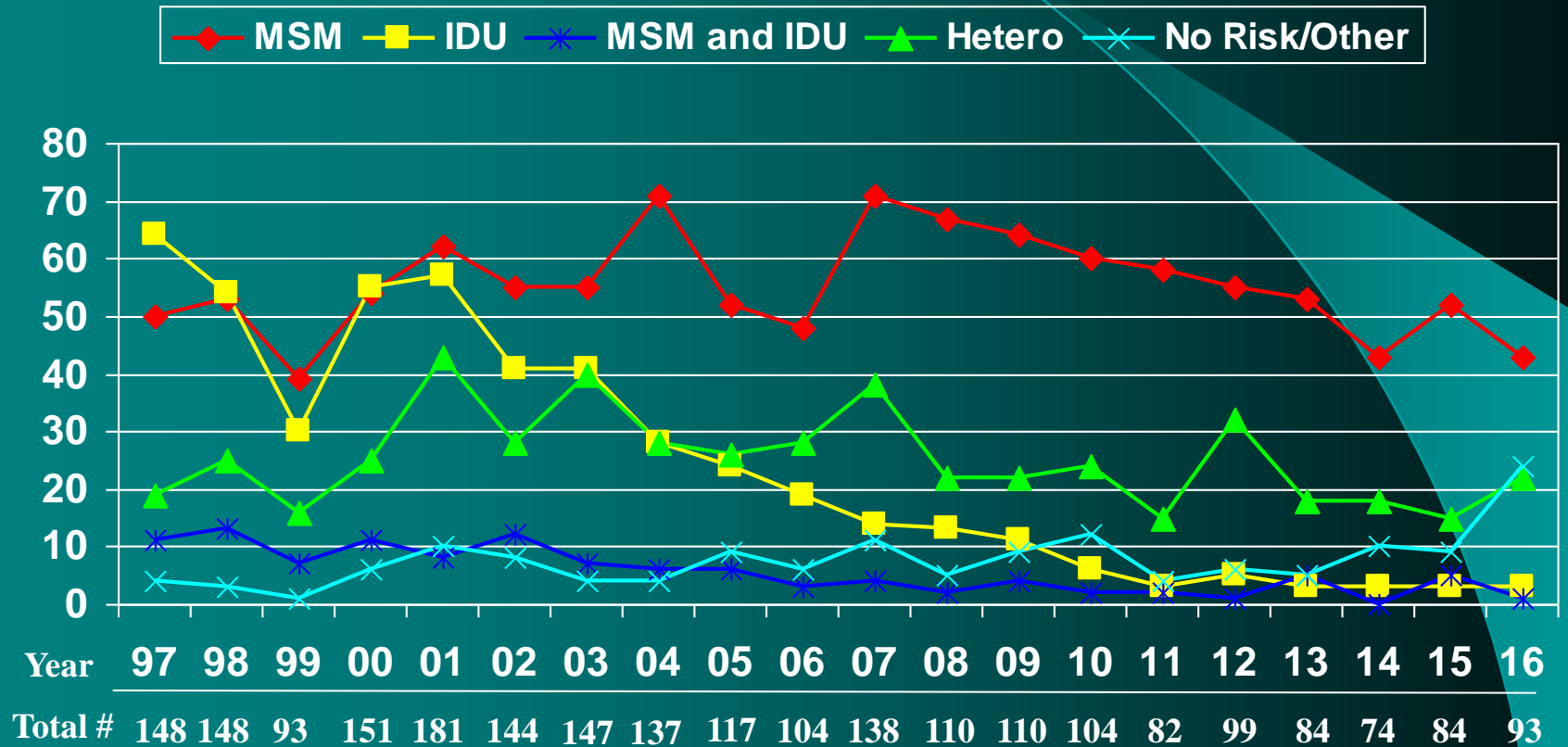
**Mode of Exposure  
Living in Wilmington Metro**



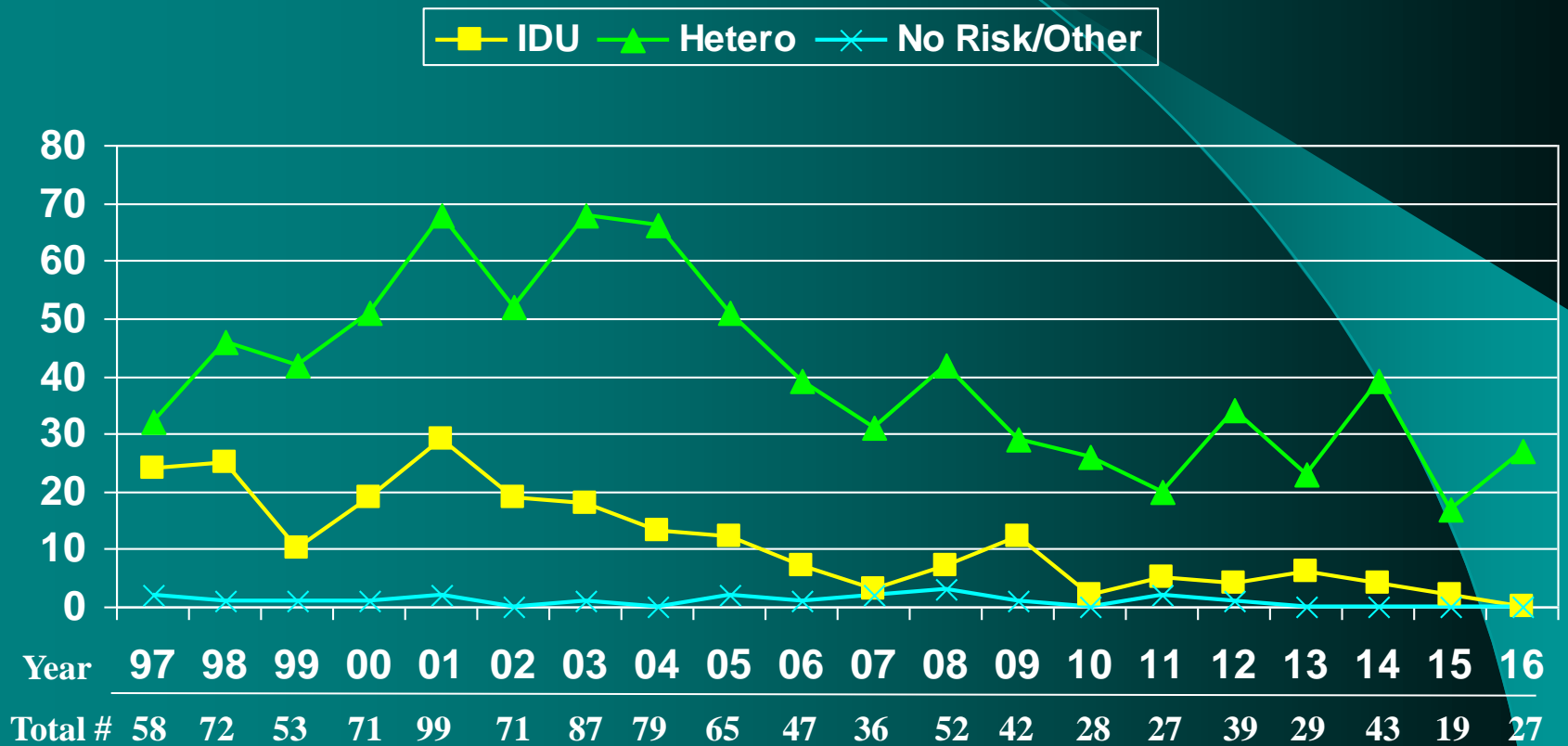
# New Infections Diagnosed in Delaware by Risk Group, 1997-2016



# New Infections in Males Diagnosed in Delaware by Risk Group, 1997-2016



# New Infections in Females Diagnosed in Delaware by Risk Group, 1997-2016



# National VS. Delaware Living HIV Cases by Race

## National - 2014

The distribution of living HIV cases by race nationally is

### % Among HIV

**31% White**

**42% Black**

**22% Hispanic**

**5% other races**

## Delaware - 2016

Delaware's living HIV cases through 2016 by race are

### % Among HIV

**33% White**

**57% Black**

**7% Hispanic**

**3% other races**

# National VS. Delaware Living AIDS Cases by Race

## National - 2014

The distribution of living AIDS cases by race nationally is

### % Among AIDS

31% White

42% Black

22% Hispanic

6% other races

## Delaware - 2016

Delaware's living AIDS cases through 2016 by race are

### % Among AIDS

29% White

62% Black

7% Hispanic

2% other races

**Email Questions To**  
**james.dowling@state.de.us**

**(302) 744-1016**

