HIV in the Boston EMA

2015
Methods

- Data were collected by Massachusetts Department of Public Health (MDPH) and New Hampshire Department of Health & Human Services (NHDHHS) according to CDC surveillance criteria.
- De-identified, aggregate data are provided to the Boston Public Health Commission (BPHC).
  - Currently data for cases diagnosed through 2015 are available; prevalence data include all cases diagnosed and living as of 12/31/2015.
  - Individuals diagnosed while incarcerated are not included in MA data.
  - MDPH data are current through 1/1/2017 and subject to change; NHDHHS data are current through 3/23/2017 and subject to change.
- Case residence is defined as where the person resides at the time of diagnosis of HIV infection; for those diagnosed with AIDS, it is the residence at the time of diagnosis of AIDS.
  - “Boston EMA cases” include person living in Boston EMA at the time of HIV diagnosis.
- Numbers may not add up to 100% due to rounding.
The Boston EMA

- The Boston Eligible Metropolitan Area (EMA) consists of 7 MA counties and 3 NH counties around the city.

- Boston is in Suffolk County.
People Living With HIV
Boston EMA 2015
Boston EMA: People Living with HIV (PLWH) by Year

- As of 12/31/2015, there were **17,254** PLWH in the Boston EMA

MA data exclude individuals diagnosed while incarcerated
Source: MDPH & NHDHHS
Data as of 1/1/2017
In 2015, a majority (71%) of PLWH in the Boston EMA were men.
Boston EMA - PLWH in 2015: Race/Ethnicity

- Black (non-Hispanic) and Hispanic/Latino residents account for 6% and 9% of the Boston EMA population respectively, but accounted for 31% and 21% of PLWH in 2015.

MA data exclude individuals diagnosed while incarcerated
Source: MDPH, NHDHHS, 2010 Census
Data as of 1/1/2017
PLWH in 2015 are an aging population in the Boston EMA with 75% being 45 years old or older.
Men who have sex with men (MSM) was the largest risk group in the Boston EMA, accounting for 40% of PLWH in 2015.

[Diagram showing distribution of risk exposures with percentages: 40% for MSM, 17% for Injection Drug Use (IDU), 10% for MSM/IDU, 15% for Heterosexual Sex, 14% for Presumed Heterosexual Sex, 3% for Pediatric, and 2% for Unknown/Other.]
29% of PLWH in the Boston EMA in 2015 were born outside the United States

*30 cases had unknown countries of origin
MA data exclude individuals diagnosed while incarcerated
Source: MDPH & NHDHHS
Data as of 1/1/2017
HIV Prevalence
Boston EMA, 2015

- **Suffolk County** (which includes Boston) has the highest prevalence rate at **873 cases per 100,000** compared to any other county in the Boston EMA.

Source: MDPH & NHDHHS
Data as of 1/1/2017
HIV Cases Diagnosed in 2015
Boston EMA
In 2015, there were 551 cases of HIV infection diagnosed in residents of the Boston EMA, nearly the same as in 2014 when there were 554 cases.

- 9 cases per 100,000

MA data exclude individuals diagnosed while incarcerated

Source: MDPH & NHDHHS

Data as of 1/1/2017
In the Boston EMA, the majority of newly diagnosed HIV cases in 2015 were among men (72%).

Boston EMA 2015 Cases: Sex at Birth

- Male: 397 cases
- Female: 154 cases

Data as of 1/1/2017

MA data exclude individuals diagnosed while incarcerated

Source: MDPH & NHDHHS

Data as of 1/1/2017
Boston EMA 2015 Cases: Race/Ethnicity

• Black (non-Hispanic) and Hispanic/Latino residents account for 6% and 9% of the Boston EMA population respectively, but accounted for 32% and 25% of HIV cases diagnosed in 2015.
While 75% of PLWH in 2015 were 45 years old or older, the majority (61%) of new cases in 2015 were diagnosed at ages 20-44 years in the Boston EMA.

<table>
<thead>
<tr>
<th>Age Group (Years)</th>
<th># Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>&lt;20</td>
<td>26</td>
</tr>
<tr>
<td>20-44</td>
<td>337</td>
</tr>
<tr>
<td>45-64</td>
<td>176</td>
</tr>
<tr>
<td>65+</td>
<td>12</td>
</tr>
</tbody>
</table>

MA data exclude individuals diagnosed while incarcerated

Source: MDPH & NHDHHS
Men who have sex with men (MSM) made up the largest proportion (41%) of newly diagnosed HIV cases in the Boston EMA in 2015.
40% of Boston EMA resident HIV cases diagnosed in 2015 were born outside the United States.

<table>
<thead>
<tr>
<th>Country of Origin</th>
<th># Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States</td>
<td>302</td>
</tr>
<tr>
<td>US Dependency</td>
<td>31</td>
</tr>
<tr>
<td>Outside US</td>
<td>218</td>
</tr>
</tbody>
</table>

MA data exclude individuals diagnosed while incarcerated
Source: MDPH & NHDHHS
Data as of 1/1/2017
Incidence of HIV Infection, Boston EMA 2015

- **Suffolk County** (which includes Boston) had the highest incidence rate at **22 cases diagnosed per 100,000** compared to any other county in the Boston EMA.

MA data exclude individuals diagnosed while incarcerated.
Source: MDPH & NHDHHS
Data as of 1/1/2017