

# HIV in Boston EMA

## 2014

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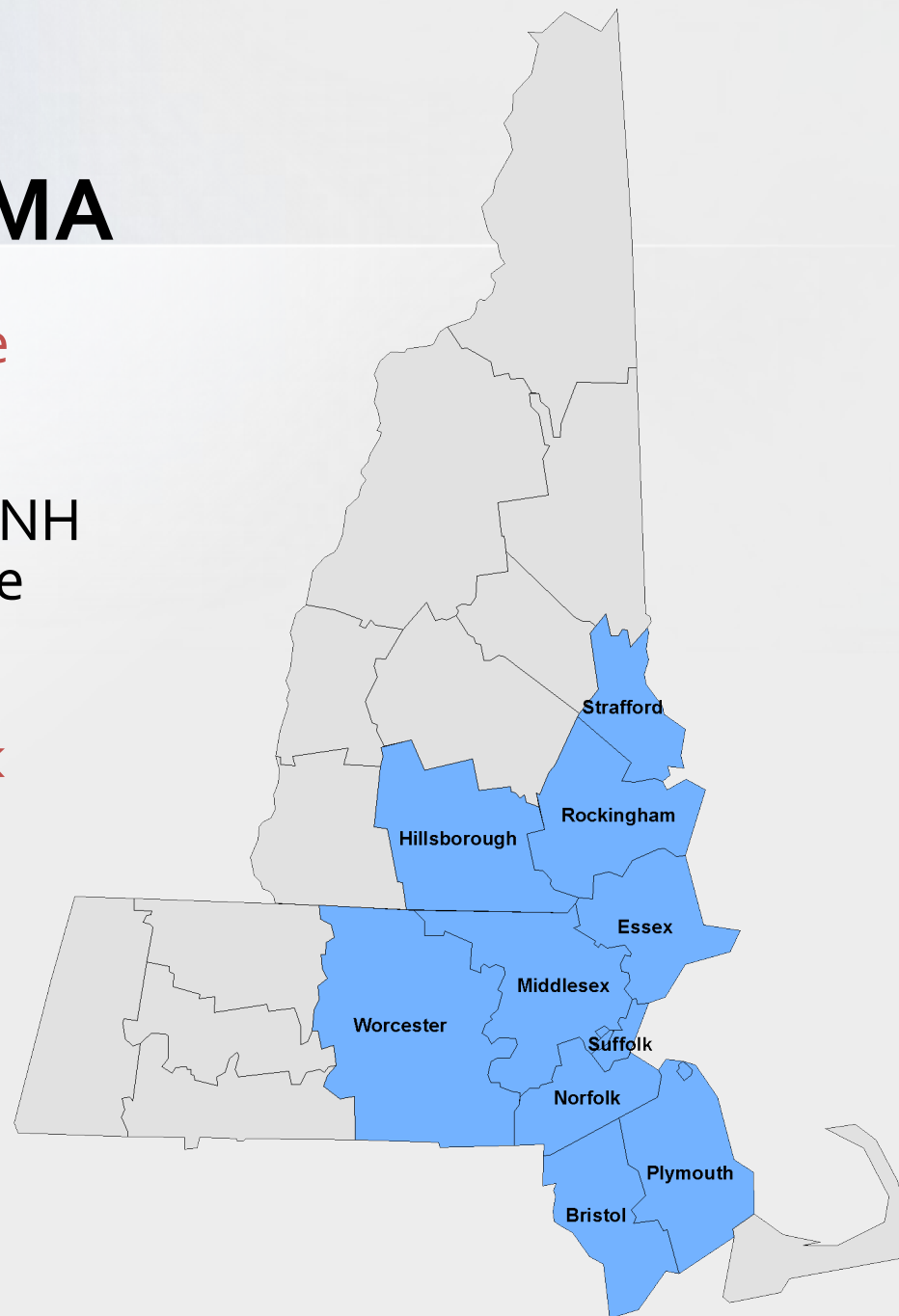


# Methods

- 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 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**



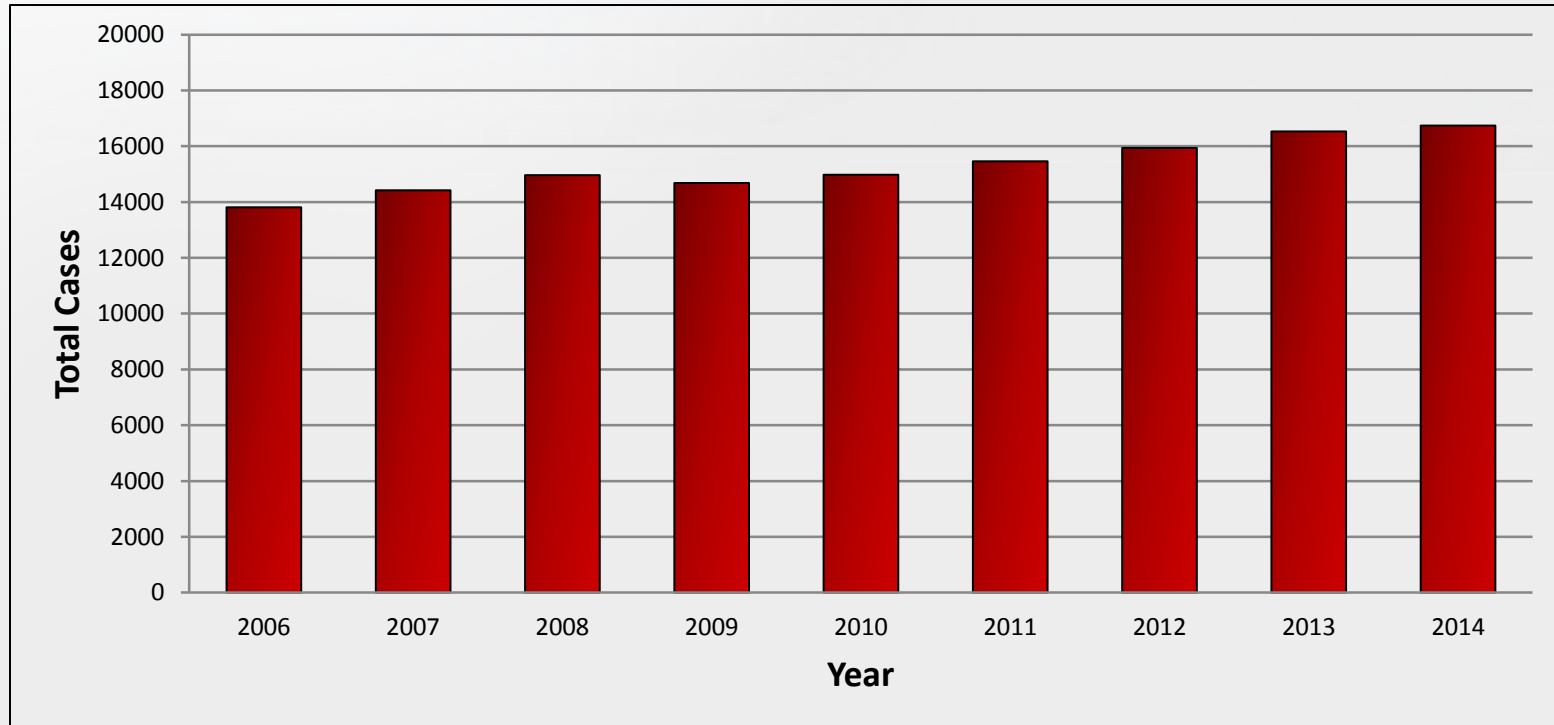
# People Living With HIV

## 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



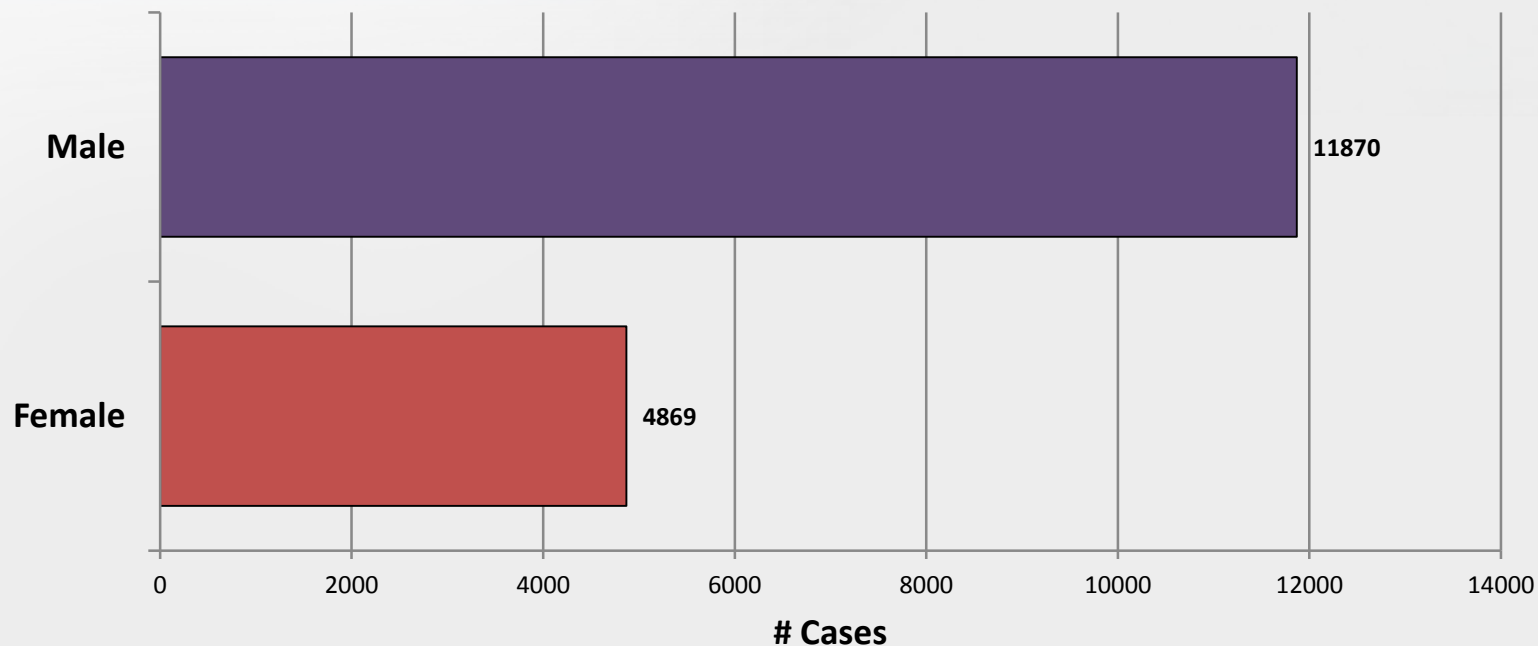
Data exclude individuals diagnosed while incarcerated

Source: MDPH & NHDHHS



# Boston EMA - PLWH in 2014: Gender

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



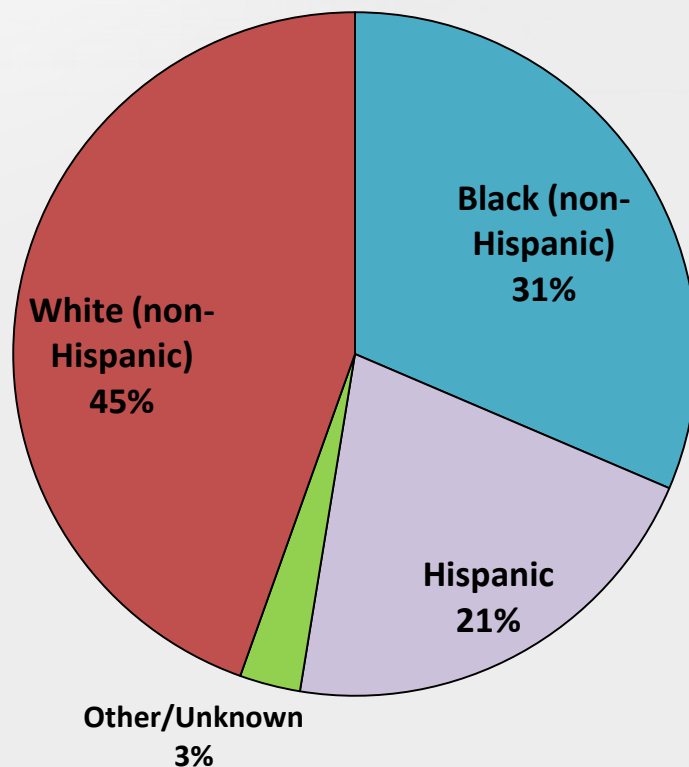
Data exclude individuals diagnosed while incarcerated

Source: MDPH & NHDHHS



## Boston EMA - PLWH in 2014: Race/Ethnicity

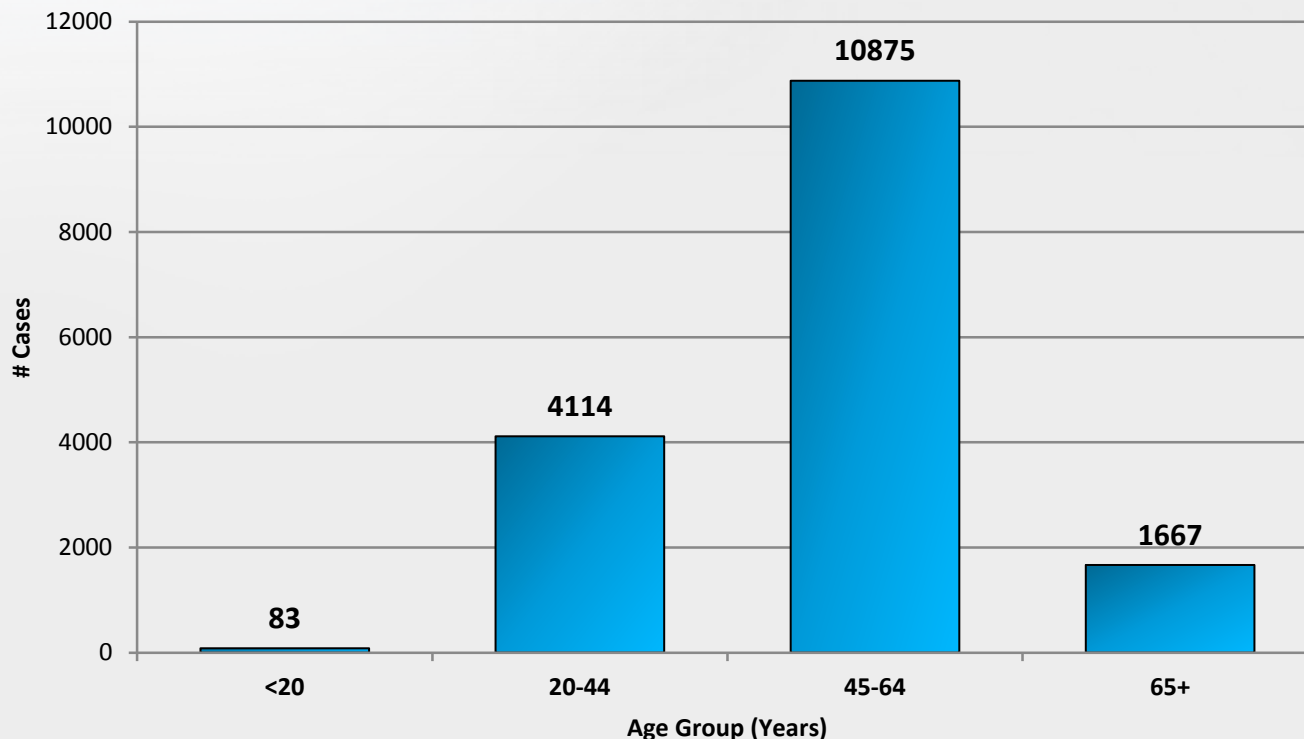
- Black (non-Hispanic) and Latino residents account for 6% and 9% of the Boston EMA population respectively, but accounted for 31% and 21% of PLWH in 2014



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

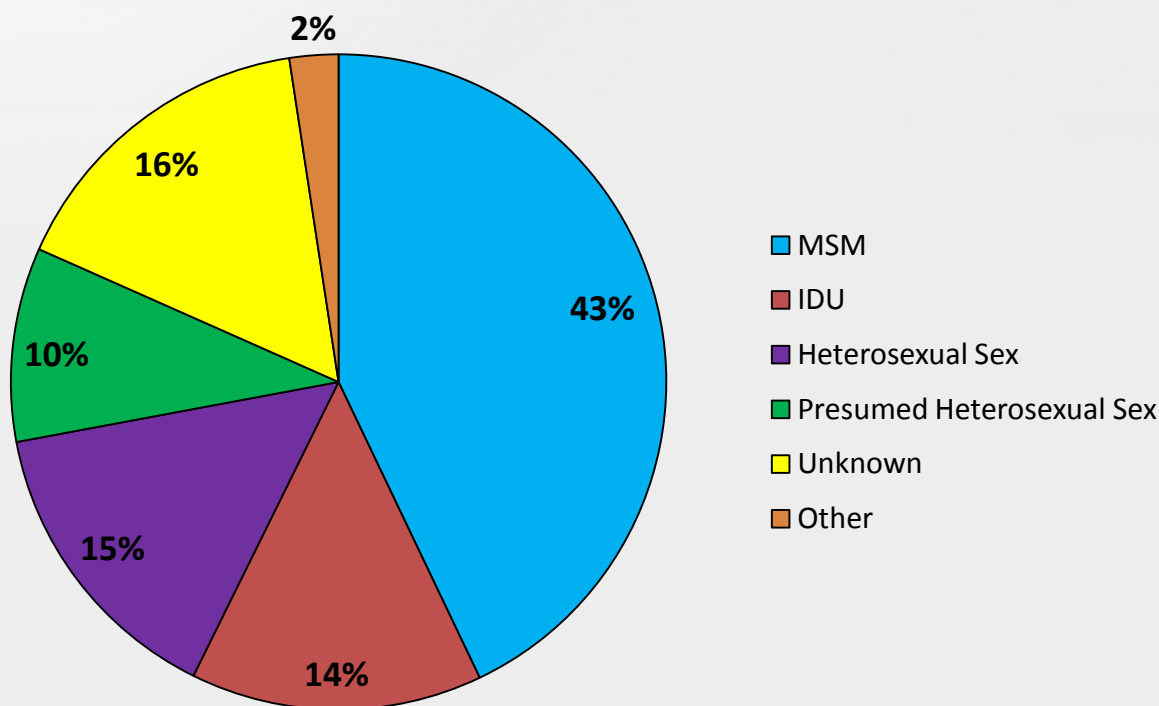
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# Boston EMA - PLWH in 2014: Risk Exposure

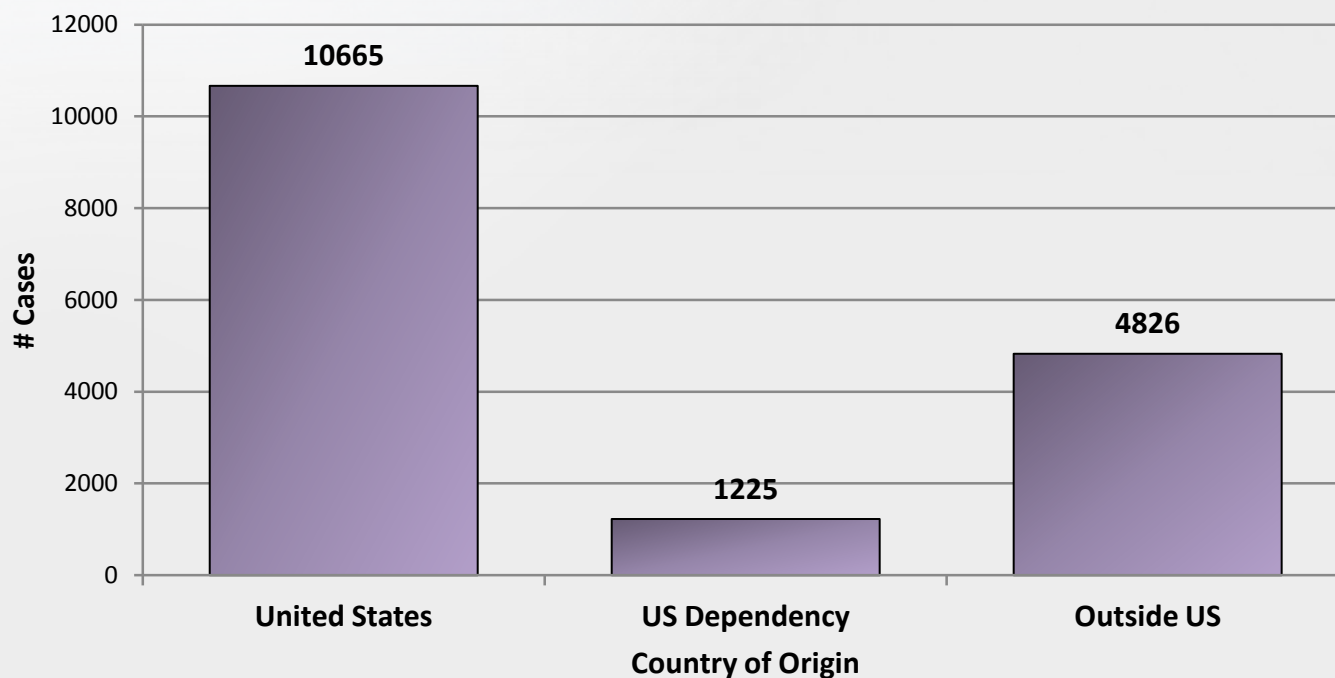
- Men who have sex with men (MSM) was the largest risk group, accounting for 43% of PLWH in 2014



Data exclude individuals diagnosed while incarcerated  
Source: MDPH & NHDHHS

# Boston EMA - PLWH in 2014: Country of Origin

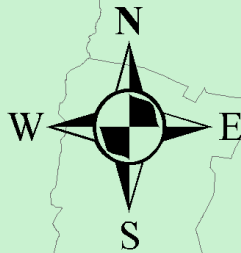
- 29% of PLWH in the Boston EMA in 2014 were born outside the United States



\*23 cases had unknown countries of origin

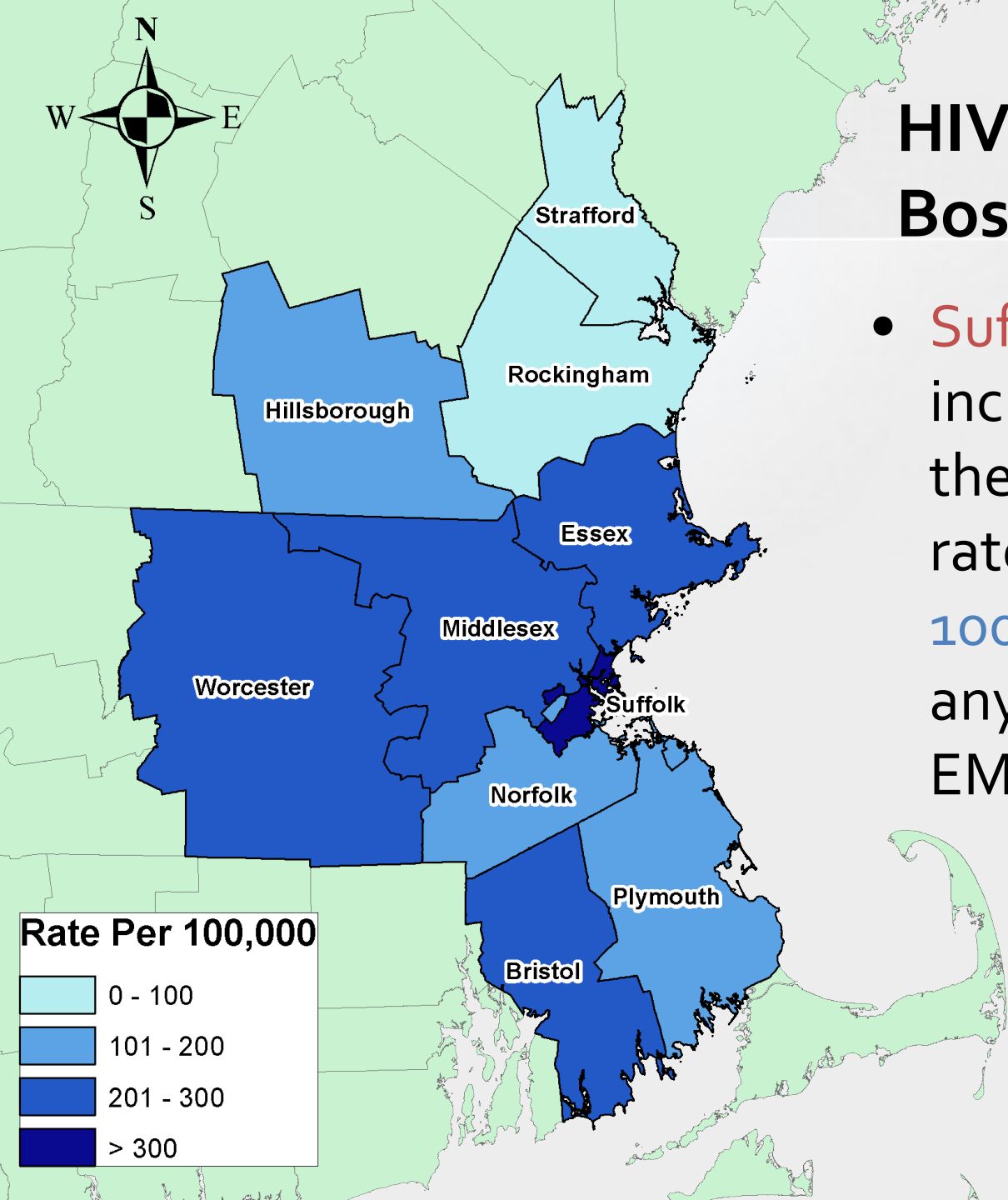
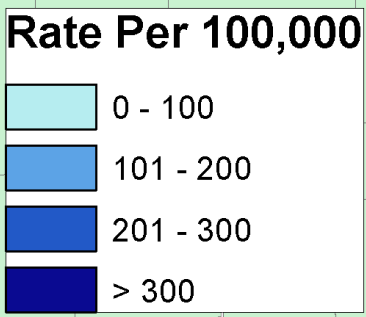
Data exclude individuals diagnosed while incarcerated

Source: MDPH & NHDHHS



# 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

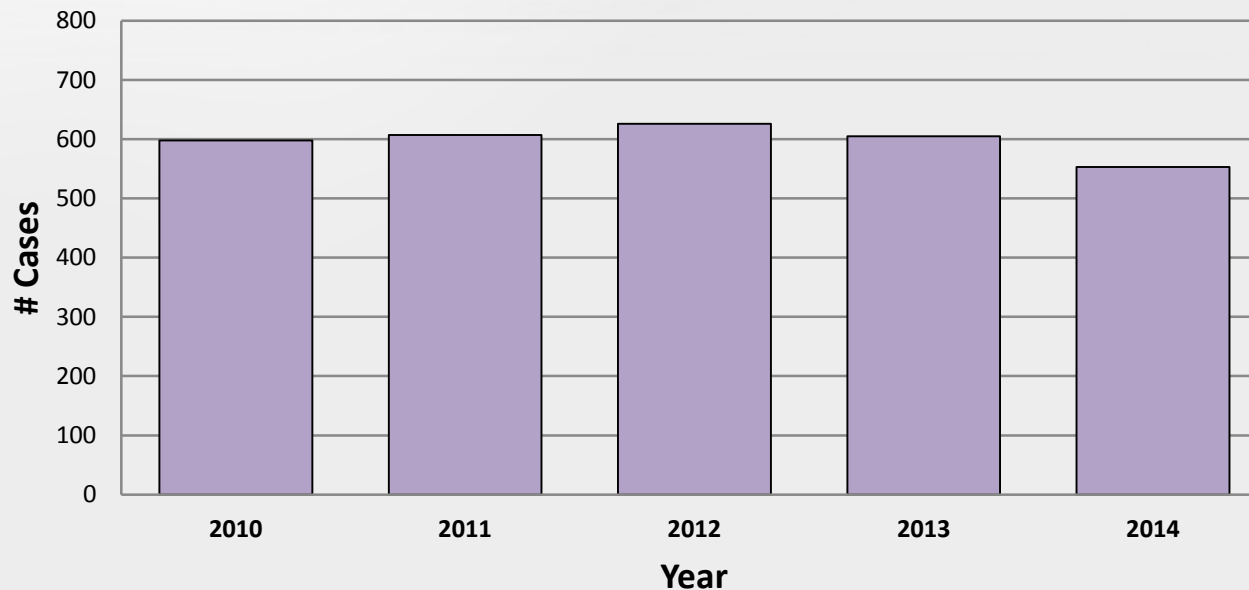


# **HIV Cases Diagnosed in 2014 Boston EMA**



# Boston EMA: New HIV Cases Diagnosed by Year

- 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

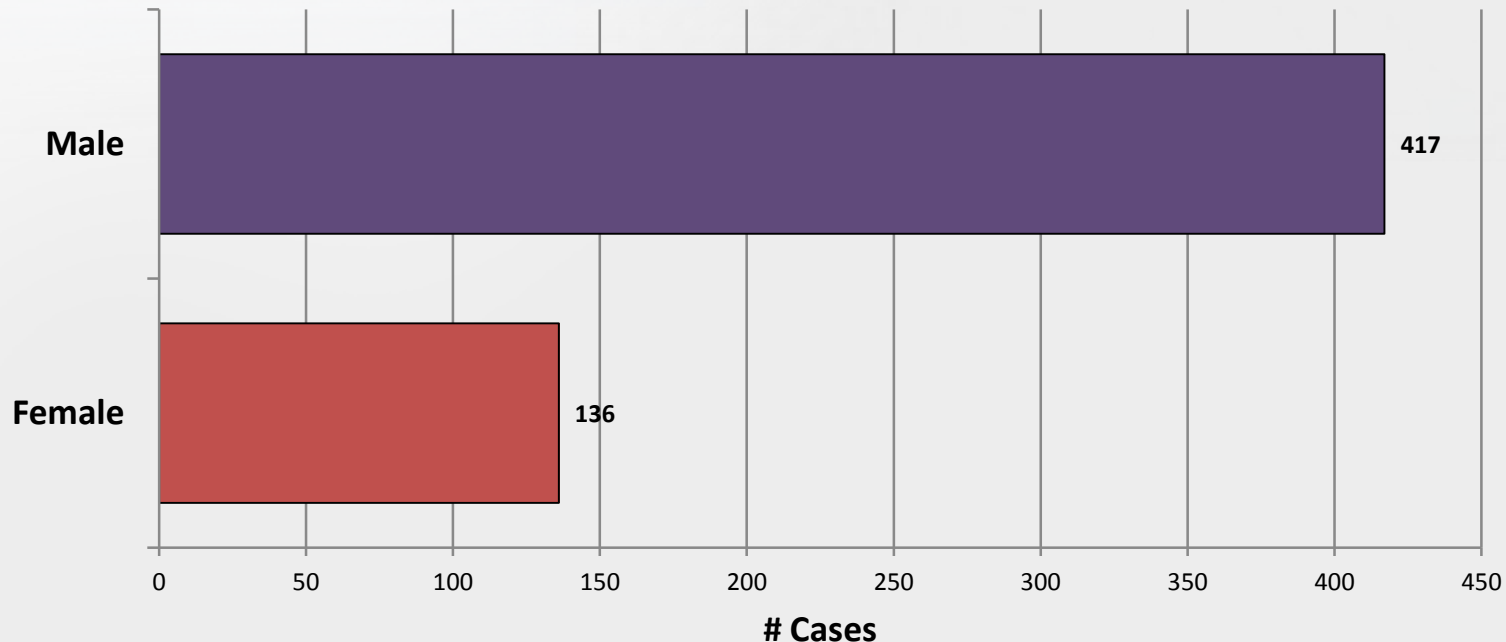
Source: MDPH & NHDHHS

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# Boston EMA 2014 Cases: Gender

- The majority of newly diagnosed HIV cases in 2014 were among men (75%)



Data exclude individuals diagnosed while incarcerated

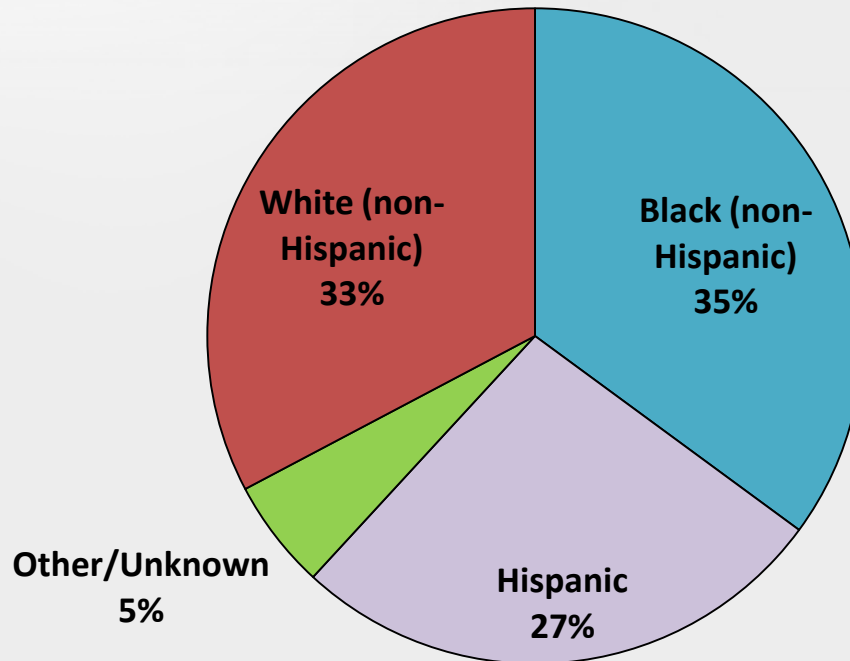
Source: MDPH & NHDHHS

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# Boston EMA 2014 Cases: Race/Ethnicity

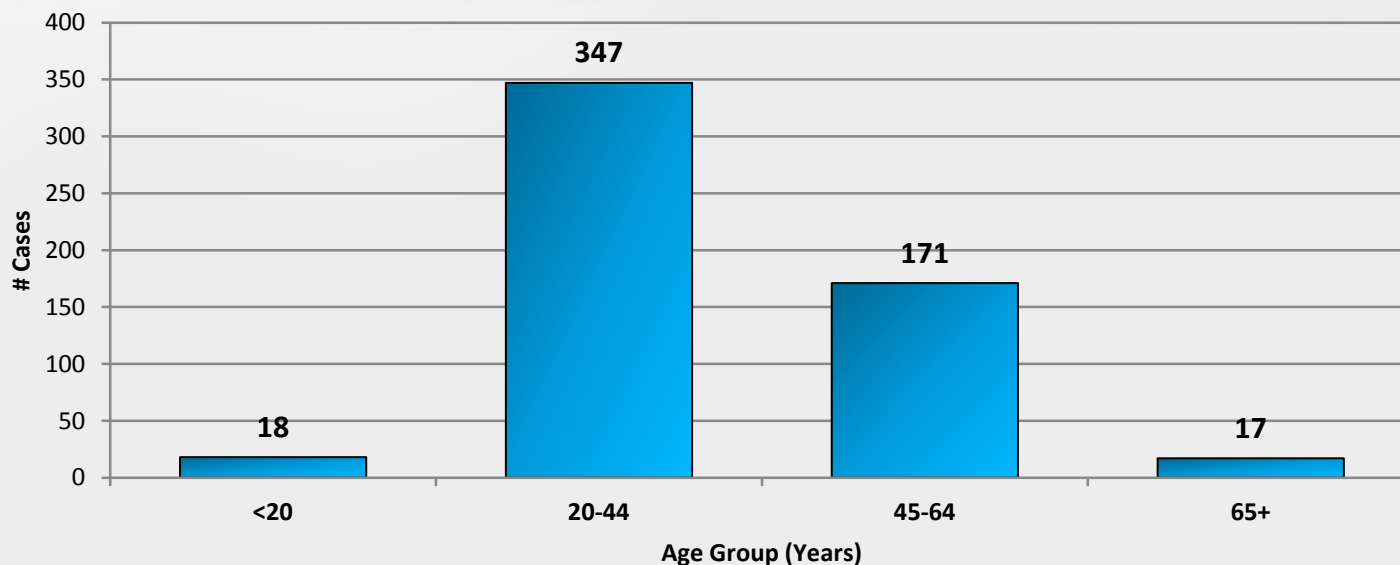
- Black (non-Hispanic) and Latino residents account for 6% and 9% of the Boston EMA population respectively, but accounted for 35% and 27% of HIV cases diagnosed in 2014



Data exclude individuals diagnosed while incarcerated  
Source: MDPH & NHDHHS

# Boston EMA 2014 Cases: Age at Diagnosis

- 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

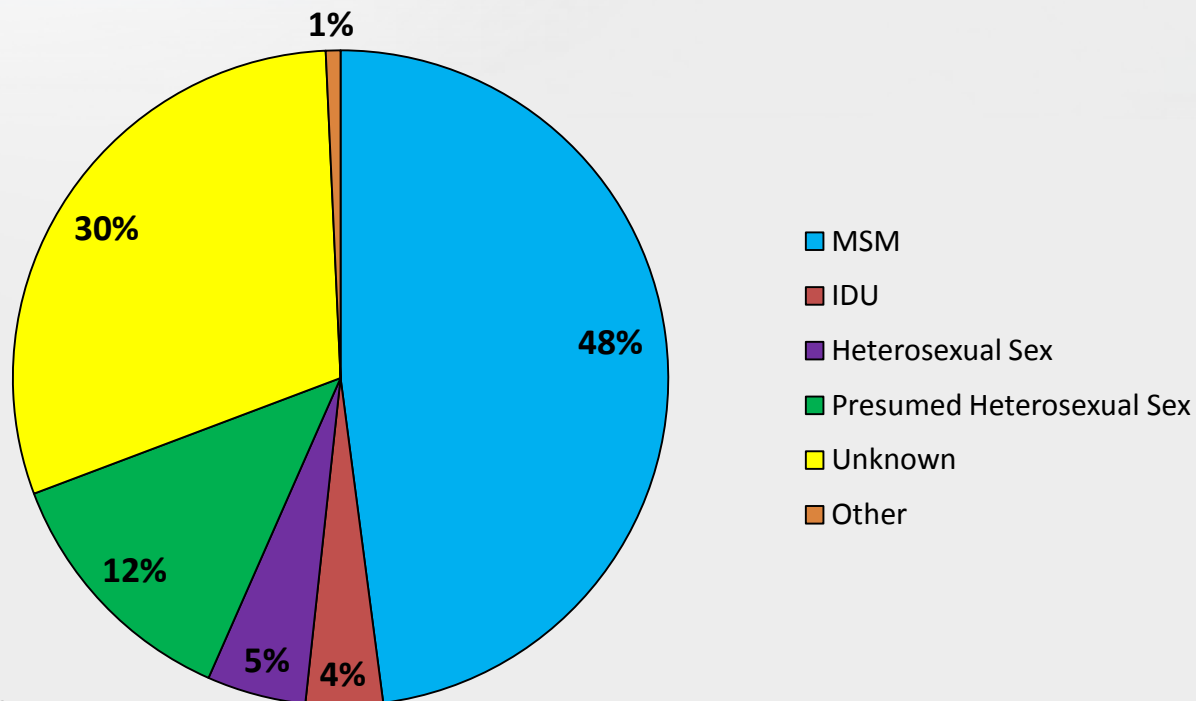
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# Boston EMA 2014 Cases: Risk Exposure

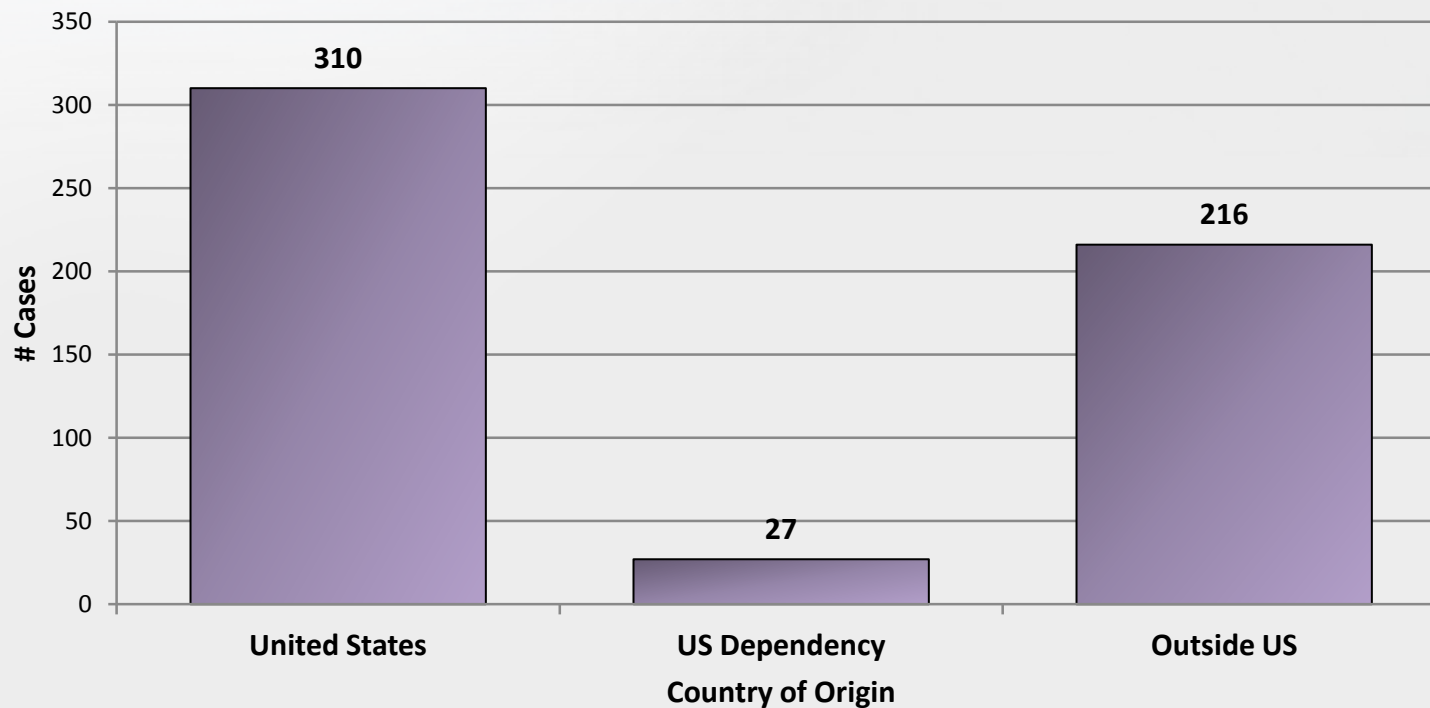
- Men who have sex with men (MSM) made up the largest proportion (48%) of new HIV cases in 2014



Data exclude individuals diagnosed while incarcerated  
Source: MDPH & NHDHHS

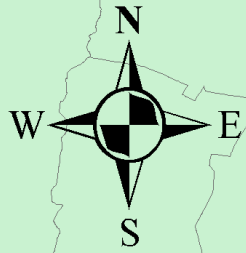
# Boston EMA 2014 HIV Cases: Country of Origin

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



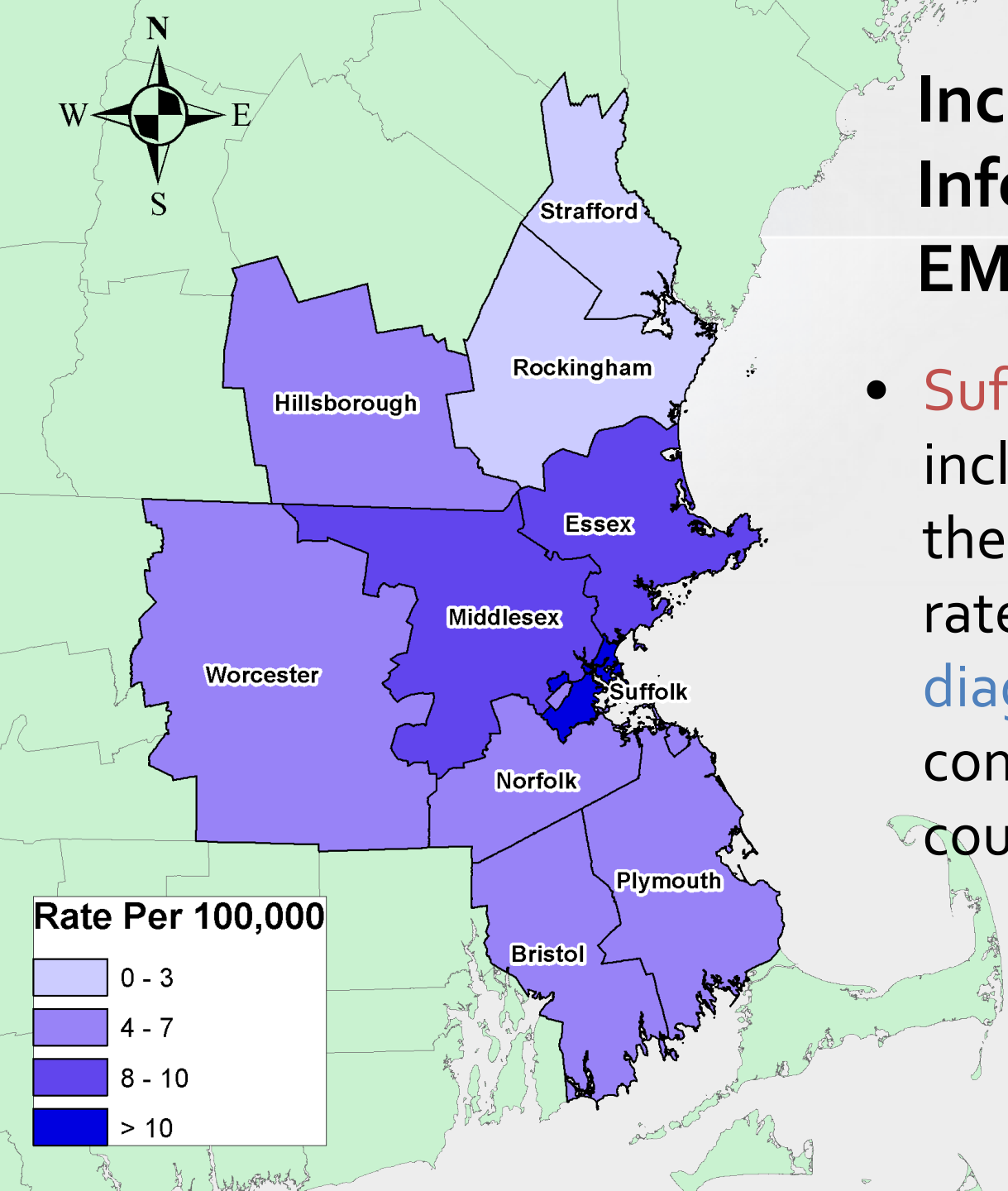
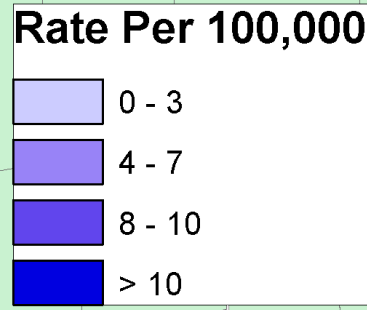
Data exclude individuals diagnosed while incarcerated

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



# Boston EMA: AIDS Cases, 2014

- 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

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