

2022 HIV Epidemiology Update

2021 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.
- 2021 Delaware Population Consortium
- 2019 CDC HIV/AIDS Surveillance Report

Questions

- Special data request may be made through the HIV Surveillance and Prevention Program
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 - (special data is that which is not specifically covered in the following slides)
 - Data request may require OCOMM approval

HIV Trends in Delaware

3,699 living cases of HIV (all stages)
December 2021

Prevalence Rates (per 100,000)

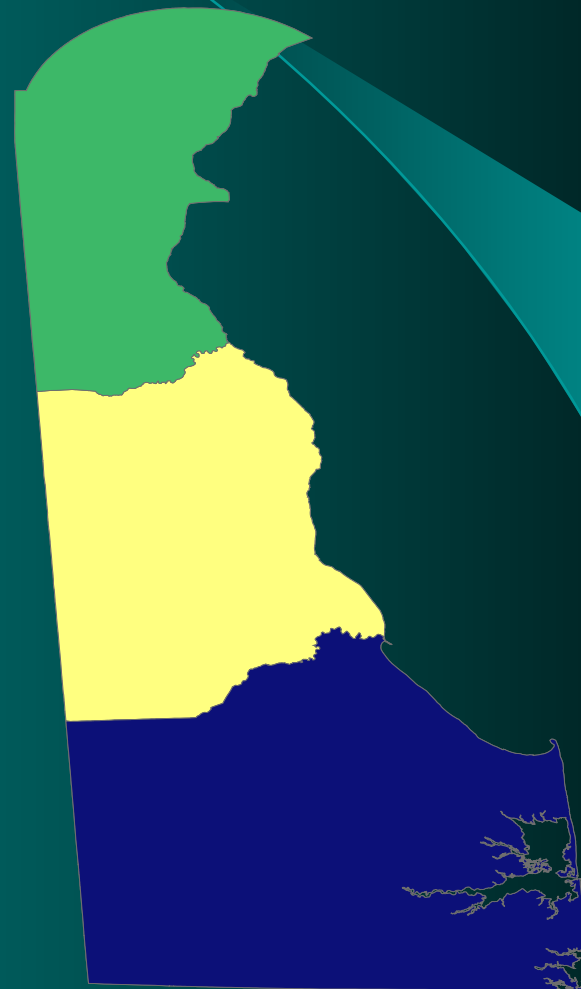
All Statewide = 372.86 (n = 3,699)

African Americans = 991.77 (n = 2,121)

White = 198.58 (n = 1,152)

Hispanic = 300.57 (n = 313)

(ratios based on 2021 DE Population Consortium Estimates and reported Living HIV cases)



Gender Groups

HIV Trends in Delaware

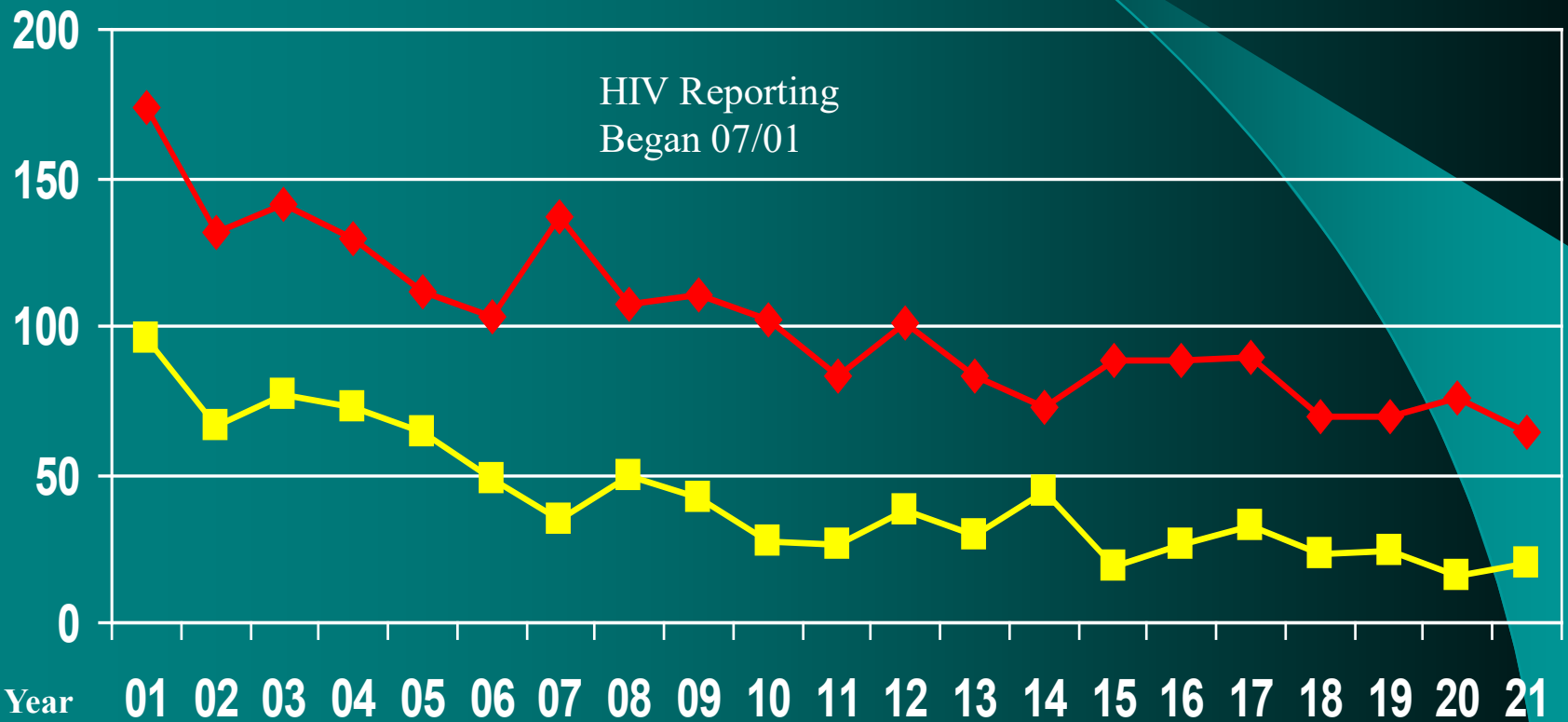
● Gender

--Males - 48% of Delaware's population, yet 71% of all reported HIV cases through 2021

--Females - 52% of Delaware's population, 29% of all reported Delaware cases through 2021

New Infections in Delaware by gender 2001 - 2021

Male Female



Total # 270 198 218 203 176 151 172 157 153 128 109 139 112 118 107 114 123 92 93 92 84

Source: Delaware Department of Health and Social Services, Division of Public Health, 2022.

Race Ethnicity Groups

TRENDS IN DE (Cont)

- **Ethnicity**

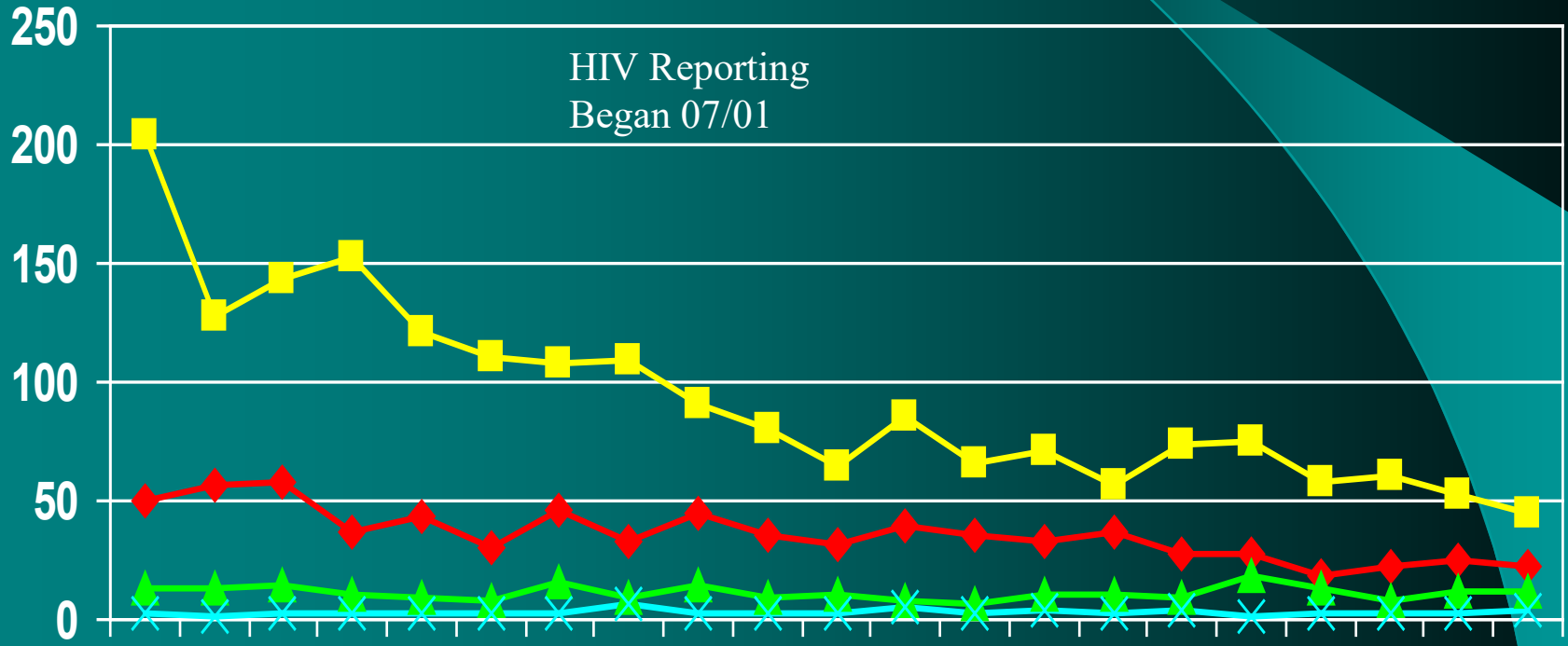
- African Americans (disproportionately high HIV rate)

- 44% cases attributed to African-Americans in the late 80s---**Stands at 65% at the end of 2021 despite being 22% of Delaware's population**

New Infections Diagnosed in Delaware Race/Ethnic Groups, 2001-2021



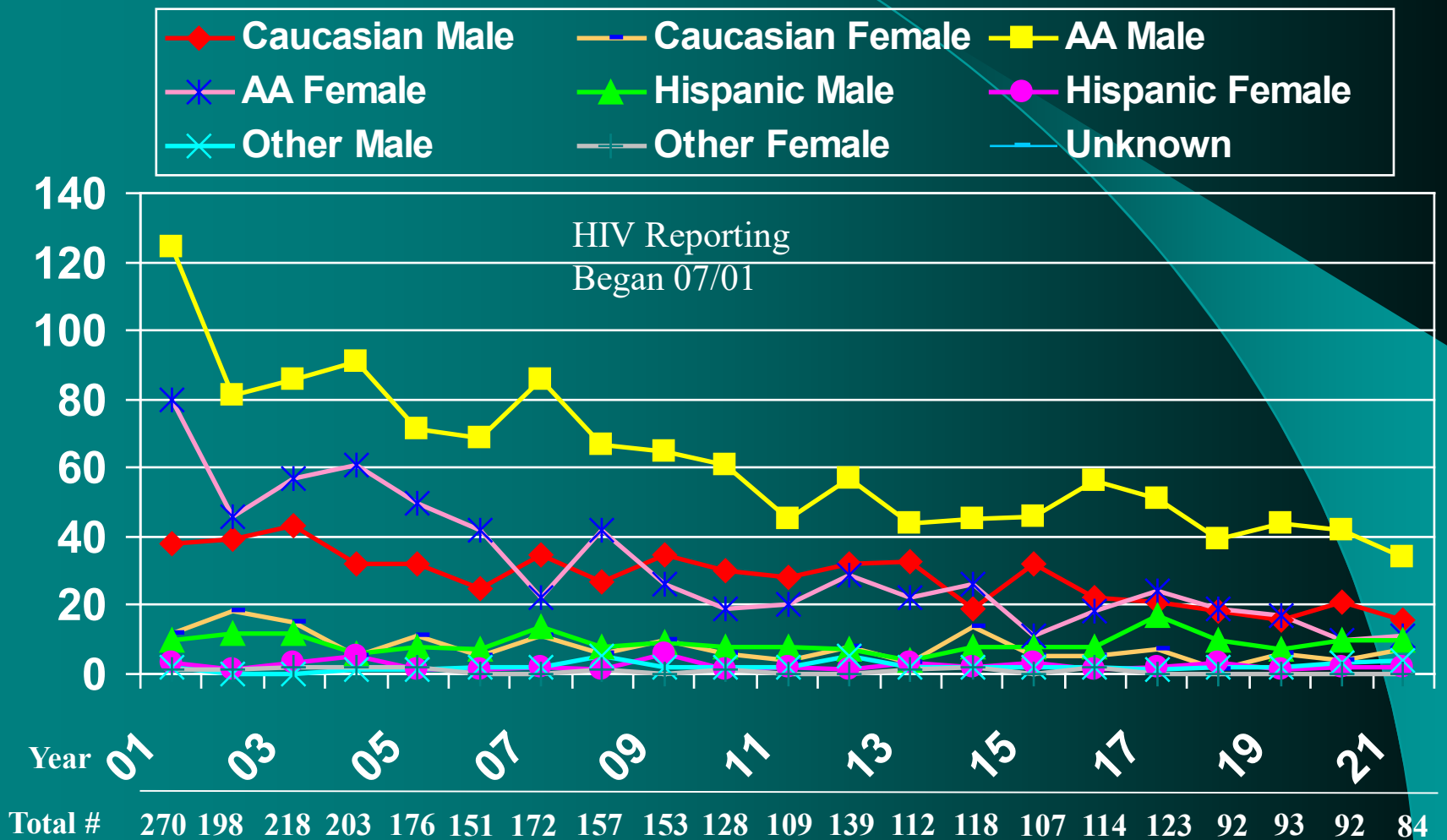
NOTE: Other = Am Indian, Native Alaskan Asian, Native Hawaiian and Multi Race



Year	01	02	03	04	05	06	07	08	09	10	11	12	13	14	15	16	17	18	19	20	21
Total #	270	198	218	203	176	151	172	157	153	128	109	139	112	118	107	114	123	92	93	92	84

Source: Delaware Department of Health and Social Services, Division of Public Health, 2022.

New Infections Diagnosed in Delaware by Gender and Race/Ethnic Groups, 2001-2021



Source: Delaware Department of Health and Social Services, Division of Public Health, 2022.

Age Groups

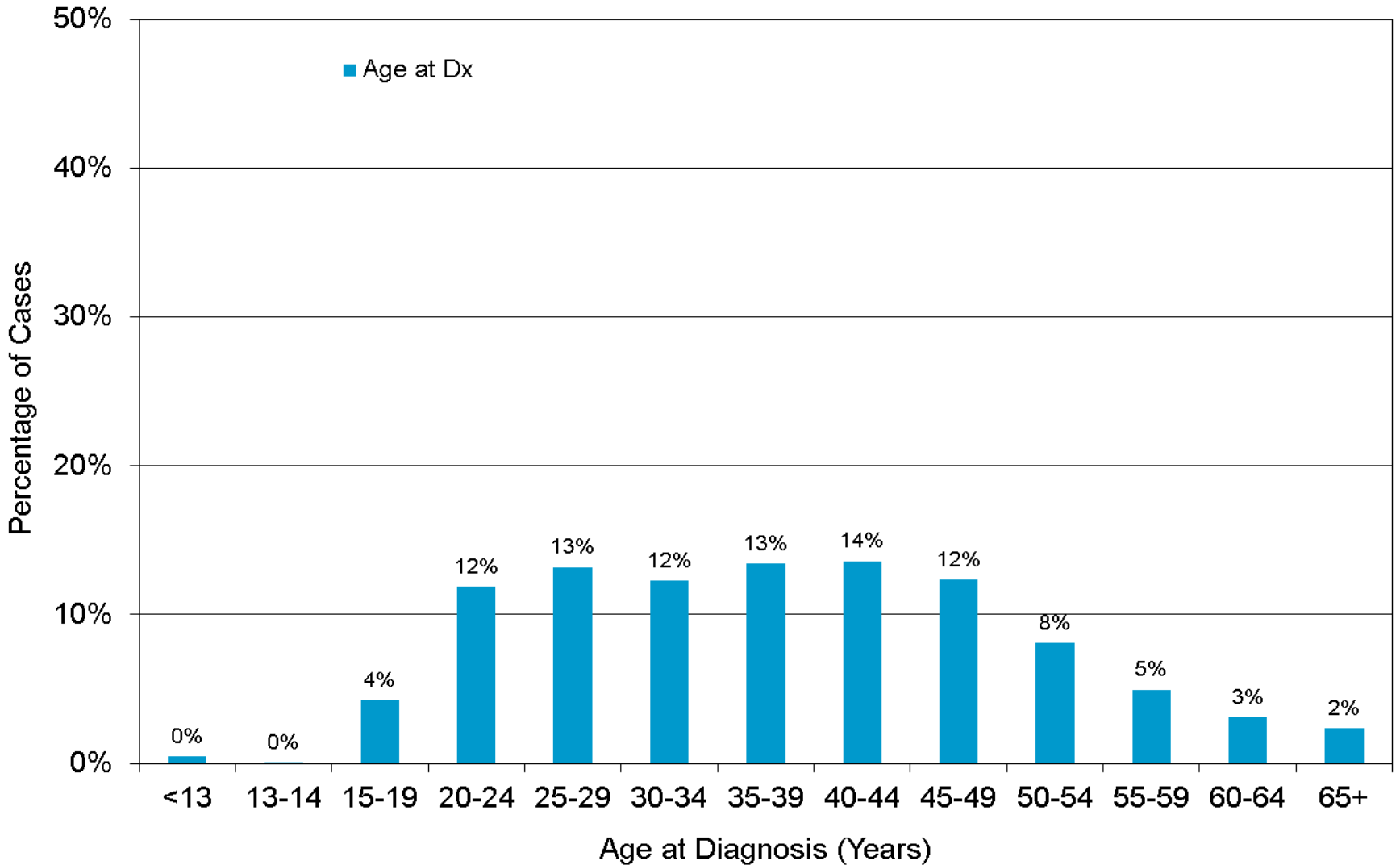
TRENDS IN DE (Cont)

● AGE

HIV

- 77% reported were between ages of 20 – 49 at diagnoses
- Teen groups not infected at rates seen in many other states, DE = 4%

New Infections Diagnosed in Delaware by age Group, 2001-2021



Mortality

TRENDS IN DE (Cont)

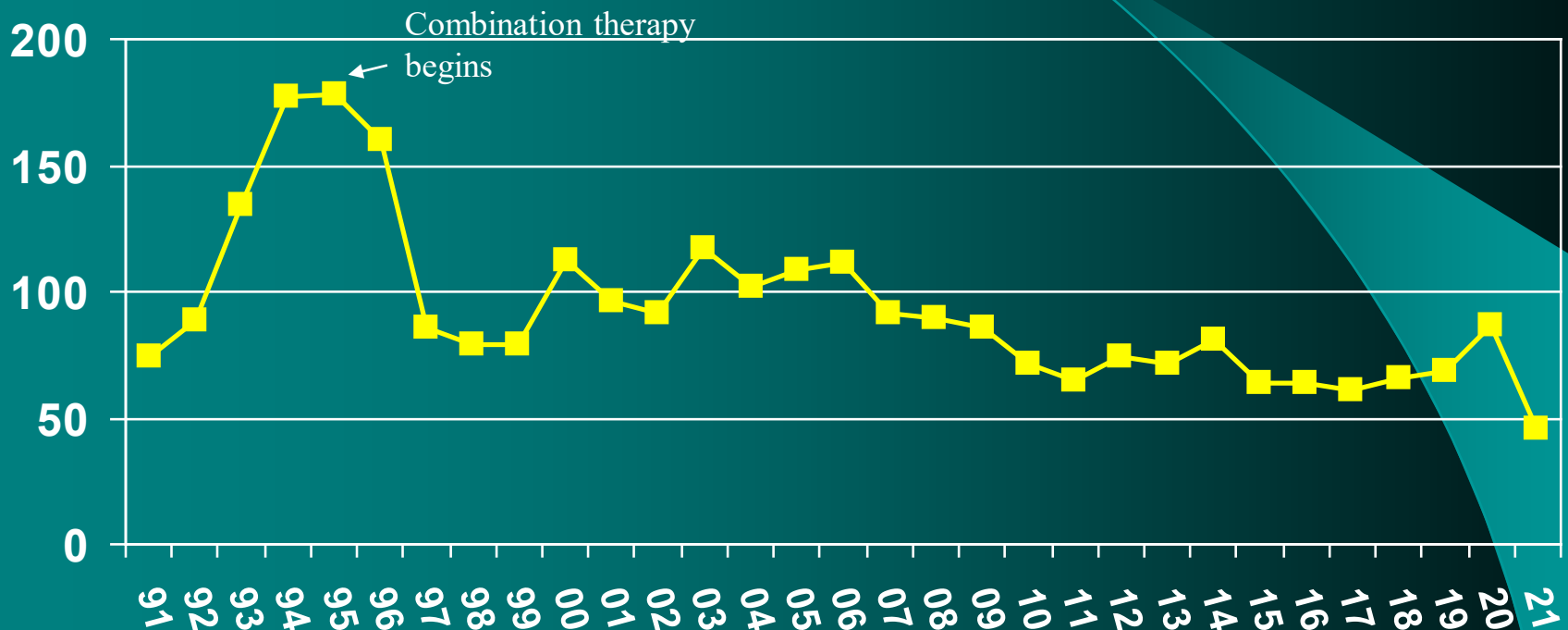
- **Mortality**

Better Treatment = Longer lives

HIV Deaths - 1991 to 2021

3,699 Living with HIV in December 2021

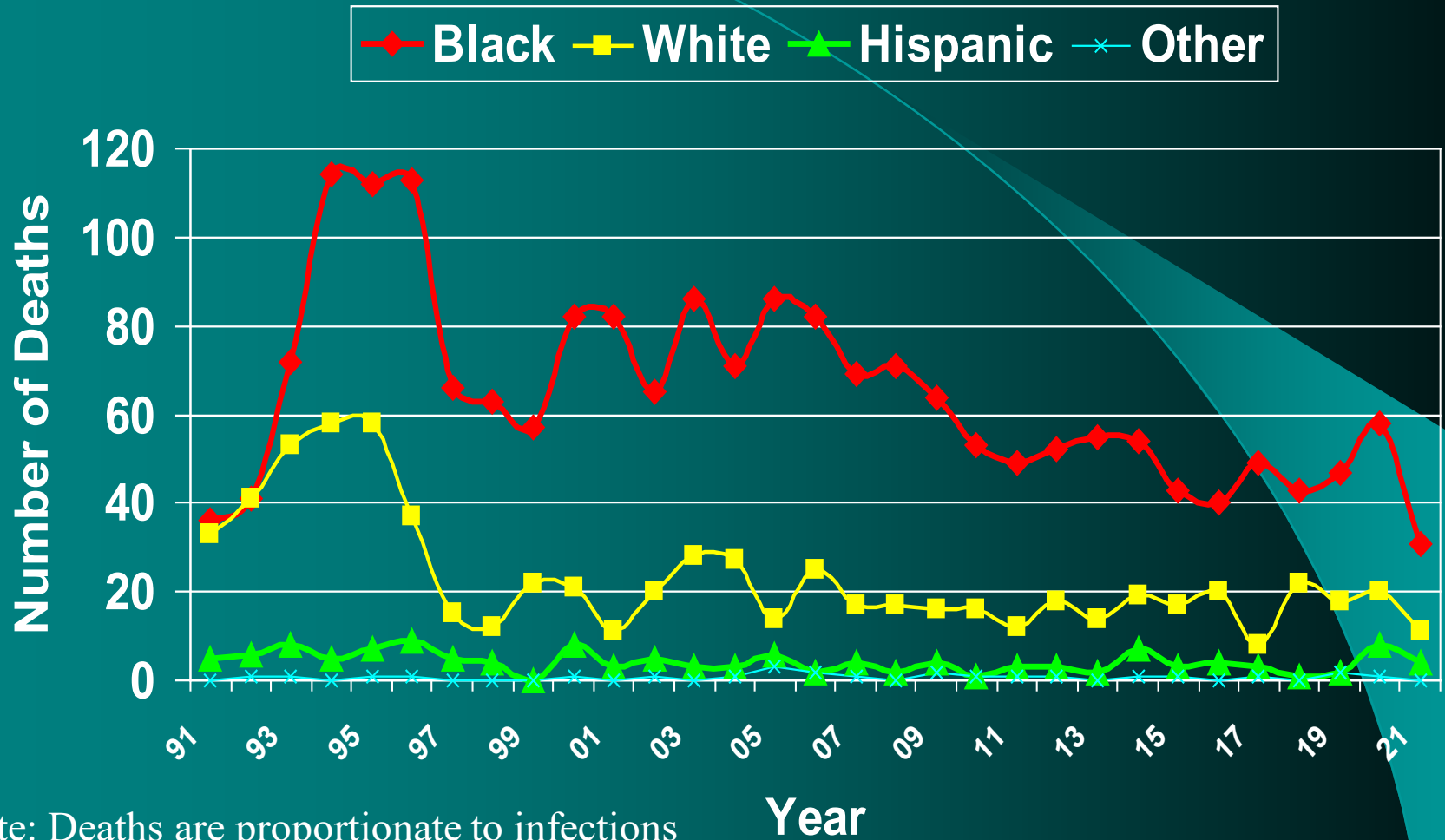
Deaths



523 Living with HIV in December 1988

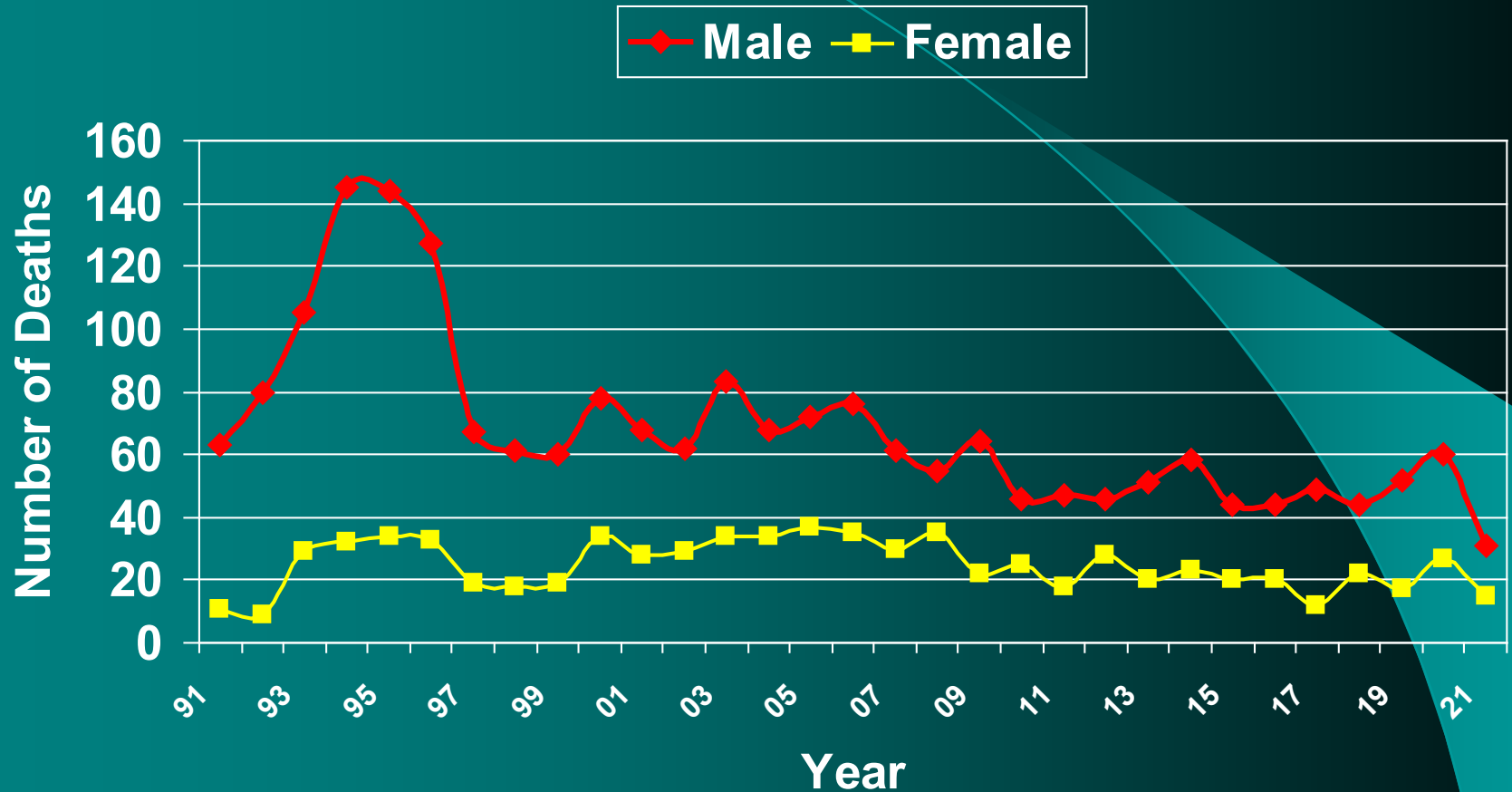
Source: Delaware Department of Health and Social Services, Division of Public Health, 2022.

HIV Deaths by Race, 1991 to 2021



Note: Deaths are proportionate to infections across groups

HIV Deaths by Gender, 1991 to 2021

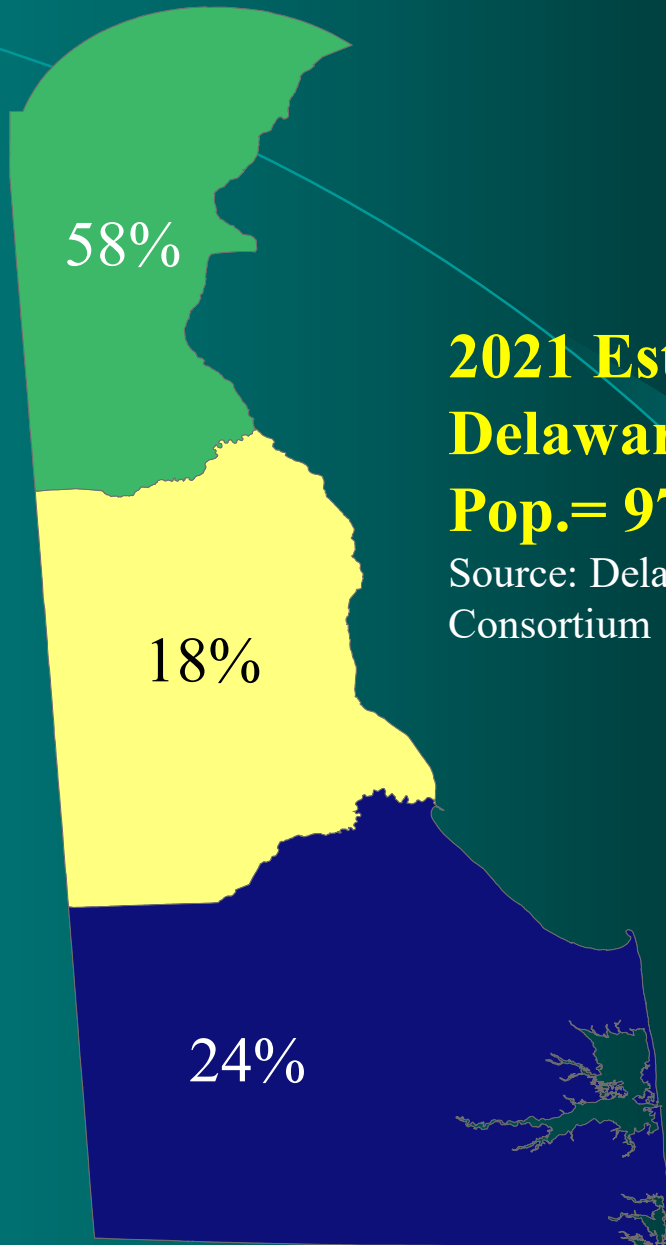
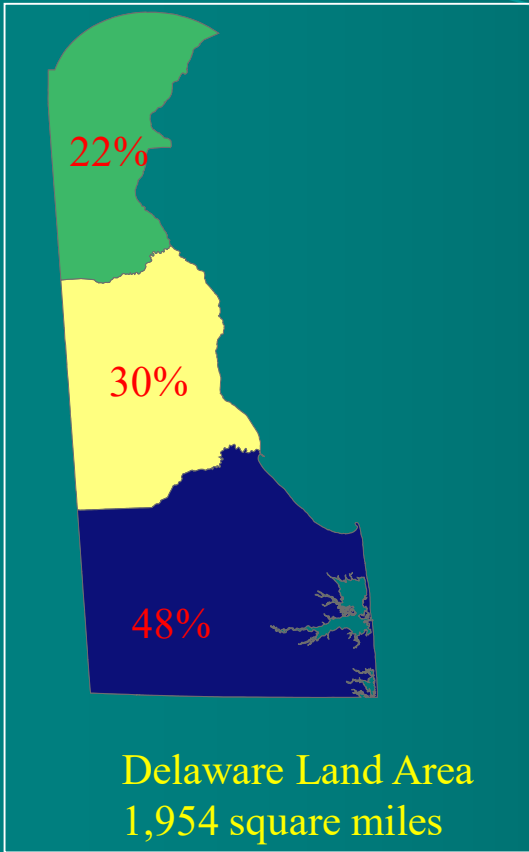


HIV Deaths, 1991 to 2021

Death due to underlying HIV disease		
HIV Related	Frequency	Percent
No	1070	34.63
Undetermined	125	4.08
Yes	1894	61.29

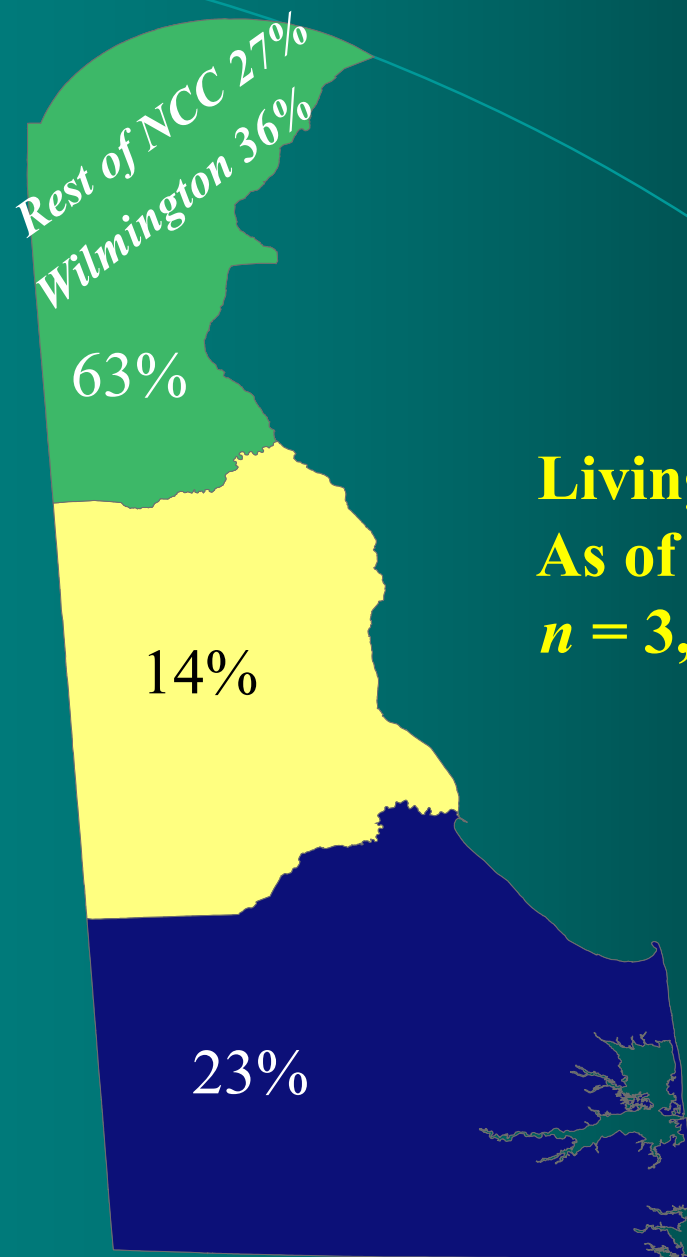
Geography

--47% of all HIV/AIDS cases reported in Delaware through 2020 originated from Wilmington Metropolitan area.



**2021 Estimated
Delaware
Pop.= 977,780**

Source: Delaware Population Consortium

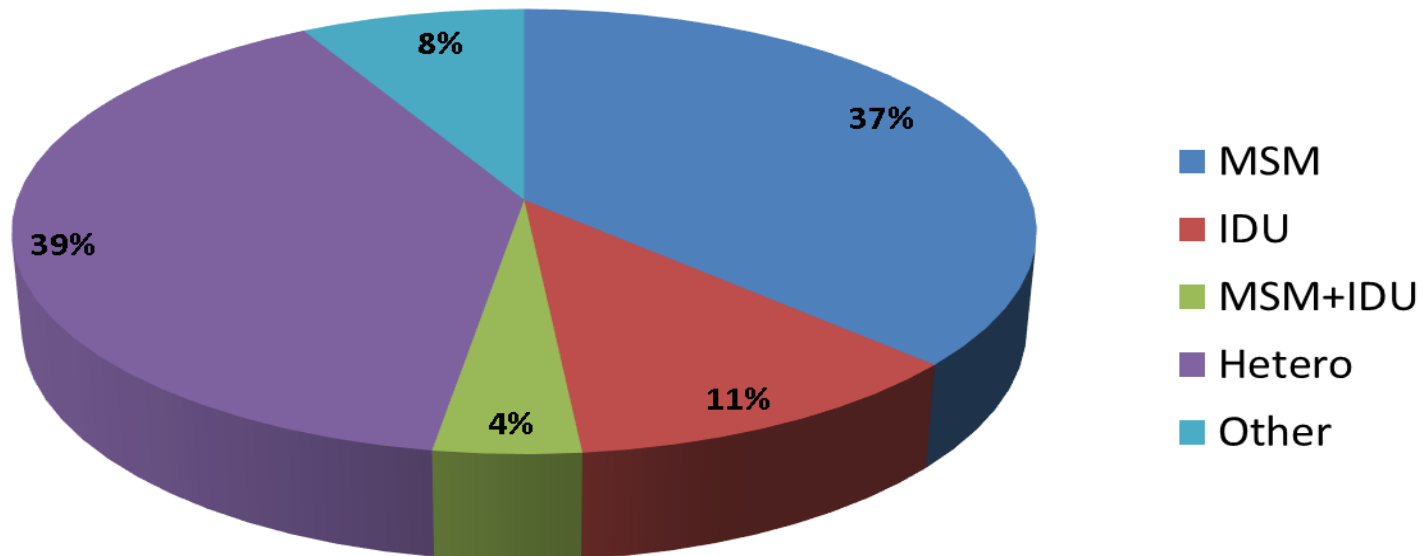


Living with HIV
As of Dec 2021
***n* = 3,699**

Behavioral Risk Groupings

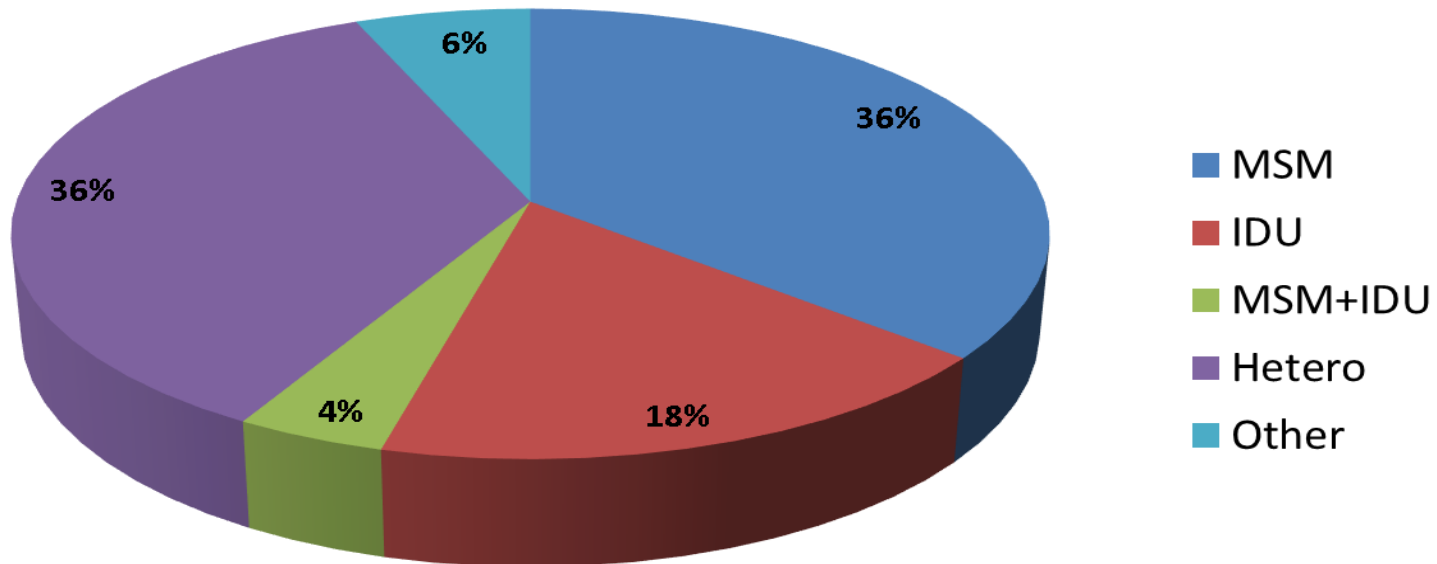
Risk Categories by County of Residence

Mode of Exposure
Living in Kent County



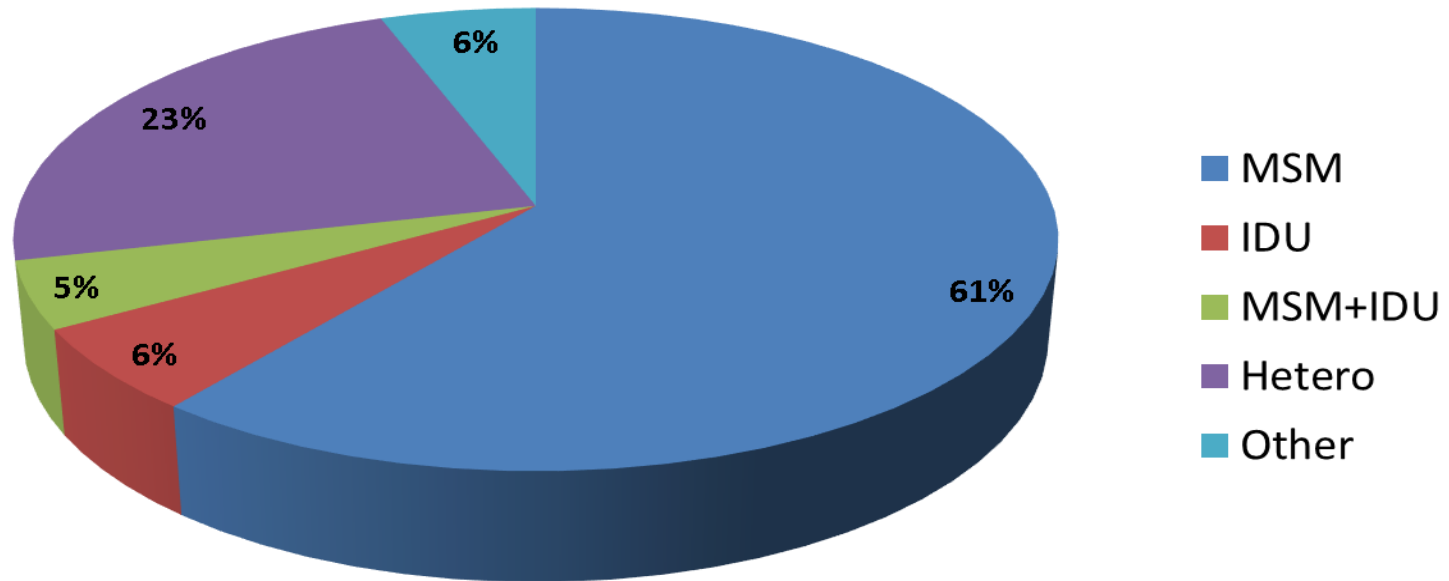
Risk Categories by County of Residence

Mode of Exposure
Living in New Castle County



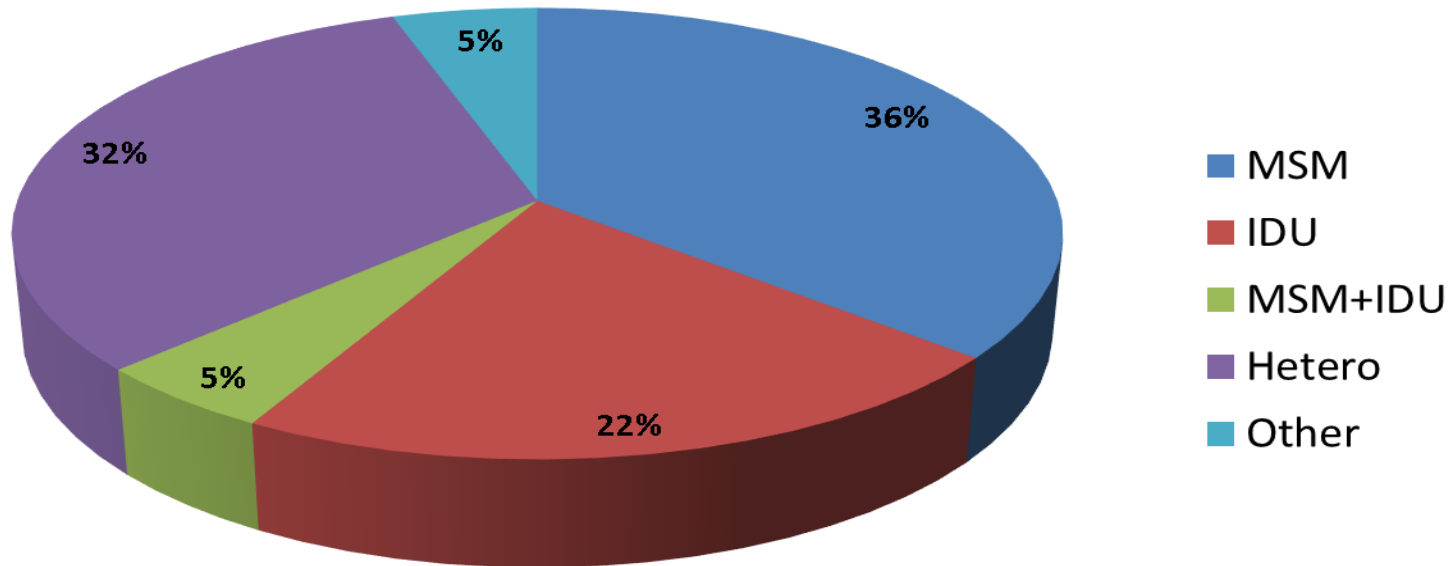
Risk Categories by County of Residence

Mode of Exposure
Living in Sussex County

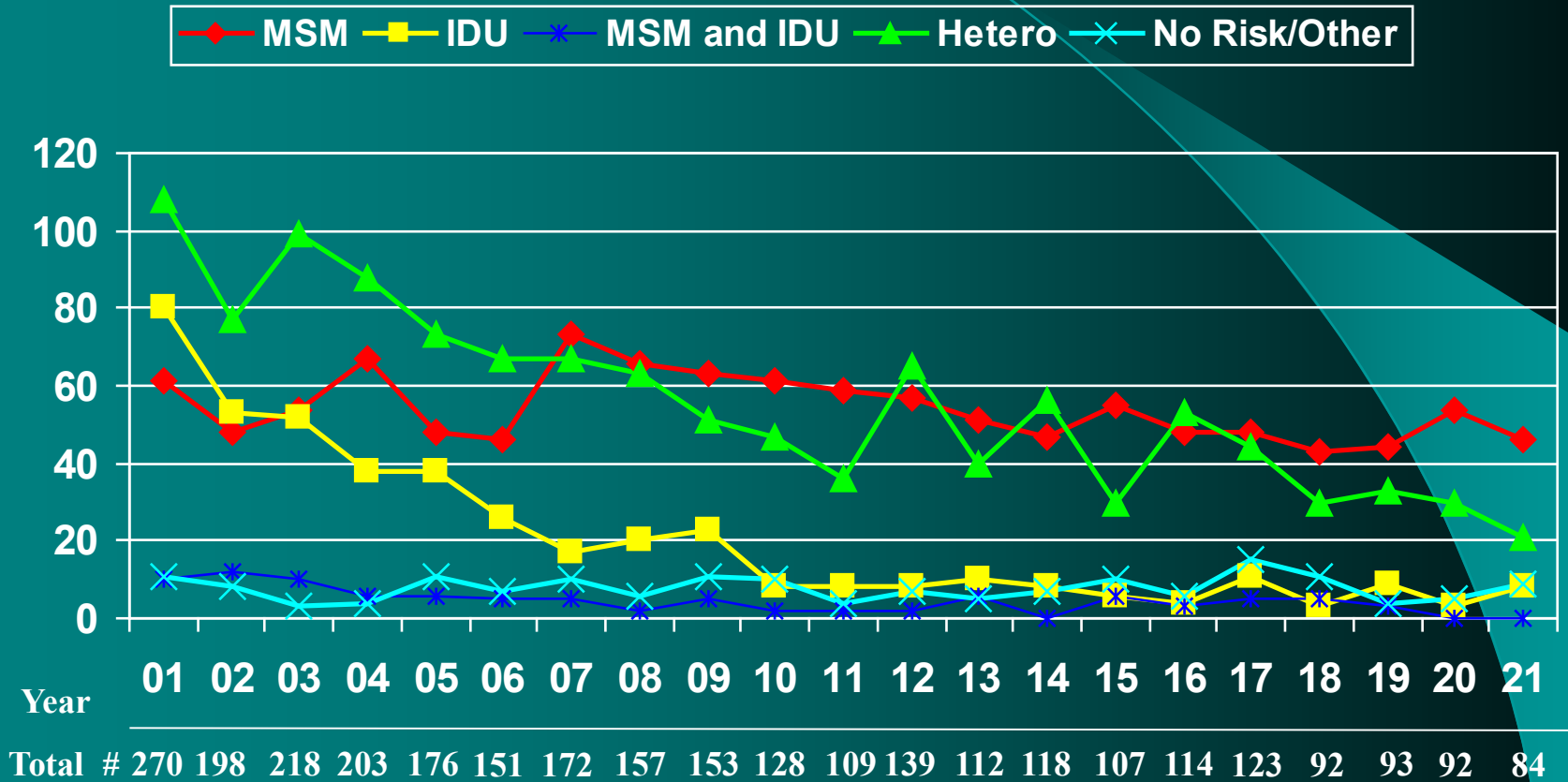


Risk Categories in Wilmington Metro Area

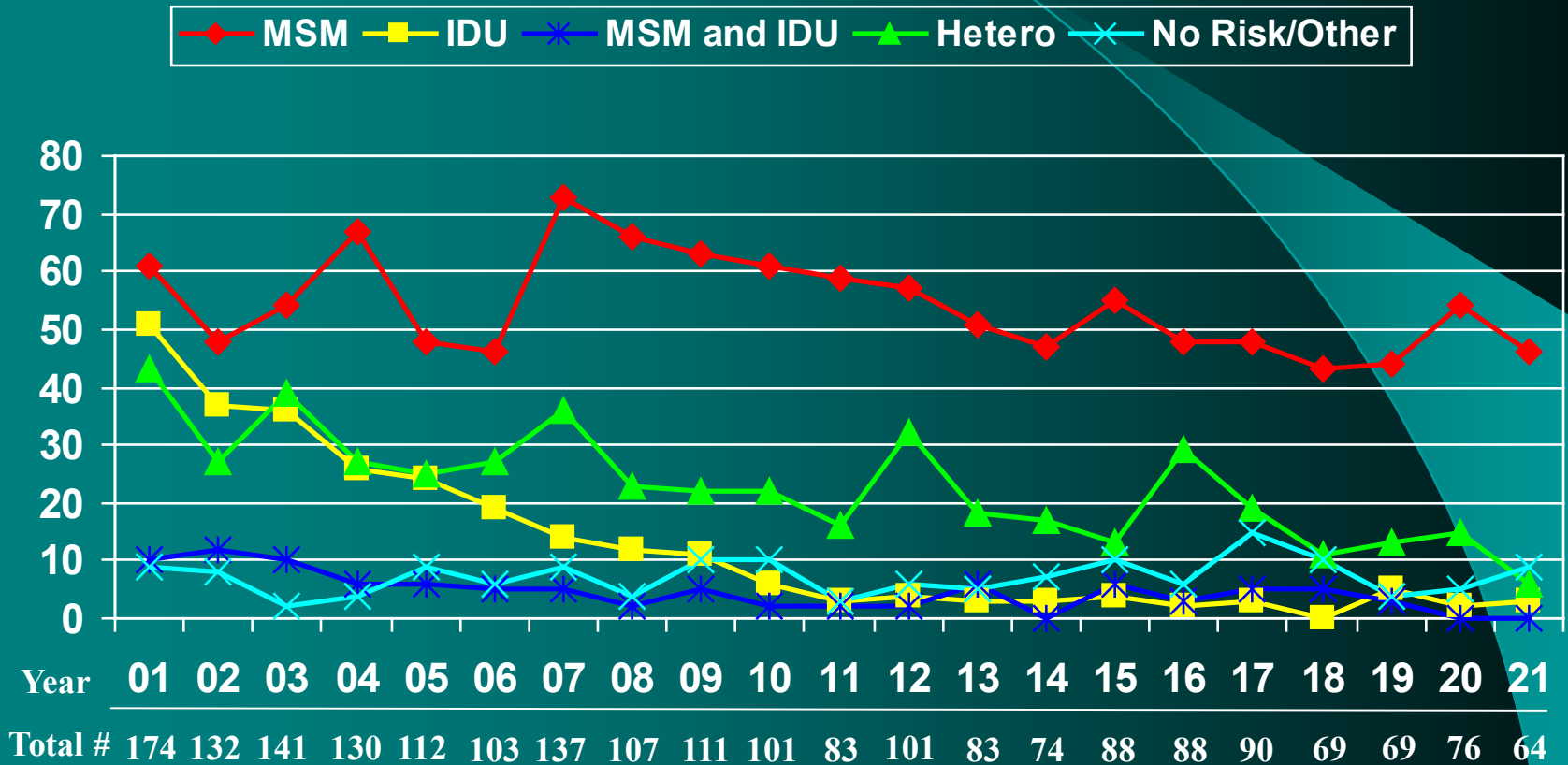
Mode of Exposure
Living in Wilmington Metro



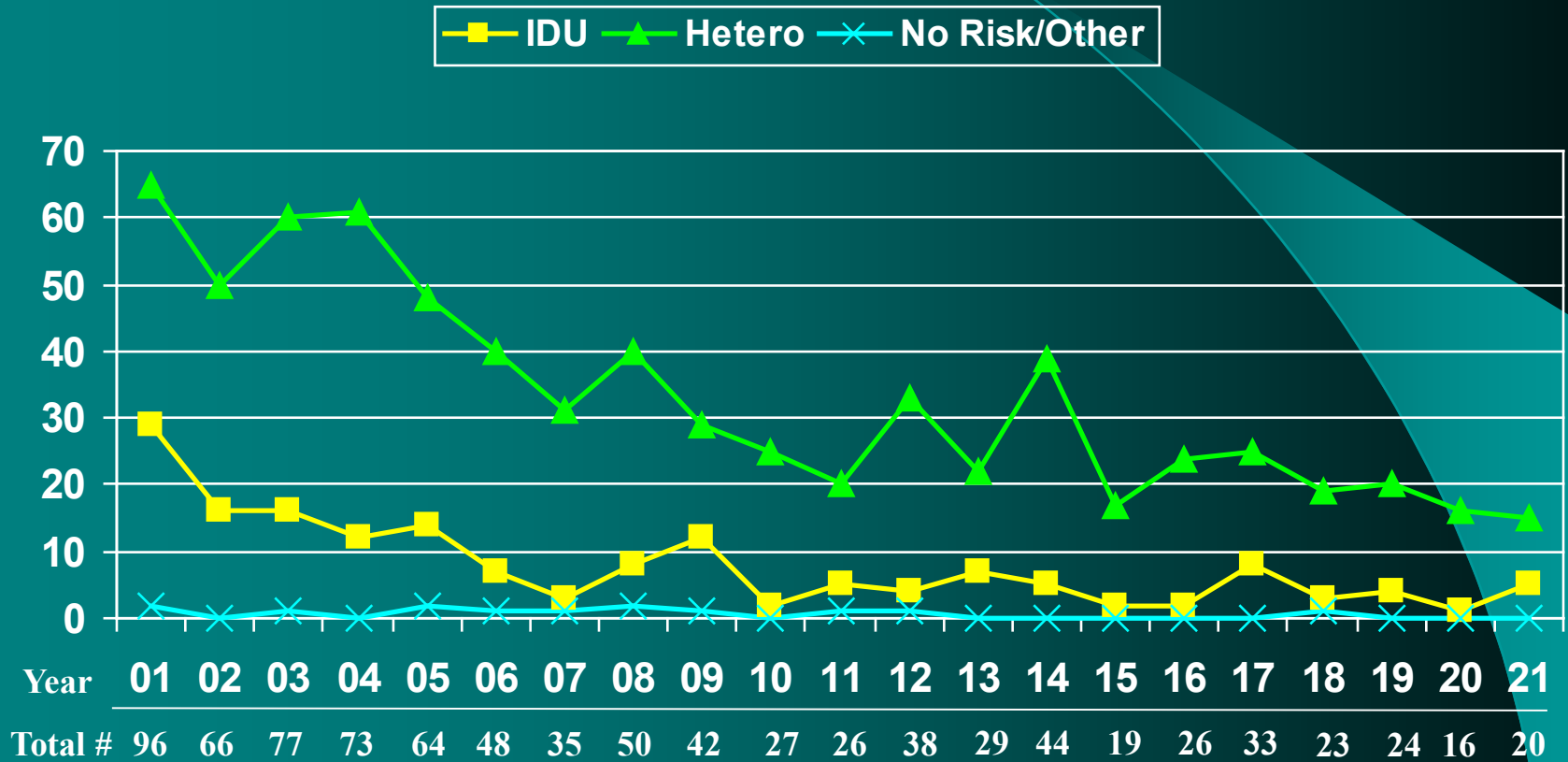
New Infections Diagnosed in Delaware by Risk Group, 2001-2021



New Infections in Males Diagnosed in Delaware by Risk Group, 2001-2021



New Infections in Females Diagnosed in Delaware by Risk Group, 2001-2021



Source: Delaware Department of Health and Social Services, Division of Public Health, 2022.

National VS. Delaware Persons Living with HIV all Stages

National - 2019	Delaware - 2021
<p>The distribution of living HIV cases by race nationally is</p> <p><u>% Among HIV</u></p> <p>29% White</p> <p>40% Black</p> <p>24% Hispanic</p> <p>7% other races</p>	<p>Delaware's living HIV cases through 2021 by race are</p> <p><u>% Among HIV</u></p> <p>31% White</p> <p>57% Black</p> <p>9% Hispanic</p> <p>3% other races</p>

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