

# 2019 HIV/AIDS Epidemiology Update

2018 Data

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# Primary Sources

- Enhanced HIV/AIDS Reporting System (EHARS) – Collects infection data from all legally bound reporting sources throughout the State.
- 2018 Delaware Population Consortium
- 2017 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

**3,501 living cases of HIV (all stages)**

**December 2018**

## Prevalence Rates (per 100,000)

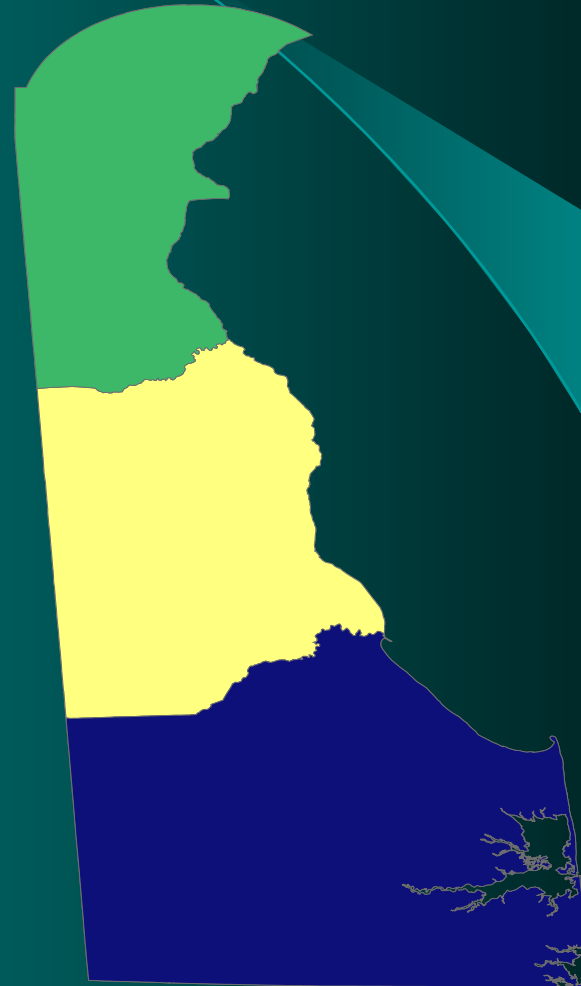
All Statewide = 359.42 (n = 3,501)

African Americans = 985.82 (n = 2,069)

White = 179.30 (n = 1,090)

Hispanic = 284.44 (n = 260)

(ratios based on 2018 DE Population Consortium Estimates and reported Living HIV cases)



# Gender Groups

# TRENDS IN HIV/AIDS IN DE

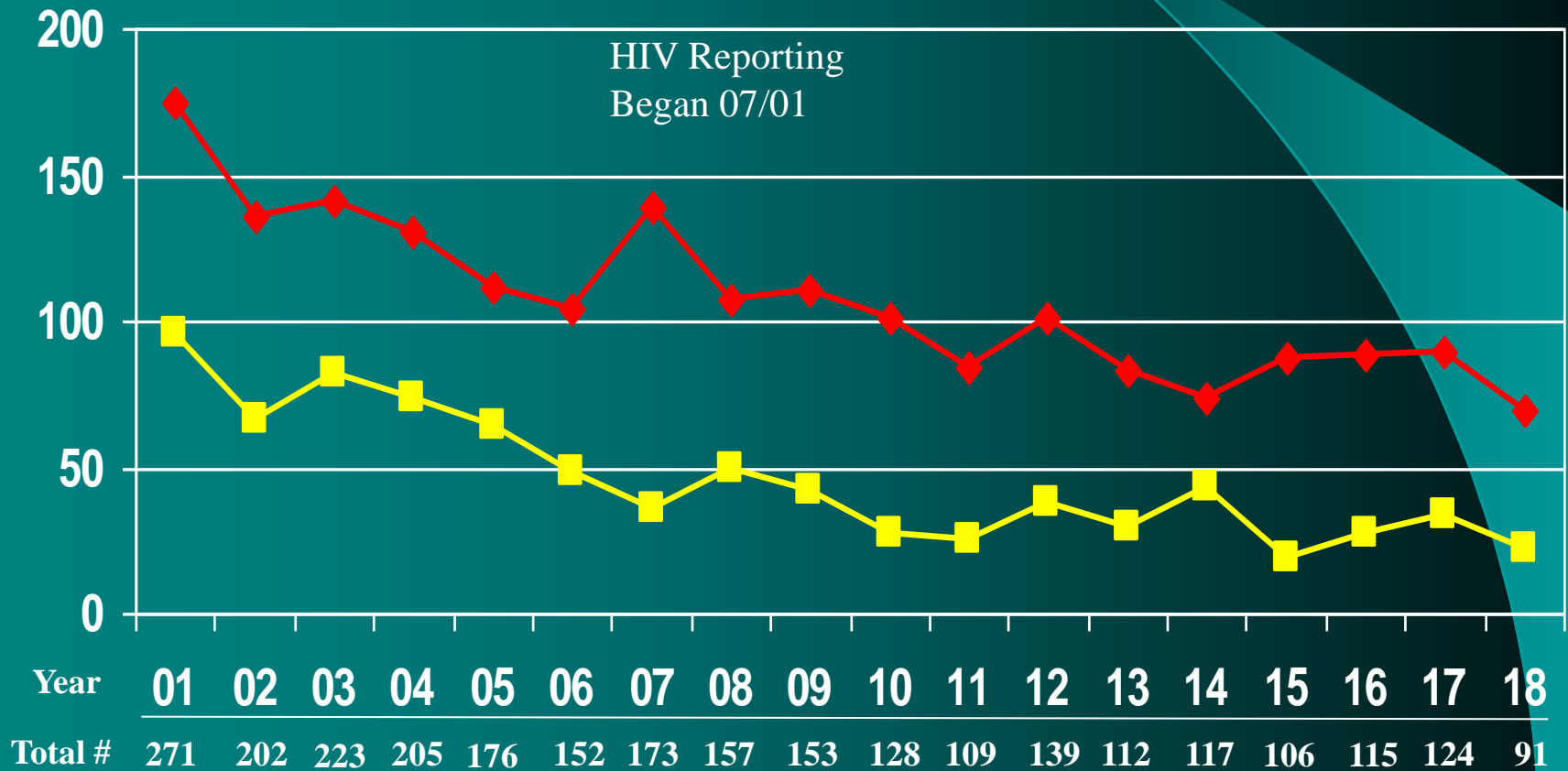
## ● Gender

--Males - 48% of Delaware's population, yet  
72% of all HIV/AIDS cases through 2018

--Females - 52% of Delaware's population, 28% of  
all reported Delaware cases through  
2018

# New Infections in Delaware by gender 2001 - 2018

Male Female



# Race Ethnicity Groups



# TRENDS IN DE (Cont)

- **Ethnicity**

- African Americans (disproportionately high HIV/AIDS rate)

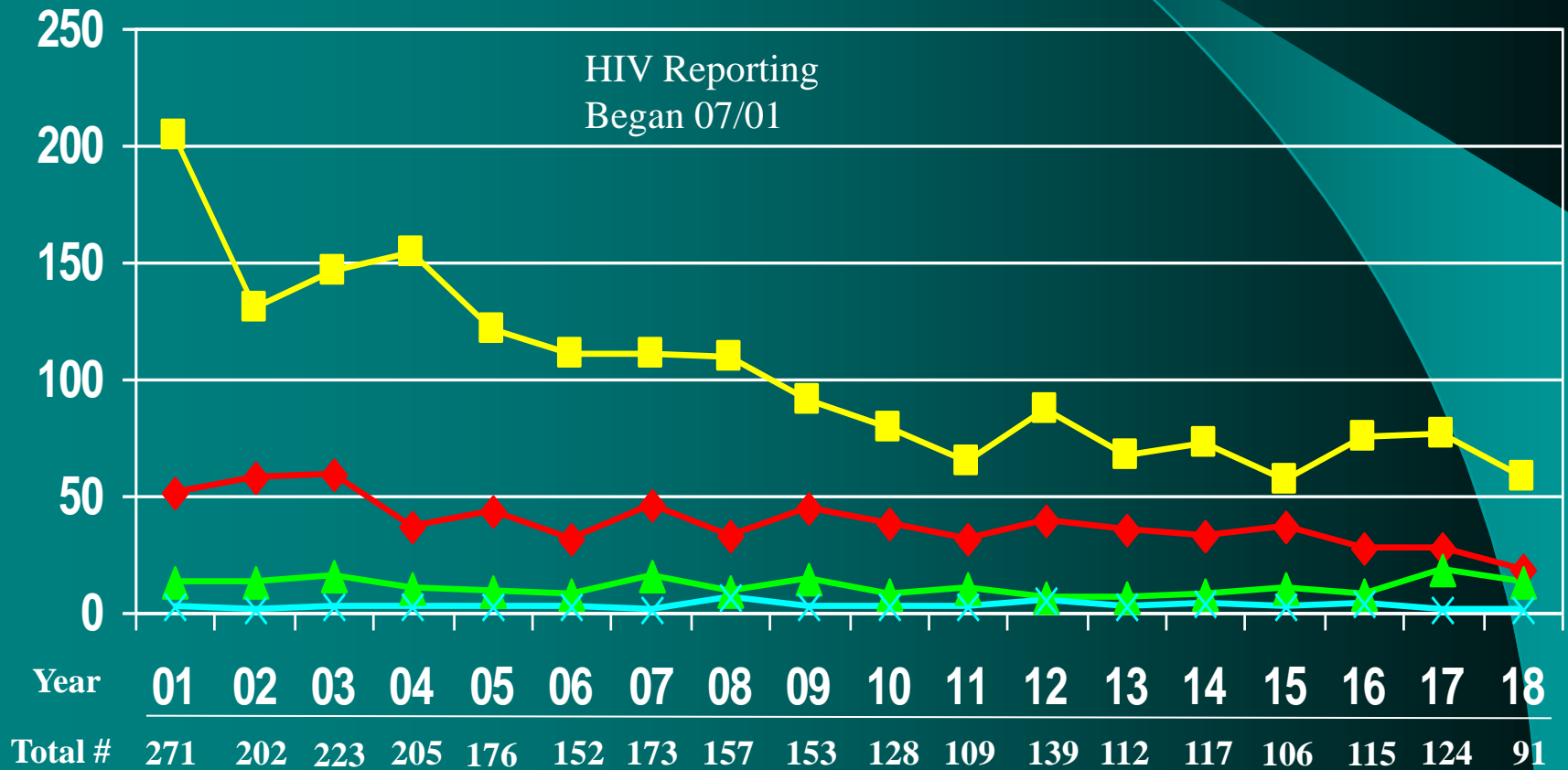
- 44% cases attributed to African-Americans in the late 80s---**Stands at 65% at the end of 2018 despite being 21% of Delaware's population**

# New Infections Diagnosed in Delaware

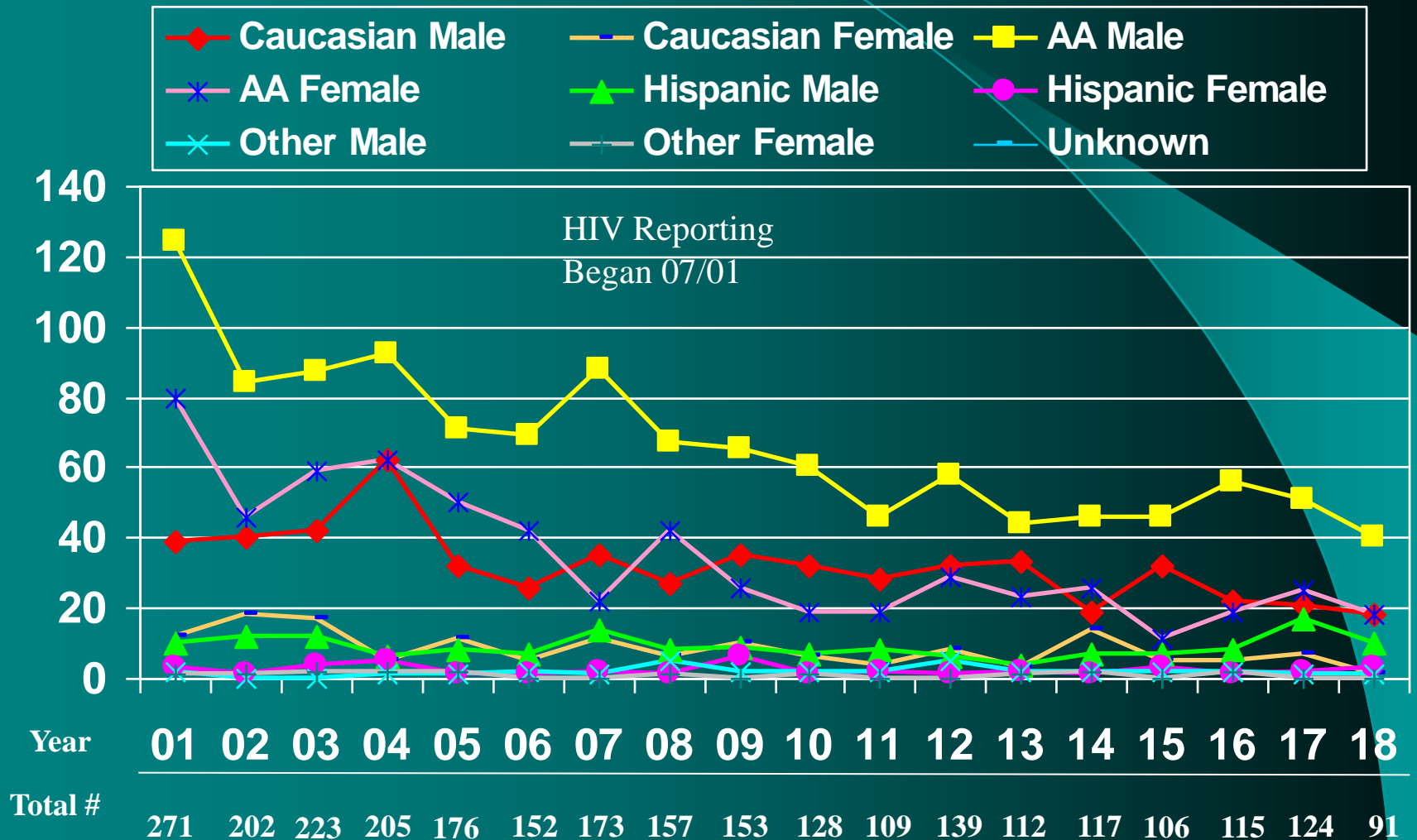
## Race/Ethnic Groups, 2001-2018

◆ 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, 2001-2018



# Age Groups

# TRENDS IN DE (Cont)

## ● AGE

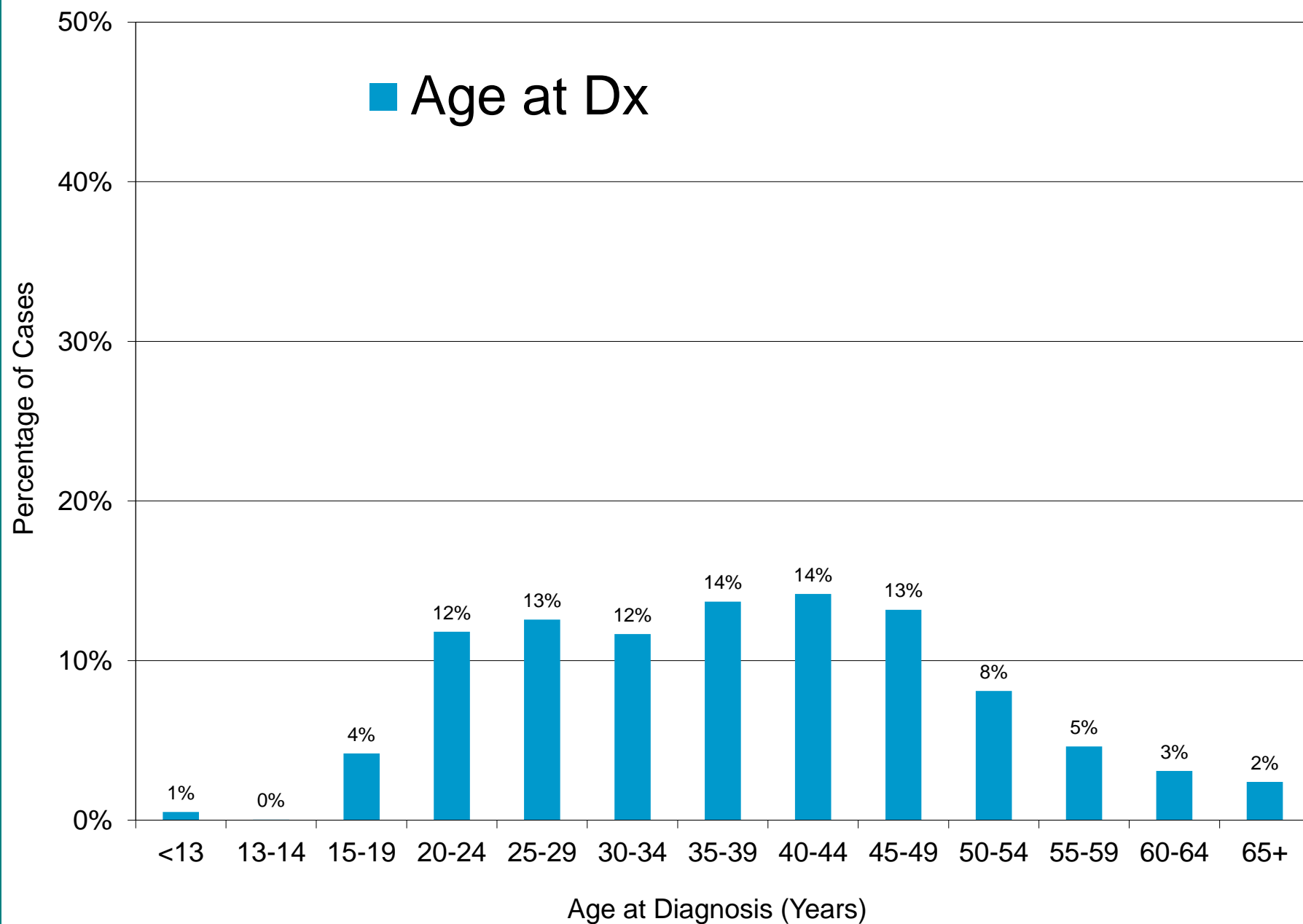
### HIV

- 77% reported were between ages of 20 – 49 at diagnoses
- Teen groups not infected at rates seen in many other states, DE = 5%

### Stage 3 HIV (AIDS)

- 70% reported were between ages 30-54 at diagnoses

## ■ Age at Dx



# Mortality

# TRENDS IN DE (Cont)

- **Mortality**

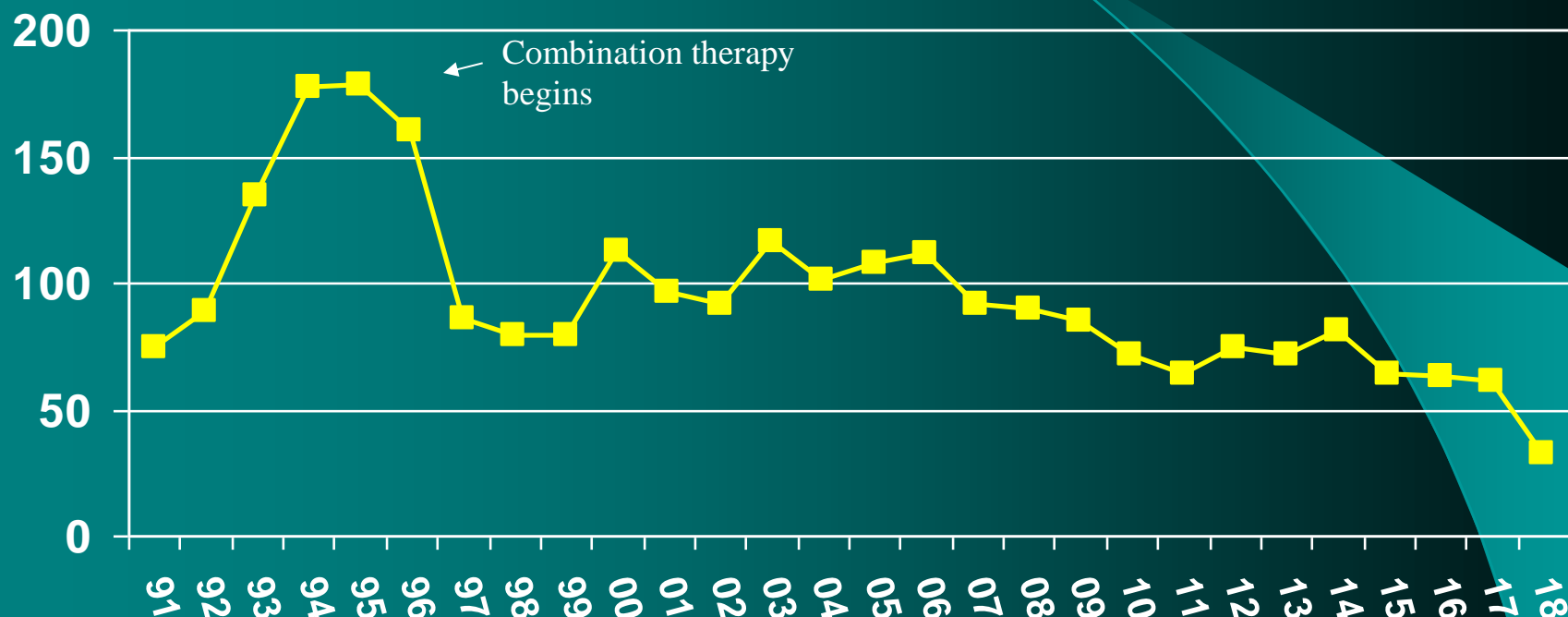
Better Treatment = Longer lives



# HIV/AIDS Deaths

Deaths

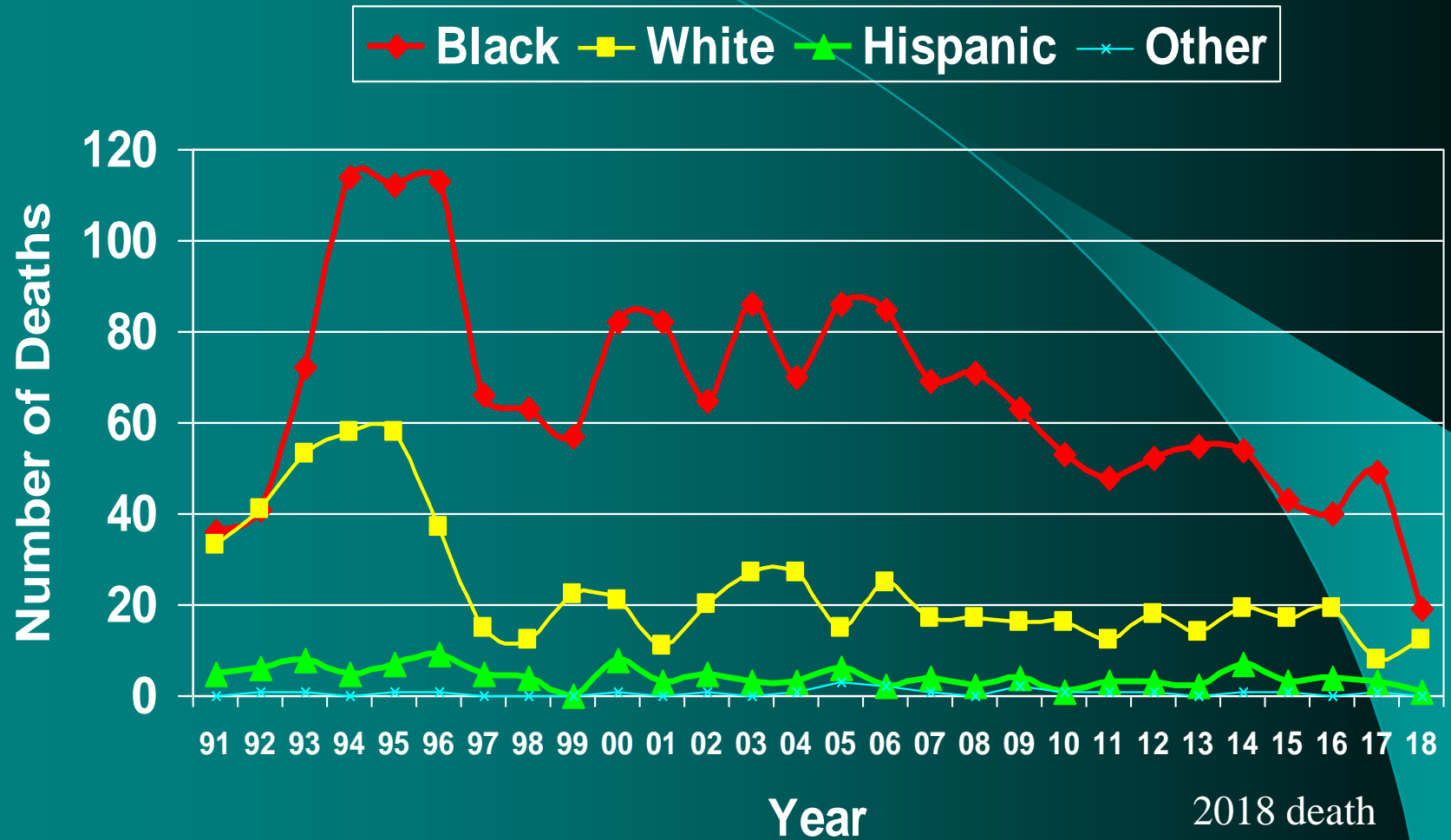
3,501 Living with  
HIV in December  
2018



523 Living with HIV  
in December 1988

2018 death  
ascertainment  
incomplete

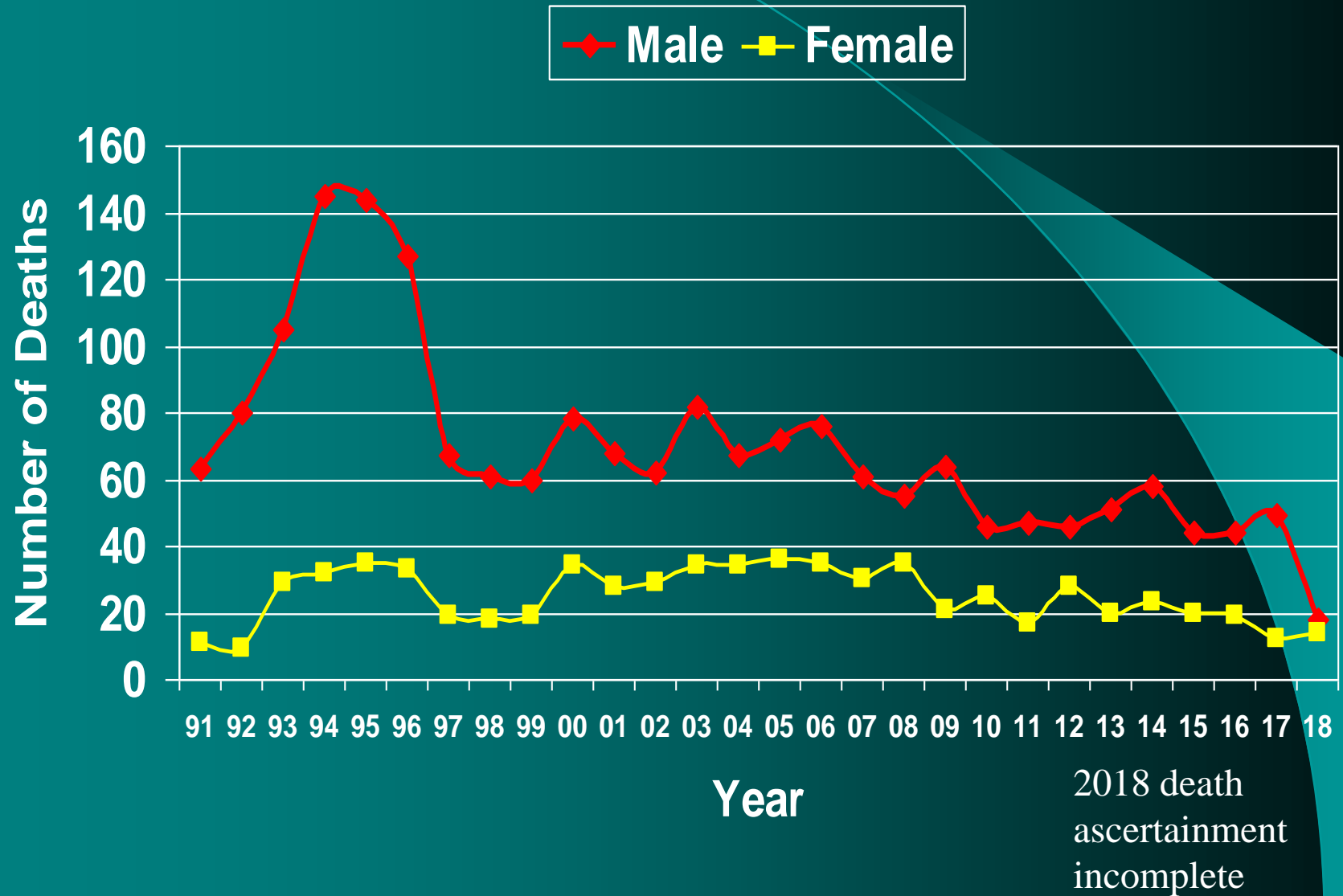
# HIV/AIDS Deaths by Race, 1991 to 2018



2018 death  
ascertainment  
incomplete

Note: Deaths are proportionate to infections  
across groups

# HIV/AIDS Deaths by Gender, 1991 to 2018

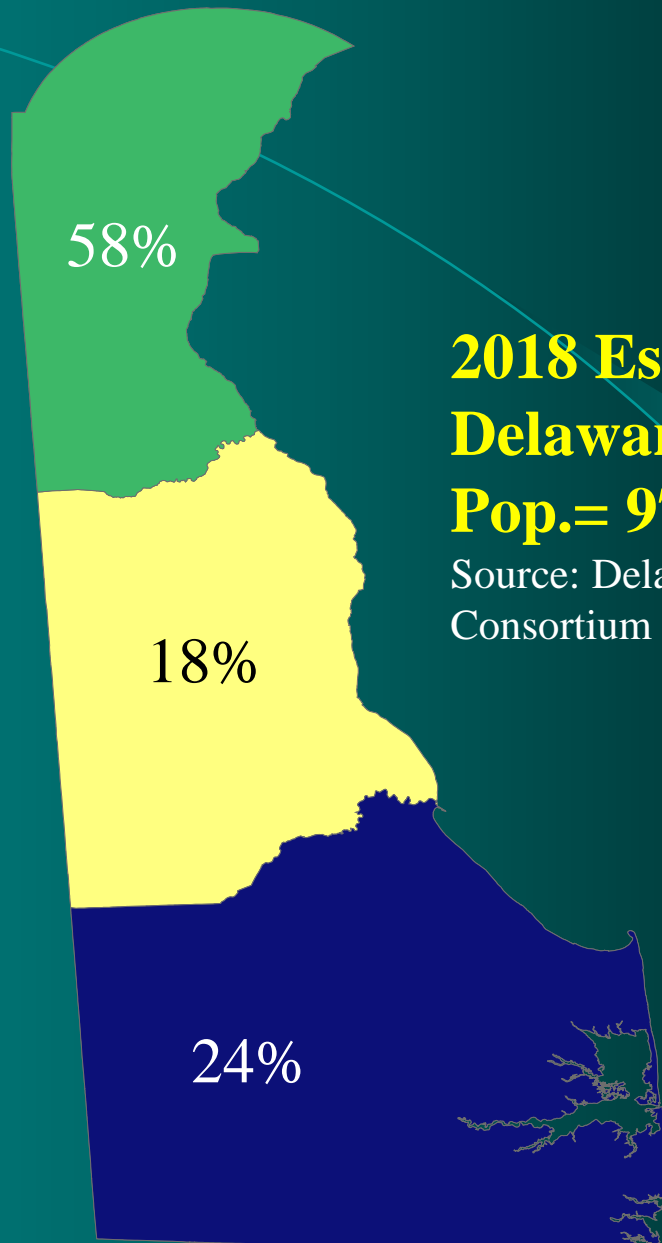
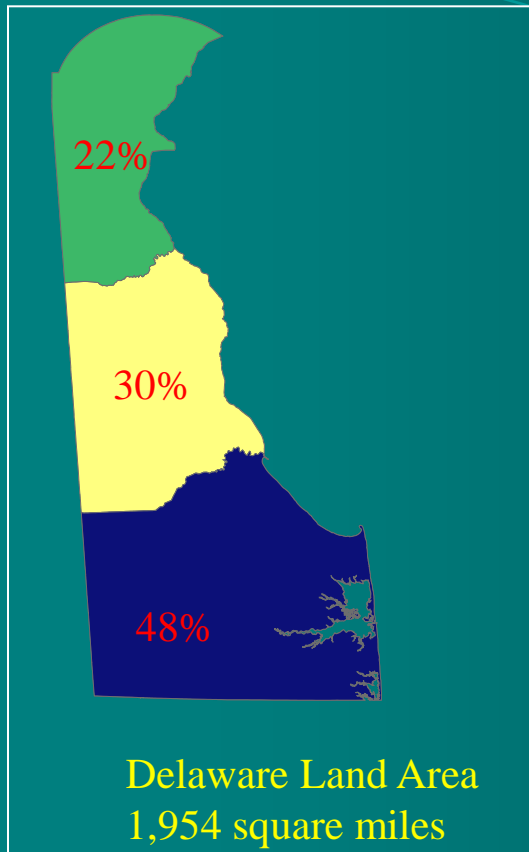


## **HIV/AIDS Deaths, 1991 to 2017**

<b>Death due to underlying HIV disease</b>		
<b>HIV Related</b>	<b>Frequency</b>	<b>Percent</b>
<b>No</b>	926	32.53
<b>Undetermined</b>	95	3.34
<b>Yes</b>	1826	64.14

# Geography

--47% of all HIV/AIDS cases reported in Delaware through 2017 originated from Wilmington Metropolitan area.



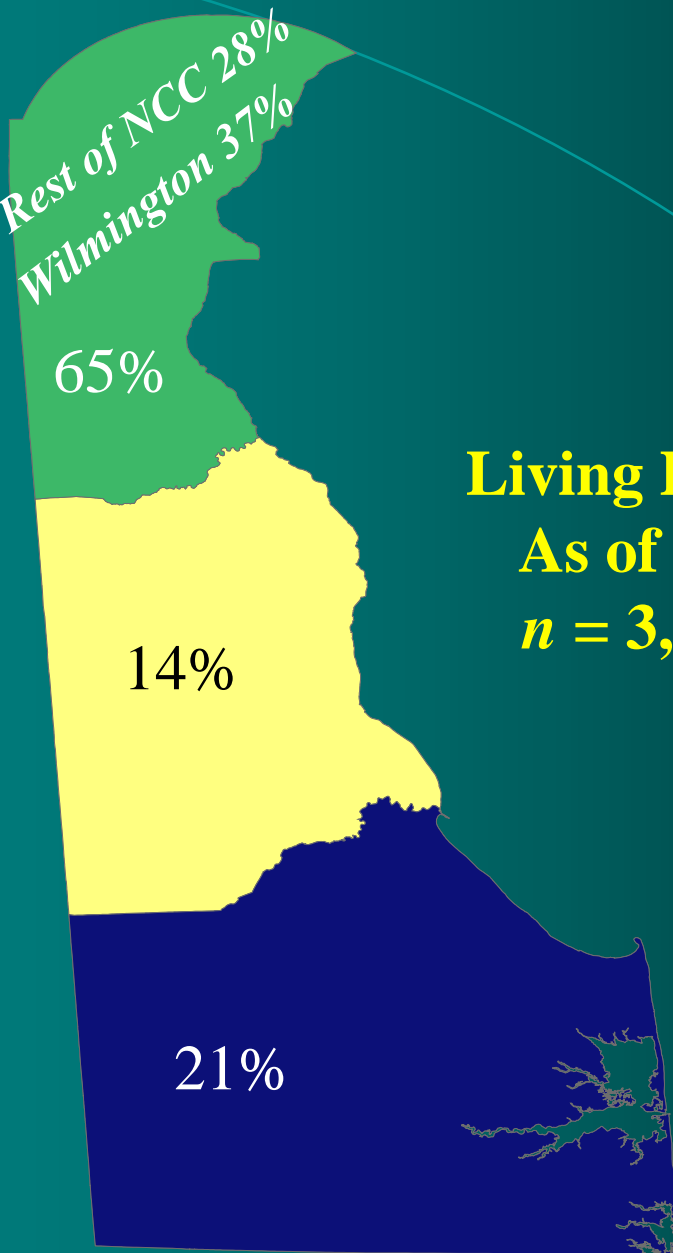
Rest of NCC 28%  
Wilmington 37%

65%

14%

21%

**Living HIV/AIDS**  
**As of Dec 2018**  
***n* = 3,501**

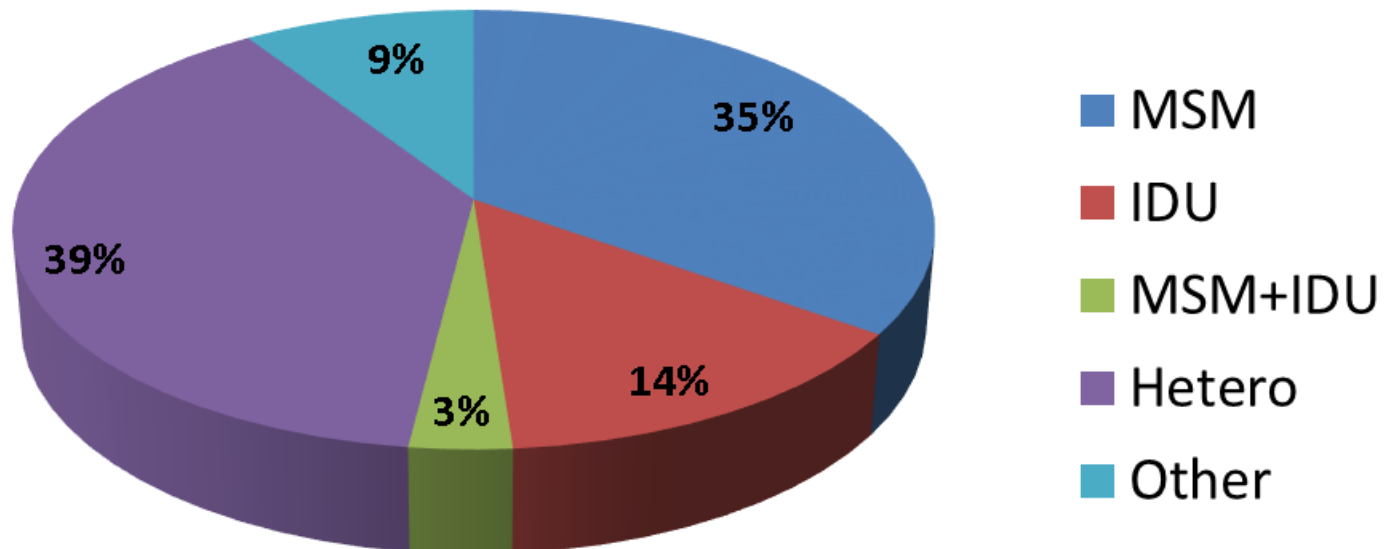


# Behavioral Risk Groupings



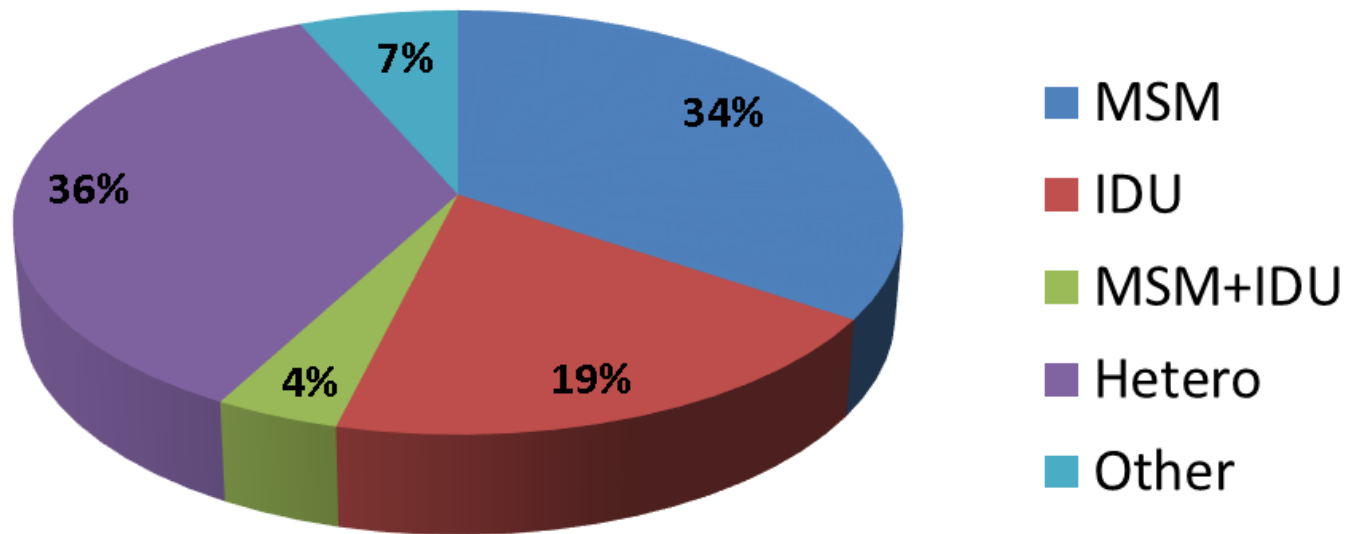
# Risk Categories by County of Residence

Mode of Exposure  
Living in Kent County



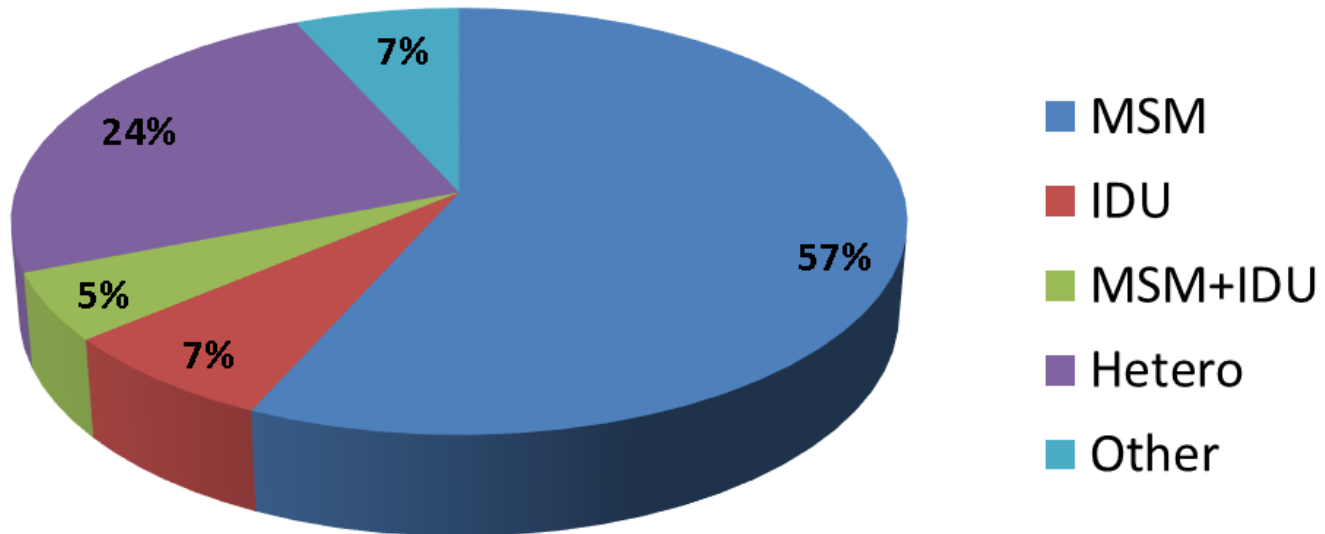
# Risk Categories by County of Residence

Mode of Exposure  
Living in New Castle County



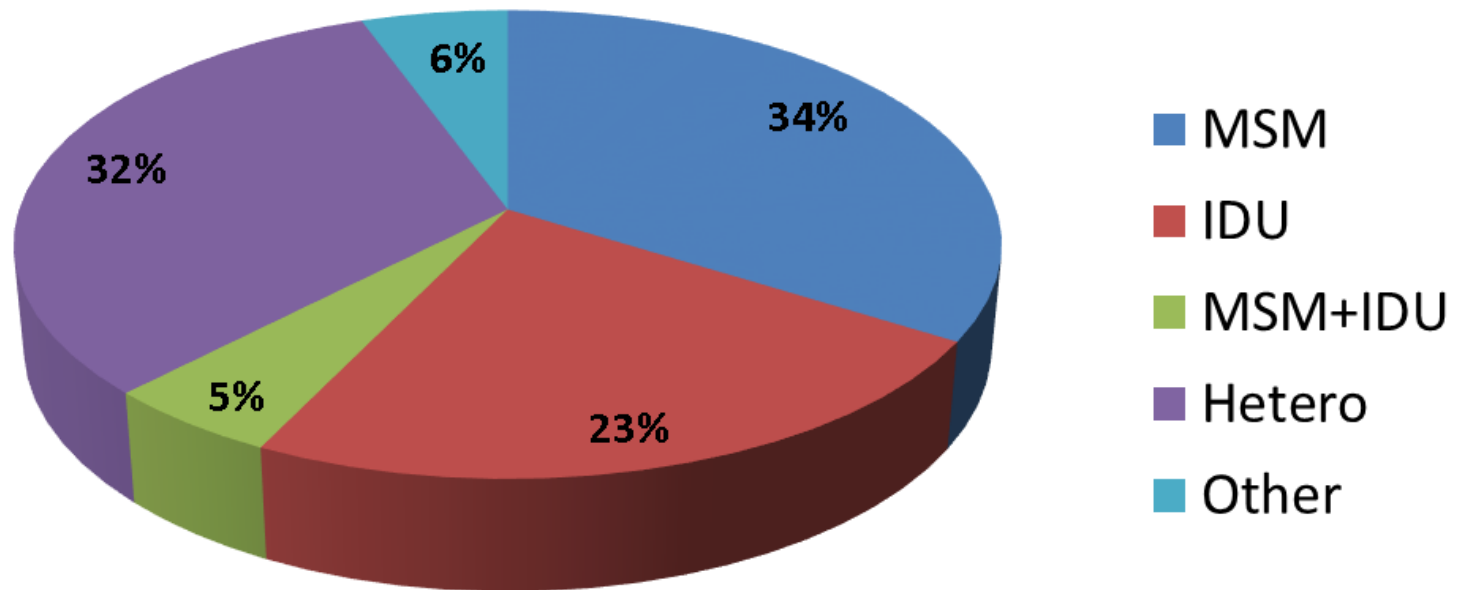
# Risk Categories by County of Residence

Mode of Exposure  
Living in Sussex County

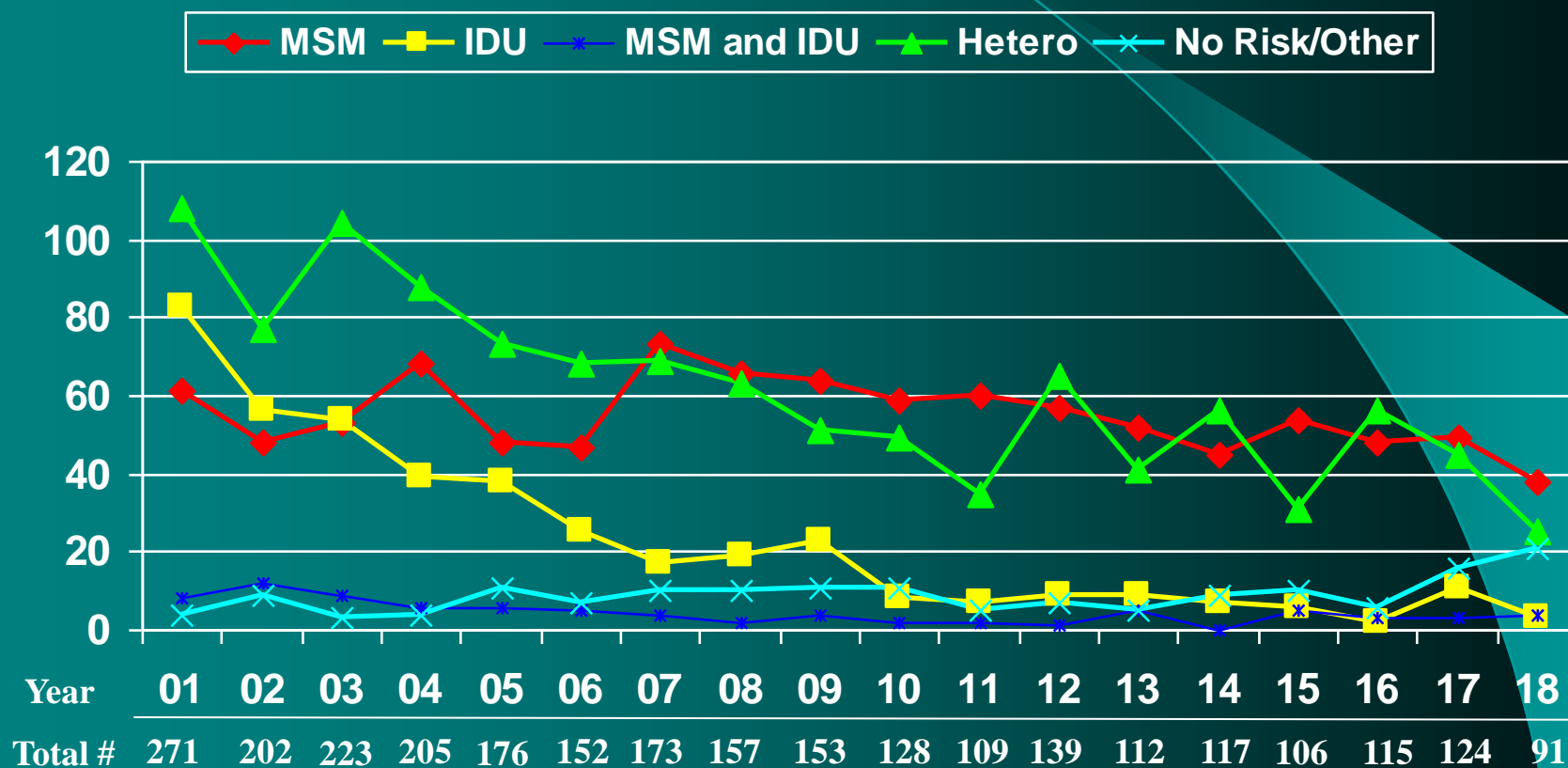


# Risk Categories in Wilmington Metro Area

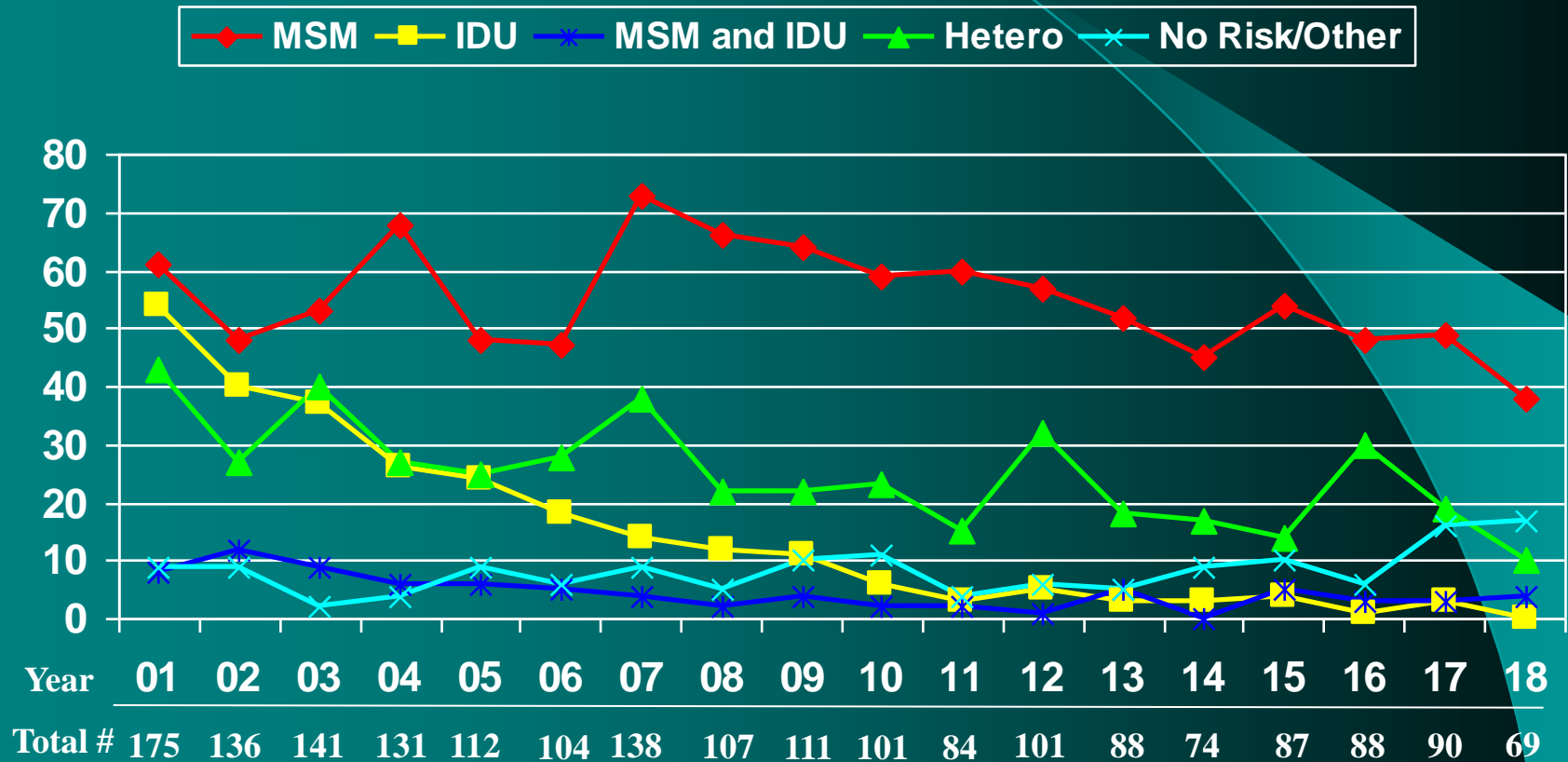
Mode of Exposure  
Living in Wilmington Metro



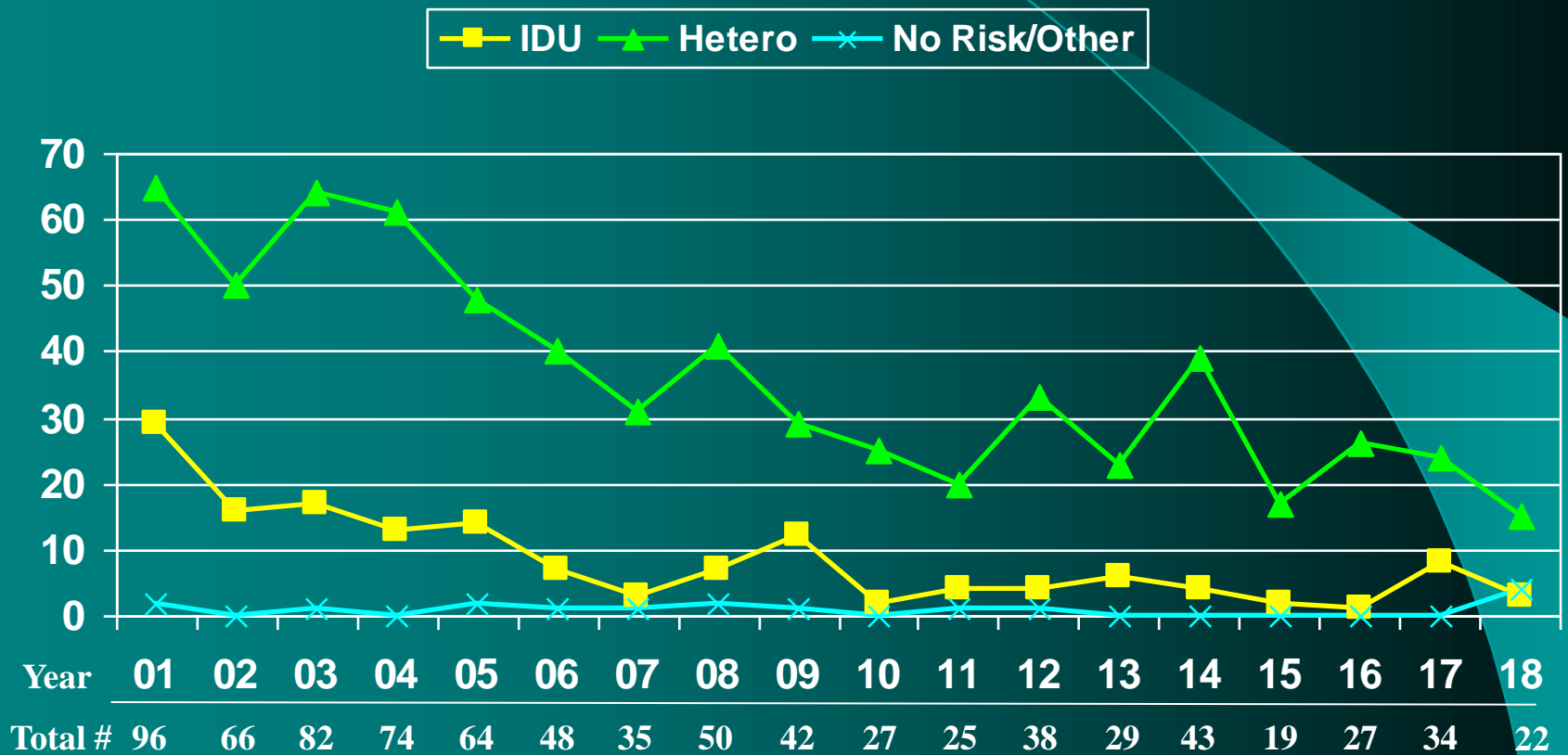
# New Infections Diagnosed in Delaware by Risk Group, 2001-2018



# New Infections in Males Diagnosed in Delaware by Risk Group, 2001-2018



# New Infections in Females Diagnosed in Delaware by Risk Group, 2001-2018



# National VS. Delaware Living HIV Cases by Race

## National - 2016

The distribution of living HIV cases by race nationally is

### % Among HIV

**30% White**

**42% Black**

**22% Hispanic**

**6% other races**

## Delaware - 2018

Delaware's living HIV cases through 2018 by race are

### % Among HIV

**33% White**

**56% Black**

**8% Hispanic**

**3% other races**



# National VS. Delaware Living Stage 3 HIV (AIDS) Cases by Race

National - 2016	Delaware - 2018
<p>The distribution of living AIDS cases by race nationally is</p> <p><u>% Among AIDS</u></p> <p>30% White</p> <p>41% Black</p> <p>23% Hispanic</p> <p>6% other races</p>	<p>Delaware's living AIDS cases through 2018 by race are</p> <p><u>% Among AIDS</u></p> <p>31% White</p> <p>59% Black</p> <p>7% Hispanic</p> <p>3% other races</p>

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

**(302) 744-1016**

