Pennsylvania Department of Health TB Program
Resources and Collaborations

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Overview

TB Program

Responsibilities

Services

Data

Resources

Collaborations
The TB Program’s responsibility is to prevent and control the spread of TB.

- Set policies and procedures for TB control activities
- Manage the CDC cooperative agreement
- Surveillance and evaluation
- Training and education
- Ensuring public health laboratory services
PA TB Program Services

Services that are provided through financial support.

- Patient outpatient services
- TB clinicians
- Public health assistants
- Medications
- Clinic supplies
- Housing, food and other patient supports
- County/municipal health department programs
2017 CDC National data

- 9,105 new cases of TB
- Decrease in TB cases of 1.6 percent
- National incidence rate – 2.8 per 100,000
- Decrease of 2.3 percent from 2016
- 2,705 US born
- 6,384 non-US born

TB Infection Estimates

- Estimated that 257,000 individuals in Pennsylvania have TB infection

- Of those infected, approximately 172,000 are non-U.S. born

- This is based on just one methodology utilized by CDC to estimate TB infection prevalence
TB Morbidity in PA

PA Case Counts 2008-2017

- 2008: 387
- 2009: 236
- 2010: 238
- 2011: 260
- 2012: 234
- 2013: 214
- 2014: 208
- 2015: 200
- 2016: 173
- 2017: 192
## PA TB Case Rates

<table>
<thead>
<tr>
<th>Year</th>
<th>Number of Cases</th>
<th>Rate*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2008</td>
<td>387</td>
<td>3.08</td>
</tr>
<tr>
<td>2009</td>
<td>236</td>
<td>1.87</td>
</tr>
<tr>
<td>2010</td>
<td>238</td>
<td>1.87</td>
</tr>
<tr>
<td>2011</td>
<td>260</td>
<td>2.05</td>
</tr>
<tr>
<td>2012</td>
<td>234</td>
<td>1.84</td>
</tr>
<tr>
<td>2013</td>
<td>214</td>
<td>1.68</td>
</tr>
<tr>
<td>2014</td>
<td>209</td>
<td>1.65</td>
</tr>
<tr>
<td>2015</td>
<td>200</td>
<td>1.56</td>
</tr>
<tr>
<td>2016</td>
<td>173</td>
<td>1.35</td>
</tr>
<tr>
<td>2017</td>
<td>192</td>
<td>1.50</td>
</tr>
</tbody>
</table>

*per 100,000 population
Reported Number of TB Cases in 2017

- > 17 to 75
- > 10 to 17
- > 4 to 10
- > 2 to 4
- 1 to 2

2017 PA TB High Morbidity Areas

[Map depicting the distribution of TB cases across Pennsylvania counties, with different colors representing the number of cases in each category.]
Birth Country Comparison

- **Non-U.S. born**
  - 2014: 135
  - 2015: 123
  - 2016: 116
  - 2017: 134

- **U.S. born**
  - 2014: 73
  - 2015: 77
  - 2016: 57
  - 2017: 58
# Country of Birth - 2017

<table>
<thead>
<tr>
<th>Birth Country</th>
<th>Number of cases</th>
<th>Percent</th>
</tr>
</thead>
<tbody>
<tr>
<td>United States</td>
<td>54</td>
<td>28.13%</td>
</tr>
<tr>
<td>India</td>
<td>25</td>
<td>13.02%</td>
</tr>
<tr>
<td>Vietnam</td>
<td>18</td>
<td>9.38%</td>
</tr>
<tr>
<td>China</td>
<td>12</td>
<td>6.25%</td>
</tr>
<tr>
<td>Bhutan</td>
<td>8</td>
<td>4.17%</td>
</tr>
<tr>
<td>Mexico</td>
<td>7</td>
<td>3.65%</td>
</tr>
<tr>
<td>Philippines</td>
<td>6</td>
<td>3.13%</td>
</tr>
<tr>
<td>Haiti</td>
<td>4</td>
<td>2.08%</td>
</tr>
<tr>
<td>Puerto Rico</td>
<td>3</td>
<td>1.56%</td>
</tr>
<tr>
<td>Eritrea</td>
<td>3</td>
<td>1.56%</td>
</tr>
<tr>
<td>All other</td>
<td>52</td>
<td>27.08%</td>
</tr>
<tr>
<td>Year</td>
<td>Immigrants/refugees with a B1/B2 condition</td>
<td>Abnormal CXR overseas</td>
</tr>
<tr>
<td>------</td>
<td>------------------------------------------</td>
<td>-----------------------</td>
</tr>
<tr>
<td>2014</td>
<td>527</td>
<td>449</td>
</tr>
<tr>
<td>2015</td>
<td>470</td>
<td>450</td>
</tr>
<tr>
<td>2016</td>
<td>735</td>
<td>502</td>
</tr>
<tr>
<td>2017</td>
<td>659</td>
<td>450</td>
</tr>
<tr>
<td>Year</td>
<td>Refugees referred for evaluation via EDN</td>
<td>Abnormal CXR overseas consistent with TB</td>
</tr>
<tr>
<td>------</td>
<td>----------------------------------------</td>
<td>----------------------------------------</td>
</tr>
<tr>
<td>2014</td>
<td>336</td>
<td>279</td>
</tr>
<tr>
<td>2015</td>
<td>242</td>
<td>177</td>
</tr>
<tr>
<td>2016</td>
<td>237</td>
<td>166</td>
</tr>
<tr>
<td>2017</td>
<td>130</td>
<td>104</td>
</tr>
</tbody>
</table>
Collaboration is imperative to ensuring health and success.

- Coordination of services
- Transportation
- Translation
• The Centers for Disease Control and Prevention (CDC) fund state and big city TB programs across the country through a cooperative agreement.

• CDC funds four Centers of Excellence (COEs). COEs provide training, educational resources and medical consultation.

• The Global Tuberculosis Institute at Rutgers (GTBI) is the COE for the northeast United States including Pennsylvania.
TB Program Resources

- TB medical evaluation and treatment
- TB medical consultation
- TB training opportunities and trainers
- Educational tools
  - Updated TB Program website
  - TB poster for private health-care providers
  - Latent TB Infection (LTBI) toolkit for health-care professionals
THINK TB ... TEST FOR TB

when you see patients with these signs and symptoms - especially those from countries where tuberculosis (TB) is endemic.

If you have questions about testing for, diagnosing or treating tuberculosis, call the Pennsylvania TB Program at 727-787-8265. After hours, call 877-724-2358.

1. Fever
2. Coughing up blood
3. Chills
4. Weight loss
5. Night sweats
6. Long-term cough
7. No appetite
8. Fatigue

All suspected or confirmed cases of active TB must be reported within five working days of being identified. Contact your local state health center, county or municipal health department, or the Pennsylvania TB Program.

pennsylvania DEPARTMENT OF HEALTH
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TB Program
717-787-6267