2017 HIV/AIDS Epidemiology Update
2016 Data

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Division of Public Health
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
  - (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
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

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

HIV Reporting
Began 07/01
New Infections Diagnosed in Delaware by Gender and Race/Ethnic Groups, 1997-2016

Year: 1997-2016

- Caucasian Male
- Caucasian Female
- AA Male
- AA Female
- Hispanic Male
- Hispanic Female
- Other Male
- Other Female
- Unknown

HIV Reporting Began 07/01

Total #:
- 1997: 205
- 1999: 220
- 2001: 146
- 2003: 222
- 2005: 216
- 2007: 181
- 2009: 151
- 2011: 174
- 2013: 162
- 2015: 152
- 2017: 131
- 2019: 109
- 2021: 138
- 2023: 113
- 2025: 117
- 2027: 103
- 2029: 120

Graph showing trends and statistics for new infections diagnosed in Delaware by gender and race/ethnic groups from 1997 to 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

2016 death ascertainment incomplete

523 Living with HIV/AIDS in December 1988
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

- Male
- Female

2015 death ascertainment incomplete
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

Delaware Land Area
1,954 square miles
Cumulative HIV/AIDS Cases

**n = 5,981**

- **74%**
- **11%**
- **15%**
- **22%**
- **30%**
- **48%**

**Delaware Land Area**
1,954 square miles

**2016 Delaware Pop. = 954,077**

- **59%**
- **18%**
- **23%**

Rest of NCC 27%
Wilmington 47%

Cumulative HIV/AIDS Cases
Cumulative HIV/AIDS Cases

- Rest of NCC 27%
- Wilmington 47%
- 74%

Living HIV/AIDS

- Rest of NCC 27%
- Wilmington 39%
- 66%

- 13%
- 21%
- 11%
- 15%

\[ n = 5,981 \]

\[ n = 3,381 \]
Behavioral Risk Groupings
Risk Categories by County of Residence

Mode of Exposure Living in Kent County
- MSM: 38%
- IDU: 34%
- MSM+IDU: 11%
- Hetero: 14%
- Other: 3%

Mode of Exposure Living in New Castle County
- MSM: 33%
- IDU: 22%
- MSM+IDU: 4%
- Hetero: 36%
- Other: 4%

Mode of Exposure Living in Sussex County
- MSM: 55%
- IDU: 27%
- MSM+IDU: 5%
- Hetero: 9%
- Other: 4%
Risk Categories in Wilmington Metro Area

Mode of Exposure
Living in Wilmington Metro

- MSM: 33%
- IDU: 26%
- MSM+IDU: 5%
- Hetero: 5%
- Other: 32%
New Infections Diagnosed in Delaware by Risk Group, 1997-2016

- MSM
- IDU
- MSM and IDU
- Hetero
- No Risk/Other
New Infections in Males Diagnosed in Delaware by Risk Group, 1997-2016

<table>
<thead>
<tr>
<th>Year</th>
<th>MSM</th>
<th>IDU</th>
<th>MSM and IDU</th>
<th>Hetero</th>
<th>No Risk/Other</th>
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New Infections in Females Diagnosed in Delaware by Risk Group, 1997-2016
National VS. Delaware Living HIV Cases by Race

<table>
<thead>
<tr>
<th>National - 2014</th>
<th>Delaware - 2016</th>
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<tbody>
<tr>
<td>The distribution of living HIV cases by race nationally is</td>
<td>Delaware’s living HIV cases through 2016 by race are</td>
</tr>
<tr>
<td>% Among HIV</td>
<td>% Among HIV</td>
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<tr>
<td>31% White</td>
<td>33% White</td>
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<tr>
<td>42% Black</td>
<td>57% Black</td>
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<tr>
<td>22% Hispanic</td>
<td>7% Hispanic</td>
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<tr>
<td>5% other races</td>
<td>3% other races</td>
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Email Questions To
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