Primary Sources

- Evaluation HIV/AIDS Reporting System (EHARS) – Collects infection data from all legally bound reporting sources throughout the State.
- 2017 Delaware Population Consortium
- 2016 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
3,547 living cases of HIV/AIDS
(December 2017)

Delaware infected
1 out of every 273 (n = 3,547)
   Rate – 366.49
--AA = 1/101 (n = 2,106)
   Rate – 992.75
--White = 1/569 (n = 1,095)
   Rate – 182.50
--Hispanic = 1/387 (n = 255)
   Rate – 278.58

(ratios based on latest
available DE Population Consortium
Estimates and reported
Living HIV/AIDS cases)
Prevalence Rates = per 100,000
Gender Groups
TRENDS IN HIV/AIDS IN DE

Gender

--Males - 48% of Delaware’s population, yet 72% of all HIV/AIDS cases through 2017

--Females - 52% of Delaware’s population, 28% of all reported Delaware cases through 2017
New Infections in Delaware by gender 1997 - 2017

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 2017 despite being 21% of Delaware’s population
New Infections Diagnosed in Delaware Race/Ethnic Groups, 1997-2017

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, 1997-2017

HIV Reporting Began 07/01

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

Year 97 99 01 03 05 07 09 11 13 15 17
Total # 206 219 147 221 277 206 227 212 181 150 175 162 153 130 109 138 113 118 106 115 120

Graph showing trends in new infections diagnosed by gender and race/ethnic groups from 1997 to 2017 in Delaware.
Age Groups
TRENDS IN DE (Cont)

● AGE

HIV

- 50% reported were between ages of 20 – 39 at diagnoses
- Teen groups not infected at rates seen in many other states, DE = 4%

Stage 3 HIV (AIDS)

- 69% reported were between ages 30-49 at diagnoses
New Infections Diagnosed in Delaware by age Group, 1997-2017
Mortality
Better Treatment = Longer lives
HIV/AIDS Deaths

3,547 Living with HIV/AIDS in December 2017

523 Living with HIV/AIDS in December 1988

2017 death ascertainment incomplete

Combination therapy begins
HIV/AIDS Deaths by Race, 1991 to 2017

Note: Deaths are proportionate to infections across groups

2017 death ascertainment incomplete
HIV/AIDS Deaths by Gender, 1991 to 2017

2017 death ascertainment incomplete
### HIV/AIDS Deaths, 1991 to 2017

#### Death due to underlying HIV disease

<table>
<thead>
<tr>
<th>HIV Related</th>
<th>Frequency</th>
<th>Percent</th>
<th>Cumulative Frequency</th>
<th>Cumulative Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>No</td>
<td>601</td>
<td>26.63</td>
<td>601</td>
<td>26.63</td>
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<tr>
<td>Undetermined</td>
<td>163</td>
<td>7.22</td>
<td>764</td>
<td>33.85</td>
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<tr>
<td>Yes</td>
<td>1493</td>
<td>66.15</td>
<td>2257</td>
<td>100</td>
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</tbody>
</table>
--47% of all HIV/AIDS cases reported in Delaware through 2017 originated from Wilmington Metropolitan area.
2017 Estimated Delaware Pop. = 967,813
Source: Delaware Population Consortium

Delaware Land Area
1,954 square miles
Living HIV/AIDS
As of Dec 2017
n = 3,547
Behavioral Risk Groupings
Risk Categories by County of Residence

Mode of Exposure
Living in Kent County

- MSM: 38%
- IDU: 14%
- MSM+IDU: 10%
- Hetero: 35%
- Other: 3%
Risk Categories by County of Residence

Mode of Exposure Living in New Castle County

- MSM: 32%
- IDU: 21%
- MSM+IDU: 7%
- Hetero: 36%
- Other: 4%
Risk Categories by County of Residence

Mode of Exposure
Living in Sussex County

- MSM: 55%
- IDU: 25%
- MSM+IDU: 8%
- Hetero: 7%
- Other: 5%

Other
New Infections Diagnosed in Delaware by Risk Group, 1997-2017

<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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<tr>
<td>97</td>
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</tbody>
</table>

Total #:
- 97: 206
- 98: 219
- 99: 147
- 00: 221
- 01: 277
- 02: 206
- 03: 227
- 04: 212
- 05: 181
- 06: 150
- 07: 175
- 08: 162
- 09: 153
- 10: 130
- 11: 109
- 12: 138
- 13: 113
- 14: 118
- 15: 106
- 16: 115
- 17: 120
New Infections in Males Diagnosed in Delaware by Risk Group, 1997-2017

Total #

Year  | 97 | 98 | 99 | 00 | 01 | 02 | 03 | 04 | 05 | 06 | 07 | 08 | 09 | 10 | 11 | 12 | 13 | 14 | 15 | 16 | 17
Total | 148 | 147 | 94 | 151 | 180 | 137 | 143 | 136 | 116 | 104 | 139 | 110 | 111 | 102 | 82 | 99 | 84 | 75 | 87 | 88 | 88
New Infections Diagnosed in Delaware by Risk Group, 1997-2017

[Graph showing the number of new infections diagnosed in Delaware by risk group from 1997 to 2017, with a line graph indicating the trend over the years.]
New Infections in Females Diagnosed in Delaware by Risk Group, 1997-2017

Year | IDU | Hetero | No Risk/Other
--- | --- | --- | ---
1997 | 58 | 72 | 53
1998 | 98 | 69 | 71
1999 | 84 | 84 | 76
2000 | 65 | 65 | 65
2001 | 47 | 47 | 47
2002 | 36 | 36 | 36
2003 | 52 | 52 | 52
2004 | 42 | 42 | 42
2005 | 28 | 28 | 28
2006 | 27 | 27 | 27
2007 | 39 | 39 | 39
2008 | 29 | 29 | 29
2009 | 43 | 43 | 43
2010 | 19 | 19 | 19
2011 | 27 | 27 | 27
2012 | 32 | 32 | 32
2013 | 43 | 43 | 43
2014 | 19 | 19 | 19
2015 | 27 | 27 | 27
2016 | 32 | 32 | 32
2017 | 52 | 52 | 52

Total # | 58 | 72 | 53 | 98 | 69 | 71 | 84 | 76 | 65 | 47 | 36 | 52 | 42 | 28 | 27 | 39 | 29 | 43 | 19 | 27 | 32
# National VS. Delaware
## Living HIV Cases by Race

<table>
<thead>
<tr>
<th>National - 2015</th>
<th>Delaware - 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>The distribution of living HIV cases by race nationally is</td>
<td>Delaware’s living HIV cases through 2017 by race are</td>
</tr>
<tr>
<td>% Among HIV</td>
<td>% Among HIV</td>
</tr>
<tr>
<td>31% White</td>
<td>33% White</td>
</tr>
<tr>
<td>42% Black</td>
<td>56% Black</td>
</tr>
<tr>
<td>22% Hispanic</td>
<td>8% Hispanic</td>
</tr>
<tr>
<td>5% other races</td>
<td>3% other races</td>
</tr>
</tbody>
</table>
### National VS. Delaware
Living Stage 3 HIV (AIDS) Cases by Race

<table>
<thead>
<tr>
<th>National - 2015</th>
<th>Delaware - 2017</th>
</tr>
</thead>
<tbody>
<tr>
<td>The distribution of living AIDS cases by race nationally is</td>
<td>Delaware’s living AIDS cases through 2017 by race are</td>
</tr>
<tr>
<td>% Among AIDS</td>
<td>% Among AIDS</td>
</tr>
<tr>
<td>32% White</td>
<td>30% White</td>
</tr>
<tr>
<td>41% Black</td>
<td>61% Black</td>
</tr>
<tr>
<td>22% Hispanic</td>
<td>7% Hispanic</td>
</tr>
<tr>
<td>6% other races</td>
<td>2% other races</td>
</tr>
</tbody>
</table>
Email Questions To
james.dowling@state.de.us
(302) 744-1016