Tuberculosis in the United States

National Surveillance System
Highlights from 2005

Division of Tuberculosis Elimination
Centers for Disease Control and Prevention
Reported TB Cases*
United States, 1982–2005

No. of Cases

Year


12,000 14,000 16,000 18,000 20,000

*Updated as of March 29, 2006
# TB Morbidity
## United States, 2000–2005

<table>
<thead>
<tr>
<th>Year</th>
<th>Cases</th>
<th>Rate*</th>
</tr>
</thead>
<tbody>
<tr>
<td>2000</td>
<td>16,309</td>
<td>5.8</td>
</tr>
<tr>
<td>2001</td>
<td>15,946</td>
<td>5.6</td>
</tr>
<tr>
<td>2002</td>
<td>15,056</td>
<td>5.2</td>
</tr>
<tr>
<td>2003</td>
<td>14,840</td>
<td>5.1</td>
</tr>
<tr>
<td>2004</td>
<td>14,515</td>
<td>4.9</td>
</tr>
<tr>
<td>2005</td>
<td>14,097</td>
<td>4.8</td>
</tr>
</tbody>
</table>

*Cases per 100,000, updated as of March 29, 2006.
TB Case Rates,* United States, 2005

≤ 3.5 (year 2000 target)
3.6–4.8
> 4.8 (national average)

*Cases per 100,000.
TB Case Rates* by Age Group
United States, 1993–2005

*Updated as of March 29, 2006.
Reported TB Cases by Age Group, United States, 2005

- 25–44 yrs (34%)
- <15 yrs (6%)
- 15–24 yrs (11%)
- 45–64 yrs (29%)
- ≥65 yrs (20%)
TB Case Rates by Age Group and Sex, United States, 2005

Cases per 100,000

- <15 yrs
- 15–24 yrs
- 25–44 yrs
- 45–64 yrs
- ≥65 yrs

Male
Female

CDC
Safier · Healthier · People
TB Case Rates by Race/Ethnicity*
United States, 1993–2005**

Cases per 100,000

1993 1995 1997 1999 2001 2003 2005

- Asian/Pacific Islander
- American Indian/Alaska Native
- Black or African-American
- Hispanic
- White

*All races are non-Hispanic. In 2003, Asian/Pacific Islander category includes persons who reported race as Asian only and/or Native Hawaiian or Other Pacific Islander only.

**Updated as of March 29, 2006.
Reported TB Cases by Race/Ethnicity*
United States, 2005

- Hispanic or Latino (29%)
- Black or African-American (28%)
- Asian (23%)
- White (18%)
- Native Hawaiian or Other Pacific Islander (<1%)
- American Indian or Alaska Native (1%)

*All races are non-Hispanic. Persons reporting two or more races accounted for less than 1% of all cases.
TB Case Rates by Age Group and Race/Ethnicity,* United States, 2005

*All races are non-Hispanic. Persons reporting two or more races accounted for less than 1% of all cases.
Number of TB Cases in U.S.-born vs. Foreign-born Persons
United States, 1993–2005*

*Updated as of March 29, 2006.
Trends in TB Cases in Foreign-born Persons, United States, 1986–2005*

No. of Cases

86 87 88 89 90 91 92 93 94 95 96 97 98 99 00 01 02 03 04 05

Percentage

*Updated as of March 29, 2006.
Reported TB Cases by Origin and Race/Ethnicity,* United States, 2005

**American Indian or Alaska Native and Native Hawaiian or Other Pacific Islander accounted for less than 1% of foreign-born cases and are not shown.**

*All races are non-Hispanic. Persons reporting two or more races accounted for less than 1% of all cases.*
Percentage of TB Cases Among Foreign-born Persons, United States*

*Updated as of March 29, 2006.
TB Case Rates in U.S.-born vs. Foreign-born Persons
United States, 1993–2005*

*Updated as of March 29, 2006.

*Includes the same data as slide 15, but rates presented on a logarithmic scale.

**Updated as of March 29, 2006.
Countries of Birth of Foreign-born Persons Reported with TB United States, 2005

- Mexico (25%)
- Philippines (11%)
- Viet Nam (8%)
- India (7%)
- China (5%)
- Haiti (3%)
- Guatemala (3%)
- Other Countries (38%)
Percent of Foreign-born with TB by Time of Residence in U.S. Prior to Diagnosis,* 2005

*Data exclude foreign-born TB patients for when length of residence in the U.S. prior to diagnosis was unknown.
Primary Anti-TB Drug Resistance
United States, 1993–2005*

*Updated as of March 29, 2006.

Note: Based on initial isolates from persons with no prior history of TB.
MDR TB defined as resistance to at least isoniazid and rifampin.
Primary MDR TB
United States, 1993–2005*

*Updated as of March 29, 2006.

Note: Based on initial isolates from persons with no prior history of TB.
MDR TB defined as resistance to at least isoniazid and rifampin.
Primary Isoniazid Resistance in U.S.-born vs. Foreign-born Persons
United States, 1993–2005*

*Updated as of March 29, 2006.

Note: Based on initial isolates from persons with no prior history of TB.
Primary MDR TB in U.S.-born vs. Foreign-born Persons, United States, 1993–2005*

*Updated as of March 29, 2006.

Note: Based on initial isolates from persons with no prior history of TB. MDR TB defined as resistance to at least isoniazid and rifampin.
Reporting of HIV Test Results in Persons with TB by Age Group United States, 1993–2004*

*Updated as of March 29, 2006.

Note: Includes TB patients with positive, negative, or indeterminate HIV test results and persons from California reported with AIDS. (HIV test results are not reported from California)
Estimated HIV Coinfection in Persons Reported with TB, United States, 1993–2004*

*Updated as of March 29, 2006.

Note: Minimum estimates based on reported HIV-positive status among all TB cases in the age group.
Mode of Treatment Administration in Persons Reported with TB United States, 1993–2003*

*Updated as of March 29, 2006.

Directly observed therapy (DOT); Self-administered therapy (SA)
Completion of TB Therapy
United States, 1993–2003*

*Updated as of March 29, 2006.

**Healthy People 2010 target: 90% completed in 1 yr or less.
Note: Persons with initial isolate resistant to rifampin and children under 15 years old with meningeal, bone or joint, or miliary disease excluded.