Maryland TB Epidemiology Update

Alexandra Pyan, MPH
Prevention and Health Promotion Administration
Center for TB Control and Prevention

September 29, 2022
Mission and Vision

MISSION
The mission of the Prevention and Health Promotion Administration is to protect, promote and improve the health and well-being of all Marylanders and their families through provision of public health leadership and through community-based public health efforts in partnership with local health departments, providers, community based organizations, and public and private sector agencies, giving special attention to at-risk and vulnerable populations.

VISION
The Prevention and Health Promotion Administration envisions a future in which all Marylanders and their families enjoy optimal health and well-being.
Estimated TB incidence rates, 2020

Source: World Health Organization
TB Case Rate, United States, 2021

Source: Centers for Disease Control and Prevention
TB Case Rates, United States, 2020

Source: Centers for Disease Control and Prevention
Active TB in Maryland, 2013-2021
Maryland Case Rates, 2021

- Orange: >3.3 /100,000
- Green: <3.3/100,000
- White: No reported cases
TB Case Rates Among US and Non-US-Born, 2017-2021
Percent of TB Cases by Origin, 2019-2021

- **Non US-Born**
  - 2019: 169
  - 2020: 120
  - 2021: 146

- **Us-Born**
  - 2019: 42
  - 2020: 28
  - 2021: 52

*Maryland Department of Health*
Top Countries of Birth
Maryland, 2021

- USA: 27%
- India: 10%
- Cameroon: 6%
- Philippines: 6%
- El Salvador: 5%
- Ethiopia: 5%
- Other: 41%
TB Cases by Race and Origin, 2021

**US-Born**
- Black/African American: 57%
- White: 33%
- Hispanic: 8%
- Other: 2%

**Non US-Born**
- Hispanic: 22%
- Multi-Race: 1%
- Black: 31%
- Asian: 40%
- White: 6%
Site of Disease, Maryland 2021

- Pulmonary: 54%
- Extra-Pulmonary: 35%
- Both: 11%
Numbers of TB-HIV Co-Infection by Origin of Birth, 2017-2021

<table>
<thead>
<tr>
<th>Year</th>
<th>US-Born</th>
<th>Non US-Born</th>
</tr>
</thead>
<tbody>
<tr>
<td>2017</td>
<td>17%</td>
<td>7%</td>
</tr>
<tr>
<td>2018</td>
<td>6%</td>
<td>6%</td>
</tr>
<tr>
<td>2019</td>
<td>7%</td>
<td>13%</td>
</tr>
<tr>
<td>2020</td>
<td>6%</td>
<td>9%</td>
</tr>
<tr>
<td>2021</td>
<td>5%</td>
<td>5%</td>
</tr>
</tbody>
</table>

US-Born  Non US-Born
TB and Diabetes, 2017-2021

![Graph showing the trend of TB and Diabetes cases and percentages from 2017 to 2021. The graph indicates a decrease in both cases and percentage over the years.]
NEDSS Updates

• All 2022 and 2021 cases need to entered into NEDSS by early January 2023
  • Paper RVCT can be sent to CTBCP if you need assistance with data entry
  • Notify CTBCP if you still do not have access to NEDSS

• RVCT version 3 is expected to roll-out by early 2023
  • Training to come!
Questions?

alexandra.pyan@maryland.gov
Prevention and Health Promotion Administration

https://phpa.health.Maryland.gov