Epidemiologic Profile of MSM
Connecticut, 2010

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Summary of HIV/AIDS in Connecticut

Overview

- HIV/AIDS surveillance conducted since early 80s.
- Total cases reported: **19,473**
- People living with HIV/AIDS: **10,574 (54%)**
  - Source of infection*: 
    - IDU 4,588 43.4%
    - Heterosexual 2,828 26.7%
    - **MSM 2,720 25.7% (+2% MSM/IDU)**

*Multiple Imputation used to statistically adjust for cases reported with no risk.
Prevalent MSM HIV/AIDS cases by race/ethnicity and age group, Connecticut, 2009

(2,269 reported with risk group -- 2,718 adjusted for unknown)
Age distribution of prevalent MSM HIV/AIDS cases by white and non-white race/ethnicity, Connecticut, 2009

(cases reported with MSM risk)
(current age)

<table>
<thead>
<tr>
<th>Age Group</th>
<th>White (N=1,398)</th>
<th>Non-white (N=827)</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;30</td>
<td>15%</td>
<td></td>
</tr>
<tr>
<td>30-39</td>
<td>30%</td>
<td>40%</td>
</tr>
<tr>
<td>40-49</td>
<td>40%</td>
<td></td>
</tr>
<tr>
<td>50-59</td>
<td>10%</td>
<td>15%</td>
</tr>
<tr>
<td>60+</td>
<td>5%</td>
<td>10%</td>
</tr>
</tbody>
</table>
HIV/AIDS cases by risk* group, Connecticut, 2009

Diagnosed
1981-2004

- IDU: 51%
- MSM: 24%
- Het: 20%
- O/U: 2%
- MSM/IDU: 3%

N=17,336

Recently diagnosed
2005-2009

- IDU: 30%
- MSM: 37%
- Het: 31%
- O/U: 1%
- MSM/IDU: 2%

N=2,137

*Unknown risk adjusted using multiple imputation
HIV/AIDS cases by adjusted risk group and year of diagnosis, Connecticut, 2002-2009

(Risk group adjusted for cases reported with unknown risk using MULTIPLE IMPUTATION)
HIV/AIDS cases by adjusted risk group and year of diagnosis, Connecticut, 2002-2009
(Risk group adjusted for cases reported with unknown risk using MULTIPLE IMPUTATION)
Trend in white and non-white **MSM** HIV/AIDS cases by year of diagnosis, Connecticut, 2002-2009

(Cases with risk reported as of Dec 2009)
MSM HIV/AIDS cases by adjusted risk group and year of diagnosis, Connecticut, 2002-2009
(Risk group adjusted for cases reported with unknown risk using MULTIPLE IMPUTATION)
PLWHA by adjusted risk group and year, Connecticut, 2005-2009
(Risk group adjusted for cases reported with unknown risk using MULTIPLE IMPUTATION)

- MSM
  - 2005: 2,220
  - 2009: 2,720
  - Change: +23%

- HET
  - 2005: 2,475
  - 2009: 2,828
  - Change: +14%

- IDU
  - 2005: 4,614
  - 2009: 4,588
  - Change: -0.6%
IDU HIV/AIDS cases by town of residence, Connecticut, diagnosed 2002-2009
HIV incidence estimates, Connecticut, 2006

(Number of cases)

<table>
<thead>
<tr>
<th>Category</th>
<th>Number of cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Total</td>
<td>585</td>
</tr>
<tr>
<td>Male</td>
<td>384</td>
</tr>
<tr>
<td>Female</td>
<td>201</td>
</tr>
<tr>
<td>White</td>
<td>237</td>
</tr>
<tr>
<td>Black</td>
<td>163</td>
</tr>
<tr>
<td>Hisp</td>
<td>185</td>
</tr>
<tr>
<td>MSM</td>
<td>184</td>
</tr>
<tr>
<td>IDU</td>
<td>123</td>
</tr>
<tr>
<td>Het</td>
<td>96</td>
</tr>
</tbody>
</table>

Number of cases

0 100 200 300 400 500 600 700
Prevalence of HIV in men who have sex with men

- In 2010, CDC released an estimate that 4% (95% CI; 2.8%-5.3%) of the male population (13+) are MSM (past 5 years).

- Connecticut HIV-positive MSM: **2,720**
- Connecticut MSM population: **55,000**

- An estimated …

5% of MSM in Connecticut are HIV positive

or

50 per 1,000

5,000 per 100,000

- Higher-risk groups within MSM would be expected to have much higher rates of infection.
Conclusions

- Data from a variety of surveillance activities point to continued transmission of HIV in MSM (CT and national HIV/AIDS surveillance, HIV incidence, STD surveillance, matches of HIV and STD registries).

- While the number of HIV/AIDS cases in IDU has decreased, the number of newly diagnosed MSM cases has been level over the past several years.

- The number of PLWHA who are MSM has increased.

- The percentage of non-white MSM HIV/AIDS cases has increased. Non-white MSM cases tend to be younger.

- MSM cases are distributed broadly across the state in both rural and urban areas in significant numbers.

- New estimates of MSM prevalence yield HIV rates in MSM for the first time. HIV risk in MSM is comparable to other high-risk groups in Connecticut.