Tuberculosis Impact in Boston Residents: 2016

BOSTON PUBLIC HEALTH COMMISSION
Infectious Disease Bureau
Communicable Disease Control Division
Definitions

- Data include Boston residents only
- “TB cases” are CDC/ATS/IDSA Class 3
  - “Active TB”
- “Latent TB infection” is CDC/ATS/IDSA Class 2
  - “Sleeping TB”
Number of TB Cases: Boston, 2000-2016

The bar chart shows the number of tuberculosis cases in Boston from 2000 to 2016. The number of cases has decreased over the years, with the highest number in 2000 at 82 cases and the lowest in 2016 at 36 cases.
Incidence of TB: Boston, 2000-2016

Rate per 100,000

Rate: 13.9 12.7 11.4 10.9 11.9 9.7 10.4 8.3 10.4 9.7 9.8 7.1 6.6 6.5 7.8 6.2 5.8
Incidence of TB by Gender: Boston, 2014-2016
Percent of Reported TB Cases by Age Group: Boston, 2014-2016

Results may not equal 100% due to rounding
Percent of Reported Tuberculosis Cases by Race/Ethnicity: Boston, 2014-2016

Results may not equal 100% due to rounding
Incidence of TB by Race/Ethnicity: Boston, 2014-2016
TB Cases by Birthplace: Boston, 2014-2016

Results may not equal 100% due to rounding

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Primary Site of TB Disease: Boston, 2016

*Includes 3 cases of Pulmonary/Lymph Node TB; 1 case of Pulmonary/Lymph Node/Spinal TB; and 1 case of Pulmonary/Lymph Node/Gastrointestinal TB.
Sputum Smear and Culture Results for Cases with Primary Pulmonary TB: Boston, 2014-2016

* Smear samples unavailable for 4 cases
** Smear samples unavailable for 1 case
*** Smear sample unavailable for 5 cases
## Drug Resistance* in TB Cases: Boston, 2016

<table>
<thead>
<tr>
<th>One Drug</th>
<th>Number</th>
</tr>
</thead>
<tbody>
<tr>
<td>Isoniazid</td>
<td>2</td>
</tr>
<tr>
<td>Streptomycin</td>
<td>2</td>
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</tbody>
</table>

*No Boston cases with multidrug resistance

*Includes cases with negative, positive and indeterminate HIV test results
Percent TB Cases with HIV Infection:* Boston, 2014-2016

*Of those tested
Latent Tuberculosis Infection
Boston Residents
Boston Residents with Latent TB Infection (N=1,076) Evaluated at the BPHC TB Clinic, Incidence by Gender: 2016
Boston Residents with Latent TB Infection (N=1,076) Evaluated at the BPHC TB Clinic, Incidence by Age Group: 2016

- <10 Years
- 10-19 years
- 20-29 years
- 30-39 years
- 40-49 years
- 50-59 years
- 60-69 years
- >= 70 years
Percent of Boston Residents with Latent TB Infection (N=1,076) Evaluated at the BPHC TB Clinic by Race/Ethnicity: 2016

Results may not equal 100% due to rounding.
Boston Residents with Latent TB Infection (N=1,073) Evaluated at the BPHC TB Clinic, Incidence by Neighborhood: 2016

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For More Information:

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