TB in King County: Local to Global Implications

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Masa Narita, MD
TB Control Officer
Public Health - Seattle & King County
Professor of Medicine, Div of Pulmonary, Critical Care and Sleep Medicine
University of Washington
King County, Washington
People in King County

- The population of King County has increased from 1.5 million residents in 1990 to 2.26 million residents in 2020, an increase of 50%.
Number of TB Cases among US-born vs. Non-US-born persons, 1993-2020, King County, WA
Proportion of TB Cases by Age Group, 2010-2020, King County, WA
Public Health - Seattle & King County
TB Control Program

- **Vision:** TB-Free King County
- **Mission:** Prevent the spread of TB
- **Activities:**
  - Management of infectious TB cases and their close contacts
    - Case management and DOT
    - Identification and evaluation of close contacts and assure TB preventive treatment if indicated.
Program activities

- Follow-up evaluation of immigrants who underwent required TB screening (and assure TB preventive treatment if indicated)
- Surveillance and outbreak prevention
- Consultation
- Participation in CDC-sponsored research projects
- Local program-relevant research
Strategic Direction

- Recruiting and engaging community members and healthcare agencies in TB prevention
  - Enhance oversight of LTBI evaluation and treatment → LTBI reporting
Local to Global implications

Number of TB Cases Among U.S.-Born versus Non-U.S.-Born Persons, United States, 1993–2016*

King County

National
Local to global implications

- “Collaborations to help end the TB epidemic; a new vision for the 21st century”

- WSALPHO (WA State Association of Local Public Health Officials) and WA DOH posted a request for proposal to modernize the governmental public health system in 2017
  - “TB Shared Service Model” was funded → Washington TB Collaborative Network
Original Proposal

- **Mission**: Promote efficient and effective models of TB control and prevention through collaboration in WA
- **Short-term Goal**: Support and help LHDs meet their role in preventing and controlling TB
- **Role of King County**: Assist/Coordinate TB efforts across the state of Washington working in collaboration with DOH and LHDs

**Audacious goal**: Foster collaborative network working with the partners
Services: Modernization of the governmental public health system

Use of technology: ECHO Project

Augment the TB control/prevention operations in WA

Build a peer support and learning TB community

Help develop a system that delivers more efficient and effective public health services (e.g., deployment of experienced staff for a TB outbreak)

Make the best use of expertise and resources
Summary

- Over 80% of TB patients in King County are born outside the US.
- We need to address those with latent TB infection to accelerate the pace of TB elimination.
- We should consider modernizing the TB control and prevention system.