

COUNTY OF SAN DIEGO TUBERCULOSIS CONTROL PROGRAM
2013 FACT SHEET

1. **GLOBAL:** Worldwide, tuberculosis (TB) affects mostly young adults in their most productive years, and is a leading killer of people who are HIV infected. An estimated two billion persons (i.e., one third of the world's population) are infected with TB. In 2012, the World Health Organization estimates there were 8.6 million new cases of TB disease and 1.3 million died from TB.
2. **NATIONAL:** Nationally, the number of TB cases in the United States has been declining for nearly two decades. In 2012, a total of 9,945 cases were reported nationwide, representing a 5% decrease from 10,517 cases in 2011. The proportion of cases among individuals born outside the United States increased from 42% of the national total in 1998 (7,599 cases) to 63% of the national total (6,274 cases) in 2012.
3. **SAN DIEGO:** San Diego County reported 206 cases of active TB in 2013 (case rate of 6.5 per 100,000 population). This represents a 12% decrease from 2012 (234 cases in 2012), and a 22% decrease from 2011 (263 cases in 2011). The number of cases decreased from 315 in 2006 to 222 in 2010. The number of cases in 2013 was 56% lower than 1993 (469 cases), the year with the highest number of cases in decades, and 35% lower than the 5-year average from 2002-2006 (316 cases).
4. **AGE:** The median age of TB cases in San Diego County was 47, and ranged from 0 to 102 years old. This is the fourth consecutive year the number of cases in children less than 15 years old (8 cases) remained lower than the 3-year average from 2007-2009 (17 cases). Persons aged 25 to 64 made up the largest group of TB cases with 119 (58%). The remaining cases occurred in persons 65 and older (50 cases) and persons aged 15 to 24 years old (29 cases).
5. **RACE/ETHNICITY:** The racial and ethnic breakdown of San Diego County TB cases was 115 (56%) Hispanics, 64 (31%) Asian/Pacific Islanders, 16 (8%) non-Hispanic whites and 11 (5%) non-Hispanic blacks.
6. **BIRTH COUNTRY:** TB cases born outside of the United States comprised 69% of San Diego County's cases. Of the 142 cases born outside the United States, 62 (44%) were from Asia (including 26 from the Philippines, and 18 from Vietnam), 63 (44%) were from Mexico, and 5 (4%) were from Africa.
7. **CHILDREN:** There were 3 cases of TB reported among children less than five years of age in San Diego County (1% of all cases). This represents a gradual decrease in this age group since 2007 (10 cases). During 2002-2006 the annual average was 15 cases. TB in children of this age is of concern because it often represents recent transmission of infection from adults to children.
8. **DRUG RESISTANCE:** TB drug susceptibility information was obtained on 100% of the 170 culture-proven cases in San Diego. Resistance to at least one of the four major first-line drugs was found among 32 (19%) of these specimens. Multidrug-resistant (MDR TB) strains were found in 3 (1.8%) of the cases. During 1999-2013, a total of 52 MDR TB cases were reported in San Diego and none were extensively drug-resistant (XDR). Of the 52 cases, 43 (83%) were among persons born outside the US, including 21 (40%) from Mexico. Vigilance in diagnosing MDR TB and close monitoring of treatment is of extreme importance because of the difficulty in successfully treating such strains and the risk of spread within the community.
9. **BOVIS:** Among the 170 culture-proven cases in 2013, a total of 14 (8%) had disease from *M. bovis*. Only one of these cases occurred in a child less than 15 years old. This represents a decrease from the annual average, 2007-2012, of 19 cases of TB due to *M. bovis*. Of 55 culture-proven cases in 2013 among persons born in Mexico, 9 (16%) had *M. bovis*. Disease due to *M. bovis*, also known as bovine tuberculosis, is usually contracted through the consumption of unpasteurized dairy products. Person-to-person transmission is also believed to occur.
10. **RISK GROUPS:** HIV is the strongest known medical risk factor for TB disease once TB infection occurs. During 2013, a total of 15 (7%) of the 206 persons reported with TB were also co-infected with HIV. The most common medical risk factor was diabetes (17% of TB cases). Other risk groups included persons with end-stage renal disease (4%), immunosuppressive treatment or conditions (5%), and drug use history (17%).