EPIDEMIOLOGY OF TUBERCULOSIS

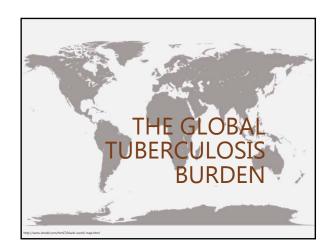
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Disclosures

- None of the speakers or planners involved in this activity has any relevant conflict of interest.
- The use of trade names and commercial sources during this presentation is for identification only, and does not imply endorsement.
- No commercial support has been received for this program.

Objectives

- Identify trends in global, national, and Michigan TB epidemiology that have contributed to the number of TB cases in 2016
- Identify important risk-factors that have contributed to the number of TB cases in 2016



How many new cases of TB were reported globally to WHO in 2015? A. 8.4 Million

B. 6.3 Million

C. 6.1 Million

D.12.4 Million

Status of the Global TB

Epidemic —
Global Tuberculosis Report
2016

10.4 million people FELL ILL FROM TB

Including 400,000 WITH HIV - TB

That 32.00 people recy fair

60% of TD cases workforded occurred in just 500 MININIS

Was action and investment to the million people FELL ILL FROM TB

Including 400,000 WITH HIV - TB

That 32.00 people recy fair

60% of TD cases workforded occurred in just 500 MININIS

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3 MININIS OUT 500 MININIS

ACCESS TO CAME

G. 1 million people had ACCESS TO CAME

G. 2 million people million people had ACCESS TO CAME

ACCESS TO CAME

G. 3 million people had ACCESS TO CAME

G. 4 million people had ACCESS TO CAME

G. 5 million people had ACCESS TO CAME

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G. 7 million people had ACCESS TO CAME

G. 8 million people had ACCESS TO CAME

G. 9 million people had ACCESS TO CAME

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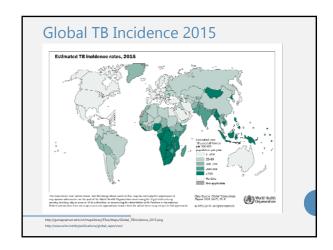
G. 7 million people had ACCESS TO CAME

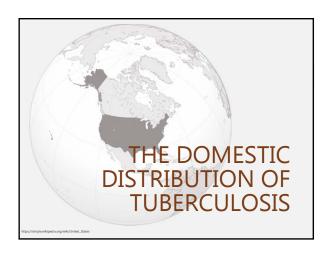
G. 7 million people had ACCESS TO CAME

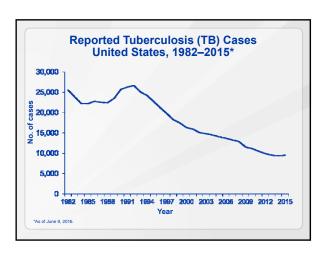
G. 8 million people had ACCESS TO CAME

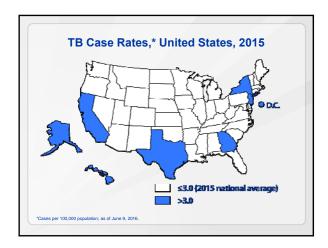
G. 9 million people had ACCESS TO CAME

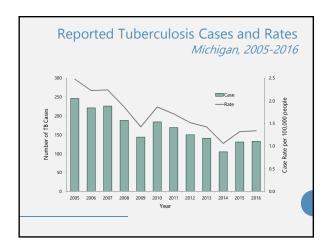
G. 1 mil





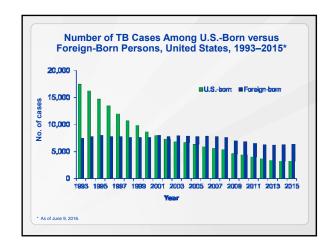


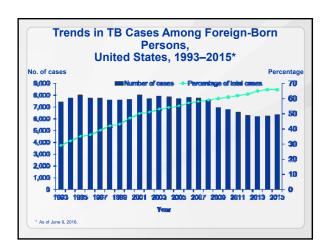


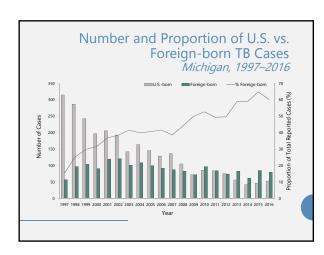


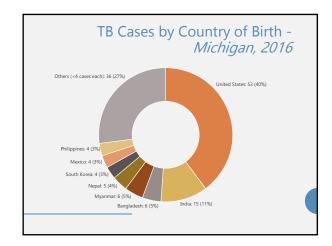
Clinical Characteristics of TB Cases - Michigan, 2016

- Site of TB Disease:
- 51% Pulmonary
- 41% Extrapulmonary
- 46% Ocular
- 8% Concurrent
 - 9% Ocular
- Verification Criteria:
- 52% Culture Positive
- 4% NAAT Positive (no culture)
- 41% Clinical
- 3% Provider Diagnosed
- 100% of culture positive cases were genotyped
- 16% in a genotype cluster

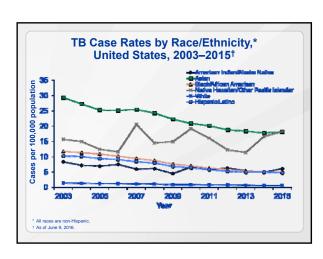


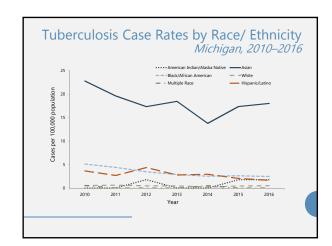


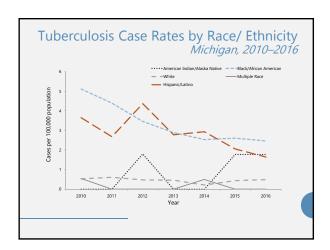


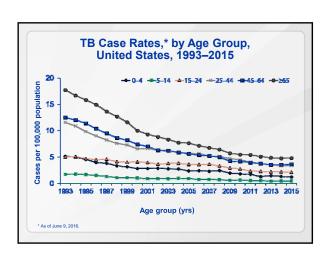


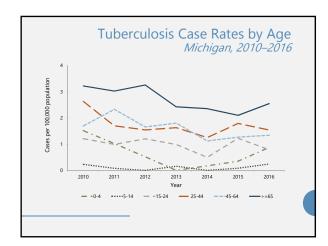


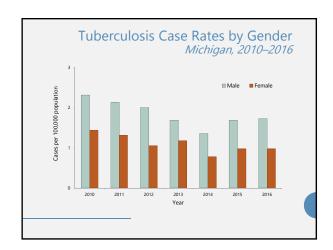


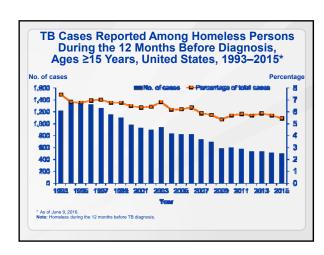


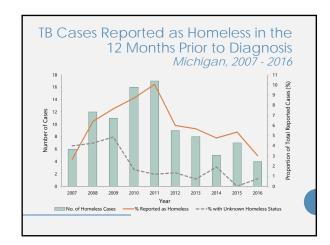


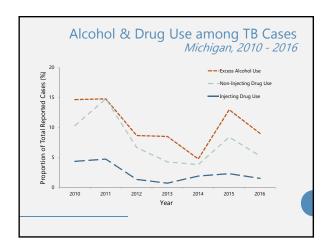


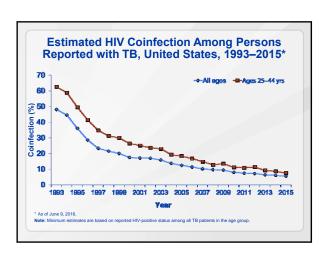


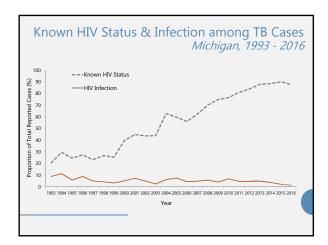


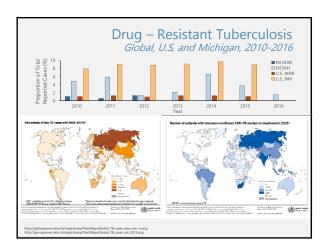












Thank you! Acknowledgements: Local Health Jurisdiction, Tuberculosis/Communicable Disease Nurses and Staff MDHHS, Tuberculosis Control Unit CDC, Division of Tuberculosis Elimination (DTBE) Contact Information: smiths79@michigan.gov References: World Health Organization, Global tuberculosis report 2016, Geneva, Switzerland: World Health Organization; 2016, http://apps.who.midris/libitrate/m1/08/65/2044/1/978924155594-eng.pdflua-1 CDC. Reported suberculosis in the United States, 2015, Mansa, Gab. Use Department of Health and Human Services, CDC. 2016. http://www.cdc.gov/bb/stafistics/reports/2015/defaul.htm. Salinas R. Mariacs, R. Hadea M. Rehad R. Part R. Prois S. Langer Al Leening of Tuberculosis incidence—United States, 2013-2015. MMWR Morts Mortal Wkly Rep. 2016;65:273-278. DGB: http://dx.doi.org/10.15986/mmer.mmf511a2 4. US Census Bureau. Current estimates data. Washington, DC US Census Bureau, 2015. http://www.census.gov/popent/data/state/zen/12/15/mdes.html