Primary Care Management of Latent Tuberculosis Infection in the Foreign-Born

Local TB information and statistics for Seattle and King County (WA) from Public Health Seattle & King County.

Local TB Controller: Masa Narita, MD
TB Disease Control Officer,
Seattle–King County Public Health

Masa Narita, MD
masa.narita@metrokc.gov
(206) 744–4579
Trends in Active TB Cases in Foreign-born Persons, United States, 1986–2005*

*Updated as of October 16, 2006.

55% of cases in 2005 were foreign-born
EPIDEMIOLOGY
TB is Local:
Seattle–King County
### Characteristics of Active TB Cases 2005 (N=127) Seattle–King County

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<table>
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<tbody>
<tr>
<td>Place of Birth</td>
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<tr>
<td>Foreign-Born</td>
<td>95 (75%)</td>
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<tr>
<td>US-Born</td>
<td>32 (25%)</td>
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Foreign Born Active TB Cases by Country of Birth Seattle–King County 2005

- Phillipines: 14%
- Vietnam: 13%
- Ethiopia: 11%
- Mexico: 10%
- Indonesia: 8%
- Somalia: 8%
- China: 5%
- Korea: 4%
- Cambodia: 3%
- Other: 24%
Active TB Rates in Countries of Origin 2004

<table>
<thead>
<tr>
<th>Country of Origin</th>
<th>Rate per 100,000</th>
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<tbody>
<tr>
<td>USA</td>
<td>4.9</td>
</tr>
<tr>
<td>Vietnam</td>
<td>176</td>
</tr>
<tr>
<td>Ethiopia</td>
<td>353</td>
</tr>
<tr>
<td>Somalia</td>
<td>411</td>
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<tr>
<td>Cambodia</td>
<td>510</td>
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Source: World Health Organization
Almost 2/3 of Active TB cases have been in the US MORE than 5 Years
Active TB Disease Incidence by Age Group
King County 2005

Highest Incidence in over 65 group
Concentration of active TB cases over the West side of King County, especially in the areas of Kent and Rainier Valley.

100,000 infected with LTBI
Update on 2004 East African active TB Outbreak

• Twelve cases were linked to the outbreak.
• Disease progression was rapid.
• The group was generally involved in “hotboxing,” the practice of smoking marijuana with others in a vehicle with the windows closed.
• Intense efforts aimed at case finding, case management, and identification and treatment of latently infected close contacts appear to have been successful in halting the outbreak.
• No further cases with this strain were diagnosed in 2005.
Local Information
TB Control Program
Harborview Medical Center
325 – 9th Ave
Seattle, WA 98104

• TB Nurse Line: 744–4579
• TB Manager: 744–4578
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Investigators

- Carey Jackson MD, MPH University of Washington
- Jenny Pang MD, MPH, Seattle–King County Department of Public Health
- Nick DeLuca PhD, Centers for Disease Control and Prevention (CDC)
- Stacey Bryant RN, Research Coordinator