HIV in Boston EMA
2014
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 2014 are available; prevalence data include all cases diagnosed and living as of 12/31/2014
  - MDPH data are current through 2/23/2016 and subject to change; NHDHHS data are current through 7/17/2015 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
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 2014
Boston EMA: People Living with HIV (PLWH) by Year

- As of 12/31/2014, there were 16,739 PLWH in the Boston EMA

Data exclude individuals diagnosed while incarcerated
Source: MDPH & NHDHHS
Boston EMA - PLWH in 2014: Gender

- In 2014, a majority (71%) of PLWH in the Boston EMA were men.

Data exclude individuals diagnosed while incarcerated
Source: MDPH & NHDHHS
• Black (non-Hispanic) and Latino residents account for 6% and 9% of the Boston EMA population respectively, but accounted for 31% and 21% of PLWH in 2014.

Data exclude individuals diagnosed while incarcerated
Source: MDPH & NHDHHS
Boston EMA - PLWH in 2014: Current Age

- PLWH in 2014 are an aging population in the Boston EMA with 75% being 45 years old or older.

Data exclude individuals diagnosed while incarcerated.
Source: MDPH & NHDHHS
Men who have sex with men (MSM) was the largest risk group, accounting for 43% of PLWH in 2014.
29% of PLWH in the Boston EMA in 2014 were born outside the United States.
HIV Prevalence
Boston EMA, 2014

- **Suffolk County** (which includes Boston) has the highest prevalence rate at **860 cases per 100,000** compared to any other county in the EMA.

Data exclude individuals diagnosed while incarcerated.

Source: MDPH & NHDHHS
HIV Cases Diagnosed in 2014
Boston EMA
In 2014, there were 553 HIV cases diagnosed in residents of the Boston EMA, down from 605 cases in 2013.

- 9 cases per 100,000

Data exclude individuals diagnosed while incarcerated
Source: MDPH & NHDHHS
The majority of newly diagnosed HIV cases in 2014 were among men (75%).

Data exclude individuals diagnosed while incarcerated.

Source: MDPH & NHDHHS
Black (non-Hispanic) and Latino residents account for 6% and 9% of the Boston EMA population respectively, but accounted for 35% and 27% of HIV cases diagnosed in 2014.

Data exclude individuals diagnosed while incarcerated
Source: MDPH & NHDHHS
While 75% of PLWH in 2014 were 45 years old or older, the majority (63%) of new cases in 2014 were diagnosed at ages 20-44 years in the Boston EMA.

Data exclude individuals diagnosed while incarcerated
Source: MDPH & NHDHHS
Men who have sex with men (MSM) made up the largest proportion (48%) of new HIV cases in 2014.

Boston EMA 2014 Cases: Risk Exposure

- MSM: 48%
- IDU: 5%
- Heterosexual Sex: 12%
- Presumed Heterosexual Sex: 30%
- Unknown: 1%
- Other: 4%

Data exclude individuals diagnosed while incarcerated.
Source: MDPH & NHDHHS
Boston EMA 2014 HIV Cases: Country of Origin

- **39%** of Boston EMA resident HIV cases diagnosed in 2014 were born outside the United States.

Data exclude individuals diagnosed while incarcerated.
Source: MDPH & NHDHHS
Incidence of HIV Infection, Boston EMA 2014

- **Suffolk County** (which includes Boston) had the highest incidence rate at 28 cases diagnosed per 100,000 compared to any other county in the EMA.

Data exclude individuals diagnosed while incarcerated.

Source: MDPH & NHDHHS
216 Boston EMA residents were diagnosed with AIDS in 2014
- Includes people living with HIV who progressed to AIDS AND people diagnosed with AIDS at initial diagnosis

In 2014, 126 of 553 new Boston EMA resident HIV cases (23%) were concurrently* diagnosed with AIDS
- This may be a marker of late presentation for care, but also may be for other reasons (e.g. someone diagnosed outside of US and not having documentation of the earlier diagnosis in the medical record, and therefore not reported to surveillance, etc.)

*Received both an HIV and an AIDS diagnosis within 2 months of each other
Data exclude individuals diagnosed while incarcerated
Source: MDPH & NHDHHS