Maryland TB and LTBI Epidemiology Update

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September 17, 2020
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.
TB Case Rates, United States, 2019

*Based on provisional NTSS data as of March 3, 2020.*
Maryland TB, 2011-2019
Maryland Case Rates, 2019

- >3.5 /100,000
- <3.5/100,000
- No reported cases
TB Case Rates Among US and Non US-Born, 2015-2019

Case Rate per 100,000

- MD US-Born
- MD Foreign-Born
- US US-Born
- US Foreign-Born

[Graph showing the case rates for different populations from 2015 to 2019]
Percent of TB Cases by Origin
2017-2019

- 2017: 79% Non US-Born, 21% Us-Born
- 2018: 84% Non US-Born, 16% Us-Born
- 2019: 80% Non US-Born, 20% Us-Born

MARYLAND
Department of Health
Top Countries of Birth
Maryland, 2019

- USA: 20%
- Philippines: 11%
- India: 7%
- Ethiopia: 10%
- El Salvador: 5%
- Cameroon: 5%
- Other: 42%
Non-US born TB Case Numbers, by Time from U.S Arrival to Diagnosis, 2017-2019
TB Cases by Race and Origin, 2019

**US-Born**
- Hispanic: 9%
- White: 16%
- Asian: 12%
- Black/African American: 63%

**Non US-Born**
- Hispanic: 20%
- Multi-Race: 1%
- Black: 36%
- White: 2%
- Asian: 41%
Cases by Age Group, 2017-2019

![Bar chart showing cases by age group for 2017-2019]
Case rate in Children <5
2015-2019
Site of Disease, Maryland 2019

- Pulmonary: 63%
- Extra Pulmonary: 25%
- Both: 12%
Numbers of TB HIV Co-Infection
Origin of Birth, 2015-2019
TB and Diabetes, 2015-2019

The chart shows the number of cases and the percentage of cases for TB and Diabetes from 2015 to 2019. The number of cases has remained relatively stable, with slight fluctuations. The percentage of cases has shown a downward trend over the same period.
MDR/XDR TB in Maryland, 2015-2019
Trends

Montgomery County increase in US Born Cases

![Bar chart showing the increase in US Born cases from 2016 to 2019.](chart.png)
Trends

Charles County Case Count Increase

Cases in Charles Co

Year
2016
2017
2018
2019
2020 Year to Date TB Data

• 72 cases of active TB reported (as of 9/1/2020)
  • 59 non-US-born
  • 13 US-born

• There were 120 cases at this point in 2019
  • 40% decrease in reported cases this year
LTBI Surveillance
Year 1 of Reporting

- July 1, 2018 – June 30, 2019
- 8226 Reports
  - 735 reports per month average
  - 2153 (26.2%) with LTBI diagnosis
- 799 (37.1%) from LHD’s
LTBI Treatment – All LTBI

- LTBI: 100.0%
- Offered Treatment: 55.5%
- Started Treatment: 37.2%
LTBI Treatment – LHD Only

- LTBI: 64.2%
- Offered Treatment: 55.1%
- Started Treatment: 49.0%
LTBI Treatment Regiment – LHD only

- 3HP: 19.5%
- 4 RIF: 58.9%
- 9 INH: 16.3%
- Other: 5.3%
Contact Info

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