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

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EPIDEMIOLOGY
TB is Local:
Tarrant County,
Texas
Percent of Foreign Born TB Cases in Texas By Country Of Origin 2005

- Mexico: 58%
- Honduras: 6%
- India: 4%
- Ethiopia: 1%
- Guatemala: 2%
- El Salvador: 3%
- China: 1%
- Phillipines: 3%
- Vietnam: 9%
- Other countries: 13%

51 foreign countries represented
Mexico’s rate is more than 6 times higher than the United States’!
The Trend of Risk Factors of Tuberculosis in Tarrant County, 2000-2004

Foreign Born
TB Case Rates Texas 2005

Top 10 High Morbidity Counties

<table>
<thead>
<tr>
<th>County</th>
<th>Cases</th>
</tr>
</thead>
<tbody>
<tr>
<td>Harris</td>
<td>380</td>
</tr>
<tr>
<td>Dallas</td>
<td>224</td>
</tr>
<tr>
<td>Tarrant</td>
<td>129</td>
</tr>
<tr>
<td>Hidalgo</td>
<td>92</td>
</tr>
<tr>
<td>Bexar</td>
<td>74</td>
</tr>
<tr>
<td>Cameron</td>
<td>68</td>
</tr>
<tr>
<td>El Paso</td>
<td>49</td>
</tr>
<tr>
<td>Travis</td>
<td>48</td>
</tr>
<tr>
<td>Webb</td>
<td>42</td>
</tr>
<tr>
<td>Fort Bend</td>
<td>34</td>
</tr>
</tbody>
</table>

Source: Texas Department of State Health Services - Tuberculosis Statistics
Tarrant County 2003

Rate zipcode 76102: 94.3
Rate zipcode 76104: 55.2
Who is most affected by TB in Texas?
• Hispanic males in age groups 25–64 (working group).

Where do most TB cases in Texas reside?
• 59% of the cases reside in Harris, Dallas, Tarrant, Hidalgo and Bexar counties
Characteristics of TB in the Foreign Born in Tarrant County

- Most cases of TB among foreign born are *reactivation* cases of LTBI acquired in the country of origin.
- Cases of TB in the foreign born are less likely to be drug resistant and HIV+

Health Care Access Tarrant County

• 44% of Central County residents have no health insurance
• 53% of Tarrant County Hispanics have no health insurance
Local Information
Services for LTBI
Tarrant County

• Latent TB Infection is reportable in Tarrant County
• Public Health takes referrals for testing and treatment for Latent TB
• Although fees are based on a sliding scale to comply with regulations, no bills are sent out to patients on LTBI treatment
Public Health Sites

- **Tarrant County Public Health Main Campus**
  1101 S. Main Street Fort Worth 321-4700
- **Arlington Public Health Center**
  536 W. Randol Mill Road Arlington 548-3990
- **Bagsby-Williams Public Health Center**
  3212 Miller Avenue Fort Worth 531-6738
- **La Gran Plaza Mall Public Health Center**
  4200 S. Freeway Fort Worth 920-5752
- **Northeast Public Health Center**
  813 Brown Trail Bedford 285-4155
- **Northwest Public Health Center**
  3800 Adam Grubb Lakeworth 238-4441
- **Southwest Public Health Center**
  6551 Granbury Road Fort Worth 370-4530