2020 HIV/AIDS Epidemiology Update
2019 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.
- 2019 Delaware Population Consortium
- 2018 CDC HIV/AIDS Surveillance Report
Questions

- Special data request must be made through HIV/AIDS Surveillance Epidemiologist
  - Phone – (302)744-1016
  - Email – james.dowling@Delaware.gov
  - (special data is that which is not specifically covered in the following slides)
HIV/AIDS Trends in Delaware
3,543 living cases of HIV (all stages)
December 2019

Prevalence Rates (per 100,000)
- All Statewide = 362.35 (n = 3,543)
- African Americans = 975.85 (n = 2,073)
- White = 184.20 (n = 1,109)
- Hispanic = 293.85 (n = 273)

(ratios based on 2019 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 2019
  - Females - 52% of Delaware’s population, 28% of all reported Delaware cases through 2019
New Infections in Delaware by gender 2001 - 2019

HIV Reporting
Began 07/01

<table>
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<th>Year</th>
<th>Total #</th>
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<tr>
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<td>02</td>
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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 2019 despite being 22% of Delaware’s population
New Infections Diagnosed in Delaware Race/Ethnic Groups, 2001-2019

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

HIV Reporting
Began 07/01

Year
01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19

Total #
271 201 220 203 176 151 172 157 153 129 109 139 112 117 106 115 124 92 93
New Infections Diagnosed in Delaware by Gender and Race/Ethnic Groups, 2001-2019

HIV Reporting Began 07/01

Year

01 02 03 04 05 06 07 08 09 10 11 12 13 14 15 16 17 18 19

Total #

271 201 220 203 176 151 172 157 153 129 109 139 112 117 106 115 124 92 93
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%

Stage 3 HIV (AIDS)

- 72% reported were between ages 30-54 at diagnoses
New Infections Diagnosed in Delaware by age Group, 2001-2019

Percentage of Cases

Age at Diagnosis (Years)


Percentage

0%  0%  4%  12%  13%  12%  14%  14%  13%  8%  5%  3%  2%
Mortality
TRENDS IN DE (Cont)

- Mortality
  Better Treatment = Longer lives
HIV/AIDS Deaths
1991 Through 2019

Deaths

Combination therapy begins

523 Living with HIV in December 1988

3,543 Living with HIV in December 2018

2019 death ascertainment incomplete
HIV/AIDS Deaths by Race, 1991 to 2019

Note: Deaths are proportionate to infections across groups
HIV/AIDS Deaths by Gender, 1991 to 2019

- Male
- Female

2019 death ascertainment incomplete
HIV/AIDS Deaths, 1991 to 2019

<table>
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<tr>
<th>HIV Related</th>
<th>Frequency</th>
<th>Percent</th>
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<tr>
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<td>78</td>
<td>2.69</td>
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<tr>
<td>Yes</td>
<td>1854</td>
<td>64.04</td>
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Geography

-47% of all HIV/AIDS cases reported in Delaware through 2018 originated from Wilmington Metropolitan area.
2019 Estimated Delaware Pop.= 977,780
Source: Delaware Population Consortium

Delaware Land Area
1,954 square miles
Living HIV/AIDS
As of Dec 2019
n = 3,543
Behavioral Risk Groupings
Risk Categories by County of Residence

Mode of Exposure Living in Kent County

- MSM: 36%
- IDU: 13%
- MSM+IDU: 9%
- Hetero: 39%
- Other: 3%
Risk Categories by County of Residence

Mode of Exposure
Living in New Castle County

- MSM: 35%
- IDU: 19%
- MSM+IDU: 4%
- Hetero: 6%
- Other: 36%
Risk Categories by County of Residence

Mode of Exposure
Living in Sussex County

- MSM: 58%
- IDU: 8%
- MSM+IDU: 5%
- Hetero: 24%
- Other: 6%
Risk Categories in Wilmington Metro Area

Mode of Exposure Living in Wilmington Metro

- MSM: 35%
- IDU: 22%
- MSM+IDU: 5%
- Hetero: 33%
- Other: 5%
New Infections Diagnosed in Delaware by Risk Group, 2001-2019

Total # of New Infections by Year:
- Year 01: 271
- Year 02: 201
- Year 03: 220
- Year 04: 203
- Year 05: 176
- Year 06: 151
- Year 07: 172
- Year 08: 157
- Year 09: 153
- Year 10: 129
- Year 11: 109
- Year 12: 139
- Year 13: 112
- Year 14: 117
- Year 15: 106
- Year 16: 115
- Year 17: 124
- Year 18: 92
- Year 19: 93

Risk Groups:
- MSM
- IDU
- MSM and IDU
- Hetero
- No Risk/Other
New Infections in Males Diagnosed in Delaware by Risk Group, 2001-2019

- MSM
- IDU
- MSM and IDU
- Hetero
- No Risk/Other

Year | Total #
--- | ---
01 | 175
02 | 135
03 | 140
04 | 130
05 | 112
06 | 103
07 | 137
08 | 107
09 | 111
10 | 102
11 | 83
12 | 101
13 | 83
14 | 73
15 | 87
16 | 88
17 | 90
18 | 69
19 | 69
New Infections in Females Diagnosed in Delaware by Risk Group, 2001-2019
# National VS. Delaware Persons Living with HIV all Stages

## National - 2018

The distribution of living HIV cases by race nationally is:

- **% Among HIV**
  - 30% White
  - 41% Black
  - 23% Hispanic
  - 6% other races

## Delaware - 2019

Delaware’s living HIV cases through 2019 by race are:

- **% Among HIV**
  - 31% White
  - 57% Black
  - 8% Hispanic
  - 3% other races
Email Questions To
james.dowling@state.de.us

(302) 744-1016