

HIV in the Boston EMA

2015

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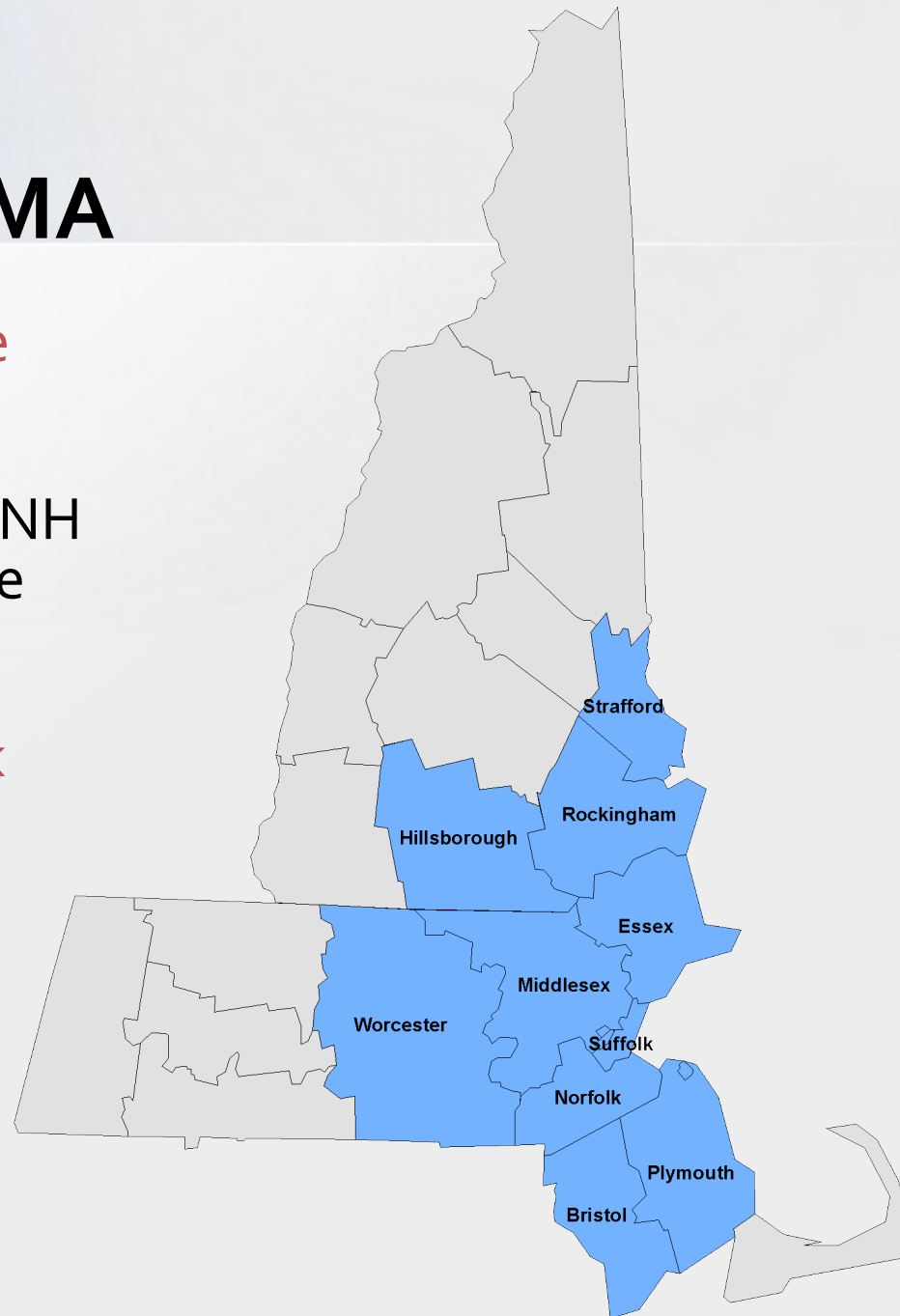


Methods

- 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**

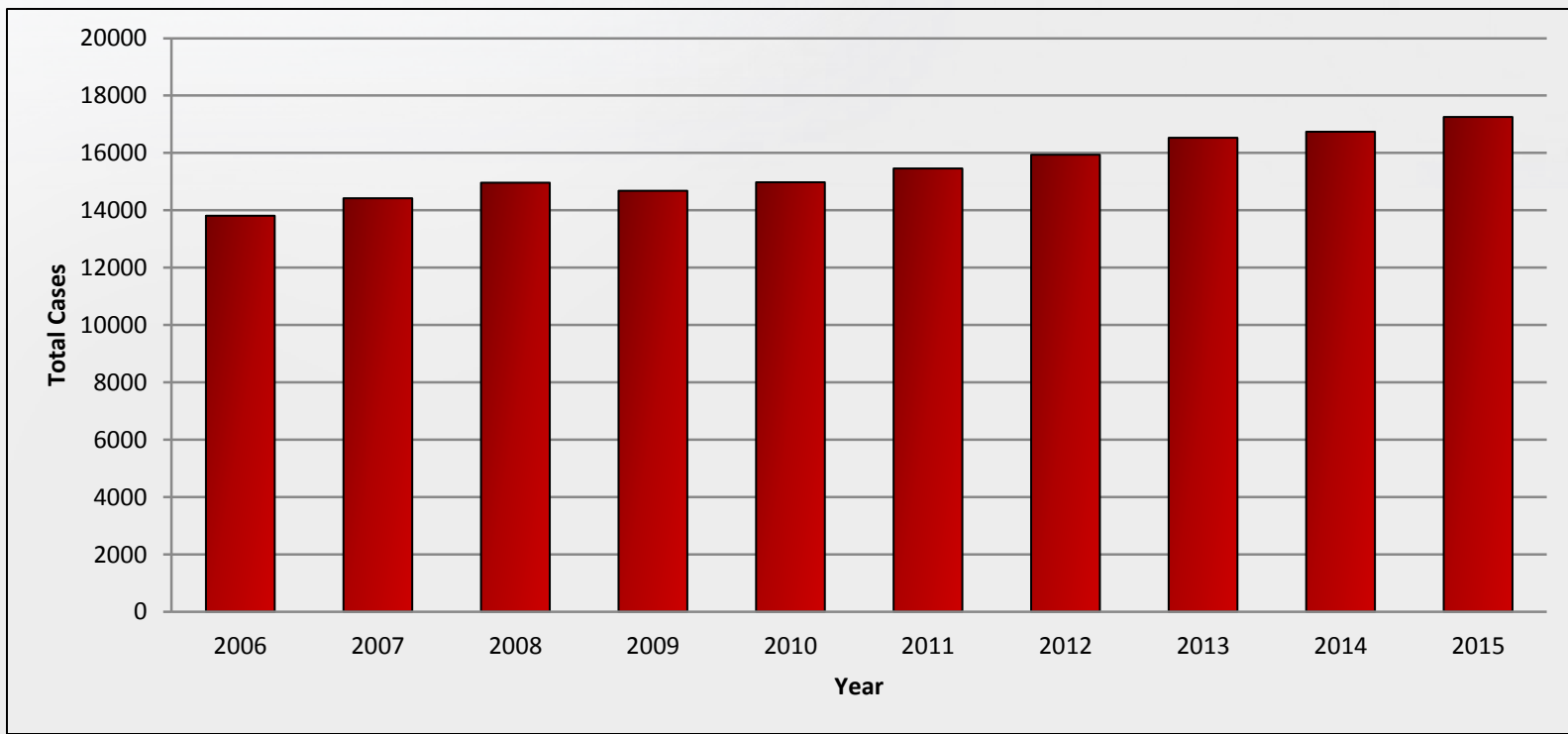


People Living With HIV Boston EMA 2015



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

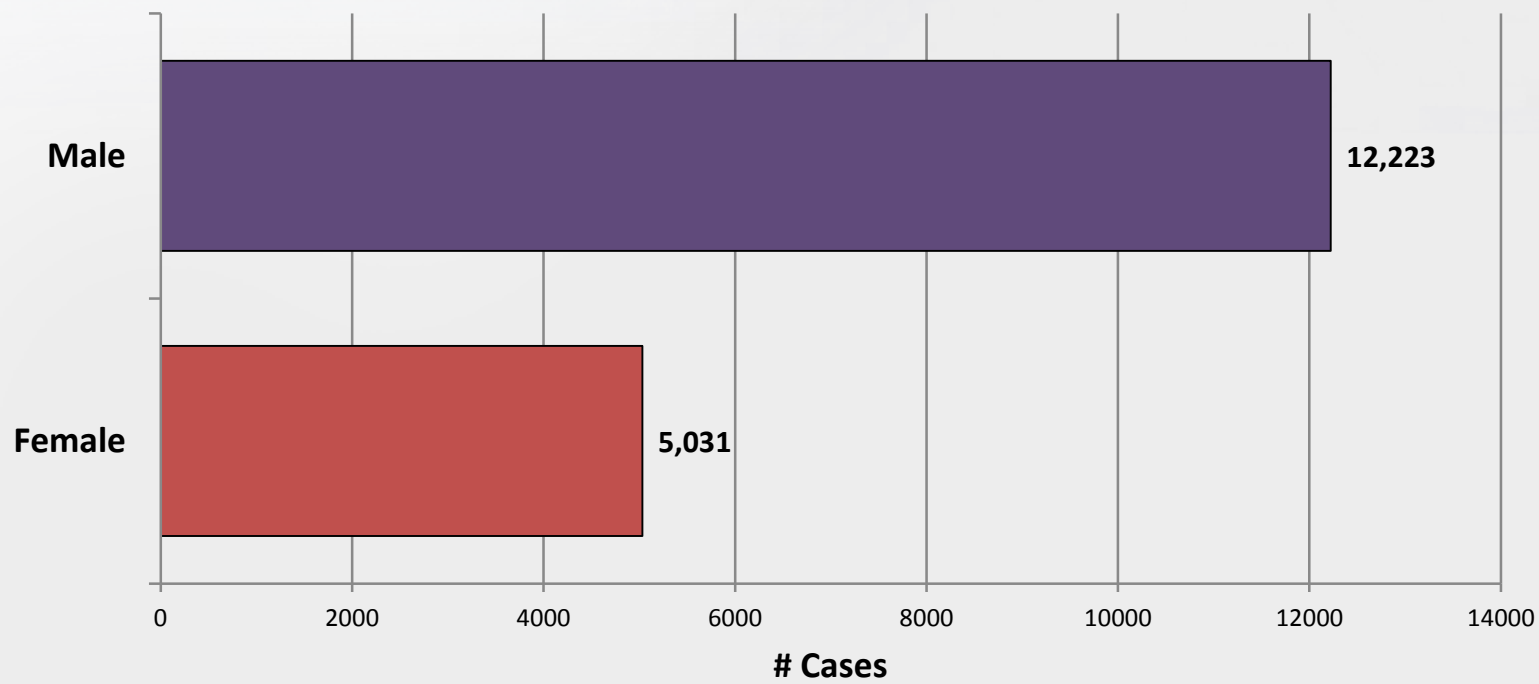
Source: MDPH & NHDHHS

Data as of 1/1/2017



Boston EMA - PLWH in 2015: Sex at Birth

- In 2015, a majority (71%) of PLWH in the Boston EMA were men



MA data exclude individuals diagnosed while incarcerated

Source: MDPH & NHDHHS

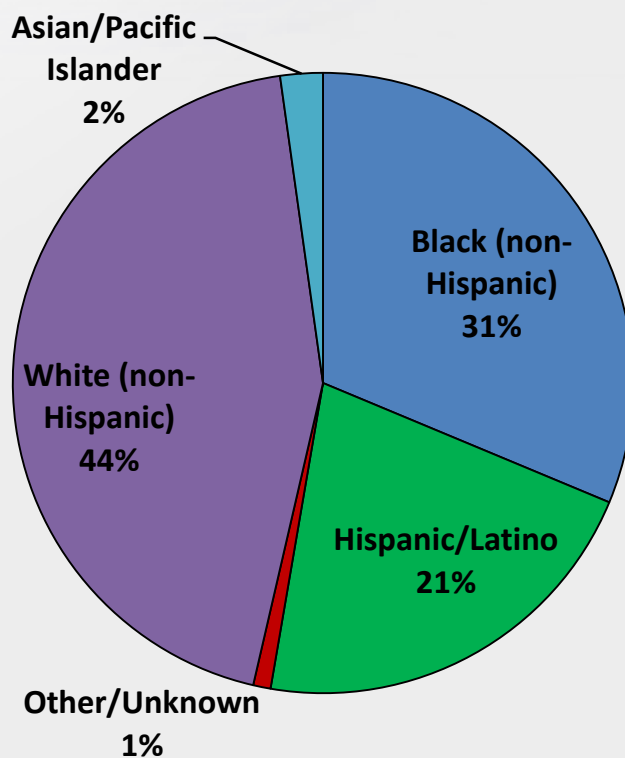
Data as of 1/1/2017

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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



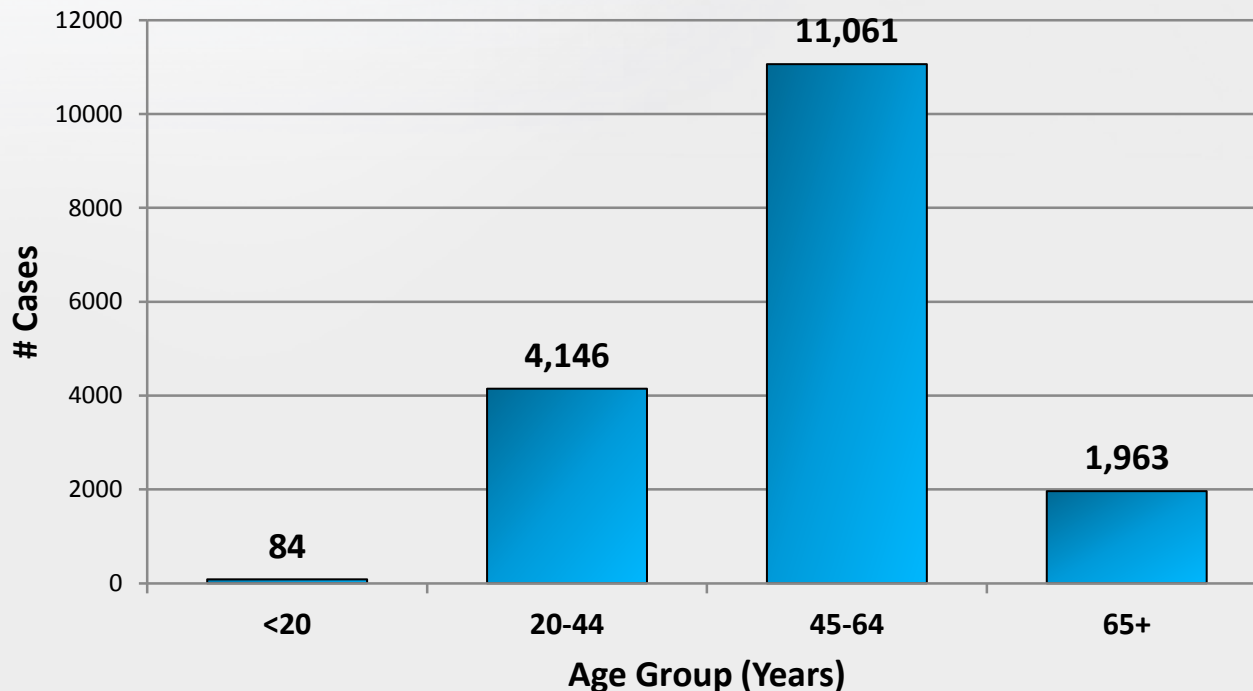
MA data exclude individuals diagnosed while incarcerated

Source: MDPH, NHDHHS, 2010 Census

Data as of 1/1/2017

Boston EMA - PLWH in 2015 : Current Age

- PLWH in 2015 are an aging population in the Boston EMA with 75% being 45 years old or older



MA data exclude individuals diagnosed while incarcerated

Source: MDPH & NHDHHS

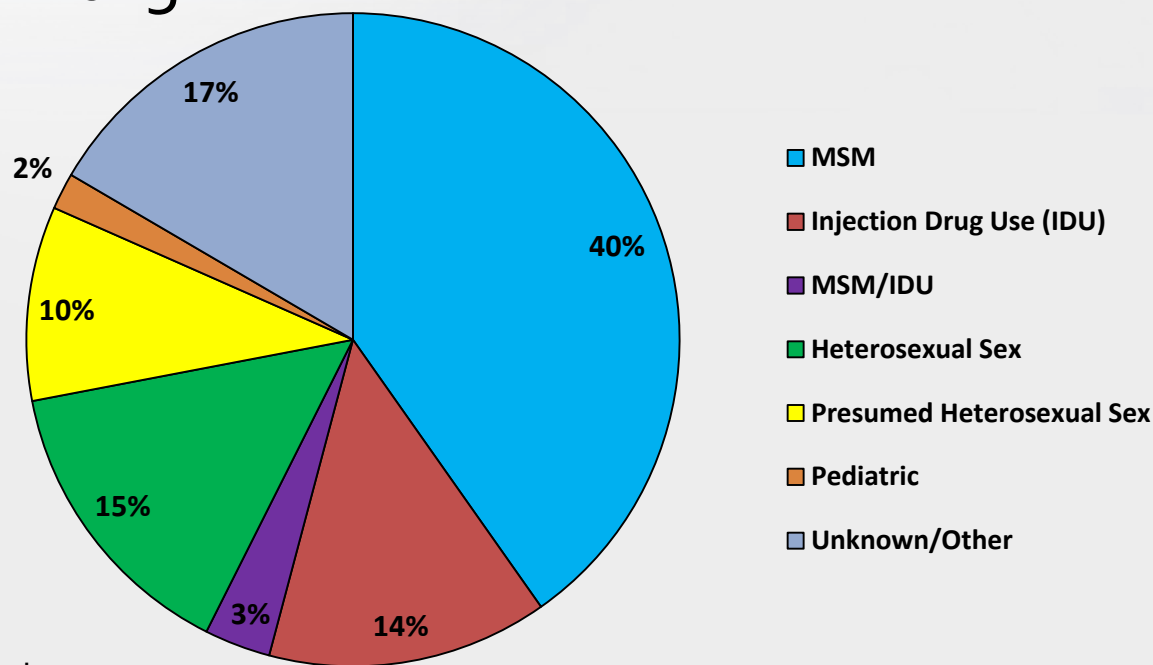
Data as of 1/1/2017

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Boston EMA - PLWH in 2015: Risk Exposure

- Men who have sex with men (MSM) was the largest risk group in the Boston EMA, accounting for 40% of PLWH in 2015



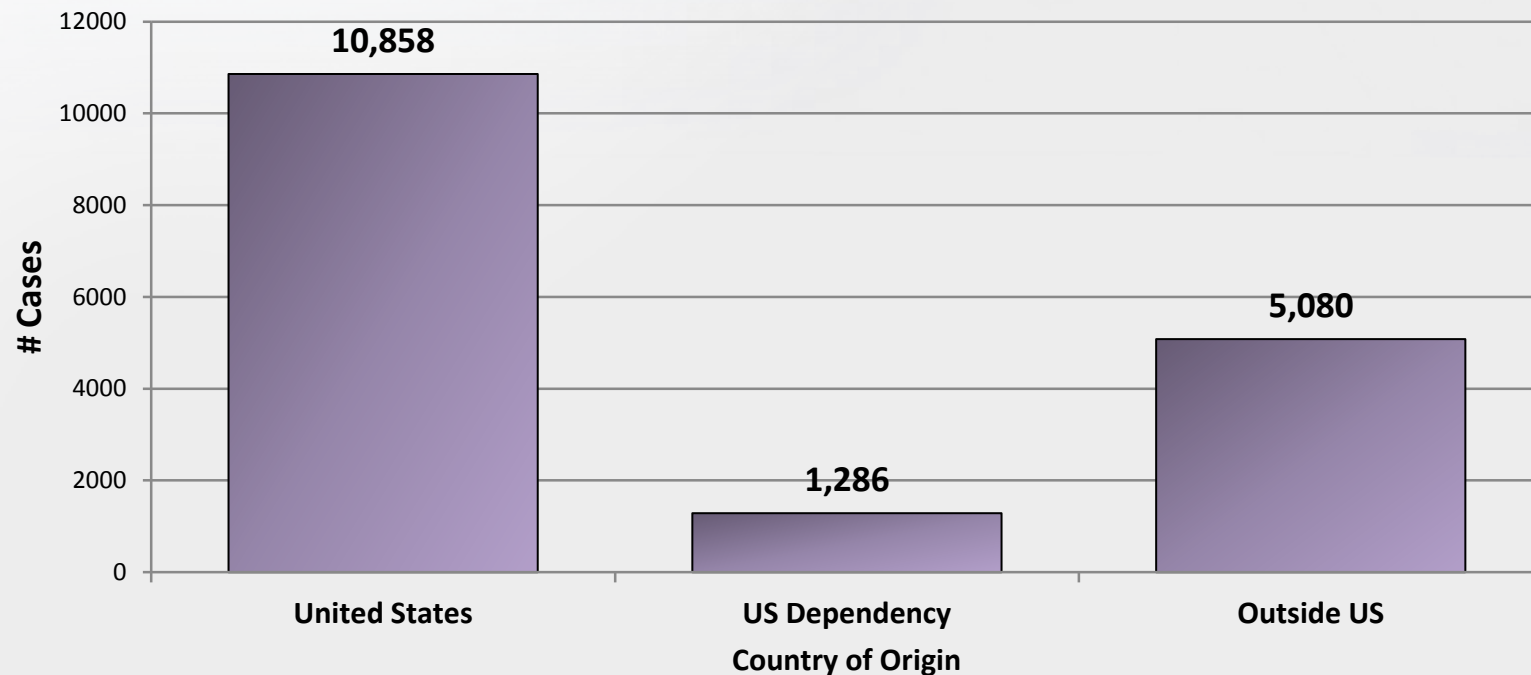
MA data exclude individuals diagnosed while incarcerated

Source: MDPH & NHDHHS

Data as of 1/1/2017

Boston EMA - PLWH in 2015: Country of Origin

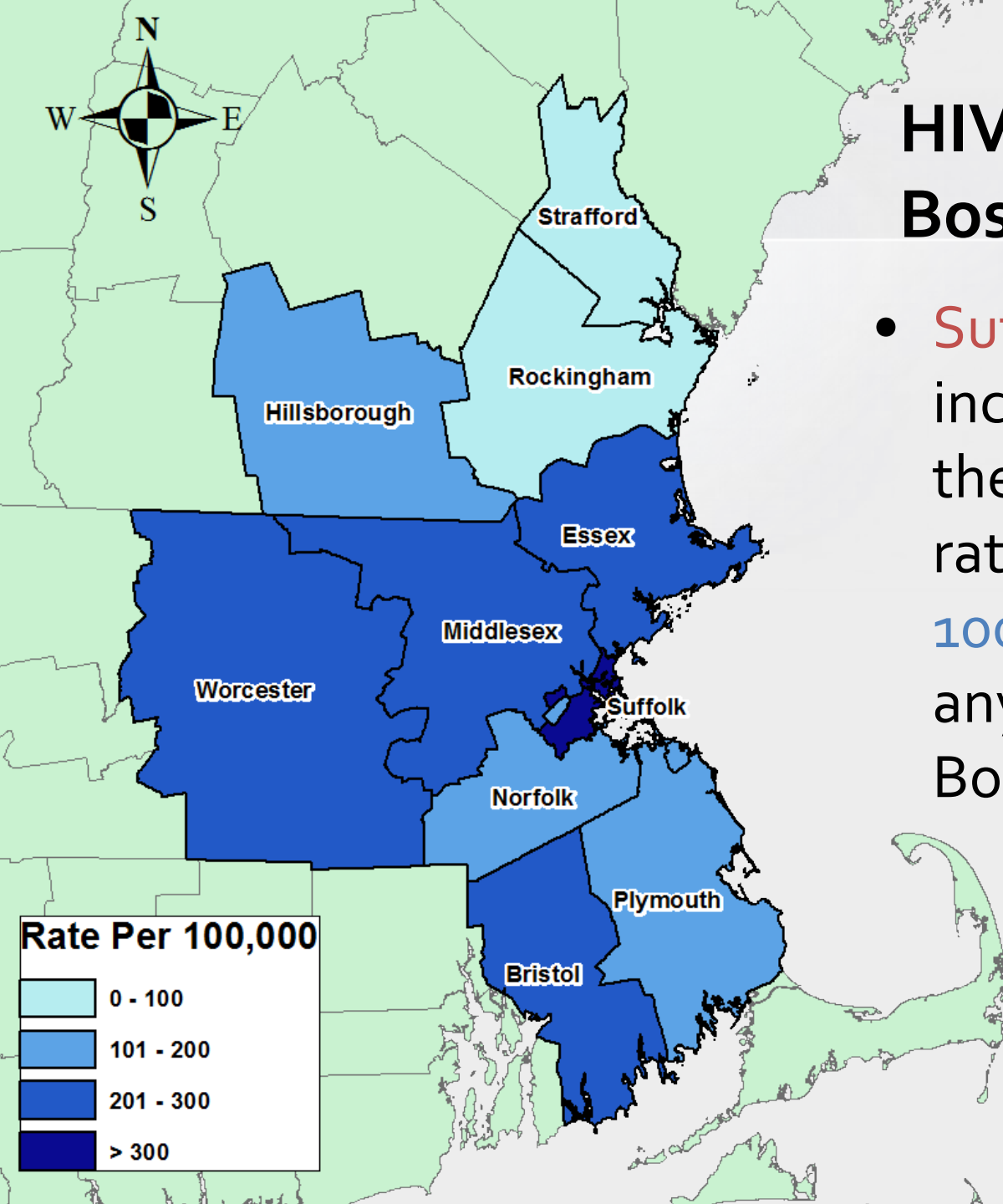
- 29% of PLWH in the Boston EMA in 2015 were born outside the United States



*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



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

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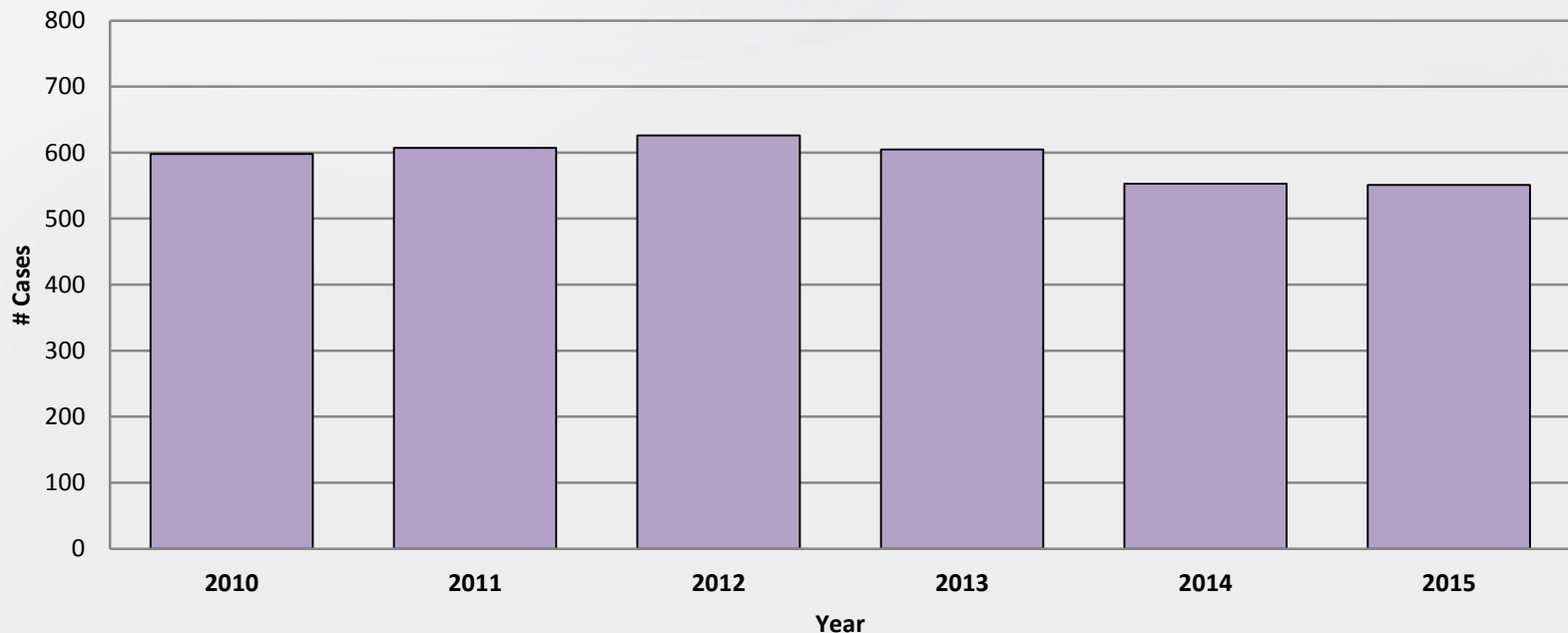


HIV Cases Diagnosed in 2015 Boston EMA



Boston EMA: New HIV Cases Diagnosed by Year

- 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

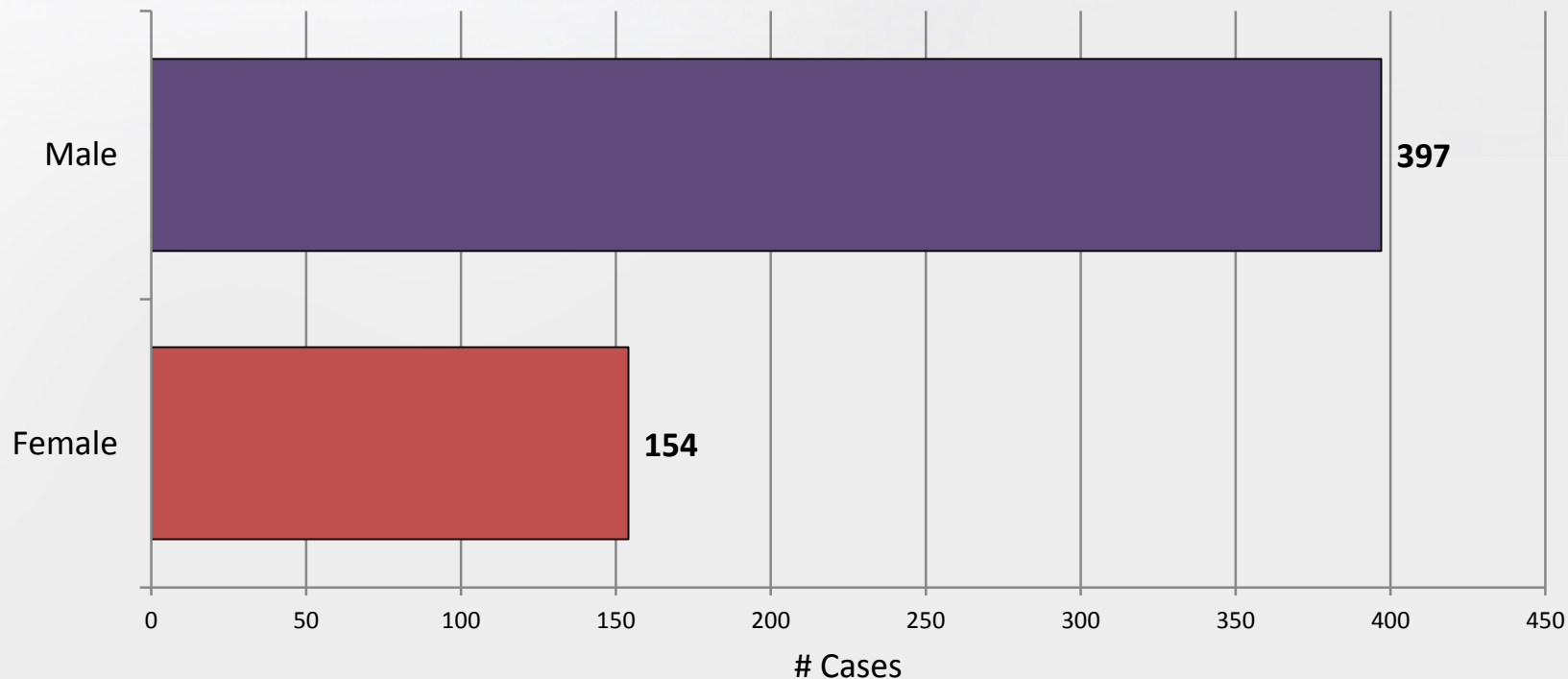
Data as of 1/1/2017

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Boston EMA 2015 Cases: Sex at Birth

- In the Boston EMA, the majority of newly diagnosed HIV cases in 2015 were among men (72%)



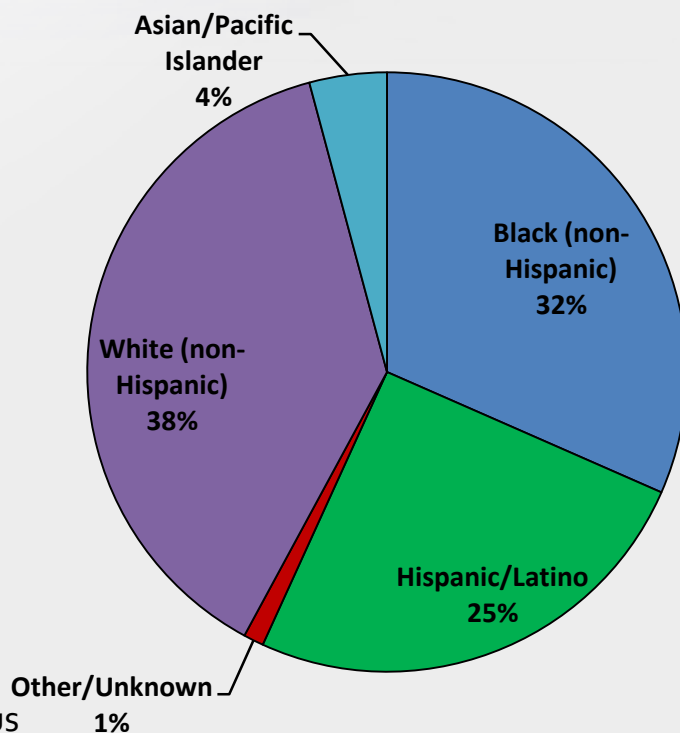
MA data exclude individuals diagnosed while incarcerated

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



MA data exclude individuals diagnosed while incarcerated

Source: MDPH, NHDHHS, 2010 Census

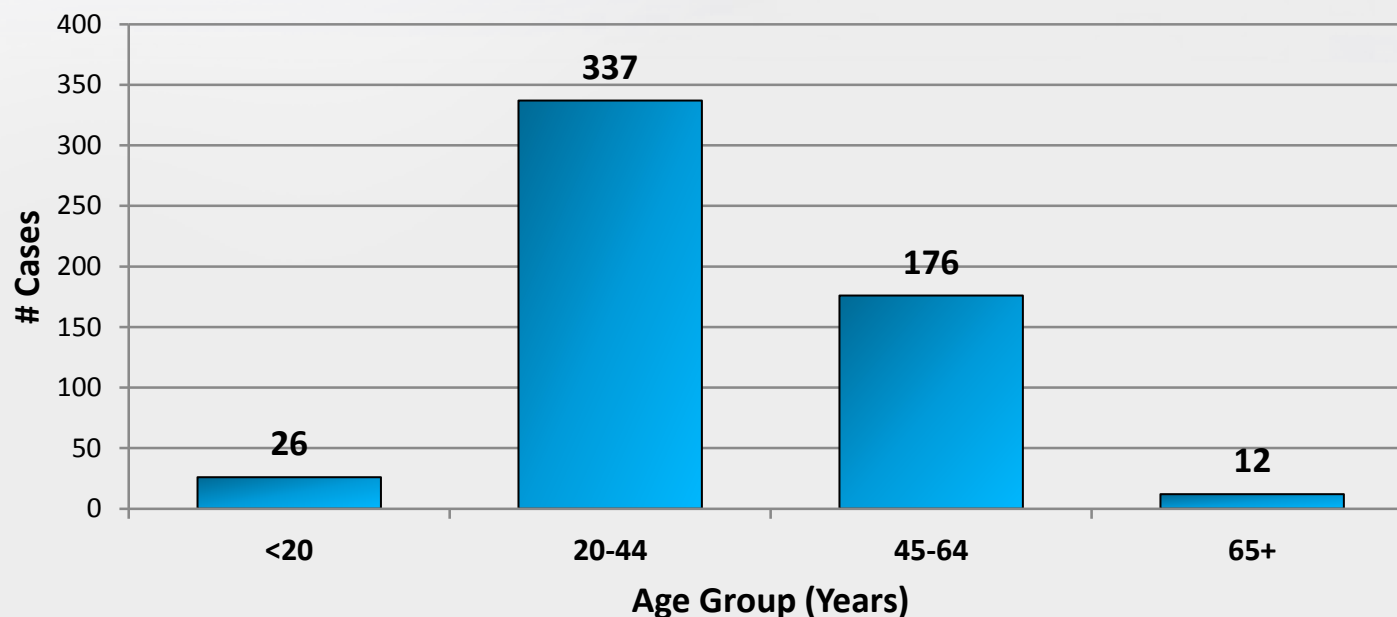
Data as of 1/1/2017

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Boston EMA 2015 Cases: Age at Diagnosis

- 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



MA data exclude individuals diagnosed while incarcerated

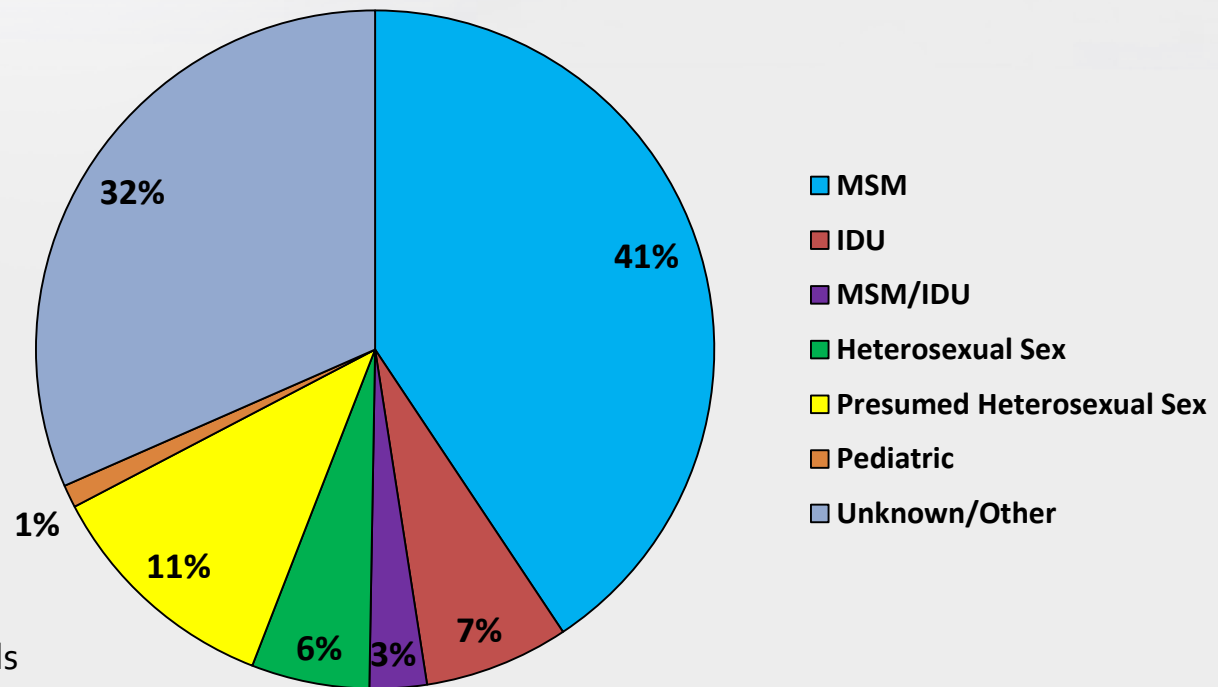
Source: MDPH & NHDHHS

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Boston EMA 2015 Cases: Risk Exposure

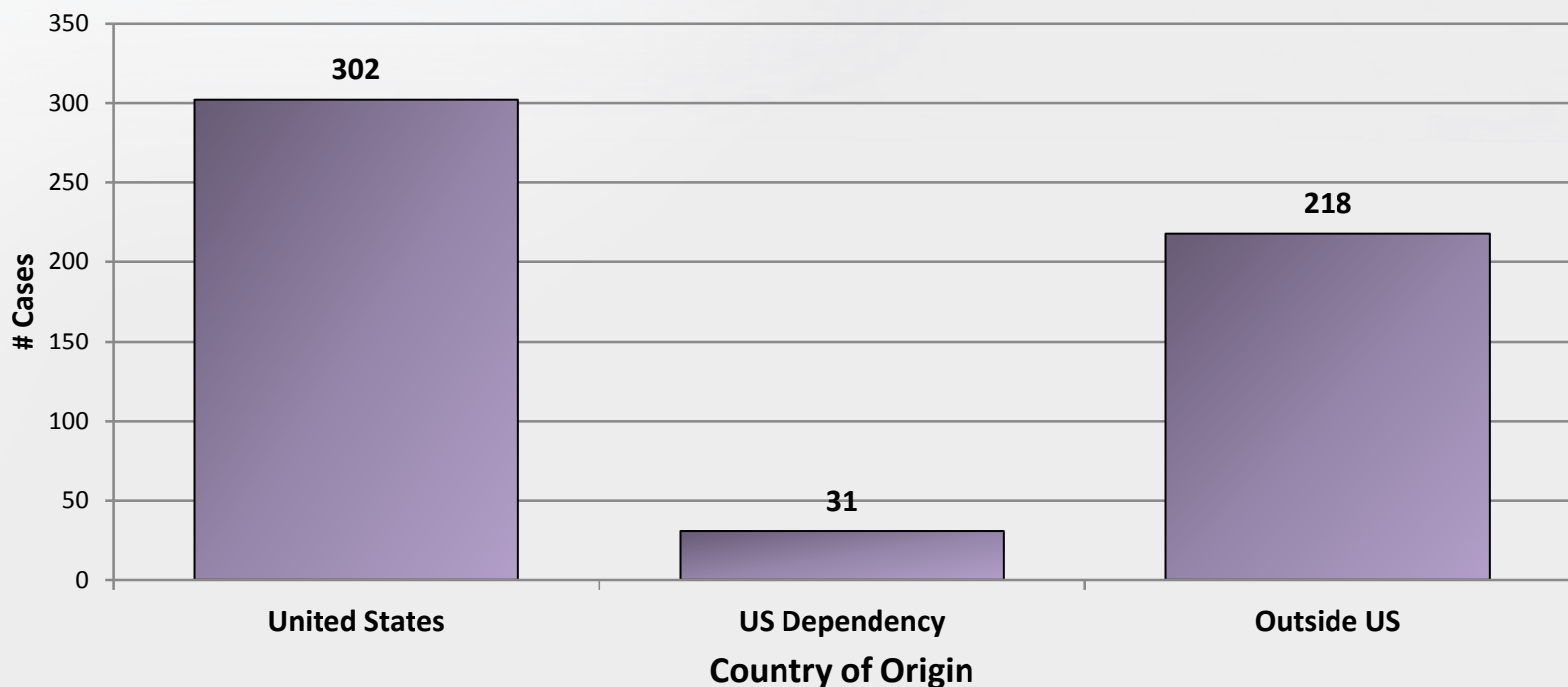
- Men who have sex with men (MSM) made up the largest proportion (41%) of newly diagnosed HIV cases in the Boston EMA in 2015



MA data exclude individuals diagnosed while incarcerated
Source: MDPH & NHDHHS

Boston EMA 2015 HIV Cases: Country of Origin

- 40% of Boston EMA resident HIV cases diagnosed in 2015 were born outside the United States



MA data exclude individuals diagnosed while incarcerated

Source: MDPH & NHDHHS

Data as of 1/1/2017

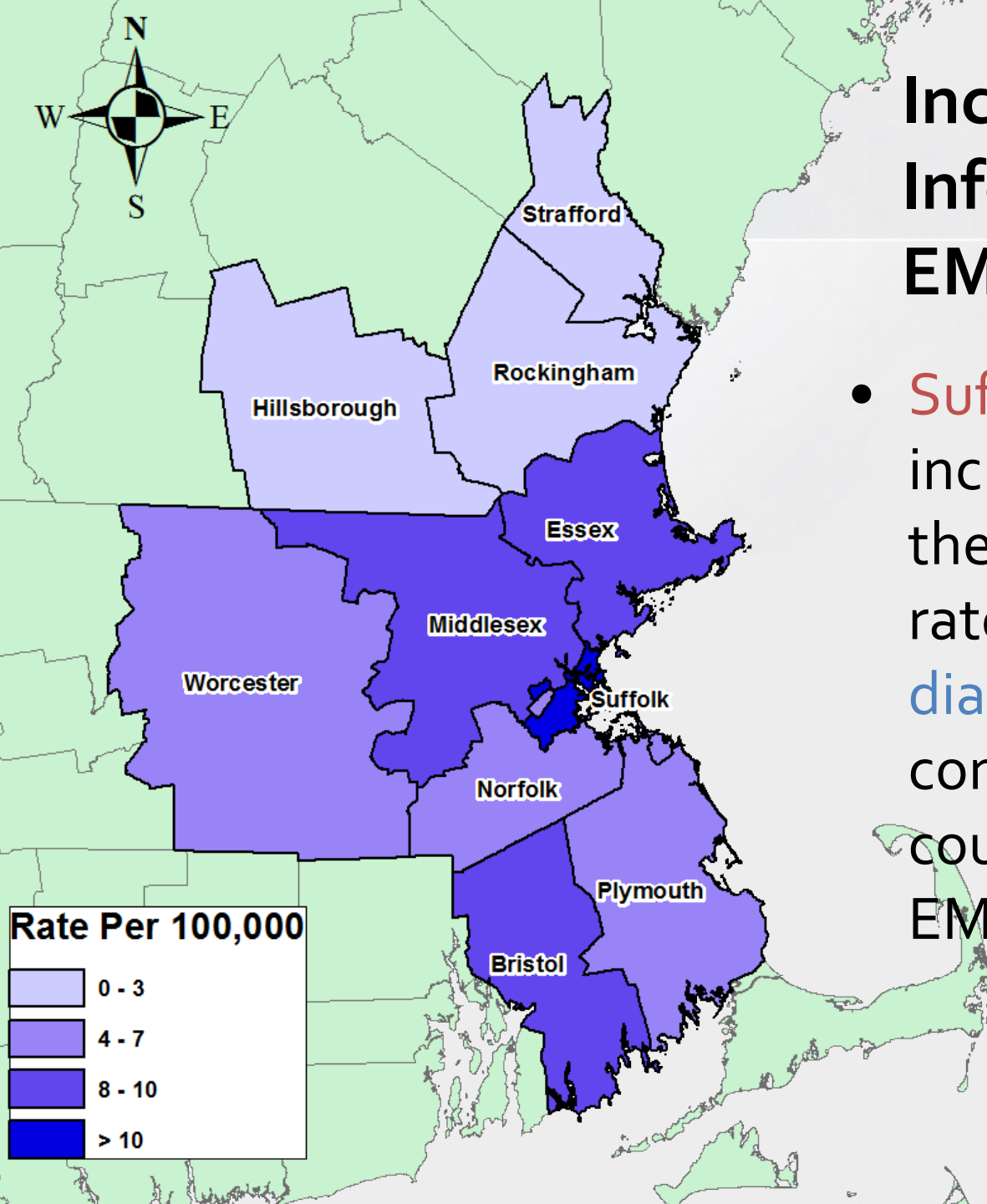
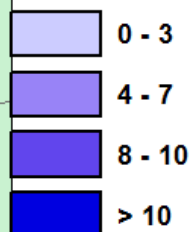




Incidence of HIV Infection, Boston EMA 2015

- **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

Rate Per 100,000



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

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