World TB Day 2021
Congressional Briefing

Philip LoBue, MD, FAACP, FCCP
March 22, 2021

National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention

WORLD TB DAY 2021

Philip LoBue, MD, FAACP, FCCP
Director, Division of Tuberculosis Elimination

March 22, 2021

Too Many People Still Suffer from TB Disease
TB in the United States, 1993 - 2020*

<table>
<thead>
<tr>
<th>Year</th>
<th>No. of Cases</th>
<th>Incidence Rate</th>
</tr>
</thead>
<tbody>
<tr>
<td>2010</td>
<td>11,076</td>
<td></td>
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<tr>
<td>2011</td>
<td>10,481</td>
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<tr>
<td>2012</td>
<td>9,926</td>
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<tr>
<td>2020</td>
<td>7,163</td>
<td></td>
</tr>
</tbody>
</table>

*Provisional surveillance data embargoed until 03/25/2021 at 1:00 PM EDT.

Unexpected Decline Raises Concerns About Missed or Delayed Diagnoses
Total number of reported TB cases, 2010–2020*

<table>
<thead>
<tr>
<th>Year</th>
<th>Expected number of cases: 8,800</th>
<th>Observed number of cases: 7,163</th>
</tr>
</thead>
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<td>2010</td>
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Reach the Hardest-Hit Places and Populations
US states with the highest TB burden, 2020*

California, Texas, New York and Florida accounted for approximately 50% of the total TB cases in the United States in 2020.

U.S. Cannot Limit TB Control Efforts
States reporting increase in 2020*

U.S.-born persons
Non-U.S.-born persons

Populations Disproportionately Affected by TB Rate* by birth origin and race/ethnicity, 2020**

Non-U.S.-born persons
U.S.-born persons

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+ A person is considered U.S.-born if eligible for U.S. citizenship at birth, regardless of place of birth.
Potential for Developing TB Disease
13 million people in the U.S. have LTBI

More Than 80% of U.S. TB Cases Result from Longstanding Untreated LTBI

TB Disease: Only the Tip of the Iceberg

7,163 with TB disease in U.S.
Up to 13 million people in the U.S. have LTBI

TB Elimination Requires a Dual Approach

Continue to find and treat people with TB disease and their contacts
Expand efforts to find and treat people with latent TB infection (LTBI)
LTBI Testing and Treatment Prevents TB Disease
Estimated LTBI prevalence by county*

Expanding LTBI Screening, Testing, and Treatment Engagement with Primary Healthcare Providers

- Test for latent TB infection as a routine part of primary care for patients at higher risk of TB disease
- Encourage healthcare providers to use newer TB blood tests to screen for latent TB infection
- Prescribe shorter course regimens for latent TB infection to prevent the development of TB disease

TB Elimination Saves Lives and Money (2019 dollars)

Up to 13 million people are living with LTBI

The cost of treating one person with:
- Extensively drug-resistant TB (EDR-TB)
  - Initial treatment: 12 months
  - Average cost: $553,000
- Multidrug-resistant TB (MDR-TB)
  - Treatment: 20-26 months
  - Average cost: $178,000
- Drug-susceptible TB
  - Treatment: 6-9 months
  - Average cost: $20,000

The average number of treatment is 3-4 months
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CDC Drives Innovation and Advancements in TB Prevention and Control

Communications, Education & Evaluation
Data Management
Field Services
Laboratory
Policy, Planning & Advocacy
Prevention
Public Health Surveillance
Research
TB Elimination

How TB Expertise is Applied to the COVID-19 Response

CDC’s TB Expertise

• Case investigation and contact tracing
• Clinical care and treatment
• Infection control
• Field investigations in institutional and other congregate settings

Division Deployments

• 72% of eligible Division staff have served on the COVID-19 response
• Contributed 96,000 person-days to the response from December 2020

U.S. State, Local, and Territorial TB Programs Response

• More than 80 percent of staff have deployed to support their jurisdictions’ COVID-19 response

For more information, contact CDC:
1-800-CDC-INFO (232-4636)
TTY: 1-888-232-6348
www.cdc.gov

The findings and conclusions in this report are those of the authors and do not necessarily represent the official position of the Centers for Disease Control and Prevention.