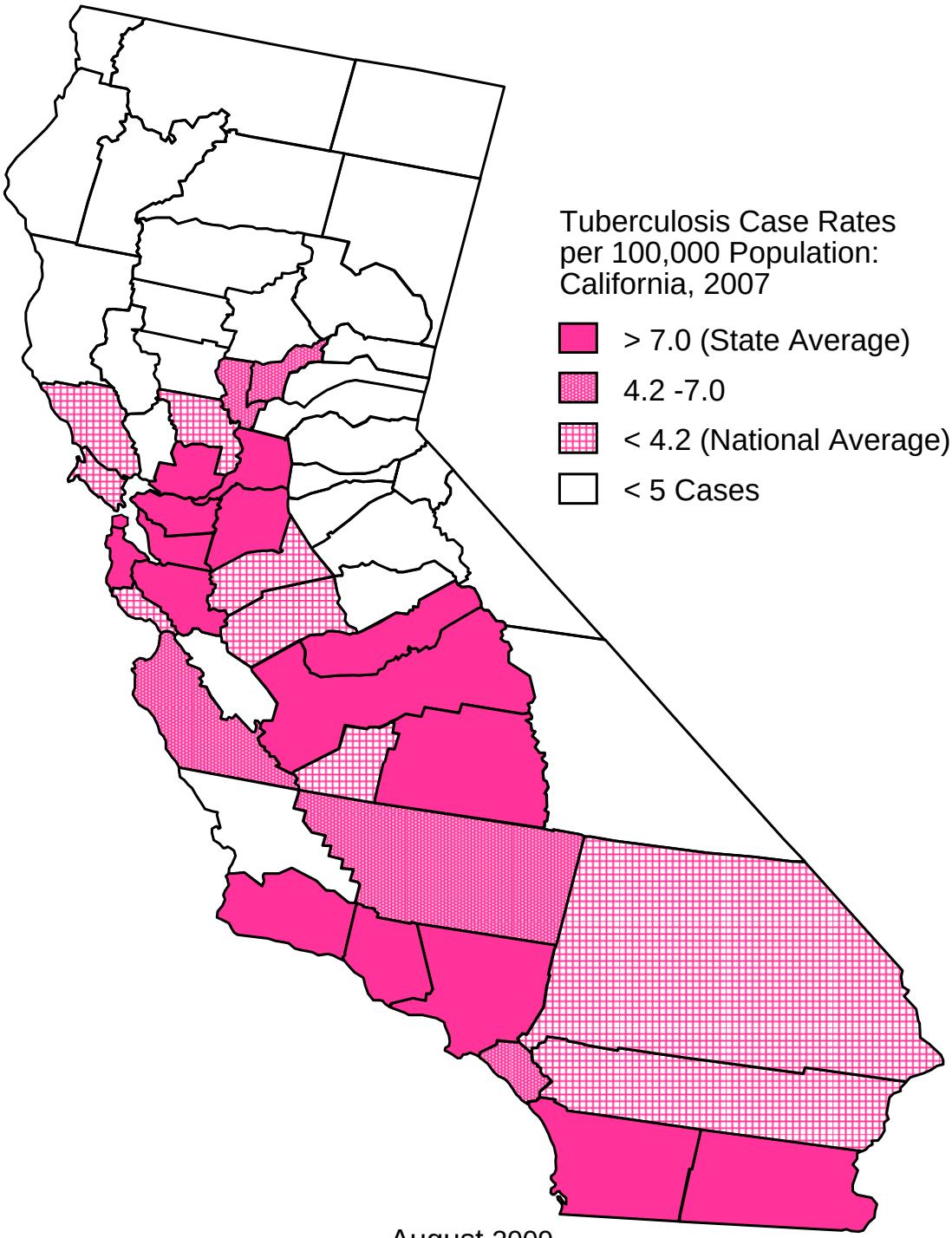
REPORT ON TUBERCULOSIS IN CALIFORNIA, 2008



August 2009

Arnold Schwarzenegger, Governor
State of California

Kimberly Belshé, Secretary
California Health and Human Services Agency

Mark B Horton, MD, MSPH, Director
California Department of Public Health

Report on Tuberculosis In California, 2008

Arnold Schwarzenegger
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California Department of Public Health
Center for Infectious Diseases
Division of Communicable Disease Control
Tuberculosis Control Branch
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Cover: The map illustrates tuberculosis case rates by reporting jurisdiction in 2008. Seventeen jurisdictions (including Long Beach, not represented) have tuberculosis case rates above the state average of 7.0 cases per 100,000 population. Ten jurisdictions (including Pasadena, not represented) have tuberculosis case rates below the 2008 national rate of 4.2 per 100,000 population. Five jurisdictions have case rates between the national and state rates (4.2 to 7.0 per 100,000 population). Case rates were not calculated for 29 jurisdictions because there were fewer than five cases in these areas.

CONTENTS

Introduction 1

Acknowledgment 1

Executive Summary 2

Tuberculosis in California: 2008 and Recent Trends

Table 1. Tuberculosis Cases and Case Rates per 100,000 Population: California, 1985-2008 6
Table 2. Tuberculosis Cases by Race/Ethnicity, Age Group, Sex, and Birthplace: California, 1999-2008 7
Table 3. Tuberculosis Case Rates per 100,000 Population by Race/Ethnicity, Age Group, Sex, and Birthplace: California, 1999-2008 8
Table 4. Tuberculosis Cases by Race/Ethnicity and Age Group: California, 1999-2008 9
Table 5. Tuberculosis Case Rates per 100,000 Population by Race/Ethnicity and Age Group: California, 1999-2008 10
Table 6. Tuberculosis Cases by Race/Ethnicity, Sex, and Age Group: California, 2008 11
Table 7. Tuberculosis Case Rates per 100,000 Population by Race/Ethnicity, Sex, and Age Group: California, 2008 12
Table 8. Tuberculosis Cases in U.S.-born Persons by Race/Ethnicity, Sex, and Age Group: California, 2008 13
Table 9. Tuberculosis Cases in Foreign-born Persons by Race/Ethnicity, Sex, and Age Group: California, 2008 14
Table 10. Tuberculosis Cases in Foreign-born Persons by Country of Origin and Time in the United States: California, 2008 15
Table 11. AIDS-associated Tuberculosis by Demographic Characteristics and Risk Factors for Tuberculosis: California 2002-2007 16

Demographics of Tuberculosis Cases: Reporting Jurisdictions in California, 2008 and Recent Trends

Table 12. Tuberculosis Cases, Rate per 100,000 Population, and Rank According to Rate: Reporting Jurisdictions in California, 2007-2008 17
Table 13. Tuberculosis Cases by Year: Reporting Jurisdictions in California, 1999-2008 18
Table 14. Tuberculosis Case Rates per 100,000 Population: Reporting Jurisdictions in California, 1999-2008 19
Table 15. Tuberculosis Cases by Age Group: Reporting Jurisdictions in California, 2008 20
Table 16. Tuberculosis Cases in Persons 0-4 Years of Age: Reporting Jurisdictions in California, 2000-2008 21
Table 17. Tuberculosis Cases by Race/Ethnicity: Reporting Jurisdictions in California, 2008 22
Table 18. Tuberculosis Cases by U.S.-born and Foreign-born Persons: Reporting Jurisdictions in California, 2008 23
Table 19. Tuberculosis Cases in Foreign-born Persons by Time in the United States: Reporting Jurisdictions in California, 2008 24

Characteristics of Tuberculosis Disease and Its Management: Reporting Jurisdictions in California, 2006 and 2008

Table 20. Tuberculosis Cases by Form of Disease: Reporting Jurisdictions in California, 2008....25
Table 21. Tuberculosis Cases by Verification Criteria: Reporting Jurisdictions in California, 2008....26
Table 22. Tuberculosis Cases by Sputum Smear Status: Reporting Jurisdictions in California, 2008....27
Table 23. Tuberculosis Cases by Chest X-ray Status: Reporting Jurisdictions in California, 2008....28
Table 24. Tuberculosis Cases by Vital Status at Diagnosis and Initiation of Treatment: Reporting Jurisdictions in California, 2008....29
Table 25. Deaths in Persons with Tuberculosis: Reporting Jurisdictions in California, 2006....30
Table 26. Tuberculosis Cases by Initial Drug Regimen: Reporting Jurisdictions in California, 2008....31
Table 27. Tuberculosis Cases by Type of Health Care Provider: Reporting Jurisdictions in California, 2006....32
Table 28. Tuberculosis Cases by Type of Therapy Administration: Reporting Jurisdictions in California, 2006....33

Risk Factors for Tuberculosis: Reporting Jurisdictions in California, 2008 and Recent Trends

Table 29. Tuberculosis Cases by AIDS Diagnosis: Reporting Jurisdictions in California, 2001-2007....34
Table 30. Tuberculosis Cases Among Residents of Correctional Facilities: Reporting Jurisdictions in California, 2008....35
Table 31. Tuberculosis Cases by Homeless Status: Reporting Jurisdictions in California, 2008....36
Table 32. Tuberculosis Cases Among Persons in Long-term Care Facilities: Reporting Jurisdictions in California, 2008....37
Table 33. Tuberculosis Cases Among Persons Using Injecting Drugs: Reporting Jurisdictions in California, 2008....38
Table 34. Tuberculosis Cases Among Persons Using Non-injecting Drugs: Reporting Jurisdictions in California, 2008....39
Table 35. Tuberculosis Cases Among Persons Using Excess Alcohol: Reporting Jurisdictions in California, 2008....40
Table 36. Tuberculosis Cases by Occupation: Reporting Jurisdictions in California, 2008....41

Drug Resistance: Reporting Jurisdictions in California, 2008 and Recent Trends

Table 37. Tuberculosis Cases by Initial Drug Susceptibility Testing: Reporting Jurisdictions in California, 2008....42
Table 38. Tuberculosis Cases by Resistance to Isoniazid and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2008....43
Table 39. Tuberculosis Cases by Resistance to Rifampin and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2008....44
Table 40. Tuberculosis Cases by Resistance to Ethambutol and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2008....45

Table 41. Tuberculosis Cases by Resistance to Pyrazinamide and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2008 46
Table 42. Tuberculosis Cases by Resistance to Streptomycin and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2008 47
Table 43. Multidrug-resistant (MDR) Tuberculosis Cases by History of Prior Tuberculosis: Reporting Jurisdictions in California, 2008 48
Table 44. Tuberculosis Cases by Resistance to at Least One First-line Drug and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2008 49
Table 45. Tuberculosis Cases by Resistance to Isoniazid: Reporting Jurisdictions in California, 2002-2008 50
Table 46. Multidrug-resistant (MDR) Tuberculosis Cases: Reporting Jurisdictions in California, 2002-2008 52

Treatment Outcomes: California and Reporting Jurisdictions, 2006

Table 47. Tuberculosis Cases by Outcome of Therapy: Reporting Jurisdictions in California, 2006 54
Table 48. Outcome in Tuberculosis Cases for Whom One Year or Less of Treatment was Indicated: Reporting Jurisdictions in California, 2006 56
Table 49. Outcome in Tuberculosis Cases for Whom Greater than One Year of Treatment was Indicated: Reporting Jurisdictions in California, 2006 58
Table 50. Tuberculosis Cases by Outcome and Risk Factor for Tuberculosis: California, 2006 60
Table 51. Outcome in Tuberculosis Cases for Whom One Year or Less of Treatment was Indicated, by Risk Factor for Tuberculosis: California, 2006 61

Figures

Figure 1. Number of Tuberculosis Cases: California, 1930-2008 62
Figure 2. Number of Tuberculosis Cases and Case Rates: California, 1999-2008 63
Figure 3. Tuberculosis Cases by Race/Ethnicity: California, 2008 64
Figure 4. Tuberculosis Case Rates by Race/Ethnicity: California, 1999-2008 65
Figure 5. Tuberculosis Cases in Foreign-born and U.S.-born Persons: California,1999-2008 66
Figure 6. Tuberculosis Cases by Country of Origin: California, 2008 67
Figure 7. Tuberculosis Cases in Persons 0-4 Years of Age: California, 1999-2008 68
Figure 8. Tuberculosis Cases by Verification Criteria: California, 2008 69
Figure 9. Deaths in Persons with Tuberculosis: California, 1997-2006 70
Figure 10. Tuberculosis Cases by AIDS Diagnosis: California, 1998-2007 71
Figure 11. AIDS-associated Tuberculosis by Race/Ethnicity: California, 1998-2007 72
Figure 12. Tuberculosis Cases with Multidrug Resistance (MDR) on Initial or Final Drug Susceptibility Testing: California, 1997-2006 73
Figure 13. Tuberculosis Cases with Initial Multidrug Resistance (MDR): California, 2004-2008 74
Figure 14. Tuberculosis Cases by Outcome of Therapy: California, 2006 75
Figure 15. Outcome in Tuberculosis Cases for Whom One Year or Less of Treatment was Indicated: California, 2006 76
Figure 16. Outcome in Tuberculosis Cases for Whom Greater than One Year of Treatment was Indicated: California, 2006 77
Figure 17. Completion of Tuberculosis Therapy: California, 1997-2006 78

Technical Notes 79

Introduction

Tuberculosis (TB) case reports are submitted to the California Department of Public Health (CDPH),TB Control Branch (TBCB), by the 61 local health jurisdictions (58 counties, and the cities of Berkeley, Long Beach, and Pasadena). In 1993, the Centers for Disease Control and Prevention (CDC), in conjunction with state and local health departments, began using the expanded Report of Verified Case of Tuberculosis (RVCT) to collect information on each case of TB. In addition to the demographic and clinical features of TB that were previously collected, the RVCT includes information on drug resistance, risk factors for TB, and treatment outcomes. In 2010, California will implement CDC's revised RVCT which will collect additional information to accommodate the changing epidemiology of TB in terms of risk factors, new drug treatments, and enhanced laboratory capacity for diagnostic tests.

In 1998, CDC implemented the Tuberculosis Information Management System (TIMS) for data entry and transmission of case reports. Today, TIMS is in use in 19 of the largest jurisdictions, allowing 93 percent of TB cases to be reported electronically to TBCB. The CDPH Division of Communicable Disease Control is currently implementing an internet-based surveillance system for reportable diseases, including TB, which will allow all jurisdictions in California to submit TB case reports and access their local data on-line.

Acknowledgment

TBCB would like to thank surveillance and reporting staff in all local reporting jurisdictions. Without their hard work we would not have data for this publication. We also acknowledge the support of our partners at CDC's Division of Tuberculosis Elimination.

Executive Summary

In 2008, 2,695 cases of tuberculosis (TB) were reported in California, the lowest case count ever recorded. However, the rate of decline in the number of cases has continued to slow compared to earlier years. The number of TB cases reported in 2008 was only one percent below the number of cases in 2007. While the global TB epidemic continues to have a major impact on California, local transmission of TB remains a challenge. In 2008, the number of TB cases in persons born in the United States increased by 12 percent and the proportion of cases in persons born in the United States increased from 22 percent to 25 percent after many years of decline. Also, the number of TB cases and incidence rate in children less than five years of age were essentially unchanged between 2005-2008. These two findings suggest that local transmission of TB in California may no longer be decreasing.

California continues to contribute the greatest number of cases to the nation's total TB morbidity. Of 12,898 cases of TB reported in the United States in 2008, California contributed 21 percent. California continues to be the state with the second highest TB rate in the nation at 7.0 cases per 100,000 population compared to a national rate of 4.2 cases per 100,000 population. The decline in TB in California represents major successes in state and local efforts to control and prevent tuberculosis throughout the state. However, the epidemiology of TB in subpopulations in California highlights areas where TB continues to pose an ongoing threat to the public's health.

Geographic Distribution

In 2008, TB was reported in 46 of 61 (75 percent) local health jurisdictions in California. Eighteen (30 percent) jurisdictions had an increase in TB cases over 2007 (Table 13). Over 14 percent of California's cases were reported in 32 rural or small health jurisdictions, representing a significant challenge to local TB programs where expertise and resources to detect and treat TB may be less available.

Demographic Characteristics of TB Cases

The majority of California's TB cases are Asian/Pacific Islander (43 percent) or Hispanic (39 percent) (Table 2, Figure 3). California experienced an increase in TB cases and TB rates among Hispanics, White non-Hispanics, and American Indian/Alaskan Natives in 2008. Large disparities in TB rates continue to exist among race/ethnic groups. The rate of TB among Asian/Pacific Islanders was 14 times greater, and the rates among Hispanics and Black non-Hispanics were five times greater, than that of White non-Hispanics (Table 3, Figure 4).

Individuals born outside the United States accounted for 75 percent of the cases of TB in California in 2008 (Table 2). The majority of cases were from Mexico (n=623), followed by the Philippines (n=404), Vietnam (n=211), China (n=132) and India (n=115) (Table 10). The rate of TB among foreign-born persons is eight times greater than the rate among persons born in the United States (Table 3). The higher rate of TB among

foreign-born persons may reflect the increased likelihood of exposure to TB in many countries

Among foreign-born persons with TB, the proportion of new-arrivers to the United States has declined in recent years. In 2008, nearly 14 percent of foreign-born cases were identified within one year of the patient's arrival in the United States (Table 10), compared to 21 percent in 2004. In 2007 the Centers for Disease Control and Prevention began implementation of new procedures for use in overseas screening of immigrants and refugees applying for permanent residency in the U.S. These new procedures have increased the number of persons identified and treated with TB prior to entry to the U.S. However, it is estimated that less than 60 percent of TB cases are screened prior to entry to this country. Thus, persons with active TB and with latent TB infection will continue to enter California, and ongoing efforts to prevent and control TB in among foreign-born persons are needed. The California Department of Public Health (CDPH) provides financial and technical support to local health jurisdictions for TB control in California. CDPH has also been involved in several strategies to improve TB control in Mexican-born persons including Cure-TB (a San Diego-based referral service to ensure continuity of care for patients who move across the U.S.-Mexico border), and the Bi-national Card (a portable medical record which includes vital clinical, laboratory, and treatment information for TB patients).

There were 87 cases of TB reported in children under five years of age in 2008 (Tables 2, 6, 15). The number and rate of TB cases in this group has not changed significantly since 2005. TB rates among children in this age group are 5-11 times greater among Asian/Pacific Islanders, Hispanics, and Black non-Hispanics compared to White non-Hispanics (Table 7). TB in a young child is a marker for ongoing TB transmission and, therefore, a missed public health opportunity for TB control. The pattern of childhood TB suggests that certain communities in California have increased risk of transmission and that additional efforts are needed to further reduce TB transmission in California. To interrupt TB transmission, CDPH offers assistance to local TB programs in outbreak response and contact investigation.

HIV/AIDS

HIV infection is a powerful risk factor for the development of TB. In 2007, the most recent year for which data are available, 125 (4.6 percent) TB cases had a co-diagnosis of AIDS (Table 11). The percentage of AIDS/TB patients who are foreign-born increased from 37 percent in 1996 to 66 percent in 2007. The percentage of AIDS/TB patients who are Hispanic has increased from 41 percent to 55 percent in the same time period. The changing profile of TB cases with AIDS underscores the need for HIV testing of all TB cases to identify and appropriately treat these patients as outlined in CDPH (www.ctca.org) and national guidelines http://www.cdc.gov/mmwr/preview/mmwrhtml/rr5804a1.htm). TB testing is also universally recommended for HIV infected persons to identify opportunities to prevent progression to active TB in this high risk population.

Drug Resistance

The frequency of resistance to isoniazid (INH), one of the primary drugs used to treat TB, has remained between 9 and 11 percent in recent years (Table 45). Among those with a prior episode of TB, the frequency of INH resistance was nearly 19 percent in 2008 (Table 38). Where INH resistance exceeds four percent, the CDC recommends starting all TB cases on an initial four drug regimen. In 2008, nearly 90 percent of cases began TB treatment with a four drug regimen (Table 26).

In 2008, the frequency of resistance to pyrazinamide (PZA), another of the most useful drugs against TB, was greater than five percent. PZA mono-resistance is a marker for infection with *Mycobacterium bovis*, and is more common among young Hispanic persons, as well as those with HIV infection. Infection with *M. bovis* may arise from ingestion of unpasteurized dairy products, and therefore has implications for control efforts.

Multidrug-resistant (MDR) TB is defined as a TB isolate resistant to at least isoniazid, and either rifampin or rifabutin, the most powerful drugs used to treat TB. Between 28 and 41 cases of MDR TB were reported per year in California between 2002 and 2008 (Table 46), reflecting little change in the proportion of TB cases that are MDR over time. Populations at an increased risk for MDR TB include those with a history of TB, and recent arrivers to the U.S., especially from former Soviet republics, and the nations of Southeast Asia. The potential consequences of these deadly strains of TB to the patient and to the public can be grave in terms of human mortality, transmission of disease, and resource requirements. Since 1993, 23 cases of the most severe form of drug resistance, termed extensively drug resistant (XDR) TB have been reported in California, including two reported to date in 2008 (data not shown). XDR TB is defined by the World Health Organization as resistance to isoniazid and rifampin, as well as at least one fluoroquinoline and any of the second-line injectable agents, amikacin, kanamycin, or capreomycin.

The CDPH MDR TB service was developed in 2002 to increase access to consultation and tools to manage MDR TB patients in California. In partnership with local TB control programs, this service works to ensure appropriate treatment and public health follow-up of all MDR TB cases. CDPH also carries out enhanced surveillance of MDR TB cases to ensure complete reporting of MDR TB cases, and to inform ongoing control efforts.

Treatment Outcomes

Because treatment of TB disease may last from 6 to 24 months, the most recent complete data on TB treatment outcomes are from 2006. Among all patients where TB was susceptible to all first-line medicines, 77 percent completed treatment within one year, and 12 percent completed in more than one year for a total of 89 percent of patients completing treatment (Figure 17). A key activity to promote timely completion of treatment is the use of directly observed therapy (DOT) for patients at high risk of

defaulting from treatment. The use of DOT has improved significantly, with 84 percent of TB cases receiving at least part of their treatment under supervision in 2006 (Table 28), compared to 55 percent in 1996 (data not shown). Of patients beginning therapy in 2006, 182 (6.8 percent) moved prior to completing treatment (Table 47). Final treatment outcomes remain unknown for 48 percent of these patients, many of whom moved out of the country.

Approximately seven percent of patients died during treatment for tuberculosis in 2006 (Table 25). In addition, nearly three percent of reported cases had TB diagnosed after death or before treatment for TB disease was initiated. The proportion of TB cases that die with TB has increased in recent years, from less than eight percent in 2003 to nearly ten percent in 2006. CDPH is participating in a national study to describe TB mortality, to determine the proportion of deaths that are TB-related and preventable, and to assess risk factors associated with TB-related deaths.

California has experienced considerable success in the prevention and control of TB. The ongoing challenges to TB control, including the impact of global migration and the global TB epidemic, ongoing TB transmission in California, TB disparities among race/ethnic groups, the intersection of TB and HIV disease, and drug resistant TB, underscore the importance of maintaining strong local and state TB programs. These programs work to protect the health of all Californians by breaking the cycle of TB transmission.

Table 1. Tuberculosis Cases and Case Rates per 100,000 Population: California, 1985-2008

Year	Cases	Rate	Percent Change From Previous Year	
			Cases	Rate
1985	3,492	13.2		
1986	3,442	12.7	-1.4	-3.8
1987	3,719	13.4	8.0	5.5
1988	3,468	12.2	-6.7	-9.0
1989	4,212	14.5	21.5	18.9
1990	4,889	16.4	16.1	13.1
1991	5,273	17.4	7.9	6.1
1992	5,382	17.4	2.1	0.0
1993	5,173	16.5	-3.9	-5.2
1994	4,860	15.4	-6.1	-6.7
1995	4,675	14.7	-3.8	-4.5
1996	4,313	13.5	-7.7	-8.2
1997	4,059	12.5	-5.9	-7.4
1998	3,855	11.7	-5.0	-6.4
1999	3,608	10.8	-6.4	-7.7
2000	3,297	9.7	-8.6	-10.2
2001	3,332	9.6	1.1	-1.0
2002	3,169	9.0	-4.9	-6.3
2003	3,227	9.0	1.8	0.0
2004	2,989	8.2	-7.4	-8.9
2005	2,903	7.9	-2.9	-3.7
2006	2,779	7.4	-4.3	-6.3
2007	2,725	7.2	-1.9	-2.7
2008	2,695	7.0	-1.1	-2.8

California Department of Public Health, Tuberculosis Control Branch

Table 2. Tuberculosis Cases by Race/Ethnicity, Age Group, Sex, and Birthplace: California, 1999-2008

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Percent Change 1999-2008	Percent Change 2007-2008
Total Cases	**3,608**	**3,297**	**3,332**	**3,169**	**3,227**	**2,989**	**2,903**	**2,779**	**2,725**	**2,695**	**-25.3**	**-1.1**
Race/Ethnicity												
White, Not Hispanic	448	391	365	323	332	293	267	267	237	261	-41.7	10.1
Black, Not Hispanic	376	322	292	277	249	225	225	208	217	210	-44.1	-3.2
Hispanic	1,340	1,198	1,252	1,273	1,281	1,173	1,126	1,068	993	1,058	-21.0	6.5
Asian/Pacific Islander	1,415	1,367	1,399	1,285	1,351	1,287	1,274	1,223	1,262	1,156	-18.3	-8.4
American Indian/Alaskan Native	18	16	16	7	7	6	5	9	6	9	-50.0	50.0
Unknown	11	3	8	4	7	5	6	4	10	1	.	0.0
Age Group												
0-4	153	116	133	127	132	117	86	91	87	87	-43.1	0.0
5-14	116	89	92	96	99	106	64	42	46	68	-41.4	47.8
15-24	334	328	318	311	349	302	277	319	291	280	-16.2	-3.8
25-44	1,161	1,058	1,109	1,056	991	923	917	859	787	812	-30.1	3.2
45-64	976	944	953	870	930	869	846	792	861	825	-15.5	-4.2
65+	868	762	727	709	726	672	713	676	653	623	-28.2	-4.6
Sex												
Male	2,166	1,974	2,029	1,883	1,878	1,787	1,752	1,668	1,649	1,657	-23.5	0.5
Female	1,442	1,323	1,300	1,285	1,349	1,202	1,151	1,110	1,074	1,038	-28.0	-3.4
Unknown	-	-	3	1	-	-	-	1	2	-	.	0.0
Birthplace												
U.S.-born	1,061	904	824	758	771	710	653	630	590	661	-37.7	12.0
Foreign-born	2,519	2,377	2,482	2,390	2,431	2,266	2,232	2,136	2,113	2,023	-19.7	-4.3
Unknown	28	16	26	21	25	13	18	13	22	11	-60.7	-50.0

- Indicates zero cases.

. Percent change not calculated where number of cases is less than 5.

California Department of Public Health, Tuberculosis Control Branch

Table 3. Tuberculosis Case Rates per 100,000 Population by Race/Ethnicity, Age Group, Sex, and Birthplace: California, 1999 - 2008

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Percent Change 1999-2008	Percent Change 2007-2008
Total Cases	**10.8**	**9.7**	**9.6**	**9.0**	**9.0**	**8.2**	**7.9**	**7.4**	**7.2**	**7.0**	**-35.2**	**-2.8**
Race/Ethnicity												
White, Not Hispanic	2.8	2.4	2.3	2.0	2.0	1.8	1.6	1.6	1.4	1.6	-42.9	14.3
Black, Not Hispanic	16.3	13.8	12.3	11.6	10.4	9.4	9.4	8.6	9.0	8.7	-46.6	-3.3
Hispanic	12.6	10.8	10.9	10.8	10.5	9.3	8.7	8.1	7.3	7.6	-39.7	4.1
Asian/Pacific Islander	35.4	32.7	32.2	28.7	29.4	27.4	26.7	25.2	25.5	22.9	-35.3	-10.2
American Indian/Alaskan Native	4.9	4.1	3.9	1.6	1.6	1.3	1.1	1.9	1.2	1.8	-63.3	50.0
Age Group												
0-4	6.0	4.6	5.3	4.9	5.0	4.4	3.2	3.4	3.2	3.2	-46.7	0.0
5-14	2.2	1.7	1.7	1.7	1.8	1.9	1.2	0.8	0.8	1.2	-45.5	50.0
15-24	6.9	6.8	6.5	6.2	6.9	5.8	5.2	5.8	5.2	4.9	-29.0	-5.8
25-44	10.8	9.8	10.2	9.7	9.1	8.5	8.5	8.0	7.4	7.6	-29.6	2.7
45-64	14.7	13.4	12.9	11.3	11.6	10.4	9.8	8.9	9.4	8.8	-40.1	-6.4
65+	25.1	21.0	19.7	18.9	19.0	17.2	18.0	16.8	15.9	14.8	-41.0	-6.9
Sex												
Male	13.0	11.6	11.7	10.7	10.5	9.8	9.5	8.9	8.7	8.7	-33.1	0.0
Female	8.6	7.7	7.5	7.2	7.5	6.6	6.2	5.9	5.7	5.4	-37.2	-5.3
Birthplace												
Foreign-born	31.5	27.8	28.1	26.2	26.0	23.7	22.4	22.1	21.2	20.1	-36.2	-5.2
U.S.-born	4.2	3.6	3.2	2.9	2.9	2.7	2.4	2.4	2.2	2.5	-40.5	13.6

Note: Denominators for computing the overall rate of tuberculosis in California, and rates by race/ethnicity, age group, and sex are from the California Department of Finance, *Population Projections by Race/Ethnicity.* Denominators for computing rates for foreign-born and U.S.-born persons are from the California Department of Finance, *Current Population Survey* annual reports.

California Department of Public Health, Tuberculosis Control Branch

Table 4. Tuberculosis Cases by Race/Ethnicity and Age Group: California, 1999-2008

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Percent Change 1999-2008	Percent Change 2007-2008
Total Cases	**3,608**	**3,297**	**3,332**	**3,169**	**3,227**	**2,989**	**2,903**	**2,779**	**2,725**	**2,695**	**-25.3**	**-1.1**
White, Not Hispanic	448	391	365	323	332	293	267	267	237	261	-41.7	10.1
0-4	4	6	7	8	3	6	6	1	5	5	.	0.0
5-14	9	6	2	7	5	6	2	1	4	2	.	.
15-24	10	14	15	16	23	17	10	20	4	16	60.0	.
25-44	99	90	105	82	72	60	64	53	46	48	-51.5	4.3
45-64	146	133	120	100	120	92	99	86	86	115	-21.2	33.7
65+	180	142	116	110	109	112	86	106	92	75	-58.3	-18.5
Black, Not Hispanic	376	322	292	277	249	225	225	208	217	210	-44.1	-3.2
0-4	15	9	12	13	7	6	4	5	6	5	-66.7	-16.7
5-14	12	7	10	4	7	9	5	-	2	7	-41.7	.
15-24	39	28	18	28	23	19	19	22	27	17	-56.4	-37.0
25-44	146	122	111	100	77	75	77	75	68	82	-43.8	20.6
45-64	117	117	101	94	96	86	85	72	82	76	-35.0	-7.3
65+	47	39	40	38	39	30	35	34	32	23	-51.1	-28.1
Hispanic	1,340	1,198	1,252	1,273	1,281	1,173	1,126	1,068	993	1,058	-21.0	6.5
0-4	114	77	96	88	99	85	62	66	61	54	-52.6	-11.5
5-14	82	56	65	66	67	66	41	32	26	46	-43.9	76.9
15-24	161	183	180	166	183	165	165	168	157	162	0.6	3.2
25-44	469	418	443	460	459	401	408	378	339	369	-21.3	8.8
45-64	306	288	286	297	288	275	267	259	252	270	-11.8	7.1
65+	208	176	182	196	185	181	183	165	158	157	-24.5	-0.6
Asian/Pacific Islander	1,415	1,367	1,399	1,285	1,351	1,287	1,274	1,223	1,262	1,156	-18.3	-8.4
0-4	19	23	18	18	23	19	14	19	15	23	21.1	53.3
5-14	13	19	15	19	20	25	16	9	13	13	0.0	0.0
15-24	122	103	105	100	119	100	83	108	102	85	-30.3	-16.7
25-44	438	422	442	409	378	384	365	346	327	309	-29.5	-5.5
45-64	396	399	438	378	421	413	389	373	437	359	-9.3	-17.8
65+	427	401	381	361	390	346	407	368	368	367	-14.1	-0.3
American Indian/Alaska Native	18	16	16	7	7	6	5	9	6	9	-50.0	50.0
0-4	1	1	-	-	-	1	-	-	-	-	.	.
5-14	-	1	-	-	-	-	-	-	-	-	.	.
15-24	-	-	-	1	-	1	-	1	1	-	.	.
25-44	6	5	5	2	3	2	2	5	2	4	.	.
45-64	9	6	8	1	2	1	2	1	1	4	.	.
65+	2	3	3	3	2	1	1	2	2	1	.	.
Race Unknown	11	3	8	4	7	5	6	4	10	1	.	.
5-14	-	-	-	-	-	-	-	-	1	-	.	.
15-24	2	-	-	-	1	-	-	-	-	-	.	.
25-44	3	1	3	3	2	1	1	2	5	-	.	.
45-64	2	1	-	-	3	2	4	1	3	1	.	.
65+	4	1	5	1	1	2	1	1	1	-	.	.

- Indicates zero cases.
. Percent change not calculated where number of cases is less than 5.

California Department of Public Health, Tuberculosis Control Branch

Table 5. Tuberculosis Case Rates per 100,000 Population by Race/Ethnicity and Age Group: California, 1999-2008

	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Percent Change 1999-2008	Percent Change 2007-2008
Total Cases	**10.8**	**9.7**	**9.6**	**9.0**	**9.0**	**8.2**	**7.9**	**7.4**	**7.2**	**7.0**	**-35.2**	**-2.8**
White, Not Hispanic	2.8	2.4	2.3	2.0	2.0	1.8	1.6	1.6	1.4	1.6	-42.9	14.3
0-4	.	0.7	0.9	1.0	.	0.8	0.8	.	0.6	0.6	.	0.0
5-14	0.5	0.3	.	0.4	0.3	0.3	.	.	.	.	.	.
15-24	0.6	0.8	0.8	0.9	1.2	0.9	0.5	1.0	.	0.8	33.3	.
25-44	2.0	1.9	2.2	1.8	1.6	1.3	1.5	1.2	1.1	1.2	-40.0	9.1
45-64	3.6	3.2	2.8	2.2	2.6	1.9	2.0	1.7	1.7	2.3	-36.1	35.3
65+	7.3	5.6	4.6	4.3	4.3	4.4	3.3	4.1	3.5	2.8	-61.6	-20.0
Black, Not Hispanic	16.3	13.8	12.3	11.6	10.4	9.4	9.4	8.6	9.0	8.7	-46.6	-3.3
0-4	7.6	5.0	6.8	7.5	4.1	3.6	.	3.1	3.7	3.0	-60.5	-18.9
5-14	2.8	1.6	2.3	.	1.7	2.2	1.3	.	.	1.9	-32.1	.
15-24	11.5	8.1	5.0	7.6	6.0	4.8	4.7	5.3	6.4	4.0	-65.2	-37.5
25-44	19.7	16.4	15.0	13.7	10.7	10.5	11.0	10.9	10.0	12.2	-38.1	22.0
45-64	27.8	25.7	21.4	19.2	19.0	16.5	15.9	13.1	14.6	13.2	-52.5	-9.6
65+	27.2	20.7	20.7	19.3	19.4	14.6	16.7	16.0	14.8	10.4	-61.8	-29.7
Hispanic	12.6	10.8	10.9	10.8	10.5	9.3	8.7	8.1	7.3	7.6	-39.7	4.1
0-4	9.5	6.5	7.8	7.0	7.6	6.4	4.5	4.8	4.5	3.9	-58.9	-13.3
5-14	3.7	2.4	2.7	2.6	2.6	2.5	1.5	1.2	1.0	1.7	-54.1	70.0
15-24	8.0	9.1	9.0	8.3	9.0	8.0	7.7	7.5	6.7	6.6	-17.5	-1.5
25-44	13.4	11.5	11.8	11.9	11.6	10.0	10.0	9.1	8.1	8.7	-35.1	7.4
45-64	23.5	20.2	18.6	18.0	16.2	14.5	13.3	12.2	11.2	11.4	-51.5	1.8
65+	47.4	36.5	35.3	35.7	31.8	29.5	28.5	24.7	22.7	21.6	-54.4	-4.8
Asian/Pacific Islander	35.4	32.7	32.2	28.7	29.4	27.4	26.7	25.2	25.5	22.9	-35.3	-10.2
0-4	6.8	8.4	6.3	6.1	7.4	5.9	4.2	5.6	4.4	6.7	-1.5	52.3
5-14	2.2	3.2	2.5	3.1	3.2	4.0	2.6	1.4	2.1	2.0	-9.1	-4.8
15-24	19.7	16.4	16.2	15.1	17.6	14.6	12.1	15.7	14.7	12.2	-38.1	-17.0
25-44	32.2	30.1	30.7	27.9	25.5	25.7	24.4	23.0	21.5	20.2	-37.3	-6.0
45-64	48.8	44.7	46.3	37.9	40.2	37.8	34.3	31.7	35.8	28.3	-42.0	-20.9
65+	124.5	104.2	92.9	83.0	84.9	71.8	81.1	70.4	67.6	64.7	-48.0	-4.3
American Indian/Alaska Native	4.9	4.1	3.9	1.6	1.6	1.3	1.1	1.9	1.2	1.8	-63.3	50.0
0-4	.	.	.	.	.	.	.	.	.	.	.	.
5-14	.	.	.	.	.	.	.	.	.	.	.	.
15-24	.	.	.	.	.	.	.	.	.	.	.	.
25-44	5.2	4.5	4.5	.	.	.	.	4.4	.	.	.	.
45-64	10.9	8.5	10.5	.	.	.	.	.	.	.	.	.
65+	.	.	.	.	.	.	.	.	.	.	.	.

. Case rate and percent change not calculated where number of cases is less than 5.

California Department of Public Health, Tuberculosis Control Branch

Table 6. Tuberculosis Cases by Race/Ethnicity, Sex, and Age Group: California, 2008

		Age Group					
	All Ages	0-4	5-14	15-24	25-44	45-64	65+
Total Cases	**2,695**	**87**	**68**	**280**	**812**	**825**	**623**
White, Not Hispanic	261	5	2	16	48	115	75
Male	179	3	1	8	28	89	50
Female	82	2	1	8	20	26	25
Black, Not Hispanic	210	5	7	17	82	76	23
Male	129	2	1	9	43	59	15
Female	81	3	6	8	39	17	8
Hispanic	1,058	54	46	162	369	270	157
Male	681	28	24	102	243	185	99
Female	377	26	22	60	126	85	58
Asian/Pacific Islander	1,156	23	13	85	309	359	367
Male	660	16	6	45	137	213	243
Female	496	7	7	40	172	146	124
American Indian/Alaska Native	9	-	-	-	4	4	1
Male	7	-	-	-	4	3	-
Female	2	-	-	-	-	1	1
Race/Ethnicity Not Stated	1	-	-	-	-	1	-
Male	1	-	-	-	-	1	-
Female	-	-	-	-	-	-	-

- Indicates zero cases.

California Department of Public Health, Tuberculosis Control Branch

Table 7. Tuberculosis Case Rates per 100,000 Population by Race/Ethnicity, Sex, and Age Group: California, 2008

		Age Group					
	All Ages	0-4	5-14	15-24	25-44	45-64	65+
Total Cases	**7.0**	**3.2**	**1.2**	**4.9**	**7.6**	**8.8**	**14.8**
White, Not Hispanic	1.6	0.6	.	0.8	1.2	2.3	2.8
Male	2.2	.	.	0.7	1.3	3.5	4.3
Female	1.0	.	.	0.8	1.0	1.0	1.7
Black, Not Hispanic	8.7	3.0	1.9	4.0	12.2	13.2	10.4
Male	10.9	.	.	4.1	13.0	21.5	16.1
Female	6.5	.	3.4	3.8	11.4	5.6	6.2
Hispanic	7.6	3.9	1.7	6.6	8.7	11.4	21.6
Male	9.6	4.0	1.8	8.0	10.8	15.6	31.8
Female	5.6	3.9	1.7	5.0	6.3	7.1	14.0
Asian/Pacific Islander	22.9	6.7	2.0	12.2	20.2	28.3	64.7
Male	27.2	9.1	1.8	12.6	18.5	36.3	100.4
Female	19.0	4.2	2.3	11.8	21.7	21.5	38.1
American Indian/Alaska Native	1.8	.	.	.	.	.	.
Male	2.9	.	.	.	.	.	.
Female	.	.	.	.	.	.	.

. Case rates not calculated where number of cases is less than 5.

California Department of Health Services, Tuberculosis Control Branch

Table 8. Tuberculosis Cases in U.S.-born Persons by Race/Ethnicity, Sex, and Age Group: California, 2008

		Age Group					
	All Ages	0-4	5-14	15-24	25-44	45-64	65+
Total Cases	**661**	**80**	**43**	**90**	**156**	**192**	**100**
White, Not Hispanic	197	5	2	11	36	96	47
Male	141	3	1	7	20	80	30
Female	56	2	1	4	16	16	17
Black, Not Hispanic	156	4	4	10	54	64	20
Male	102	2	-	6	28	53	13
Female	54	2	4	4	26	11	7
Hispanic	246	53	32	54	52	27	28
Male	143	28	16	29	31	22	17
Female	103	25	16	25	21	5	11
Asian/Pacific Islander	54	18	5	15	10	2	4
Male	31	11	2	7	6	2	3
Female	23	7	3	8	4	-	1
American Indian/Alaska Native	8	-	-	-	4	3	1
Male	6	-	-	-	4	2	-
Female	2	-	-	-	-	1	1

- Indicates zero cases.

California Department of Public Health, Tuberculosis Control Branch

Table 9. Tuberculosis Cases in Foreign-born Persons by Race/Ethnicity, Sex, and Age Group: California, 2008

		Age Group					
	All Ages	0-4	5-14	15-24	25-44	45-64	65+
Total Cases	**2,023**	**7**	**25**	**190**	**652**	**628**	**521**
White, Not Hispanic	64	-	-	5	12	19	28
Male	38	-	-	1	8	9	20
Female	26	-	-	4	4	10	8
Black, Not Hispanic	54	1	3	7	28	12	3
Male	27	-	1	3	15	6	2
Female	27	1	2	4	13	6	1
Hispanic	806	1	14	108	314	241	128
Male	533	-	8	73	209	161	82
Female	273	1	6	35	105	80	46
Asian/Pacific Islander	1,098	5	8	70	298	355	362
Male	626	5	4	38	131	209	239
Female	472	-	4	32	167	146	123
American Indian/Alaska Native	1	-	-	-	-	1	-
Male	1	-	-	-	-	1	-
Female	-	-	-	-	-	-	-

- Indicates zero cases.

California Department of Public Health, Tuberculosis Control Branch

Table 10. Tuberculosis Cases in Foreign-born Persons by Country of Origin and Time in the United States: California, 2008

Country of Origin *	Total Foreign-born Cases	Time in United States: ≤ 1 year		1-2 years		3-5 years		6-10 years		11-20 years		>20 years		Unknown Time in U.S.	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Total	**2,023**	**278**	**13.7**	**88**	**4.3**	**213**	**10.5**	**274**	**13.5**	**431**	**21.3**	**658**	**32.5**	**81**	**4.0**
Mexico	623	69	11.1	23	3.7	67	10.8	80	12.8	117	18.8	239	38.4	28	4.5
Philippines	404	52	12.9	19	4.7	34	8.4	65	16.1	100	24.8	120	29.7	14	3.5
Vietnam	211	37	17.5	4	1.9	21	10.0	22	10.4	60	28.4	59	28.0	8	3.8
China**	132	19	14.4	6	4.5	5	3.8	12	9.1	35	26.5	48	36.4	7	5.3
India	115	25	21.7	4	3.5	19	16.5	21	18.3	24	20.9	18	15.7	4	3.5
Korea, South	65	6	9.2	2	3.1	2	3.1	6	9.2	16	24.6	30	46.2	3	4.6
Guatemala	52	10	19.2	5	9.6	13	25.0	10	19.2	7	13.5	5	9.6	2	3.8
El Salvador	49	4	8.2	1	2.0	5	10.2	8	16.3	11	22.4	19	38.8	1	2.0
Peru	34	8	23.5	3	8.8	3	8.8	4	11.8	9	26.5	6	17.6	1	2.9
Laos	30	-	-	-	-	3	10.0	1	3.3	7	23.3	19	63.3	-	-
Kampuchea (Cambodia)	25	3	12.0	1	4.0	3	12.0	1	4.0	1	4.0	14	56.0	2	8.0
Burma	19	5	26.3	-	-	3	15.8	5	26.3	3	15.8	3	15.8	-	-
Honduras	19	1	5.3	1	5.3	3	15.8	10	52.6	1	5.3	1	5.3	2	10.5
Thailand	17	2	11.8	3	17.6	5	29.4	-	-	2	11.8	5	29.4	-	-
Pakistan	16	3	18.8	-	-	1	6.3	1	6.3	4	25.0	6	37.5	1	6.3
Taiwan	16	1	6.3	1	6.3	2	12.5	1	6.3	2	12.5	8	50.0	1	6.3
Ethiopia	14	6	42.9	2	14.3	3	21.4	1	7.1	2	14.3	-	-	-	-
Iran	13	2	15.4	2	15.4	-	-	2	15.4	2	15.4	4	30.8	1	7.7
Nicaragua	10	2	20.0	-	-	1	10.0	1	10.0	2	20.0	4	40.0	-	-
Indonesia	9	1	11.1	3	33.3	1	11.1	2	22.2	1	11.1	1	11.1	-	-
Nigeria	9	2	22.2	-	-	-	-	4	44.4	1	11.1	2	22.2	-	-
Armenia	8	3	37.5	1	12.5	1	12.5	-	-	2	25.0	1	12.5	-	-
Somalia	8	-	-	2	25.0	2	25.0	3	37.5	1	12.5	-	-	-	-
Mongolia	7	-	-	-	-	3	42.9	2	28.6	1	14.3	-	-	1	14.3
Korea, North	6	-	-	-	-	1	16.7	-	-	1	16.7	4	66.7	-	-
Nepal	6	4	66.7	-	-	2	33.3	-	-	-	-	-	-	-	-
Fiji	5	-	-	-	-	-	-	2	40.0	3	60.0	-	-	-	-
Japan	5	-	-	1	20.0	-	-	-	-	-	-	4	80.0	-	-
Puerto Rico	5	-	-	-	-	-	-	-	-	-	-	4	80.0	1	20.0
Other Countries	91	13	14.3	4	4.4	10	11.0	10	11.0	16	17.6	34	37.4	4	4.4

* Countries listed in order of number of cases.

** People's Republic of China including Hong Kong.

- Indicates zero cases or zero percent.

Table 11. AIDS-associated Tuberculosis* by Demographic Characteristics and Risk Factors for Tuberculosis: California, 2002-2007

	2002			2003			2004			2005			2006			2007		
	Total Cases	AIDS Diagnosis		Total Cases	AIDS Diagnosis		Total Cases	AIDS Diagnosis		Total Cases	AIDS Diagnosis		Total Cases	AIDS Diagnosis		Total Cases	AIDS Diagnosis	
		No.	%		No.	%		No.	%		No.	%		No.	%		No.	%
Total	**3,172**	**182**	**5.7**	**3,218**	**197**	**6.1**	**2,991**	**134**	**4.5**	**2,900**	**147**	**5.1**	**2,778**	**128**	**4.6**	**2,724**	**125**	**4.6**
Race/Ethnicity																		
White, Not Hispanic	312	20	6.4	329	33	10.0	293	15	5.1	268	17	6.3	268	11	4.1	237	18	7.6
Black, Not Hispanic	276	49	17.8	249	29	11.6	226	25	11.1	225	36	16.0	207	23	11.1	217	25	11.5
Hispanic	1,276	97	7.6	1,280	116	9.1	1,176	78	6.6	1,127	85	7.5	1,067	81	7.6	994	69	6.9
Asian/Pacific Islander	1,284	15	1.2	1,346	18	1.3	1,288	16	1.2	1,271	7	0.6	1,223	12	1.0	1,261	11	0.9
American Indian/Alaska Native	6	1	16.7	7	-	-	5	-	-	5	1	20.0	9	1	11.1	6	-	-
Unknown	18	-	-	7	1	14.3	3	-	-	4	1	25.0	4	-	-	9	2	22.2
Age Group																		
0-4	127	-	-	131	-	-	117	-	-	85	-	-	91	-	-	89	-	-
5-14	97	-	-	99	-	-	104	1	1.0	64	2	3.1	42	-	-	45	-	-
15-24	311	6	1.9	350	6	1.7	305	9	3.0	280	4	1.4	321	7	2.2	291	6	2.1
25-44	1,056	119	11.3	990	126	12.7	922	76	8.2	913	90	9.9	858	80	9.3	787	70	8.9
45-64	872	51	5.8	926	57	6.2	868	46	5.3	848	48	5.7	791	35	4.4	860	43	5.0
65+	709	6	0.8	722	8	1.1	675	2	0.3	710	3	0.4	675	6	0.9	652	6	0.9
Sex																		
Male	1,889	144	7.6	1,873	164	8.8	1,785	111	6.2	1,750	127	7.3	1,667	103	6.2	1,649	105	6.4
Female	1,283	38	3.0	1,345	33	2.5	1,206	23	1.9	1,150	20	1.7	1,111	25	2.3	1,074	20	1.9
Unknown																1	-	-
Place of Birth																		
Foreign-born	2,395	110	4.6	2,426	131	5.4	2,267	89	3.9	2,232	89	4.0	2,132	88	4.1	2,112	83	3.9
U.S.-born	758	71	9.4	771	64	8.3	712	45	6.3	652	58	8.9	632	39	6.2	592	41	6.9
Unknown	19	1	5.3	21	2	9.5	12	-	-	16	-	-	14	1	7.1	20	1	5.0
Homeless																		
No	2,931	138	4.7	2,965	152	5.1	2,771	108	3.9	2,691	121	4.5	2,580	101	3.9	2,548	99	3.9
Yes	205	44	21.5	225	40	17.8	184	23	12.5	181	25	13.8	169	23	13.6	155	25	16.1
Unknown	36	-	-	28	5	17.9	36	3	8.3	28	1	3.6	29	4	13.8	21	1	4.8
Alcohol Use																		
No	2,737	136	5.0	2,771	135	4.9	2,617	100	3.8	2,560	115	4.5	2,485	99	4.0	2,400	96	4.0
Yes	324	41	12.7	346	49	14.2	301	28	9.3	259	27	10.4	224	21	9.4	244	24	9.8
Unknown	111	5	4.5	101	13	12.9	73	6	8.2	81	5	6.2	69	8	11.6	80	5	6.3
Injecting Drug Use																		
No	2,995	155	5.2	3,034	160	5.3	2,843	111	3.9	2,767	128	4.6	2,669	107	4.0	2,604	106	4.1
Yes	72	24	33.3	73	23	31.5	71	15	21.1	61	11	18.0	42	13	31.0	45	11	24.4
Unknown	105	3	2.9	111	14	12.6	77	8	10.4	72	8	11.1	67	8	11.9	75	8	10.7
Non-injecting Drug Use																		
No	2,893	142	4.9	2,901	136	4.7	2,731	98	3.6	2,669	112	4.2	2,542	92	3.6	2,491	91	3.7
Yes	169	36	21.3	196	45	23.0	171	27	15.8	164	29	17.7	161	27	16.8	159	28	17.6
Unknown	110	4	3.6	121	16	13.2	89	9	10.1	67	6	9.0	75	9	12.0	74	6	8.1
Diagnosed in Correctional Facility																		
No	3,085	181	5.9	3,119	188	6.0	2,884	128	4.4	2,831	142	5.0	2,713	122	4.5	2,648	119	4.5
Yes	71	1	1.4	92	9	9.8	102	6	5.9	66	5	7.6	60	5	8.3	75	6	8.0
Unknown	16	-	-	7	-	-	5	-	-	3	-	-	5	1	20.0	1	-	-

* Match found in AIDS Case Registry, California Office of AIDS.
- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 12. Tuberculosis Cases, Rate per 100,000 Population, and Rank* According to Rate: Reporting Jurisdictions in California, 2007-2008

Reporting Jurisdiction	2007			2008		
	Rank	Cases	Rate	Rank	Cases	Rate
San Francisco	1	143	17.7	1	118	14.6
Madera	34	1	.	2	20	13.0
Santa Clara	3	241	13.4	3	197	10.9
Imperial	2	29	16.6	4	19	10.6
Long Beach	10	39	7.9	5	47	9.5
Alameda	5	149	10.5	6	134	9.4
San Joaquin	12	51	7.4	7	66	9.3
San Mateo	4	87	11.9	8	63	8.6
San Diego	6	280	9.0	9	264	8.4
Los Angeles	8	815	8.4	10	792	8.1
Santa Barbara	29	14	3.3	11	34	8.0
Ventura	14	57	6.9	12	65	7.8
Sacramento	11	110	7.8	13	110	7.7
Fresno	23	42	4.5	13	73	7.7
Solano	7	37	8.7	15	33	7.6
Contra Costa	20	51	4.9	16	79	7.5
Tulare	16	25	5.7	17	33	7.4
California						**7.0**
Orange	13	217	7.0	18	209	6.6
Yuba	9	6	8.0	19	5	6.5
Sutter	34	1	.	20	6	6.1
Kern	20	40	4.9	21	50	6.0
Monterey	18	22	5.2	22	24	5.6
United States						**4.2**
Pasadena	28	5	3.4	23	6	4.1
Yolo	22	9	4.6	24	8	4.0
Stanislaus	31	15	2.8	25	21	3.9
Riverside	25	80	3.9	26	79	3.7
San Bernardino	30	59	2.9	27	74	3.5
Santa Cruz	27	10	3.8	28	9	3.4
Kings	25	6	3.9	29	5	3.2
Marin	15	16	6.3	30	6	2.4
Merced	33	5	2.0	31	5	1.9
Sonoma	32	13	2.7	32	9	1.8
Year 2010 National Objective						**1.0**
Berkeley	17	6	5.6	33	4	.
El Dorado	34	3	.	33	4	.
Mendocino	34	3	.	33	4	.
Butte	34	3	.	33	3	.
Napa	19	7	5.1	33	3	.
Nevada	45	-	.	33	3	.
Lake	34	1	.	33	2	.
Placer	24	13	4.0	33	2	.
Shasta	34	4	.	33	2	.
Colusa	45	-	.	33	1	.
Glenn	34	2	.	33	1	.
San Benito	45	-	.	33	1	.
San Luis Obispo	34	3	.	33	1	.
Tehama	34	4	.	33	1	.
Alpine	45	-	.	47	-	.
Amador	45	-	.	47	-	.
Calaveras	34	1	.	47	-	.
Del Norte	45	-	.	47	-	.
Humboldt	45	-	.	47	-	.
Inyo	45	-	.	47	-	.
Lassen	45	-	.	47	-	.
Mariposa	45	-	.	47	-	.
Modoc	45	-	.	47	-	.
Mono	45	-	.	47	-	.
Plumas	45	-	.	47	-	.
Sierra	45	-	.	47	-	.
Siskiyou	45	-	.	47	-	.
Trinity	45	-	.	47	-	.
Tuolumne	45	-	.	47	-	.

* All jurisdictions with one to four cases are given the same rank, and all jurisdictions with zero cases are given the same rank.
- Indicates zero cases.
. Rates not calculated where number of cases is less than 5.

California Department of Public Health, Tuberculosis Control Branch

Table 13. Tuberculosis Cases by Year: Reporting Jurisdictions in California, 1999-2008

Reporting Jurisdiction	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Percent Change 1999-2008	Percent Change 2007-2008
California	**3,608**	**3,297**	**3,332**	**3,169**	**3,227**	**2,989**	**2,903**	**2,779**	**2,725**	**2,695**	**-25.3**	**-1.1**
Alameda	224	242	196	199	175	144	152	141	149	134	-40.2	-10.1
Alpine	-	-	-	-	-	-	-	-	-	-	.	.
Amador	1	-	-	-	-	-	-	-	-	-	.	.
Berkeley	17	4	12	11	5	4	11	5	6	4	.	.
Butte	4	4	5	1	6	4	3	3	3	3	.	.
Calaveras	-	-	1	-	-	-	-	-	1	-	.	.
Colusa	-	1	2	-	1	-	-	2	-	1	.	.
Contra Costa	97	78	105	68	82	64	58	50	51	79	-18.6	54.9
Del Norte	-	1	-	-	1	-	-	-	-	-	.	.
El Dorado	1	4	5	3	-	3	4	4	3	4	.	.
Fresno	101	91	98	98	115	102	69	62	42	73	-27.7	73.8
Glenn	-	1	-	-	3	-	-	1	2	1	.	.
Humboldt	8	6	7	6	2	4	4	1	-	-	.	.
Imperial	38	26	25	29	25	31	32	33	29	19	-50.0	-34.5
Inyo	-	1	-	1	1	-	-	-	-	-	.	.
Kern	62	49	49	57	47	36	42	40	40	50	-19.4	25.0
Kings	11	7	11	6	3	3	9	2	6	5	-54.5	-16.7
Lake	2	2	2	-	1	3	-	1	1	2	.	.
Lassen	1	1	-	-	-	-	2	-	-	-	.	.
Long Beach	88	63	50	59	65	54	53	39	39	47	-46.6	20.5
Los Angeles	1,170	1,066	1,046	1,025	950	930	906	885	815	792	-32.3	-2.8
Madera	9	14	11	12	14	5	9	3	1	20	122.2	.
Marin	10	11	15	12	17	13	10	6	16	6	-40.0	-62.5
Mariposa	-	2	-	-	-	-	-	-	-	-	.	.
Mendocino	1	4	2	7	6	1	2	4	3	4	.	.
Merced	11	10	15	16	16	8	8	9	5	5	-54.5	0.0
Modoc	-	2	-	-	-	-	-	-	-	-	.	.
Mono	-	-	-	-	-	-	-	-	-	-	.	.
Monterey	47	35	39	24	54	29	37	29	22	24	-48.9	9.1
Napa	3	3	2	7	6	7	3	7	7	3	.	.
Nevada	2	1	1	-	1	1	2	2	-	3	.	.
Orange	246	246	278	230	248	224	241	226	217	209	-15.0	-3.7
Pasadena	8	13	17	12	12	12	15	7	5	6	-25.0	20.0
Placer	3	1	3	3	12	2	5	6	13	2	.	.
Plumas	-	1	-	-	-	-	-	-	-	-	.	.
Riverside	79	71	66	68	75	75	60	74	80	79	0.0	-1.3
Sacramento	97	120	130	104	153	161	143	97	110	110	13.4	0.0
San Benito	5	2	6	3	2	2	-	1	-	1	.	.
San Bernardino	113	104	83	63	67	67	63	58	59	74	-34.5	25.4
San Diego	296	295	332	326	316	320	305	315	280	264	-10.8	-5.7
San Francisco	235	170	182	146	162	135	132	120	143	118	-49.8	-17.5
San Joaquin	74	72	51	52	69	65	63	78	51	66	-10.8	29.4
San Luis Obispo	6	9	11	6	8	2	8	2	3	1	.	.
San Mateo	62	46	78	67	52	56	62	78	87	63	1.6	-27.6
Santa Barbara	26	22	26	18	37	18	26	15	14	34	30.8	142.9
Santa Clara	244	235	215	254	226	203	199	228	241	197	-19.3	-18.3
Santa Cruz	14	4	7	6	9	9	10	6	10	9	-35.7	-10.0
Shasta	5	5	4	4	8	4	6	5	4	2	.	.
Sierra	-	-	-	-	-	-	-	-	-	-	.	.
Siskiyou	1	1	-	-	-	-	1	-	-	-	.	.
Solano	32	27	35	26	30	42	40	25	37	33	3.1	-10.8
Sonoma	18	16	9	16	15	20	11	14	13	9	-50.0	-30.8
Stanislaus	33	18	18	22	17	19	11	16	15	21	-36.4	40.0
Sutter	6	4	5	7	5	-	1	3	1	6	0.0	.
Tehama	2	2	1	-	3	1	4	2	4	1	.	.
Trinity	-	-	-	-	-	-	-	1	-	-	.	.
Tulare	22	17	15	19	16	21	15	21	25	33	50.0	32.0
Tuolumne	-	2	1	-	-	1	-	-	-	-	.	.
Ventura	62	44	52	66	74	72	55	49	57	65	4.8	14.0
Yolo	9	9	5	4	12	5	9	3	9	8	-11.1	-11.1
Yuba	2	12	3	6	3	7	2	-	6	5	.	-16.7

- Indicates zero cases.
. Percent change not calculated where number of cases is less than 5.

California Department of Public Health, Tuberculosis Control Branch

Table 14. Tuberculosis Case Rates per 100,000 Population: Reporting Jurisdictions in California, 1999-2008

Reporting Jurisdiction	1999	2000	2001	2002	2003	2004	2005	2006	2007	2008	Percent Change 1999-2008	Percent Change 2007-2008
California	**10.8**	**9.7**	**9.6**	**9.0**	**9.0**	**8.2**	**7.9**	**7.4**	**7.2**	**7.0**	**-35.2**	**-2.8**
Alameda	17.0	17.9	14.3	14.4	12.6	10.3	10.9	10.0	10.5	9.4	-44.7	-10.5
Alpine	.	.	.	.	.	.	.	.	.	.	.	.
Amador	.	.	.	.	.	.	.	.	.	.	.	.
Berkeley	16.6	.	11.6	10.5	4.8	.	10.6	4.7	5.6	.	.	.
Butte	.	.	2.4	.	2.8	.	.	.	.	.	.	.
Calaveras	.	.	.	.	.	.	.	.	.	.	.	.
Colusa	.	.	.	.	.	.	.	.	.	.	.	.
Contra Costa	10.4	8.2	10.7	6.9	8.2	6.3	5.7	4.8	4.9	7.5	-27.9	53.1
Del Norte	.	.	.	.	.	.	.	.	.	.	.	.
El Dorado	.	.	3.1	.	.	.	.	.	.	.	.	.
Fresno	12.8	11.3	11.9	11.7	13.4	11.7	7.7	6.8	4.5	7.7	-39.8	71.1
Glenn	.	.	.	.	.	.	.	.	.	.	.	.
Humboldt	6.3	4.7	5.5	4.7	.	.	.	.	.	.	.	.
Imperial	27.0	18.1	17.1	19.3	16.1	19.4	19.4	19.4	16.6	10.6	-60.7	-36.1
Inyo	.	.	.	.	.	.	.	.	.	.	.	.
Kern	9.5	7.4	7.2	8.2	6.5	4.8	5.5	5.0	4.9	6.0	-36.8	22.4
Kings	8.6	5.4	8.3	4.4	.	.	6.1	.	3.9	3.2	-62.8	-17.9
Lake	.	.	.	.	.	.	.	.	.	.	.	.
Lassen	.	.	.	.	.	.	.	.	.	.	.	.
Long Beach	19.5	13.7	10.7	12.5	13.5	11.1	10.8	7.9	7.9	9.5	-51.3	20.3
Los Angeles	13.3	11.9	11.4	11.0	10.1	9.8	9.5	9.2	8.4	8.1	-39.1	-3.6
Madera	7.4	11.2	8.6	9.2	10.4	3.6	6.3	.	.	13.0	75.7	.
Marin	4.1	4.4	6.0	4.8	6.8	5.2	4.0	2.4	6.3	2.4	-41.5	-61.9
Mariposa	.	.	.	.	.	.	.	.	.	.	.	.
Mendocino	.	.	.	7.9	6.7	.	.	.	.	.	.	.
Merced	5.3	4.7	6.9	7.1	6.9	3.4	3.3	3.6	2.0	1.9	-64.2	-5.0
Modoc	.	.	.	.	.	.	.	.	.	.	.	.
Mono	.	.	.	.	.	.	.	.	.	.	.	.
Monterey	11.9	8.7	9.5	5.8	12.8	6.9	8.8	6.9	5.2	5.6	-52.9	7.7
Napa	.	.	.	5.4	4.6	5.3	.	5.2	5.1	.	.	.
Nevada	.	.	.	.	.	.	.	.	.	.	.	.
Orange	8.8	8.6	9.5	7.8	8.3	7.4	7.9	7.3	7.0	6.6	-25.0	-5.7
Pasadena	6.1	9.7	12.5	8.6	8.4	8.3	10.3	4.8	3.4	4.1	-32.8	20.6
Placer	.	.	.	.	4.1	.	1.6	1.9	4.0	.	.	.
Plumas	.	.	.	.	.	.	.	.	.	.	.	.
Riverside	5.2	4.6	4.1	4.0	4.2	4.1	3.1	3.7	3.9	3.7	-28.8	-5.1
Sacramento	8.1	9.7	10.2	8.0	11.5	11.9	10.4	7.0	7.8	7.7	-4.9	-1.3
San Benito	9.6	.	10.8	.	.	.	.	.	.	.	.	.
San Bernardino	6.7	6.0	4.7	3.5	3.6	3.5	3.2	2.9	2.9	3.5	-47.8	20.7
San Diego	10.7	10.4	11.5	11.1	10.6	10.6	10.0	10.2	9.0	8.4	-21.5	-6.7
San Francisco	30.7	21.8	23.1	18.5	20.5	17.0	16.6	15.0	17.7	14.6	-52.4	-17.5
San Joaquin	13.3	12.7	8.6	8.5	11.0	10.1	9.5	11.6	7.4	9.3	-30.1	25.7
San Luis Obispo	2.5	3.6	4.4	2.4	3.1	.	3.1	.	.	.	.	.
San Mateo	8.8	6.5	10.9	9.4	7.2	7.8	8.6	10.7	11.9	8.6	-2.3	-27.7
Santa Barbara	6.6	5.5	6.4	4.4	8.9	4.3	6.2	3.6	3.3	8.0	21.2	142.4
Santa Clara	14.6	13.9	12.6	14.8	13.0	11.6	11.3	12.8	13.4	10.9	-25.3	-18.7
Santa Cruz	5.5	.	2.7	2.3	3.5	3.5	3.8	2.3	3.8	3.4	-38.2	-10.5
Shasta	3.1	3.0	.	.	4.6	.	3.3	2.8	.	.	.	.
Sierra	.	.	.	.	.	.	.	.	.	.	.	.
Siskiyou	.	.	.	.	.	.	.	.	.	.	.	.
Solano	8.2	6.8	8.6	6.3	7.2	10.0	9.5	5.9	8.7	7.6	-7.3	-12.6
Sonoma	4.0	3.5	1.9	3.4	3.2	4.2	2.3	2.9	2.7	1.8	-55.0	-33.3
Stanislaus	7.5	4.0	3.9	4.6	3.5	3.8	2.2	3.1	2.8	3.9	-48.0	39.3
Sutter	7.7	.	6.2	8.4	5.8	.	.	.	.	6.1	-20.8	.
Tehama	.	.	.	.	.	.	.	.	.	.	.	.
Trinity	.	.	.	.	.	.	.	.	.	.	.	.
Tulare	6.0	4.6	4.0	4.9	4.0	5.2	3.6	4.9	5.7	7.4	23.3	29.8
Tuolumne	.	.	.	.	.	.	.	.	.	.	.	.
Ventura	8.3	5.8	6.7	8.4	9.3	8.9	6.8	6.0	6.9	7.8	-6.0	13.0
Yolo	5.4	5.3	2.8	.	6.6	2.7	4.8	.	4.6	4.0	-25.9	-13.0
Yuba	.	19.8	.	9.5	.	10.5	.	.	8.0	6.5	.	-18.8

. Rates and rate changes not calculated where number of cases is less than 5.

California Department of Public Health, Tuberculosis Control Branch

Table 15. Tuberculosis Cases by Age Group: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	All Cases	Age Group					
		0-4	5-14	15-24	25-44	45-64	65+
California	**2,695**	**87**	**68**	**280**	**812**	**825**	**623**
Alameda	134	1	2	10	49	37	35
Contra Costa	79	3	1	8	31	19	17
Fresno	73	8	3	13	16	17	16
Imperial	19	1	-	3	1	10	4
Kern	50	1	1	8	18	11	11
Kings	5	1	-	-	2	2	-
Long Beach	47	1	1	6	18	15	6
Los Angeles	792	23	23	66	261	242	177
Madera	20	1	1	6	8	4	-
Marin	6	-	-	-	1	3	2
Merced	5	-	-	1	-	2	2
Monterey	24	4	2	4	3	7	4
Orange	209	6	3	17	60	64	59
Pasadena	6	-	-	1	1	4	-
Riverside	79	3	2	10	13	36	15
Sacramento	110	1	3	9	35	33	29
San Bernardino	74	-	1	8	20	25	20
San Diego	264	5	12	40	79	82	46
San Francisco	118	4	-	12	35	30	37
San Joaquin	66	4	3	3	14	22	20
San Mateo	63	3	1	6	15	16	22
Santa Barbara	34	3	1	9	5	12	4
Santa Clara	197	5	2	17	62	64	47
Santa Cruz	9	-	-	1	2	5	1
Solano	33	3	2	1	7	14	6
Sonoma	9	1	-	1	2	4	1
Stanislaus	21	-	-	4	8	4	5
Sutter	6	-	-	1	2	1	2
Tulare	33	4	2	3	7	10	7
Ventura	65	1	1	9	21	17	16
Yolo	8	-	1	-	3	2	2
Yuba	5	-	-	-	4	1	-
All Other Jurisdictions*	32	-	-	3	9	10	10

- Indicates zero cases.
* Reporting jurisdictions with fewer than 5 cases.

Table 16. Tuberculosis Cases in Persons 0-4 Years of Age: Reporting Jurisdictions in California, 2000-2008

Reporting Jurisdiction	2000		2001		2002		2003		2004		2005		2006		2007		2008	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	**115**	**3.5**	**132**	**4.0**	**127**	**4.0**	**131**	**4.1**	**116**	**3.9**	**85**	**2.9**	**91**	**3.3**	**90**	**3.3**	**87**	**3.2**
Alameda	5	2.1	3	1.5	13	6.5	3	1.7	1	0.7	3	1.9	-	-	3	2.0	1	0.7
Contra Costa	2	2.6	5	4.8	1	1.4	5	6.1	-	-	-	-	1	2.0	3	5.9	3	3.8
Fresno	7	7.7	11	11.3	25	25.3	27	23.5	19	18.6	5	7.2	3	4.8	2	4.8	8	11.0
Imperial	-	-	-	-	1	3.4	-	-	2	6.5	2	6.3	3	9.1	1	3.4	1	5.3
Kern	5	10.2	1	1.9	1	1.7	2	4.3	3	8.3	1	2.4	1	2.4	2	5.3	1	2.0
Long Beach	5	7.9	1	2.0	9	15.3	4	6.2	1	1.9	-	-	-	-	2	5.1	1	2.1
Los Angeles	36	3.4	31	3.0	20	2.0	21	2.2	27	2.9	26	2.9	31	3.5	27	3.3	23	2.9
Marin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Merced	-	-	2	13.3	1	5.9	-	-	-	-	-	-	-	-	-	-	-	-
Monterey	4	10.3	3	7.9	-	-	7	13.0	3	10.3	1	2.7	3	10.3	-	-	4	16.7
Orange	10	4.1	13	4.7	9	3.9	6	2.4	4	1.7	4	1.7	8	3.5	9	4.1	6	2.9
Pasadena	1	7.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Riverside	2	2.9	-	-	5	7.4	4	5.4	4	5.3	1	1.7	1	1.4	1	1.3	3	3.8
Sacramento	3	2.5	4	3.1	8	7.7	2	1.3	5	3.2	4	2.8	-	-	4	3.7	1	0.9
San Bernardino	3	2.9	8	9.6	1	1.6	1	1.5	3	4.4	3	4.8	3	5.2	1	1.7	-	-
San Diego	13	4.4	18	5.4	10	3.1	15	4.7	15	4.7	14	4.6	19	6.0	10	3.6	5	1.9
San Francisco	2	1.2	4	2.2	3	2.1	2	1.2	5	3.7	2	1.5	1	0.8	1	0.7	4	3.4
San Joaquin	3	4.2	1	2.0	-	-	2	2.9	3	4.6	4	6.3	3	3.8	4	7.8	4	6.1
San Mateo	2	4.3	3	3.9	5	7.4	4	7.7	1	1.8	2	3.2	-	-	2	2.2	3	4.8
Santa Barbara	-	-	2	7.7	2	11.8	4	10.8	-	-	2	7.7	-	-	-	-	3	8.8
Santa Clara	4	1.7	9	4.2	4	1.6	7	3.1	4	2.0	3	1.5	6	2.6	6	2.5	5	2.5
Solano	2	7.4	4	11.4	2	7.7	3	10.3	2	4.8	-	-	3	11.5	-	-	3	9.1
Sonoma	1	6.3	-	-	1	5.9	-	-	2	9.5	-	-	-	-	-	-	1	11.1
Stanislaus	-	-	-	-	-	-	-	-	2	10.5	-	-	-	-	-	-	-	-
Tulare	-	-	1	6.7	2	10.5	1	6.3	4	19.0	-	-	2	9.5	1	4.0	4	12.1
Ventura	1	2.3	1	1.9	2	3.0	7	9.6	3	4.2	-	-	1	2.0	4	7.0	1	1.5
All Other Jurisdictions*	4	3.6	7	6.5	2	2.2	4	3.5	3	4.3	8	8.5	2	3.1	7	8.2	2	2.4

- Indicates zero cases or zero percent.
* Reporting jurisdictions with fewer than 5 total cases in any year.

California Department of Public Health, Tuberculosis Control Branch

Table 17. Tuberculosis Cases by Race/Ethnicity: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Cases	Race/Ethnicity							
		White Not Hispanic	Black Not Hispanic	Hispanic	Asian	Amer Indian/ Alaska Native	Nat Hawaiian/ Pacific Islander	Multi-race*	Unknown
California	**2,695**	**261**	**207**	**1,058**	**1,141**	**9**	**12**	**6**	**1**
Alameda	134	9	15	27	78	-	5	-	-
Contra Costa	79	9	15	21	33	-	1	-	-
Fresno	73	9	-	33	31	-	-	-	-
Imperial	19	2	-	16	-	1	-	-	-
Kern	50	7	4	32	7	-	-	-	-
Kings	5	-	1	4	-	-	-	-	-
Long Beach	47	3	5	19	20	-	-	-	-
Los Angeles	792	56	87	369	276	1	2	1	-
Madera	20	2	1	16	1	-	-	-	-
Marin	6	1	1	2	2	-	-	-	-
Merced	5	1	-	4	-	-	-	-	-
Monterey	24	1	1	15	7	-	-	-	-
Orange	209	18	5	61	124	-	-	1	-
Pasadena	6	-	2	4	-	-	-	-	-
Riverside	79	12	2	40	23	-	1	1	-
Sacramento	110	14	9	19	67	-	1	-	-
San Bernardino	74	9	5	30	28	1	-	1	-
San Diego	264	25	16	138	82	2	-	1	-
San Francisco	118	11	9	25	71	1	-	1	-
San Joaquin	66	9	3	19	34	-	-	-	1
San Mateo	63	6	5	21	31	-	-	-	-
Santa Barbara	34	13	-	17	4	-	-	-	-
Santa Clara	197	9	8	27	151	-	2	-	-
Santa Cruz	9	2	1	4	1	1	-	-	-
Solano	33	2	6	5	20	-	-	-	-
Sonoma	9	2	-	4	3	-	-	-	-
Stanislaus	21	3	-	11	7	-	-	-	-
Sutter	6	-	-	3	3	-	-	-	-
Tulare	33	3	2	22	6	-	-	-	-
Ventura	65	9	1	33	22	-	-	-	-
Yolo	8	5	1	2	-	-	-	-	-
Yuba	5	-	-	2	3	-	-	-	-
All Other Jurisdictions**	32	9	2	13	6	2	-	-	-

* Two or more races reported.
- Indicates zero cases.
** Reporting jurisdictions with fewer than 5 cases.

Table 18. Tuberculosis Cases by U.S.-born and Foreign-born Persons: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	All Cases	U.S.-born		Foreign-born		Unknown	
		No.	%	No.	%	No.	%
California	**2,695**	**661**	**24.5**	**2,023**	**75.1**	**11**	**0.4**
Alameda	134	23	17.2	111	82.8	-	-
Contra Costa	79	24	30.4	55	69.6	-	-
Fresno	73	26	35.6	47	64.4	-	-
Imperial	19	9	47.4	10	52.6	-	-
Kern	50	15	30.0	34	68.0	1	2.0
Kings	5	2	40.0	3	60.0	-	-
Long Beach	47	13	27.7	34	72.3	-	-
Los Angeles	792	180	22.7	608	76.8	4	0.5
Madera	20	14	70.0	6	30.0	-	-
Marin	6	3	50.0	3	50.0	-	-
Merced	5	2	40.0	3	60.0	-	-
Monterey	24	11	45.8	13	54.2	-	-
Orange	209	32	15.3	177	84.7	-	-
Pasadena	6	1	16.7	5	83.3	-	-
Riverside	79	19	24.1	60	75.9	-	-
Sacramento	110	24	21.8	82	74.5	4	3.6
San Bernardino	74	23	31.1	51	68.9	-	-
San Diego	264	76	28.8	187	70.8	1	0.4
San Francisco	118	27	22.9	91	77.1	-	-
San Joaquin	66	17	25.8	48	72.7	1	1.5
San Mateo	63	18	28.6	45	71.4	-	-
Santa Barbara	34	20	58.8	14	41.2	-	-
Santa Clara	197	19	9.6	178	90.4	-	-
Santa Cruz	9	3	33.3	6	66.7	-	-
Solano	33	12	36.4	21	63.6	-	-
Sonoma	9	2	22.2	7	77.8	-	-
Stanislaus	21	3	14.3	18	85.7	-	-
Sutter	6	-	-	6	100.0	-	-
Tulare	33	10	30.3	23	69.7	-	-
Ventura	65	15	23.1	50	76.9	-	-
Yolo	8	8	100.0	-	-	-	-
Yuba	5	-	-	5	100.0	-	-
All Other Jurisdictions*	32	10	31.3	22	68.8	-	-

- Indicates zero cases or zero percent.

* Reporting jurisdictions with fewer than 5 cases.

California Department of Public Health, Tuberculosis Control Branch

Table 19. Tuberculosis Cases in Foreign-born Persons by Time in the United States: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Foreign-born Cases	≤1 year		1-2 years		3-5 years		6-10 years		11-20 years		>20 years		Unknown Time in U.S.	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	**2,023**	**278**	**13.7**	**88**	**4.3**	**213**	**10.5**	**274**	**13.5**	**431**	**21.3**	**658**	**32.5**	**81**	**4.0**
Alameda	111	13	11.7	5	4.5	16	14.4	18	16.2	29	26.1	28	25.2	2	1.8
Contra Costa	55	7	12.7	2	3.6	5	9.1	10	18.2	19	34.5	12	21.8	-	-
Fresno	47	4	8.5	3	6.4	9	19.1	3	6.4	9	19.1	18	38.3	1	2.1
Imperial	10	-	-	-	-	-	-	-	-	3	30.0	7	70.0	-	-
Kern	34	4	11.8	2	5.9	7	20.6	6	17.6	6	17.6	8	23.5	1	2.9
Kings	3	-	-	-	-	-	-	-	-	1	33.3	2	66.7	-	-
Long Beach	34	4	11.8	3	8.8	2	5.9	5	14.7	9	26.5	7	20.6	4	11.8
Los Angeles	608	74	12.2	21	3.5	55	9.0	94	15.5	117	19.2	214	35.2	33	5.4
Madera	6	1	16.7	1	16.7	-	-	2	33.3	-	-	2	33.3	-	-
Marin	3	1	33.3	-	-	-	-	1	33.3	1	33.3	-	-	-	-
Merced	3	2	66.7	-	-	-	-	-	-	1	33.3	-	-	-	-
Monterey	13	1	7.7	-	-	3	23.1	1	7.7	1	7.7	7	53.8	-	-
Orange	177	20	11.3	9	5.1	21	11.9	20	11.3	44	24.9	60	33.9	3	1.7
Pasadena	5	-	-	-	-	-	-	-	-	1	20.0	1	20.0	3	60.0
Riverside	60	6	10.0	1	1.7	8	13.3	11	18.3	14	23.3	20	33.3	-	-
Sacramento	82	18	22.0	4	4.9	11	13.4	9	11.0	13	15.9	25	30.5	2	2.4
San Bernardino	51	7	13.7	-	-	5	9.8	6	11.8	12	23.5	14	27.5	7	13.7
San Diego	187	27	14.4	8	4.3	18	9.6	22	11.8	31	16.6	76	40.6	5	2.7
San Francisco	91	15	16.5	5	5.5	11	12.1	8	8.8	22	24.2	30	33.0	-	-
San Joaquin	48	10	20.8	1	2.1	4	8.3	4	8.3	4	8.3	25	52.1	-	-
San Mateo	45	5	11.1	4	8.9	4	8.9	5	11.1	11	24.4	15	33.3	1	2.2
Santa Barbara	14	5	35.7	-	-	2	14.3	3	21.4	2	14.3	-	-	2	14.3
Santa Clara	178	29	16.3	8	4.5	18	10.1	22	12.4	55	30.9	39	21.9	7	3.9
Santa Cruz	6	-	-	-	-	-	-	1	16.7	-	-	4	66.7	1	16.7
Solano	21	5	23.8	1	4.8	2	9.5	2	9.5	4	19.0	7	33.3	-	-
Sonoma	7	2	28.6	-	-	-	-	1	14.3	1	14.3	3	42.9	-	-
Stanislaus	18	2	11.1	2	11.1	1	5.6	2	11.1	4	22.2	7	38.9	-	-
Sutter	6	1	16.7	2	33.3	-	-	1	16.7	2	33.3	-	-	-	-
Tulare	23	3	13.0	-	-	1	4.3	4	17.4	4	17.4	5	21.7	6	26.1
Ventura	50	9	18.0	4	8.0	6	12.0	11	22.0	7	14.0	13	26.0	-	-
Yuba	5	-	-	-	-	1	20.0	2	40.0	-	-	1	20.0	1	20.0
All Other Jurisdictions*	22	3	13.6	2	9.1	3	13.6	-	-	4	18.2	8	36.4	2	9.1

- Indicates zero cases or zero percent.
* Reporting jurisdictions with fewer than 5 total cases.

Table 20. Tuberculosis Cases by Form of Disease: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Cases	Pulmonary*		Extrapulmonary**		Both Pulmonary and Extrapulmonary Disease	
		No.	%	No.	%	No.	%
California	**2,695**	**1,931**	**71.7**	**554**	**20.6**	**209**	**7.8**
Alameda	134	97	72.4	33	24.6	4	3.0
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Berkeley	4	2	50.0	2	50.0	-	-
Butte	3	2	66.7	1	33.3	-	-
Calaveras	-	-	-	-	-	-	-
Colusa	1	1	100.0	-	-	-	-
Contra Costa	79	56	70.9	16	20.3	7	8.9
Del Norte	-	-	-	-	-	-	-
El Dorado	4	3	75.0	1	25.0	-	-
Fresno	73	61	83.6	8	11.0	4	5.5
Glenn	1	1	100.0	-	-	-	-
Humboldt	-	-	-	-	-	-	-
Imperial	19	16	84.2	3	15.8	-	-
Inyo	-	-	-	-	-	-	-
Kern	50	42	84.0	6	12.0	2	4.0
Kings	5	3	60.0	1	20.0	1	20.0
Lake	2	2	100.0	-	-	-	-
Lassen	-	-	-	-	-	-	-
Long Beach	47	29	61.7	11	23.4	7	14.9
Los Angeles	792	568	71.7	180	22.7	44	5.6
Madera	20	14	70.0	6	30.0	-	-
Marin	6	2	33.3	3	50.0	1	16.7
Mariposa	-	-	-	-	-	-	-
Mendocino	4	1	25.0	-	-	3	75.0
Merced	5	2	40.0	-	-	3	60.0
Modoc	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-
Monterey	24	20	83.3	3	12.5	1	4.2
Napa	3	1	33.3	2	66.7	-	-
Nevada	3	2	66.7	1	33.3	-	-
Orange	209	146	69.9	40	19.1	22	10.5
Pasadena	6	5	83.3	1	16.7	-	-
Placer	2	2	100.0	-	-	-	-
Plumas	-	-	-	-	-	-	-
Riverside	79	60	75.9	19	24.1	-	-
Sacramento	110	88	80.0	18	16.4	4	3.6
San Benito	1	1	100.0	-	-	-	-
San Bernardino	74	54	73.0	19	25.7	1	1.4
San Diego	264	169	64.0	53	20.1	42	15.9
San Francisco	118	76	64.4	24	20.3	18	15.3
San Joaquin	66	53	80.3	5	7.6	8	12.1
San Luis Obispo	1	-	-	-	-	1	100.0
San Mateo	63	48	76.2	12	19.0	3	4.8
Santa Barbara	34	28	82.4	5	14.7	1	2.9
Santa Clara	197	131	66.5	50	25.4	16	8.1
Santa Cruz	9	6	66.7	3	33.3	-	-
Shasta	2	1	50.0	1	50.0	-	-
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	33	29	87.9	3	9.1	1	3.0
Sonoma	9	4	44.4	4	44.4	1	11.1
Stanislaus	21	18	85.7	2	9.5	1	4.8
Sutter	6	5	83.3	1	16.7	-	-
Tehama	1	1	100.0	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	33	22	66.7	5	15.2	6	18.2
Tuolumne	-	-	-	-	-	-	-
Ventura	65	48	73.8	12	18.5	5	7.7
Yolo	8	6	75.0	-	-	2	25.0
Yuba	5	5	100.0	-	-	-	-

* Includes cases with pulmonary listed as major site of disease and no additional site of disease.

** Includes cases with pleural, lymphatic, bone and/or joint, meningeal, miliary, peritoneal, or other site listed as major site of disease. No cases with pulmonary listed as either major or additional site of disease are included.

- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 21. Tuberculosis Cases by Verification Criteria: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Cases	Positive Culture		Positive Smear		Clinical Case		Provider Diagnosis	
		No.	%	No.	%	No.	%	No.	%
California	**2,695**	**2,158**	**80.1**	**7**	**0.3**	**310**	**11.5**	**220**	**8.2**
Alameda	134	99	73.9	-	-	24	17.9	11	8.2
Alpine	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-
Berkeley	4	3	75.0	-	-	-	-	1	25.0
Butte	3	3	100.0	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-
Colusa	1	-	-	-	-	1	100.0	-	-
Contra Costa	79	62	78.5	-	-	11	13.9	6	7.6
Del Norte	-	-	-	-	-	-	-	-	-
El Dorado	4	3	75.0	-	-	-	-	1	25.0
Fresno	73	58	79.5	-	-	9	12.3	6	8.2
Glenn	1	1	100.0	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	-	-	-
Imperial	19	16	84.2	-	-	1	5.3	2	10.5
Inyo	-	-	-	-	-	-	-	-	-
Kern	50	46	92.0	-	-	2	4.0	2	4.0
Kings	5	4	80.0	1	20.0	-	-	-	-
Lake	2	2	100.0	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-
Long Beach	47	40	85.1	-	-	4	8.5	3	6.4
Los Angeles	792	631	79.7	1	0.1	112	14.1	48	6.1
Madera	20	12	60.0	-	-	8	40.0	-	-
Marin	6	4	66.7	-	-	2	33.3	-	-
Mariposa	-	-	-	-	-	-	-	-	-
Mendocino	4	3	75.0	-	-	1	25.0	-	-
Merced	5	5	100.0	-	-	-	-	-	-
Modoc	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-
Monterey	24	17	70.8	-	-	2	8.3	5	20.8
Napa	3	3	100.0	-	-	-	-	-	-
Nevada	3	2	66.7	-	-	1	33.3	-	-
Orange	209	187	89.5	-	-	12	5.7	10	4.8
Pasadena	6	5	83.3	-	-	-	-	1	16.7
Placer	2	1	50.0	-	-	-	-	1	50.0
Plumas	-	-	-	-	-	-	-	-	-
Riverside	79	70	88.6	-	-	3	3.8	6	7.6
Sacramento	110	69	62.7	3	2.7	25	22.7	13	11.8
San Benito	1	1	100.0	-	-	-	-	-	-
San Bernardino	74	68	91.9	1	1.4	1	1.4	4	5.4
San Diego	264	226	85.6	-	-	23	8.7	15	5.7
San Francisco	118	93	78.8	-	-	21	17.8	4	3.4
San Joaquin	66	49	74.2	-	-	15	22.7	2	3.0
San Luis Obispo	1	1	100.0	-	-	-	-	-	-
San Mateo	63	53	84.1	-	-	3	4.8	7	11.1
Santa Barbara	34	32	94.1	-	-	-	-	2	5.9
Santa Clara	197	164	83.2	-	-	11	5.6	22	11.2
Santa Cruz	9	5	55.6	-	-	-	-	4	44.4
Shasta	2	2	100.0	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-
Solano	33	20	60.6	-	-	3	9.1	10	30.3
Sonoma	9	8	88.9	-	-	-	-	1	11.1
Stanislaus	21	20	95.2	-	-	-	-	1	4.8
Sutter	6	6	100.0	-	-	-	-	-	-
Tehama	1	1	100.0	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-
Tulare	33	19	57.6	-	-	6	18.2	8	24.2
Tuolumne	-	-	-	-	-	-	-	-	-
Ventura	65	37	56.9	1	1.5	7	10.8	20	30.8
Yolo	8	4	50.0	-	-	2	25.0	2	25.0
Yuba	5	3	60.0	-	-	-	-	2	40.0

- Indicates zero cases or zero percent.

Table 22. Tuberculosis Cases by Sputum Smear Status: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Pulmonary Cases	Sputum Smear Results							
		Smear Positive		Smear Negative		Smear Not Done		Unknown	
		No.	%	No.	%	No.	%	No.	%
California	**2,140**	**1,061**	**49.6**	**950**	**44.4**	**125**	**5.8**	**4**	**0.2**
Alameda	101	37	36.6	57	56.4	7	6.9	-	-
Alpine	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-
Berkeley	2	1	50.0	1	50.0	-	-	-	-
Butte	2	2	100.0	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-
Colusa	1	-	-	1	100.0	-	-	-	-
Contra Costa	63	22	34.9	35	55.6	6	9.5	-	-
Del Norte	-	-	-	-	-	-	-	-	-
El Dorado	3	-	-	3	100.0	-	-	-	-
Fresno	65	32	49.2	30	46.2	3	4.6	-	-
Glenn	1	1	100.0	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	-	-	-
Imperial	16	11	68.8	3	18.8	2	12.5	-	-
Inyo	-	-	-	-	-	-	-	-	-
Kern	44	25	56.8	16	36.4	1	2.3	2	4.5
Kings	4	4	100.0	-	-	-	-	-	-
Lake	2	2	100.0	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-
Long Beach	36	20	55.6	16	44.4	-	-	-	-
Los Angeles	612	342	55.9	239	39.1	31	5.1	-	-
Madera	14	5	35.7	5	35.7	4	28.6	-	-
Marin	3	3	100.0	-	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-	-	-
Mendocino	4	-	-	4	100.0	-	-	-	-
Merced	5	3	60.0	2	40.0	-	-	-	-
Modoc	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-
Monterey	21	11	52.4	7	33.3	3	14.3	-	-
Napa	1	1	100.0	-	-	-	-	-	-
Nevada	2	2	100.0	-	-	-	-	-	-
Orange	168	94	56.0	69	41.1	5	3.0	-	-
Pasadena	5	4	80.0	1	20.0	-	-	-	-
Placer	2	2	100.0	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-
Riverside	60	39	65.0	16	26.7	5	8.3	-	-
Sacramento	92	32	34.8	50	54.3	8	8.7	2	2.2
San Benito	1	-	-	1	100.0	-	-	-	-
San Bernardino	55	31	56.4	23	41.8	1	1.8	-	-
San Diego	211	96	45.5	100	47.4	15	7.1	-	-
San Francisco	94	36	38.3	52	55.3	6	6.4	-	-
San Joaquin	61	26	42.6	29	47.5	6	9.8	-	-
San Luis Obispo	1	1	100.0	-	-	-	-	-	-
San Mateo	51	22	43.1	27	52.9	2	3.9	-	-
Santa Barbara	29	18	62.1	10	34.5	1	3.4	-	-
Santa Clara	147	69	46.9	71	48.3	7	4.8	-	-
Santa Cruz	6	2	33.3	4	66.7	-	-	-	-
Shasta	1	1	100.0	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-
Solano	30	10	33.3	16	53.3	4	13.3	-	-
Sonoma	5	3	60.0	2	40.0	-	-	-	-
Stanislaus	19	9	47.4	9	47.4	1	5.3	-	-
Sutter	5	4	80.0	-	-	1	20.0	-	-
Tehama	1	-	-	1	100.0	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-
Tulare	28	13	46.4	12	42.9	3	10.7	-	-
Tuolumne	-	-	-	-	-	-	-	-	-
Ventura	53	22	41.5	29	54.7	2	3.8	-	-
Yolo	8	2	25.0	5	62.5	1	12.5	-	-
Yuba	5	1	20.0	4	80.0	-	-	-	-

- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 23. Tuberculosis Cases by Chest X-ray Status: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Pulmonary Cases	Cases with Abnormal Chest X-ray	Type of Abnormal Finding: Cavitary		Non-Cavitary Consistent w/ TB		Non-Cavitary Not Consistent w/ TB		Unknown	
			No.	%	No.	%	No.	%	No.	%
California	**2,140**	**2,075**	**579**	**27.9**	**1,455**	**70.1**	**38**	**1.8**	**3**	**0.1**
Alameda	101	98	21	21.4	77	78.6	-	-	-	-
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-
Berkeley	2	2	-	-	1	50.0	1	50.0	-	-
Butte	2	2	-	-	1	50.0	1	50.0	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	1	1	-	-	1	100.0	-	-	-	-
Contra Costa	63	63	19	30.2	42	66.7	-	-	2	3.2
Del Norte	-	-	-	-	-	-	-	-	-	-
El Dorado	3	3	-	-	3	100.0	-	-	-	-
Fresno	65	64	18	28.1	44	68.8	1	1.6	1	1.6
Glenn	1	-	-	-	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	-	-	-	-
Imperial	16	16	3	18.8	12	75.0	1	6.3	-	-
Inyo	-	-	-	-	-	-	-	-	-	-
Kern	44	42	20	47.6	18	42.9	4	9.5	-	-
Kings	4	4	2	50.0	2	50.0	-	-	-	-
Lake	2	2	2	100.0	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-
Long Beach	36	35	10	28.6	25	71.4	-	-	-	-
Los Angeles	612	592	176	29.7	416	70.3	-	-	-	-
Madera	14	14	4	28.6	10	71.4	-	-	-	-
Marin	3	3	1	33.3	2	66.7	-	-	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	4	3	1	33.3	2	66.7	-	-	-	-
Merced	5	4	3	75.0	1	25.0	-	-	-	-
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	21	21	6	28.6	14	66.7	1	4.8	-	-
Napa	1	1	1	100.0	-	-	-	-	-	-
Nevada	2	2	2	100.0	-	-	-	-	-	-
Orange	168	157	42	26.8	111	70.7	4	2.5	-	-
Pasadena	5	5	4	80.0	1	20.0	-	-	-	-
Placer	2	2	2	100.0	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	60	58	16	27.6	38	65.5	4	6.9	-	-
Sacramento	92	90	24	26.7	64	71.1	2	2.2	-	-
San Benito	1	1	-	-	1	100.0	-	-	-	-
San Bernardino	55	54	15	27.8	34	63.0	5	9.3	-	-
San Diego	211	206	45	21.8	160	77.7	1	0.5	-	-
San Francisco	94	94	18	19.1	76	80.9	-	-	-	-
San Joaquin	61	61	21	34.4	39	63.9	1	1.6	-	-
San Luis Obispo	1	1	-	-	1	100.0	-	-	-	-
San Mateo	51	48	15	31.3	32	66.7	1	2.1	-	-
Santa Barbara	29	29	10	34.5	18	62.1	1	3.4	-	-
Santa Clara	147	141	30	21.3	107	75.9	4	2.8	-	-
Santa Cruz	6	6	2	33.3	4	66.7	-	-	-	-
Shasta	1	1	1	100.0	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	30	30	6	20.0	21	70.0	3	10.0	-	-
Sonoma	5	5	3	60.0	2	40.0	-	-	-	-
Stanislaus	19	19	8	42.1	10	52.6	1	5.3	-	-
Sutter	5	5	1	20.0	4	80.0	-	-	-	-
Tehama	1	1	-	-	-	-	1	100.0	-	-
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	28	25	7	28.0	18	72.0	-	-	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	53	51	16	31.4	34	66.7	1	2.0	-	-
Yolo	8	8	2	25.0	6	75.0	-	-	-	-
Yuba	5	5	2	40.0	3	60.0	-	-	-	-

- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 24. Tuberculosis Cases by Vital Status at Diagnosis and Initiation of Treatment: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Cases	Dead at Diagnosis		Alive at Diagnosis		Alive and Started Treatment	
		No.	%	No.	%	No.	%
California	**2,695**	**37**	**1.4**	**2,658**	**98.6**	**2,623**	**97.3**
Alameda	134	1	0.7	133	99.3	133	99.3
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Berkeley	4	-	-	4	100.0	4	100.0
Butte	3	-	-	3	100.0	3	100.0
Calaveras	-	-	-	-	-	-	-
Colusa	1	-	-	1	100.0	1	100.0
Contra Costa	79	-	-	79	100.0	78	98.7
Del Norte	-	-	-	-	-	-	-
El Dorado	4	-	-	4	100.0	4	100.0
Fresno	73	-	-	73	100.0	73	100.0
Glenn	1	-	-	1	100.0	1	100.0
Humboldt	-	-	-	-	-	-	-
Imperial	19	-	-	19	100.0	19	100.0
Inyo	-	-	-	-	-	-	-
Kern	50	-	-	50	100.0	49	98.0
Kings	5	-	-	5	100.0	5	100.0
Lake	2	-	-	2	100.0	2	100.0
Lassen	-	-	-	-	-	-	-
Long Beach	47	-	-	47	100.0	46	97.9
Los Angeles	792	14	1.8	778	98.2	756	95.5
Madera	20	-	-	20	100.0	20	100.0
Marin	6	-	-	6	100.0	6	100.0
Mariposa	-	-	-	-	-	-	-
Mendocino	4	-	-	4	100.0	4	100.0
Merced	5	-	-	5	100.0	5	100.0
Modoc	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-
Monterey	24	-	-	24	100.0	24	100.0
Napa	3	-	-	3	100.0	3	100.0
Nevada	3	-	-	3	100.0	3	100.0
Orange	209	2	1.0	207	99.0	206	98.6
Pasadena	6	-	-	6	100.0	5	83.3
Placer	2	-	-	2	100.0	2	100.0
Plumas	-	-	-	-	-	-	-
Riverside	79	-	-	79	100.0	77	97.5
Sacramento	110	1	0.9	109	99.1	108	98.2
San Benito	1	-	-	1	100.0	1	100.0
San Bernardino	74	2	2.7	72	97.3	72	97.3
San Diego	264	9	3.4	255	96.6	254	96.2
San Francisco	118	3	2.5	115	97.5	115	97.5
San Joaquin	66	-	-	66	100.0	66	100.0
San Luis Obispo	1	-	-	1	100.0	1	100.0
San Mateo	63	3	4.8	60	95.2	60	95.2
Santa Barbara	34	-	-	34	100.0	34	100.0
Santa Clara	197	-	-	197	100.0	194	98.5
Santa Cruz	9	-	-	9	100.0	9	100.0
Shasta	2	-	-	2	100.0	2	100.0
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	33	-	-	33	100.0	33	100.0
Sonoma	9	-	-	9	100.0	8	88.9
Stanislaus	21	-	-	21	100.0	21	100.0
Sutter	6	-	-	6	100.0	6	100.0
Tehama	1	-	-	1	100.0	1	100.0
Trinity	-	-	-	-	-	-	-
Tulare	33	-	-	33	100.0	33	100.0
Tuolumne	-	-	-	-	-	-	-
Ventura	65	2	3.1	63	96.9	63	96.9
Yolo	8	-	-	8	100.0	8	100.0
Yuba	5	-	-	5	100.0	5	100.0

- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 25. Deaths in Persons with Tuberculosis: Reporting Jurisdictions in California, 2006

Reporting Jurisdiction	Total Cases	Total Deaths		Timing of Death: Dead at Diagnosis		Timing of Death: Died Before Starting TB Treatment		Timing of Death: Died During TB Treatment	
		No.	%	No.	%	No.	%	No.	%
California	**2,777**	**271**	**9.8**	**62**	**2.2**	**12**	**0.4**	**198**	**7.1**
Alameda	141	16	11.3	3	2.1	1	0.7	13	9.2
Alpine	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-
Berkeley	5	-	-	-	-	-	-	-	-
Butte	3	1	33.3	-	-	-	-	1	33.3
Calaveras	-	-	-	-	-	-	-	-	-
Colusa	2	-	-	-	-	-	-	-	-
Contra Costa	50	5	10.0	-	-	-	-	5	10.0
Del Norte	1	-	-	-	-	-	-	-	-
El Dorado	4	-	-	-	-	-	-	-	-
Fresno	62	3	4.8	-	-	-	-	3	4.8
Glenn	1	-	-	-	-	-	-	-	-
Humboldt	1	-	-	-	-	-	-	-	-
Imperial	33	3	9.1	1	3.0	-	-	2	6.1
Inyo	-	-	-	-	-	-	-	-	-
Kern	41	11	26.8	4	9.8	-	-	7	17.1
Kings	2	-	-	-	-	-	-	-	-
Lake	1	-	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-
Long Beach	39	5	12.8	-	-	-	-	5	12.8
Los Angeles	880	94	10.7	22	2.5	8	0.9	64	7.3
Madera	3	-	-	-	-	-	-	-	-
Marin	6	2	33.3	-	-	-	-	2	33.3
Mariposa	-	-	-	-	-	-	-	-	-
Mendocino	4	-	-	-	-	-	-	-	-
Merced	9	1	11.1	-	-	-	-	1	11.1
Modoc	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-
Monterey	29	4	13.8	2	6.9	-	-	2	6.9
Napa	7	1	14.3	-	-	-	-	1	14.3
Nevada	2	-	-	-	-	-	-	-	-
Orange	226	18	8.0	7	3.1	-	-	11	4.9
Pasadena	7	1	14.3	-	-	-	-	1	14.3
Placer	6	-	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-
Riverside	74	8	10.8	2	2.7	-	-	6	8.1
Sacramento	97	5	5.2	1	1.0	-	-	4	4.1
San Benito	1	-	-	-	-	-	-	-	-
San Bernardino	58	5	8.6	2	3.4	-	-	3	5.2
San Diego	315	31	9.8	8	2.5	-	-	23	7.3
San Francisco	120	17	14.2	6	5.0	-	-	11	9.2
San Joaquin	78	10	12.8	-	-	2	2.6	8	10.3
San Luis Obispo	2	-	-	-	-	-	-	-	-
San Mateo	78	5	6.4	-	-	-	-	5	6.4
Santa Barbara	15	1	6.7	-	-	-	-	1	6.7
Santa Clara	228	12	5.3	3	1.3	1	0.4	8	3.5
Santa Cruz	6	1	16.7	1	16.7	-	-	-	-
Shasta	5	1	20.0	-	-	-	-	1	20.0
Sierra	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-
Solano	26	2	7.7	-	-	-	-	2	7.7
Sonoma	14	-	-	-	-	-	-	-	-
Stanislaus	16	1	6.3	-	-	-	-	1	6.3
Sutter	3	-	-	-	-	-	-	-	-
Tehama	2	1	50.0	-	-	-	-	1	50.0
Trinity	1	-	-	-	-	-	-	-	-
Tulare	21	3	14.3	-	-	-	-	3	14.3
Tuolumne	-	-	-	-	-	-	-	-	-
Ventura	49	3	6.1	-	-	-	-	3	6.1
Yolo	3	-	-	-	-	-	-	-	-
Yuba	-	-	-	-	-	-	-	-	-

- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 26. Tuberculosis Cases by Initial Drug Regimen: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Cases Alive at Diagnosis	Cases Started on Initial Drug Regimen		Initial Drug Regimen* (%)				
		No.	%	IR	IRZ	IRE	IRZ,E/S	Other
California	**2,658**	**2,623**	**98.7**	**0.4**	**2.1**	**2.4**	**89.8**	**5.3**
Alameda	133	133	100.0	-	1.5	1.5	93.2	3.8
Alpine	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-
Berkeley	4	4	100.0	-	-	-	100.0	-
Butte	3	3	100.0	-	33.3	-	66.7	-
Calaveras	-	-	-	-	-	-	-	-
Colusa	1	1	100.0	-	-	-	100.0	-
Contra Costa	79	78	98.7	-	1.3	3.8	92.3	2.6
Del Norte	-	-	-	-	-	-	-	-
El Dorado	4	4	100.0	-	-	-	100.0	-
Fresno	73	73	100.0	-	6.8	1.4	82.2	9.6
Glenn	1	1	100.0	-	-	-	100.0	-
Humboldt	-	-	-	-	-	-	-	-
Imperial	19	19	100.0	-	-	-	84.2	15.8
Inyo	-	-	-	-	-	-	-	-
Kern	50	49	98.0	-	-	-	100.0	-
Kings	5	5	100.0	-	-	-	100.0	-
Lake	2	2	100.0	-	-	-	100.0	-
Lassen	-	-	-	-	-	-	-	-
Long Beach	47	46	97.9	-	-	8.7	82.6	8.7
Los Angeles	778	756	97.2	0.3	1.9	2.4	90.3	5.2
Madera	20	20	100.0	10.0	-	-	90.0	-
Marin	6	6	100.0	-	-	-	100.0	-
Mariposa	-	-	-	-	-	-	-	-
Mendocino	4	4	100.0	-	-	-	100.0	-
Merced	5	5	100.0	-	-	-	100.0	-
Modoc	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-
Monterey	24	24	100.0	4.2	-	4.2	87.5	4.2
Napa	3	3	100.0	-	-	-	100.0	-
Nevada	3	3	100.0	-	-	-	100.0	-
Orange	207	206	99.5	-	1.0	1.9	90.3	6.8
Pasadena	6	5	83.3	-	-	-	100.0	-
Placer	2	2	100.0	-	-	-	100.0	-
Plumas	-	-	-	-	-	-	-	-
Riverside	79	77	97.5	-	5.2	2.6	89.6	2.6
Sacramento	109	108	99.1	-	-	-	97.2	2.8
San Benito	1	1	100.0	-	-	-	100.0	-
San Bernardino	72	72	100.0	-	1.4	2.8	83.3	12.5
San Diego	255	254	99.6	0.8	3.5	5.1	83.1	7.5
San Francisco	115	115	100.0	-	0.9	0.9	88.7	9.6
San Joaquin	66	66	100.0	-	-	1.5	97.0	1.5
San Luis Obispo	1	1	100.0	-	-	-	100.0	-
San Mateo	60	60	100.0	-	-	3.3	91.7	5.0
Santa Barbara	34	34	100.0	-	2.9	-	91.2	5.9
Santa Clara	197	194	98.5	-	1.5	3.6	90.7	4.1
Santa Cruz	9	9	100.0	-	-	-	100.0	-
Shasta	2	2	100.0	-	-	50.0	50.0	-
Sierra	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-
Solano	33	33	100.0	-	9.1	-	90.9	-
Sonoma	9	8	88.9	-	12.5	-	87.5	-
Stanislaus	21	21	100.0	-	9.5	-	81.0	9.5
Sutter	6	6	100.0	-	16.7	-	66.7	16.7
Tehama	1	1	100.0	-	-	-	100.0	-
Trinity	-	-	-	-	-	-	-	-
Tulare	33	33	100.0	-	9.1	3.0	81.8	6.1
Tuolumne	-	-	-	-	-	-	-	-
Ventura	63	63	100.0	4.8	1.6	-	93.7	-
Yolo	8	8	100.0	-	-	-	100.0	-
Yuba	5	5	100.0	-	-	-	80.0	20.0

* I=isoniazid; R=rifampin; Z=pyrazinamide; E=ethambutol; E/S=ethambutol and/or streptomycin; Other=all other combinations.

- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 27. Tuberculosis Cases by Type of Health Care Provider: Reporting Jurisdictions in California, 2006

Reporting Jurisdiction	Total Cases	Cases w/ Initial Drug Regimen Prescribed	Cases w/ Information on Type of Health Care Provider		Type of Health Care Provider					
					Health Department Only		Private/ Other Only		Both Health Dept. and Private/Other	
			No.	%	No.	%	No.	%	No.	%
California	**2,777**	**2,675**	**2,648**	**99.0**	**1,359**	**51.3**	**810**	**30.6**	**479**	**18.1**
Alameda	141	137	137	100.0	-	-	137	100.0	-	-
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-
Berkeley	5	5	5	100.0	1	20.0	-	-	4	80.0
Butte	3	3	3	100.0	-	-	2	66.7	1	33.3
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	2	2	2	100.0	-	-	1	50.0	1	50.0
Contra Costa	50	50	50	100.0	15	30.0	10	20.0	25	50.0
Del Norte	1	1	1	100.0	-	-	1	100.0	-	-
El Dorado	4	4	4	100.0	1	25.0	-	-	3	75.0
Fresno	62	62	61	98.4	47	77.0	8	13.1	6	9.8
Glenn	1	1	1	100.0	-	-	1	100.0	-	-
Humboldt	1	1	1	100.0	-	-	-	-	1	100.0
Imperial	33	27	27	100.0	18	66.7	5	18.5	4	14.8
Inyo	-	-	-	-	-	-	-	-	-	-
Kern	41	37	37	100.0	7	18.9	19	51.4	11	29.7
Kings	2	2	2	100.0	2	100.0	-	-	-	-
Lake	1	1	1	100.0	-	-	1	100.0	-	-
Lassen	-	-	-	-	-	-	-	-	-	-
Long Beach	39	39	38	97.4	26	68.4	9	23.7	3	7.9
Los Angeles	880	840	835	99.4	444	53.2	144	17.2	247	29.6
Madera	3	3	3	100.0	2	66.7	1	33.3	-	-
Marin	6	6	6	100.0	3	50.0	3	50.0	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	4	4	4	100.0	4	100.0	-	-	-	-
Merced	9	9	9	100.0	6	66.7	2	22.2	1	11.1
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	29	27	24	88.9	11	45.8	-	-	13	54.2
Napa	7	7	7	100.0	-	-	2	28.6	5	71.4
Nevada	2	2	2	100.0	-	-	1	50.0	1	50.0
Orange	226	219	216	98.6	176	81.5	10	4.6	30	13.9
Pasadena	7	7	7	100.0	6	85.7	1	14.3	-	-
Placer	6	6	6	100.0	3	50.0	3	50.0	-	-
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	74	70	69	98.6	51	73.9	8	11.6	10	14.5
Sacramento	97	95	94	98.9	67	71.3	15	16.0	12	12.8
San Benito	1	1	1	100.0	1	100.0	-	-	-	-
San Bernardino	58	54	53	98.1	32	60.4	8	15.1	13	24.5
San Diego	315	304	304	100.0	66	21.7	202	66.4	36	11.8
San Francisco	120	114	113	99.1	91	80.5	22	19.5	-	-
San Joaquin	78	75	70	93.3	43	61.4	21	30.0	6	8.6
San Luis Obispo	2	2	2	100.0	2	100.0	-	-	-	-
San Mateo	78	78	78	100.0	35	44.9	37	47.4	6	7.7
Santa Barbara	15	15	15	100.0	11	73.3	3	20.0	1	6.7
Santa Clara	228	221	219	99.1	112	51.1	98	44.7	9	4.1
Santa Cruz	6	5	5	100.0	3	60.0	2	40.0	-	-
Shasta	5	5	4	80.0	-	-	1	25.0	3	75.0
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	26	26	26	100.0	18	69.2	5	19.2	3	11.5
Sonoma	14	14	13	92.9	4	30.8	4	30.8	5	38.5
Stanislaus	16	15	15	100.0	2	13.3	2	13.3	11	73.3
Sutter	3	3	3	100.0	2	66.7	1	33.3	-	-
Tehama	2	2	2	100.0	-	-	1	50.0	1	50.0
Trinity	1	1	1	100.0	-	-	1	100.0	-	-
Tulare	21	21	20	95.2	16	80.0	3	15.0	1	5.0
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	49	49	49	100.0	31	63.3	12	24.5	6	12.2
Yolo	3	3	3	100.0	-	-	3	100.0	-	-
Yuba	-	-	-	-	-	-	-	-	-	-

- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 28. Tuberculosis Cases by Type of Therapy Administration: Reporting Jurisdictions in California, 2006

Reporting Jurisdiction	Total Cases	Cases w/ Initial Drug Regimen Prescribed	Cases w/ Information on Type of Therapy Administration		Type of Therapy Administration*					
					SAT Only		DOT Only		DOT and SAT	
			No.	%	No.	%	No.	%	No.	%
California	**2,777**	**2,675**	**2,639**	**98.7**	**428**	**16.2**	**1,631**	**61.8**	**580**	**22.0**
Alameda	141	137	137	100.0	58	42.3	67	48.9	12	8.8
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-
Berkeley	5	5	5	100.0	-	-	-	-	5	100.0
Butte	3	3	3	100.0	1	33.3	-	-	2	66.7
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	2	2	2	100.0	-	-	-	-	2	100.0
Contra Costa	50	50	49	98.0	12	24.5	28	57.1	9	18.4
Del Norte	1	1	1	100.0	1	100.0	-	-	-	-
El Dorado	4	4	4	100.0	-	-	1	25.0	3	75.0
Fresno	62	62	61	98.4	3	4.9	5	8.2	53	86.9
Glenn	1	1	1	100.0	-	-	-	-	1	100.0
Humboldt	1	1	1	100.0	-	-	1	100.0	-	-
Imperial	33	27	27	100.0	3	11.1	17	63.0	7	25.9
Inyo	-	-	-	-	-	-	-	-	-	-
Kern	41	37	36	97.3	2	5.6	9	25.0	25	69.4
Kings	2	2	2	100.0	-	-	-	-	2	100.0
Lake	1	1	1	100.0	1	100.0	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-
Long Beach	39	39	38	97.4	7	18.4	23	60.5	8	21.1
Los Angeles	880	840	833	99.2	166	19.9	666	80.0	1	0.1
Madera	3	3	3	100.0	-	-	2	66.7	1	33.3
Marin	6	6	6	100.0	1	16.7	1	16.7	4	66.7
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	4	4	4	100.0	-	-	4	100.0	-	-
Merced	9	9	9	100.0	1	11.1	3	33.3	5	55.6
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	29	27	24	88.9	-	-	20	83.3	4	16.7
Napa	7	7	7	100.0	1	14.3	2	28.6	4	57.1
Nevada	2	2	1	50.0	-	-	-	-	1	100.0
Orange	226	219	215	98.2	-	-	194	90.2	21	9.8
Pasadena	7	7	7	100.0	-	-	7	100.0	-	-
Placer	6	6	6	100.0	4	66.7	-	-	2	33.3
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	74	70	69	98.6	5	7.2	58	84.1	6	8.7
Sacramento	97	95	92	96.8	10	10.9	76	82.6	6	6.5
San Benito	1	1	1	100.0	-	-	1	100.0	-	-
San Bernardino	58	54	54	100.0	5	9.3	10	18.5	39	72.2
San Diego	315	304	304	100.0	8	2.6	196	64.5	100	32.9
San Francisco	120	114	113	99.1	32	28.3	75	66.4	6	5.3
San Joaquin	78	75	70	93.3	4	5.7	9	12.9	57	81.4
San Luis Obispo	2	2	2	100.0	-	-	1	50.0	1	50.0
San Mateo	78	78	77	98.7	19	24.7	30	39.0	28	36.4
Santa Barbara	15	15	15	100.0	-	-	15	100.0	-	-
Santa Clara	228	221	218	98.6	60	27.5	57	26.1	101	46.3
Santa Cruz	6	5	5	100.0	2	40.0	1	20.0	2	40.0
Shasta	5	5	4	80.0	-	-	1	25.0	3	75.0
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	26	26	26	100.0	2	7.7	4	15.4	20	76.9
Sonoma	14	14	13	92.9	1	7.7	12	92.3	-	-
Stanislaus	16	15	15	100.0	2	13.3	1	6.7	12	80.0
Sutter	3	3	3	100.0	-	-	1	33.3	2	66.7
Tehama	2	2	2	100.0	-	-	1	50.0	1	50.0
Trinity	1	1	1	100.0	-	-	-	-	1	100.0
Tulare	21	21	20	95.2	1	5.0	3	15.0	16	80.0
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	49	49	49	100.0	16	32.7	28	57.1	5	10.2
Yolo	3	3	3	100.0	-	-	1	33.3	2	66.7
Yuba	-	-	-	-	-	-	-	-	-	-

* SAT=self administered therapy; DOT=directly observed therapy.
- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 29. Tuberculosis Cases by AIDS Diagnosis (Dx)*: Reporting Jurisdictions in California, 2001-2007

	2001			2002			2003			2004			2005			2006			2007		
	Total Cases	AIDS Dx No.	AIDS Dx %	Total Cases	AIDS Dx No.	AIDS Dx %	Total Cases	AIDS Dx No.	AIDS Dx %	Total Cases	AIDS Dx No.	AIDS Dx %	Total Cases	AIDS Dx No.	AIDS Dx %	Total Cases	AIDS Dx No.	AIDS Dx %	Total Cases	AIDS Dx No.	AIDS Dx %
California	**3,329**	**200**	**6.0**	**3,172**	**182**	**5.7**	**3,218**	**197**	**6.1**	**2,991**	**134**	**4.5**	**2,900**	**147**	**5.1**	**2,778**	**128**	**4.6**	**2,724**	**125**	**4.6**
Alameda	196	9	4.6	199	4	2.0	174	7	4.0	143	2	1.4	154	6	3.9	141	3	2.1	149	14	9.4
Contra Costa	105	10	9.5	69	4	5.8	82	3	3.7	64	5	7.8	58	2	3.4	50	-	-	51	-	-
Fresno	97	3	3.1	99	4	4.0	115	5	4.3	102	2	2.0	69	3	4.3	62	2	3.2	41	1	2.4
Imperial	25	1	4.0	29	-	-	25	2	8.0	31	2	6.5	32	1	3.1	33	2	6.1	29	2	6.9
Kern	52	5	9.6	58	2	3.4	47	3	6.4	36	1	2.8	42	4	9.5	41	1	2.4	38	2	5.3
Long Beach	50	5	10.0	59	4	6.8	65	2	3.1	54	3	5.6	53	2	3.8	39	3	7.7	39	2	5.1
Los Angeles	1,042	78	7.5	1,020	75	7.4	946	72	7.6	928	56	6.0	904	57	6.3	880	41	4.7	815	44	5.4
Marin	15	1	6.7	12	1	8.3	17	-	-	13	-	-	10	-	-	6	-	-	16	2	12.5
Merced	15	-	-	17	-	-	16	-	-	8	-	-	8	-	-	9	-	-	5	-	-
Monterey	38	1	2.6	24	-	-	54	1	1.9	29	-	-	37	1	2.7	29	1	3.4	22	-	-
Orange	278	8	2.9	230	3	1.3	248	8	3.2	230	7	3.0	242	5	2.1	226	9	4.0	217	6	2.8
Pasadena	17	-	-	12	1	8.3	12	-	-	12	-	-	15	1	6.7	7	1	14.3	5	1	20.0
Riverside	66	5	7.6	68	4	5.9	74	1	1.4	75	-	-	60	3	5.0	74	1	1.4	80	2	2.5
Sacramento	130	6	4.6	104	-	-	151	4	2.6	158	3	1.9	142	3	2.1	97	2	2.1	109	4	3.7
San Bernardino	83	3	3.6	63	-	-	67	6	9.0	68	4	5.9	63	2	3.2	58	4	6.9	59	4	6.8
San Diego	331	33	10.0	326	32	9.8	316	45	14.2	320	26	8.1	305	29	9.5	315	28	8.9	280	19	6.8
San Francisco	182	14	7.7	146	29	19.9	162	16	9.9	135	16	11.9	132	11	8.3	120	11	9.2	143	9	6.3
San Joaquin	51	5	9.8	52	4	7.7	69	8	11.6	65	-	-	63	5	7.9	78	3	3.8	51	4	7.8
San Mateo	77	2	2.6	68	-	-	52	1	1.9	56	1	1.8	62	1	1.6	78	2	2.6	88	-	-
Santa Barbara	26	-	-	17	3	17.6	37	-	-	18	-	-	26	1	3.8	15	-	-	14	-	-
Santa Clara	214	3	1.4	258	6	2.3	226	4	1.8	202	3	1.5	199	4	2.0	228	10	4.4	241	4	1.7
Santa Cruz	7	-	-	6	-	-	9	-	-	9	-	-	10	-	-	6	-	-	10	-	-
Solano	35	1	2.9	26	1	3.8	29	1	3.4	42	-	-	38	-	-	27	-	-	37	-	-
Sonoma	10	1	10.0	17	1	5.9	15	2	13.3	21	1	4.8	11	1	9.1	14	-	-	13	-	-
Stanislaus	18	-	-	21	2	9.5	17	-	-	19	-	-	11	-	-	16	-	-	15	2	13.3
Tulare	15	1	6.7	19	-	-	16	1	6.3	20	-	-	15	-	-	21	1	4.8	25	-	-
Ventura	53	3	5.7	66	1	1.5	73	2	2.7	72	1	1.4	55	3	5.5	49	1	2.0	57	2	3.5
All Other Jurisdictions**	101	2	2.0	87	1	1.1	104	3	2.9	61	1	1.6	84	2	2.4	59	2	3.4	75	1	1.3

* Match found in AIDS Case Registry, California Office of AIDS.
** Reporting jurisdictions with fewer than 5 cases in any year (2001-2007)
- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 30. Tuberculosis Cases Among Residents of Correctional Facilities*: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Cases	Cases with Information on Residence in a Correctional Facility		Cases Diagnosed in Correctional Facility		Type of Correctional Facility									
						Federal Prison		State Prison		Local Jail		Juvenile Facility		Other/Unknown	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	**2,695**	**2,693**	**99.9**	**86**	**3.2**	**14**	**16.3**	**10**	**11.6**	**52**	**60.5**	**3**	**3.5**	**7**	**8.1**
Alameda	134	133	99.3	1	0.8	-	-	-	-	1	100.0	-	-	-	-
Contra Costa	79	79	100.0	1	1.3	-	-	-	-	1	100.0	-	-	-	-
Fresno	73	73	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Imperial	19	19	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Kern	50	50	100.0	4	8.0	1	25.0	2	50.0	-	-	-	-	1	25.0
Kings	5	5	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Long Beach	47	47	100.0	1	2.1	-	-	-	-	1	100.0	-	-	-	-
Los Angeles	792	792	100.0	16	2.0	-	-	-	-	15	93.8	-	-	1	6.3
Madera	20	20	100.0	3	15.0	-	-	3	100.0	-	-	-	-	-	-
Marin	6	6	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Merced	5	5	100.0	1	20.0	-	-	-	-	1	100.0	-	-	-	-
Monterey	24	24	100.0	2	8.3	-	-	-	-	2	100.0	-	-	-	-
Orange	209	209	100.0	5	2.4	-	-	-	-	5	100.0	-	-	-	-
Pasadena	6	6	100.0	1	16.7	-	-	-	-	1	100.0	-	-	-	-
Riverside	79	79	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Sacramento	110	110	100.0	2	1.8	-	-	1	50.0	1	50.0	-	-	-	-
San Bernardino	74	74	100.0	2	2.7	2	100.0	-	-	-	-	-	-	-	-
San Diego	264	264	100.0	30	11.4	11	36.7	1	3.3	12	40.0	1	3.3	5	16.7
San Francisco	118	118	100.0	1	0.8	-	-	-	-	1	100.0	-	-	-	-
San Joaquin	66	66	100.0	1	1.5	-	-	1	100.0	-	-	-	-	-	-
San Mateo	63	62	98.4	1	1.6	-	-	-	-	1	100.0	-	-	-	-
Santa Barbara	34	34	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Santa Clara	197	197	100.0	1	0.5	-	-	-	-	1	100.0	-	-	-	-
Santa Cruz	9	9	100.0	2	22.2	-	-	-	-	2	100.0	-	-	-	-
Solano	33	33	100.0	3	9.1	-	-	2	66.7	-	-	1	33.3	-	-
Sonoma	9	9	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Stanislaus	21	21	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Sutter	6	6	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Tulare	33	33	100.0	2	6.1	-	-	-	-	2	100.0	-	-	-	-
Ventura	65	65	100.0	4	6.2	-	-	-	-	3	75.0	1	25.0	-	-
Yolo	8	8	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Yuba	5	5	100.0	2	40.0	-	-	-	-	2	100.0	-	-	-	-
All Other Jurisdictions**	32	32	100.0	-	-	-	-	-	-	-	-	-	-	-	-

* Residence in correctional facility at the time of diagnosis.

\- Indicates zero cases or zero percent.

** Reporting jurisdictions with fewer than 5 cases.

Table 31. Tuberculosis Cases by Homeless Status*: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Cases	Cases with Information on Homeless Status		Cases with Homeless Status	
		No.	%	No.	%
California	**2,695**	**2,682**	**99.5**	**161**	**6.0**
Alameda	134	134	100.0	2	1.5
Contra Costa	79	79	100.0	5	6.3
Fresno	73	73	100.0	2	2.7
Imperial	19	19	100.0	2	10.5
Kern	50	50	100.0	6	12.0
Kings	5	5	100.0	1	20.0
Long Beach	47	47	100.0	5	10.6
Los Angeles	792	787	99.4	55	7.0
Madera	20	20	100.0	1	5.0
Marin	6	6	100.0	-	-
Merced	5	5	100.0	1	20.0
Monterey	24	24	100.0	2	8.3
Orange	209	209	100.0	2	1.0
Pasadena	6	6	100.0	1	16.7
Riverside	79	79	100.0	-	-
Sacramento	110	109	99.1	7	6.4
San Bernardino	74	74	100.0	-	-
San Diego	264	262	99.2	9	3.4
San Francisco	118	118	100.0	12	10.2
San Joaquin	66	64	97.0	15	23.4
San Mateo	63	62	98.4	3	4.8
Santa Barbara	34	34	100.0	14	41.2
Santa Clara	197	197	100.0	2	1.0
Santa Cruz	9	9	100.0	3	33.3
Solano	33	33	100.0	-	-
Sonoma	9	9	100.0	-	-
Stanislaus	21	21	100.0	1	4.8
Sutter	6	6	100.0	-	-
Tulare	33	31	93.9	3	9.7
Ventura	65	65	100.0	7	10.8
Yolo	8	8	100.0	-	-
Yuba	5	5	100.0	-	-
All Other Jurisdictions**	32	32	100.0	-	-

* Homeless within past 12 months.
- Indicates zero cases or zero percent.
** Reporting jurisdictions with fewer than five cases.

California Department of Public Health, Tuberculosis Control Branch

Table 32. Tuberculosis Cases Among Persons in Long-term Care Facilities*: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Cases	Cases with Information on Residence in Long-term Care Facility		Cases Diagnosed in a Long-term Care Facility**	
		No.	%	No.	%
California	**2,695**	**2,695**	**100.0**	**58**	**2.2**
Alameda	134	134	100.0	2	1.5
Contra Costa	79	79	100.0	2	2.5
Fresno	73	73	100.0	2	2.7
Imperial	19	19	100.0	-	-
Kern	50	50	100.0	1	2.0
Kings	5	5	100.0	-	-
Long Beach	47	47	100.0	-	-
Los Angeles	792	792	100.0	10	1.3
Madera	20	20	100.0	-	-
Marin	6	6	100.0	-	-
Merced	5	5	100.0	-	-
Monterey	24	24	100.0	-	-
Orange	209	209	100.0	3	1.4
Pasadena	6	6	100.0	1	16.7
Riverside	79	79	100.0	1	1.3
Sacramento	110	110	100.0	1	0.9
San Bernardino	74	74	100.0	-	-
San Diego	264	264	100.0	8	3.0
San Francisco	118	118	100.0	5	4.2
San Joaquin	66	66	100.0	3	4.5
San Mateo	63	63	100.0	1	1.6
Santa Barbara	34	34	100.0	2	5.9
Santa Clara	197	197	100.0	5	2.5
Santa Cruz	9	9	100.0	-	-
Solano	33	33	100.0	1	3.0
Sonoma	9	9	100.0	1	11.1
Stanislaus	21	21	100.0	1	4.8
Sutter	6	6	100.0	-	-
Tulare	33	33	100.0	1	3.0
Ventura	65	65	100.0	3	4.6
Yolo	8	8	100.0	4	50.0
Yuba	5	5	100.0	-	-
All Other Jurisdictions***	32	32	100.0	-	-

* Residence in long-term care facility at time of diagnosis.
** Percentage not reported when information is available for less than 75 percent of cases.
- Indicates zero cases or zero percent.
***Reporting jurisdictions with fewer than 5 cases.

California Department of Public Health, Tuberculosis Control Branch

Table 33. Tuberculosis Cases Among Persons Using Injecting Drugs*: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Cases	Cases with Information on Injecting Drug Use		Cases with Injecting Drug Use**	
		No.	%	No.	%
California	**2,695**	**2,637**	**97.8**	**37**	**1.4**
Alameda	134	133	99.3	3	2.3
Contra Costa	79	78	98.7	2	2.6
Fresno	73	73	100.0	-	-
Imperial	19	19	100.0	-	-
Kern	50	49	98.0	-	-
Kings	5	5	100.0	-	-
Long Beach	47	46	97.9	-	-
Los Angeles	792	767	96.8	14	1.8
Madera	20	20	100.0	1	5.0
Marin	6	6	100.0	-	-
Merced	5	3	60.0	-	-
Monterey	24	24	100.0	-	-
Orange	209	208	99.5	1	0.5
Pasadena	6	4	66.7	-	-
Riverside	79	78	98.7	-	-
Sacramento	110	107	97.3	2	1.9
San Bernardino	74	74	100.0	-	-
San Diego	264	264	100.0	6	2.3
San Francisco	118	116	98.3	3	2.6
San Joaquin	66	64	97.0	4	6.3
San Mateo	63	62	98.4	-	-
Santa Barbara	34	34	100.0	-	-
Santa Clara	197	192	97.5	1	0.5
Santa Cruz	9	9	100.0	-	-
Solano	33	31	93.9	-	-
Sonoma	9	9	100.0	-	-
Stanislaus	21	20	95.2	-	-
Sutter	6	6	100.0	-	-
Tulare	33	29	87.9	-	-
Ventura	65	65	100.0	-	-
Yolo	8	8	100.0	-	-
Yuba	5	5	100.0	-	-
All Other Jurisdictions***	32	29	90.6	-	-

* Injecting drug use within past 12 months.
** Percentage not reported when information is available for less than 75 percent of cases.
- Indicates zero cases or zero pecent.
*** Reporting jurisdictions with fewer than 5 cases.

California Department of Public Health, Tuberculosis Control Branch

Table 34. Tuberculosis Cases Among Persons Using Non-injecting Drugs*: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Cases	Cases with Information on Non-injecting Drug Use		Cases with Non-injecting Drug Use**	
		No.	%	No.	%
California	**2,695**	**2,628**	**97.5**	**176**	**6.7**
Alameda	134	133	99.3	6	4.5
Contra Costa	79	78	98.7	5	6.4
Fresno	73	70	95.9	4	5.7
Imperial	19	19	100.0	3	15.8
Kern	50	49	98.0	7	14.3
Kings	5	4	80.0	1	25.0
Long Beach	47	46	97.9	-	-
Los Angeles	792	770	97.2	52	6.8
Madera	20	20	100.0	4	20.0
Marin	6	6	100.0	-	-
Merced	5	3	60.0	-	-
Monterey	24	23	95.8	-	-
Orange	209	208	99.5	4	1.9
Pasadena	6	4	66.7	1	-
Riverside	79	78	98.7	-	-
Sacramento	110	107	97.3	7	6.5
San Bernardino	74	70	94.6	1	1.4
San Diego	264	264	100.0	32	12.1
San Francisco	118	116	98.3	12	10.3
San Joaquin	66	63	95.5	7	11.1
San Mateo	63	61	96.8	4	6.6
Santa Barbara	34	34	100.0	6	17.6
Santa Clara	197	193	98.0	5	2.6
Santa Cruz	9	9	100.0	2	22.2
Solano	33	30	90.9	-	-
Sonoma	9	9	100.0	-	-
Stanislaus	21	20	95.2	2	10.0
Sutter	6	6	100.0	1	16.7
Tulare	33	30	90.9	5	16.7
Ventura	65	65	100.0	3	4.6
Yolo	8	8	100.0	-	-
Yuba	5	5	100.0	1	20.0
All Other Jurisdictions***	32	27	84.4	1	3.7

* Non-injecting drug use within past 12 months.
** Percentage not reported when information is available for less than 75 percent of cases.
- Indicates zero cases or zero percent.
*** Reporting jurisdictions with fewer than 5 cases.

California Department of Public Health, Tuberculosis Control Branch

Table 35. Tuberculosis Cases Among Persons Using Excess Alcohol*: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Cases	Cases with Information on Excess Alcohol Use		Cases with Excess Alcohol Use**	
		No.	%	No.	%
California	**2,695**	**2,641**	**98.0**	**257**	**9.7**
Alameda	134	133	99.3	8	6.0
Contra Costa	79	78	98.7	7	9.0
Fresno	73	72	98.6	5	6.9
Imperial	19	19	100.0	5	26.3
Kern	50	49	98.0	11	22.4
Kings	5	5	100.0	1	20.0
Long Beach	47	46	97.9	1	2.2
Los Angeles	792	771	97.3	74	9.6
Madera	20	20	100.0	4	20.0
Marin	6	6	100.0	1	16.7
Merced	5	3	60.0	-	-
Monterey	24	24	100.0	3	12.5
Orange	209	209	100.0	9	4.3
Pasadena	6	5	83.3	2	40.0
Riverside	79	79	100.0	1	1.3
Sacramento	110	108	98.2	12	11.1
San Bernardino	74	72	97.3	1	1.4
San Diego	264	264	100.0	39	14.8
San Francisco	118	116	98.3	15	12.9
San Joaquin	66	65	98.5	18	27.7
San Mateo	63	61	96.8	3	4.9
Santa Barbara	34	34	100.0	11	32.4
Santa Clara	197	194	98.5	10	5.2
Santa Cruz	9	9	100.0	3	33.3
Solano	33	29	87.9	1	3.4
Sonoma	9	9	100.0	-	-
Stanislaus	21	21	100.0	1	4.8
Sutter	6	6	100.0	-	-
Tulare	33	29	87.9	1	3.4
Ventura	65	64	98.5	7	10.9
Yolo	8	8	100.0	-	-
Yuba	5	5	100.0	1	20.0
All Other Jurisdictions***	32	28	87.5	2	7.1

* Excess alcohol use within the past 12 months.
** Percentage not reported when information is available for less than 75 percent of cases.
- Indicates zero cases or zero percent.
*** Reporting jurisdictions with fewer than 5 cases.

California Department of Public Health, Tuberculosis Control Branch

Table 36. Tuberculosis Cases by Occupation*: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Cases	Cases with Information on Occupation		Occupation**									
				Not Employed		Health Care Worker		Correctional Employee		Migrant Worker		Other Occupation	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	**2,695**	**2,590**	**96.1**	**1,525**	**58.9**	**83**	**3.2**	**2**	**0.1**	**43**	**1.7**	**938**	**36.2**
Alameda	134	131	97.8	50	38.2	5	3.8	-	-	-	-	76	58.0
Contra Costa	79	78	98.7	43	55.1	3	3.8	-	-	-	-	32	41.0
Fresno	73	72	98.6	49	68.1	-	-	-	-	8	11.1	15	20.8
Imperial	19	18	94.7	10	55.6	1	5.6	-	-	3	16.7	4	22.2
Kern	50	49	98.0	25	51.0	-	-	-	-	5	10.2	19	38.8
Kings	5	5	100.0	3	60.0	-	-	-	-	1	20.0	1	20.0
Long Beach	47	47	100.0	24	51.1	-	-	-	-	-	-	23	48.9
Los Angeles	792	775	97.9	526	67.9	22	2.8	1	0.1	-	-	226	29.2
Madera	20	20	100.0	11	55.0	1	5.0	-	-	1	5.0	7	35.0
Marin	6	6	100.0	2	33.3	1	16.7	-	-	-	-	3	50.0
Merced	5	4	80.0	3	75.0	-	-	-	-	1	25.0	-	-
Monterey	24	22	91.7	12	54.5	1	4.5	-	-	4	18.2	5	22.7
Orange	209	209	100.0	102	48.8	10	4.8	-	-	-	-	97	46.4
Pasadena	6	6	100.0	4	66.7	-	-	-	-	-	-	2	33.3
Riverside	79	70	88.6	43	61.4	2	2.9	-	-	2	2.9	23	32.9
Sacramento	110	81	73.6	59	-	1	-	1	-	-	-	20	-
San Bernardino	74	64	86.5	33	51.6	3	4.7	-	-	-	-	28	43.8
San Diego	264	261	98.9	140	53.6	5	1.9	-	-	-	-	116	44.4
San Francisco	118	118	100.0	77	65.3	4	3.4	-	-	-	-	37	31.4
San Joaquin	66	64	97.0	51	79.7	1	1.6	-	-	3	4.7	10	15.6
San Mateo	63	60	95.2	35	58.3	5	8.3	-	-	-	-	20	33.3
Santa Barbara	34	34	100.0	25	73.5	1	2.9	-	-	1	2.9	7	20.6
Santa Clara	197	188	95.4	95	50.5	10	5.3	-	-	-	-	83	44.1
Santa Cruz	9	9	100.0	5	55.6	-	-	-	-	-	-	4	44.4
Solano	33	23	69.7	15	-	1	-	-	-	-	-	7	-
Sonoma	9	9	100.0	6	66.7	1	11.1	-	-	-	-	2	22.2
Stanislaus	21	21	100.0	8	38.1	1	4.8	-	-	2	9.5	10	47.6
Sutter	6	6	100.0	2	33.3	1	16.7	-	-	1	16.7	2	33.3
Tulare	33	31	93.9	21	67.7	-	-	-	-	4	12.9	6	19.4
Ventura	65	65	100.0	24	36.9	2	3.1	-	-	6	9.2	33	50.8
Yolo	8	8	100.0	7	87.5	-	-	-	-	-	-	1	12.5
Yuba	5	4	80.0	2	50.0	-	-	-	-	-	-	2	50.0
All Other Jurisdictions***	32	32	100.0	13	40.6	1	3.1	-	-	1	3.1	17	53.1

* Occupation within past 24 months.
** Percentage not reported when information is available for less than 75 percent of cases. A case may report more than one occupation.
- Indicates zero cases or zero percent.
*** Reporting jurisdictions with fewer than 5 cases.

California Department of Public Health, Tuberculosis Control Branch

Table 37. Tuberculosis Cases by Initial Drug Susceptibility Testing: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Cases	Total Culture Positive Cases	Cases with Initial Drug Susceptibility Testing	
			No.	%
California	**2,695**	**2,158**	**2,054**	**95.2**
Alameda	134	99	99	100.0
Alpine	-	-	-	-
Amador	-	-	-	-
Berkeley	4	3	3	100.0
Butte	3	3	3	100.0
Calaveras	-	-	-	-
Colusa	1	-	-	-
Contra Costa	79	62	61	98.4
Del Norte	-	-	-	-
El Dorado	4	3	2	66.7
Fresno	73	58	54	93.1
Glenn	1	1	1	100.0
Humboldt	-	-	-	-
Imperial	19	16	16	100.0
Inyo	-	-	-	-
Kern	50	46	40	87.0
Kings	5	4	3	75.0
Lake	2	2	2	100.0
Lassen	-	-	-	-
Long Beach	47	40	40	100.0
Los Angeles	792	631	570	90.3
Madera	20	12	11	91.7
Marin	6	4	4	100.0
Mariposa	-	-	-	-
Mendocino	4	3	3	100.0
Merced	5	5	5	100.0
Modoc	-	-	-	-
Mono	-	-	-	-
Monterey	24	17	15	88.2
Napa	3	3	3	100.0
Nevada	3	2	2	100.0
Orange	209	187	185	98.9
Pasadena	6	5	3	60.0
Placer	2	1	1	100.0
Plumas	-	-	-	-
Riverside	79	70	65	92.9
Sacramento	110	69	68	98.6
San Benito	1	1	1	100.0
San Bernardino	74	68	64	94.1
San Diego	264	226	226	100.0
San Francisco	118	93	93	100.0
San Joaquin	66	49	49	100.0
San Luis Obispo	1	1	1	100.0
San Mateo	63	53	50	94.3
Santa Barbara	34	32	32	100.0
Santa Clara	197	164	160	97.6
Santa Cruz	9	5	5	100.0
Shasta	2	2	2	100.0
Sierra	-	-	-	-
Siskiyou	-	-	-	-
Solano	33	20	19	95.0
Sonoma	9	8	7	87.5
Stanislaus	21	20	19	95.0
Sutter	6	6	6	100.0
Tehama	1	1	-	-
Trinity	-	-	-	-
Tulare	33	19	19	100.0
Tuolumne	-	-	-	-
Ventura	65	37	35	94.6
Yolo	8	4	4	100.0
Yuba	5	3	3	100.0

- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 38. Tuberculosis Cases by Resistance to Isoniazid and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Culture Positive Cases	All Cases*			No Prior TB			Prior TB		
		No. with INH** Susceptibility Testing	Cases with Resistance to INH		No. with INH Susceptibility Testing	Cases with Resistance to INH		No. with INH Susceptibility Testing	Cases with Resistance to INH	
			No.	%		No.	%		No.	%
California	**2,158**	**2,054**	**216**	**10.5**	**1,907**	**193**	**10.1**	**112**	**21**	**18.8**
Alameda	99	99	14	14.1	91	13	14.3	4	-	-
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-
Berkeley	3	3	-	-	3	-	-	-	-	-
Butte	3	3	-	-	3	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-	-	-	-
Contra Costa	62	61	9	14.8	57	7	12.3	4	2	50.0
Del Norte	-	-	-	-	-	-	-	-	-	-
El Dorado	3	2	-	-	1	-	-	1	-	-
Fresno	58	54	9	16.7	53	9	17.0	1	-	-
Glenn	1	1	-	-	-	-	-	1	-	-
Humboldt	-	-	-	-	-	-	-	-	-	-
Imperial	16	16	2	12.5	12	2	16.7	2	-	-
Inyo	-	-	-	-	-	-	-	-	-	-
Kern	46	40	2	5.0	38	2	5.3	-	-	-
Kings	4	3	-	-	3	-	-	-	-	-
Lake	2	2	-	-	2	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-
Long Beach	40	40	7	17.5	37	7	18.9	2	-	-
Los Angeles	631	570	52	9.1	526	44	8.4	35	7	20.0
Madera	12	11	-	-	11	-	-	-	-	-
Marin	4	4	1	25.0	3	1	33.3	1	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	3	3	-	-	3	-	-	-	-	-
Merced	5	5	-	-	5	-	-	-	-	-
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	17	15	-	-	15	-	-	-	-	-
Napa	3	3	-	-	3	-	-	-	-	-
Nevada	2	2	-	-	2	-	-	-	-	-
Orange	187	185	22	11.9	174	20	11.5	10	2	20.0
Pasadena	5	3	-	-	3	-	-	-	-	-
Placer	1	1	-	-	1	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	70	65	7	10.8	59	7	11.9	1	-	-
Sacramento	69	68	6	8.8	62	4	6.5	5	2	40.0
San Benito	1	1	-	-	1	-	-	-	-	-
San Bernardino	68	64	4	6.3	57	2	3.5	7	2	28.6
San Diego	226	226	27	11.9	211	25	11.8	14	2	14.3
San Francisco	93	93	5	5.4	84	4	4.8	9	1	11.1
San Joaquin	49	49	6	12.2	48	6	12.5	1	-	-
San Luis Obispo	1	1	-	-	1	-	-	-	-	-
San Mateo	53	50	6	12.0	43	4	9.3	2	2	100.0
Santa Barbara	32	32	3	9.4	31	3	9.7	1	-	-
Santa Clara	164	160	27	16.9	151	26	17.2	6	1	16.7
Santa Cruz	5	5	-	-	4	-	-	-	-	-
Shasta	2	2	-	-	2	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	20	19	3	15.8	18	3	16.7	1	-	-
Sonoma	8	7	-	-	7	-	-	-	-	-
Stanislaus	20	19	-	-	15	-	-	4	-	-
Sutter	6	6	-	-	6	-	-	-	-	-
Tehama	1	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	19	19	2	10.5	19	2	10.5	-	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	37	35	1	2.9	35	1	2.9	-	-	-
Yolo	4	4	-	-	4	-	-	-	-	-
Yuba	3	3	1	33.3	3	1	33.3	-	-	-

* Sum of cases with prior TB and without prior TB may not equal all cases due to inclusion of those with unknown history of TB.

** INH=isoniazid

- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 39. Tuberculosis Cases by Resistance to Rifampin and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Culture Positive Cases	All Cases*			No Prior TB			Prior TB		
		No. with RIF** Susceptibility Testing	Cases with Resistance to RIF		No. with RIF Susceptibility Testing	Cases with Resistance to RIF		No. with RIF Susceptibility Testing	Cases with Resistance to RIF	
			No.	%		No.	%		No.	%
California	**2,158**	**2,053**	**36**	**1.8**	**1,906**	**27**	**1.4**	**112**	**8**	**7.1**
Alameda	99	99	3	3.0	91	2	2.2	4	-	-
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-
Berkeley	3	3	-	-	3	-	-	-	-	-
Butte	3	3	-	-	3	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-	-	-	-
Contra Costa	62	61	1	1.6	57	-	-	4	1	25.0
Del Norte	-	-	-	-	-	-	-	-	-	-
El Dorado	3	2	-	-	1	-	-	1	-	-
Fresno	58	54	4	7.4	53	4	7.5	1	-	-
Glenn	1	1	-	-	-	-	-	1	-	-
Humboldt	-	-	-	-	-	-	-	-	-	-
Imperial	16	16	-	-	12	-	-	2	-	-
Inyo	-	-	-	-	-	-	-	-	-	-
Kern	46	40	1	2.5	38	1	2.6	-	-	-
Kings	4	3	-	-	3	-	-	-	-	-
Lake	2	2	-	-	2	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-
Long Beach	40	40	1	2.5	37	1	2.7	2	-	-
Los Angeles	631	570	7	1.2	526	5	1.0	35	2	5.7
Madera	12	11	-	-	11	-	-	-	-	-
Marin	4	4	-	-	3	-	-	1	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	3	3	-	-	3	-	-	-	-	-
Merced	5	5	-	-	5	-	-	-	-	-
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	17	14	-	-	14	-	-	-	-	-
Napa	3	3	-	-	3	-	-	-	-	-
Nevada	2	2	-	-	2	-	-	-	-	-
Orange	187	185	2	1.1	174	2	1.1	10	-	-
Pasadena	5	3	-	-	3	-	-	-	-	-
Placer	1	1	-	-	1	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	70	65	-	-	59	-	-	1	-	-
Sacramento	69	68	4	5.9	62	1	1.6	5	3	60.0
San Benito	1	1	-	-	1	-	-	-	-	-
San Bernardino	68	64	-	-	57	-	-	7	-	-
San Diego	226	226	4	1.8	211	4	1.9	14	-	-
San Francisco	93	93	2	2.2	84	1	1.2	9	1	11.1
San Joaquin	49	49	1	2.0	48	1	2.1	1	-	-
San Luis Obispo	1	1	-	-	1	-	-	-	-	-
San Mateo	53	50	1	2.0	43	-	-	2	1	50.0
Santa Barbara	32	32	-	-	31	-	-	1	-	-
Santa Clara	164	160	3	1.9	151	3	2.0	6	-	-
Santa Cruz	5	5	-	-	4	-	-	-	-	-
Shasta	2	2	-	-	2	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	20	19	-	-	18	-	-	1	-	-
Sonoma	8	7	-	-	7	-	-	-	-	-
Stanislaus	20	19	-	-	15	-	-	4	-	-
Sutter	6	6	-	-	6	-	-	-	-	-
Tehama	1	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	19	19	1	5.3	19	1	5.3	-	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	37	35	-	-	35	-	-	-	-	-
Yolo	4	4	-	-	4	-	-	-	-	-
Yuba	3	3	1	33.3	3	1	33.3	-	-	-

* Sum of cases with prior TB and without prior TB may not equal all cases due to inclusion of those with unknown history of TB.
** RIF=rifampin
- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 40. Tuberculosis Cases by Resistance to Ethambutol and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Culture Positive Cases	All Cases*			No Prior TB			Prior TB		
		No. with EMB** Susceptibility Testing	Cases with Resistance to EMB		No. with EMB Susceptibility Testing	Cases with Resistance to EMB		No. with EMB Susceptibility Testing	Cases with Resistance to EMB	
			No.	%		No.	%		No.	%
California	**2,158**	**2,046**	**26**	**1.3**	**1,900**	**23**	**1.2**	**111**	**3**	**2.7**
Alameda	99	99	2	2.0	91	2	2.2	4	-	-
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-
Berkeley	3	3	-	-	3	-	-	-	-	-
Butte	3	3	-	-	3	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-	-	-	-
Contra Costa	62	61	2	3.3	57	1	1.8	4	1	25.0
Del Norte	-	-	-	-	-	-	-	-	-	-
El Dorado	3	2	-	-	1	-	-	1	-	-
Fresno	58	51	4	7.8	50	4	8.0	1	-	-
Glenn	1	1	-	-	-	-	-	1	-	-
Humboldt	-	-	-	-	-	-	-	-	-	-
Imperial	16	16	-	-	12	-	-	2	-	-
Inyo	-	-	-	-	-	-	-	-	-	-
Kern	46	40	-	-	38	-	-	-	-	-
Kings	4	2	-	-	2	-	-	-	-	-
Lake	2	2	-	-	2	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-
Long Beach	40	39	1	2.6	36	1	2.8	2	-	-
Los Angeles	631	569	7	1.2	525	6	1.1	35	1	2.9
Madera	12	11	-	-	11	-	-	-	-	-
Marin	4	4	-	-	3	-	-	1	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	3	3	-	-	3	-	-	-	-	-
Merced	5	5	-	-	5	-	-	-	-	-
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	17	15	-	-	15	-	-	-	-	-
Napa	3	3	-	-	3	-	-	-	-	-
Nevada	2	2	-	-	2	-	-	-	-	-
Orange	187	185	1	0.5	174	1	0.6	10	-	-
Pasadena	5	3	-	-	3	-	-	-	-	-
Placer	1	1	-	-	1	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	70	65	-	-	59	-	-	1	-	-
Sacramento	69	68	2	2.9	62	1	1.6	5	1	20.0
San Benito	1	1	-	-	1	-	-	-	-	-
San Bernardino	68	64	-	-	57	-	-	7	-	-
San Diego	226	226	2	0.9	211	2	0.9	14	-	-
San Francisco	93	93	-	-	84	-	-	9	-	-
San Joaquin	49	49	1	2.0	48	1	2.1	1	-	-
San Luis Obispo	1	1	-	-	1	-	-	-	-	-
San Mateo	53	49	-	-	43	-	-	1	-	-
Santa Barbara	32	32	-	-	31	-	-	1	-	-
Santa Clara	164	160	2	1.3	151	2	1.3	6	-	-
Santa Cruz	5	5	-	-	4	-	-	-	-	-
Shasta	2	2	-	-	2	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	20	18	1	5.6	17	1	5.9	1	-	-
Sonoma	8	7	-	-	7	-	-	-	-	-
Stanislaus	20	19	-	-	15	-	-	4	-	-
Sutter	6	6	-	-	6	-	-	-	-	-
Tehama	1	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	19	19	-	-	19	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	37	35	-	-	35	-	-	-	-	-
Yolo	4	4	-	-	4	-	-	-	-	-
Yuba	3	3	1	33.3	3	1	33.3	-	-	-

* Sum of cases with prior TB and without prior TB may not equal all cases due to inclusion of those with unknown history of TB.

** EMB=ethambutol

- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 41. Tuberculosis Cases by Resistance to Pyrazinamide and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Culture Positive Cases	All Cases*			No Prior TB			Prior TB		
		No. with PZA** Susceptibility Testing	Cases with Resistance to PZA		No. with PZA Susceptibility Testing	Cases with Resistance to PZA		No. with PZA Susceptibility Testing	Cases with Resistance to PZA	
			No.	%		No.	%		No.	%
California	**2,158**	**2,018**	**106**	**5.3**	**1,875**	**100**	**5.3**	**109**	**4**	**3.7**
Alameda	99	97	5	5.2	89	4	4.5	4	-	-
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-
Berkeley	3	3	-	-	3	-	-	-	-	-
Butte	3	3	-	-	3	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-	-	-	-
Contra Costa	62	61	3	4.9	57	2	3.5	4	1	25.0
Del Norte	-	-	-	-	-	-	-	-	-	-
El Dorado	3	2	-	-	1	-	-	1	-	-
Fresno	58	53	2	3.8	52	2	3.8	1	-	-
Glenn	1	1	-	-	-	-	-	1	-	-
Humboldt	-	-	-	-	-	-	-	-	-	-
Imperial	16	16	-	-	12	-	-	2	-	-
Inyo	-	-	-	-	-	-	-	-	-	-
Kern	46	40	1	2.5	38	1	2.6	-	-	-
Kings	4	2	-	-	2	-	-	-	-	-
Lake	2	2	1	50.0	2	1	50.0	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-
Long Beach	40	40	1	2.5	37	1	2.7	2	-	-
Los Angeles	631	559	33	5.9	517	33	6.4	33	-	-
Madera	12	3	-	-	3	-	-	-	-	-
Marin	4	4	-	-	3	-	-	1	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	3	3	-	-	3	-	-	-	-	-
Merced	5	3	-	-	3	-	-	-	-	-
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	17	15	1	6.7	15	1	6.7	-	-	-
Napa	3	3	-	-	3	-	-	-	-	-
Nevada	2	2	-	-	2	-	-	-	-	-
Orange	187	184	11	6.0	173	11	6.4	10	-	-
Pasadena	5	3	-	-	3	-	-	-	-	-
Placer	1	1	-	-	1	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	70	65	5	7.7	59	4	6.8	1	-	-
Sacramento	69	68	4	5.9	62	2	3.2	5	2	40.0
San Benito	1	1	-	-	1	-	-	-	-	-
San Bernardino	68	60	5	8.3	53	5	9.4	7	-	-
San Diego	226	226	21	9.3	211	20	9.5	14	1	7.1
San Francisco	93	93	-	-	84	-	-	9	-	-
San Joaquin	49	49	2	4.1	48	2	4.2	1	-	-
San Luis Obispo	1	1	-	-	1	-	-	-	-	-
San Mateo	53	48	1	2.1	42	1	2.4	1	-	-
Santa Barbara	32	32	1	3.1	31	1	3.2	1	-	-
Santa Clara	164	156	7	4.5	148	7	4.7	6	-	-
Santa Cruz	5	5	-	-	4	-	-	-	-	-
Shasta	2	2	-	-	2	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	20	19	-	-	18	-	-	1	-	-
Sonoma	8	7	1	14.3	7	1	14.3	-	-	-
Stanislaus	20	19	-	-	15	-	-	4	-	-
Sutter	6	6	-	-	6	-	-	-	-	-
Tehama	1	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	19	19	1	5.3	19	1	5.3	-	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	37	35	-	-	35	-	-	-	-	-
Yolo	4	4	-	-	4	-	-	-	-	-
Yuba	3	3	-	-	3	-	-	-	-	-

* Sum of cases with prior TB and without prior TB may not equal all cases due to inclusion of those with unknown history of TB.
** PZA=pyrazinamide
- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 42. Tuberculosis Cases by Resistance to Streptomycin and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Culture Positive Cases	All Cases*			No Prior TB			Prior TB		
		No. with SM** Susceptibility Testing	Cases with Resistance to SM		No. with SM Susceptibility Testing	Cases with Resistance to SM		No. with SM Susceptibility Testing	Cases with Resistance to SM	
			No.	%		No.	%		No.	%
California	**2,158**	**1,348**	**145**	**10.8**	**1,248**	**130**	**10.4**	**75**	**14**	**18.7**
Alameda	99	67	7	10.4	63	6	9.5	2	-	-
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-
Berkeley	3	-	-	-	-	-	-	-	-	-
Butte	3	-	-	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-	-	-	-
Contra Costa	62	47	5	10.6	44	4	9.1	3	1	33.3
Del Norte	-	-	-	-	-	-	-	-	-	-
El Dorado	3	-	-	-	-	-	-	-	-	-
Fresno	58	45	9	20.0	45	9	20.0	-	-	-
Glenn	1	1	-	-	-	-	-	1	-	-
Humboldt	-	-	-	-	-	-	-	-	-	-
Imperial	16	7	1	14.3	4	1	25.0	1	-	-
Inyo	-	-	-	-	-	-	-	-	-	-
Kern	46	10	2	20.0	9	2	22.2	-	-	-
Kings	4	-	-	-	-	-	-	-	-	-
Lake	2	2	-	-	2	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-
Long Beach	40	34	2	5.9	33	2	6.1	1	-	-
Los Angeles	631	539	55	10.2	497	49	9.9	34	6	17.6
Madera	12	11	-	-	11	-	-	-	-	-
Marin	4	1	-	-	1	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	3	-	-	-	-	-	-	-	-	-
Merced	5	5	-	-	5	-	-	-	-	-
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	17	-	-	-	-	-	-	-	-	-
Napa	3	-	-	-	-	-	-	-	-	-
Nevada	2	-	-	-	-	-	-	-	-	-
Orange	187	68	7	10.3	65	6	9.2	3	1	33.3
Pasadena	5	2	-	-	2	-	-	-	-	-
Placer	1	-	-	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	70	62	5	8.1	57	4	7.0	1	1	100.0
Sacramento	69	5	2	40.0	2	-	-	3	2	66.7
San Benito	1	-	-	-	-	-	-	-	-	-
San Bernardino	68	56	4	7.1	49	3	6.1	7	1	14.3
San Diego	226	39	2	5.1	35	2	5.7	4	-	-
San Francisco	93	80	7	8.8	72	6	8.3	8	1	12.5
San Joaquin	49	32	5	15.6	32	5	15.6	-	-	-
San Luis Obispo	1	-	-	-	-	-	-	-	-	-
San Mateo	53	29	3	10.3	24	2	8.3	1	1	100.0
Santa Barbara	32	29	2	6.9	28	2	7.1	1	-	-
Santa Clara	164	116	21	18.1	109	21	19.3	4	-	-
Santa Cruz	5	3	-	-	2	-	-	-	-	-
Shasta	2	-	-	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	20	6	3	50.0	6	3	50.0	-	-	-
Sonoma	8	-	-	-	-	-	-	-	-	-
Stanislaus	20	7	-	-	6	-	-	1	-	-
Sutter	6	6	-	-	6	-	-	-	-	-
Tehama	1	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	19	14	2	14.3	14	2	14.3	-	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	37	23	-	-	23	-	-	-	-	-
Yolo	4	-	-	-	-	-	-	-	-	-
Yuba	3	2	1	50.0	2	1	50.0	-	-	-

* Sum of cases with prior TB and without prior TB may not equal all cases due to inclusion of those with unknown history of TB.
** SM=streptomycin
- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 43. Multidrug-resistant (MDR) Tuberculosis Cases* by History of Prior Tuberculosis: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Culture Positive Cases	All Cases**			No Prior TB			Prior TB		
		No. with MDR Susceptibility Testing	Cases with Multidrug Resistance		No. with MDR Susceptibility Testing	Cases with Multidrug Resistance		No. with MDR Susceptibility Testing	Cases with Multidrug Resistance	
			No.	%		No.	%		No.	%
California	**2,158**	**2,053**	**30**	**1.5**	**1,906**	**23**	**1.2**	**112**	**7**	**6.3**
Alameda	99	99	2	2.0	91	2	2.2	4	-	-
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-
Berkeley	3	3	-	-	3	-	-	-	-	-
Butte	3	3	-	-	3	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-	-	-	-
Contra Costa	62	61	1	1.6	57	-	-	4	1	25.0
Del Norte	-	-	-	-	-	-	-	-	-	-
El Dorado	3	2	-	-	1	-	-	1	-	-
Fresno	58	54	3	5.6	53	3	5.7	1	-	-
Glenn	1	1	-	-	-	-	-	1	-	-
Humboldt	-	-	-	-	-	-	-	-	-	-
Imperial	16	16	-	-	12	-	-	2	-	-
Inyo	-	-	-	-	-	-	-	-	-	-
Kern	46	40	1	2.5	38	1	2.6	-	-	-
Kings	4	3	-	-	3	-	-	-	-	-
Lake	2	2	-	-	2	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-
Long Beach	40	40	1	2.5	37	1	2.7	2	-	-
Los Angeles	631	570	7	1.2	526	5	1.0	35	2	5.7
Madera	12	11	-	-	11	-	-	-	-	-
Marin	4	4	-	-	3	-	-	1	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	3	3	-	-	3	-	-	-	-	-
Merced	5	5	-	-	5	-	-	-	-	-
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	17	14	-	-	14	-	-	-	-	-
Napa	3	3	-	-	3	-	-	-	-	-
Nevada	2	2	-	-	2	-	-	-	-	-
Orange	187	185	2	1.1	174	2	1.1	10	-	-
Pasadena	5	3	-	-	3	-	-	-	-	-
Placer	1	1	-	-	1	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	70	65	-	-	59	-	-	1	-	-
Sacramento	69	68	3	4.4	62	1	1.6	5	2	40.0
San Benito	1	1	-	-	1	-	-	-	-	-
San Bernardino	68	64	-	-	57	-	-	7	-	-
San Diego	226	226	3	1.3	211	3	1.4	14	-	-
San Francisco	93	93	1	1.1	84	-	-	9	1	11.1
San Joaquin	49	49	1	2.0	48	1	2.1	1	-	-
San Luis Obispo	1	1	-	-	1	-	-	-	-	-
San Mateo	53	50	1	2.0	43	-	-	2	1	50.0
Santa Barbara	32	32	-	-	31	-	-	1	-	-
Santa Clara	164	160	2	1.3	151	2	1.3	6	-	-
Santa Cruz	5	5	-	-	4	-	-	-	-	-
Shasta	2	2	-	-	2	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	20	19	-	-	18	-	-	1	-	-
Sonoma	8	7	-	-	7	-	-	-	-	-
Stanislaus	20	19	-	-	15	-	-	4	-	-
Sutter	6	6	-	-	6	-	-	-	-	-
Tehama	1	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	19	19	1	5.3	19	1	5.3	-	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	37	35	-	-	35	-	-	-	-	-
Yolo	4	4	-	-	4	-	-	-	-	-
Yuba	3	3	1	33.3	3	1	33.3	-	-	-

* Cases with resistance to at least isoniazid, and rifampin or rifabutin.
** Sum of cases with prior TB and without prior TB may not equal all cases due to inclusion of those with unknown history of TB.
- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 44. Tuberculosis Cases by Resistance to at Least One First-line Drug* and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2008

Reporting Jurisdiction	Total Culture Positive Cases	All Cases**			No Prior TB			Prior TB		
		No. with Susceptibility Testing	Cases with Resistance to ≥ One Drug		No. with Susceptibility Testing	Cases with Resistance to ≥ One Drug		No. with Susceptibility Testing	Cases with Resistance to ≥ One Drug	
			No.	%		No.	%		No.	%
California	**2,158**	**2,054**	**308**	**15.0**	**1,907**	**281**	**14.7**	**112**	**23**	**20.5**
Alameda	99	99	17	17.2	91	15	16.5	4	-	-
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-
Berkeley	3	3	-	-	3	-	-	-	-	-
Butte	3	3	-	-	3	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-	-	-	-
Contra Costa	62	61	12	19.7	57	10	17.5	4	2	50.0
Del Norte	-	-	-	-	-	-	-	-	-	-
El Dorado	3	2	-	-	1	-	-	1	-	-
Fresno	58	54	11	20.4	53	11	20.8	1	-	-
Glenn	1	1	-	-	-	-	-	1	-	-
Humboldt	-	-	-	-	-	-	-	-	-	-
Imperial	16	16	2	12.5	12	2	16.7	2	-	-
Inyo	-	-	-	-	-	-	-	-	-	-
Kern	46	40	3	7.5	38	3	7.9	-	-	-
Kings	4	3	-	-	3	-	-	-	-	-
Lake	2	2	1	50.0	2	1	50.0	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-
Long Beach	40	40	7	17.5	37	7	18.9	2	-	-
Los Angeles	631	570	82	14.4	526	74	14.1	35	7	20.0
Madera	12	11	-	-	11	-	-	-	-	-
Marin	4	4	1	25.0	3	1	33.3	1	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	3	3	-	-	3	-	-	-	-	-
Merced	5	5	-	-	5	-	-	-	-	-
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	17	15	1	6.7	15	1	6.7	-	-	-
Napa	3	3	-	-	3	-	-	-	-	-
Nevada	2	2	-	-	2	-	-	-	-	-
Orange	187	185	30	16.2	174	28	16.1	10	2	20.0
Pasadena	5	3	-	-	3	-	-	-	-	-
Placer	1	1	-	-	1	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	70	65	11	16.9	59	10	16.9	1	-	-
Sacramento	69	68	8	11.8	62	5	8.1	5	3	60.0
San Benito	1	1	-	-	1	-	-	-	-	-
San Bernardino	68	64	9	14.1	57	7	12.3	7	2	28.6
San Diego	226	226	48	21.2	211	45	21.3	14	3	21.4
San Francisco	93	93	6	6.5	84	5	6.0	9	1	11.1
San Joaquin	49	49	7	14.3	48	7	14.6	1	-	-
San Luis Obispo	1	1	-	-	1	-	-	-	-	-
San Mateo	53	50	7	14.0	43	5	11.6	2	2	100.0
Santa Barbara	32	32	4	12.5	31	4	12.9	1	-	-
Santa Clara	164	160	32	20.0	151	31	20.5	6	1	16.7
Santa Cruz	5	5	-	-	4	-	-	-	-	-
Shasta	2	2	-	-	2	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	20	19	3	15.8	18	3	16.7	1	-	-
Sonoma	8	7	1	14.3	7	1	14.3	-	-	-
Stanislaus	20	19	-	-	15	-	-	4	-	-
Sutter	6	6	-	-	6	-	-	-	-	-
Tehama	1	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	19	19	3	15.8	19	3	15.8	-	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	37	35	1	2.9	35	1	2.9	-	-	-
Yolo	4	4	-	-	4	-	-	-	-	-
Yuba	3	3	1	33.3	3	1	33.3	-	-	-

* First-line drugs include isoniazid, rifampin, ethambutol and pyrazinamide.

** Sum of cases with prior TB and without prior TB may not equal all cases due to inclusion of those with unknown history of TB.

- Indicates zero cases or zero percent.

Table 45. Tuberculosis Cases by Resistance to Isoniazid: Reporting Jurisdictions in California, 2002-2008

Reporting Jurisdiction	2002			2003			2004			2005			2006			2007			2008 *		
	No. with INH** Testing	Cases with Resistance to INH		No. with INH Testing	Cases with Resistance to INH		No. with INH Testing	Cases with Resistance to INH		No. with INH Testing	Cases with Resistance to INH		No. with INH Testing	Cases with Resistance to INH		No. with INH Testing	Cases with Resistance to INH		No. with INH Testing	Cases with Resistance to INH	
		No.	%		No.	%		No.	%		No.	%		No.	%		No.	%		No.	%
California	**2,384**	**257**	**10.8**	**2,443**	**245**	**10.0**	**2,291**	**256**	**11.2**	**2,250**	**223**	**9.9**	**2,214**	**215**	**9.7**	**2,153**	**236**	**11.0**	**2,054**	**216**	**10.5**
Alameda	133	19	14.3	132	25	18.9	114	11	9.6	113	15	13.3	114	9	7.9	117	15	12.8	99	14	14.1
Alpine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Berkeley	9	1	11.1	4	2	50.0	3	1	33.3	8	3	37.5	3	-	-	5	1	20.0	3	-	-
Butte	1	-	-	5	-	-	2	-	-	2	-	-	2	-	-	3	1	33.3	3	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Colusa	-	-	-	1	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Contra Costa	49	5	10.2	58	2	3.4	44	11	25.0	45	4	8.9	36	6	16.7	33	-	-	61	9	14.8
Del Norte	-	-	-	1	1	100.0	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
El Dorado	3	-	-	-	-	-	3	-	-	3	1	33.3	1	-	-	3	2	66.7	2	-	-
Fresno	41	2	4.9	49	4	8.2	49	4	8.2	46	7	15.2	44	7	15.9	32	3	9.4	54	9	16.7
Glenn	-	-	-	3	-	-	-	-	-	-	-	-	1	-	-	2	-	-	1	-	-
Humboldt	3	-	-	1	-	-	3	-	-	2	-	-	1	1	100.0	-	-	-	-	-	-
Imperial	23	5	21.7	23	2	8.7	27	5	18.5	26	1	3.8	27	-	-	27	3	11.1	16	2	12.5
Inyo	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kern	43	6	14.0	40	3	7.5	28	4	14.3	36	3	8.3	39	3	7.7	32	4	12.5	40	2	5.0
Kings	4	-	-	3	1	33.3	3	-	-	7	-	-	2	-	-	3	-	-	3	-	-
Lake	-	-	-	1	-	-	3	-	-	-	-	-	1	-	-	1	-	-	2	-	-
Lassen	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Long Beach	39	1	2.6	47	2	4.3	41	8	19.5	45	4	8.9	30	3	10.0	32	5	15.6	40	7	17.5
Los Angeles	772	80	10.4	753	82	10.9	742	76	10.2	704	65	9.2	696	61	8.8	646	59	9.1	570	52	9.1
Madera	8	1	12.5	9	-	-	3	-	-	7	-	-	2	-	-	1	-	-	11	-	-
Marin	10	1	10.0	7	2	28.6	7	2	28.6	8	-	-	4	-	-	9	-	-	4	1	25.0
Mariposa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mendocino	5	2	40.0	5	1	20.0	-	-	-	1	-	-	1	-	-	-	-	-	3	-	-
Merced	16	1	6.3	13	2	15.4	6	1	16.7	7	-	-	7	-	-	3	-	-	5	-	-
Modoc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monterey	21	2	9.5	37	2	5.4	20	2	10.0	28	2	7.1	23	3	13.0	18	1	5.6	15	-	-
Napa	7	-	-	5	-	-	4	1	25.0	1	-	-	6	-	-	6	-	-	3	-	-

* At the time of report preparation, drug susceptibility testing was 95 percent complete for culture positive cases reported in 2008. As additional Initial Drug Susceptibility Reports are submitted, overall proportions of drug resistance may change slightly.

** INH=isoniazid

- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 45. Tuberculosis Cases by Resistance to Isoniazid: Reporting Jurisdictions in California, 2002-2008

Reporting Jurisdiction	2002			2003			2004			2005			2006			2007			2008 *		
	No. with INH** Testing	Cases with Resistance to INH		No. with INH Testing	Cases with Resistance to INH		No. with INH Testing	Cases with Resistance to INH		No. with INH Testing	Cases with Resistance to INH		No. with INH Testing	Cases with Resistance to INH		No. with INH Testing	Cases with Resistance to INH		No. with INH Testing	Cases with Resistance to INH	
		No.	%		No.	%		No.	%		No.	%		No.	%		No.	%		No.	%
Nevada	-	-	-	1	1	100.0	1	1	100.0	1	-	-	2	-	-	-	-	-	2	-	-
Orange	198	25	12.6	208	21	10.1	204	19	9.3	211	26	12.3	202	22	10.9	186	20	10.8	185	22	11.9
Pasadena	7	-	-	8	-	-	5	-	-	12	-	-	6	-	-	4	-	-	3	-	-
Placer	2	-	-	8	-	-	1	-	-	2	-	-	3	-	-	10	-	-	1	-	-
Plumas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Riverside	50	-	-	55	3	5.5	54	4	7.4	51	4	7.8	62	11	17.7	67	8	11.9	65	7	10.8
Sacramento	52	5	9.6	88	10	11.4	79	6	7.6	86	8	9.3	75	6	8.0	79	11	13.9	68	6	8.8
San Benito	3	-	-	-	-	-	2	1	50.0	-	-	-	1	-	-	-	-	-	1	-	-
San Bernardino	58	5	8.6	56	4	7.1	57	6	10.5	51	7	13.7	52	6	11.5	47	4	8.5	64	4	6.3
San Diego	281	32	11.4	259	21	8.1	270	26	9.6	249	25	10.0	262	33	12.6	247	29	11.7	226	27	11.9
San Francisco	119	11	9.2	139	12	8.6	114	20	17.5	109	6	5.5	101	10	9.9	109	11	10.1	93	5	5.4
San Joaquin	40	4	10.0	53	5	9.4	45	2	4.4	39	1	2.6	59	4	6.8	33	5	15.2	49	6	12.2
San Luis Obispo	5	1	20.0	6	-	-	3	-	-	5	1	20.0	1	-	-	3	1	33.3	1	-	-
San Mateo	53	8	15.1	47	7	14.9	39	8	20.5	46	4	8.7	58	4	6.9	68	11	16.2	50	6	12.0
Santa Barbara	12	4	33.3	31	3	9.7	15	1	6.7	23	1	4.3	14	2	14.3	13	2	15.4	32	3	9.4
Santa Clara	206	22	10.7	168	18	10.7	169	24	14.2	155	27	17.4	181	15	8.3	194	28	14.4	160	27	16.9
Santa Cruz	3	-	-	7	-	-	8	1	12.5	7	-	-	3	-	-	6	1	16.7	5	-	-
Shasta	3	-	-	8	2	25.0	3	-	-	5	-	-	4	-	-	2	-	-	2	-	-
Sierra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Solano	18	1	5.6	12	1	8.3	21	1	4.8	25	2	8.0	18	2	11.1	28	3	10.7	19	3	15.8
Sonoma	12	3	25.0	11	1	9.1	14	2	14.3	10	-	-	13	2	15.4	12	2	16.7	7	-	-
Stanislaus	15	-	-	13	2	15.4	14	1	7.1	11	-	-	10	2	20.0	13	1	7.7	19	-	-
Sutter	5	-	-	5	1	20.0	-	-	-	1	-	-	2	-	-	1	-	-	6	-	-
Tehama	-	-	-	1	-	-	1	-	-	2	1	50.0	1	-	-	3	1	33.3	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Tulare	14	2	14.3	12	-	-	17	1	5.9	15	-	-	13	-	-	16	1	6.3	19	2	10.5
Tuolumne	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ventura	39	8	20.5	35	-	-	41	2	4.9	32	3	9.4	25	3	12.0	26	3	11.5	35	1	2.9
Yolo	1	-	-	11	1	9.1	4	-	-	9	1	11.1	2	-	-	7	-	-	4	-	-
Yuba	-	-	-	3	1	33.3	7	4	57.1	1	1	100.0	-	-	-	5	-	-	3	1	33.3

* At the time of report preparation, drug susceptibility testing was 95 percent complete for culture positive cases reported in 2008. As additional Initial Drug Susceptibility Reports are submitted, overall proportions of drug resistance may change slightly.

** INH=isoniazid

- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 46. Multidrug-resistant (MDR) Tuberculosis Cases*: Reporting Jurisdictions in California, 2002-2008

Reporting Jurisdiction	2002			2003			2004			2005			2006			2007			2008 **		
	No. with MDR Testing	Cases with Multidrug Resistance		No. with MDR Testing	Cases with Multidrug Resistance		No. with MDR Testing	Cases with Multidrug Resistance		No. with MDR Testing	Cases with Multidrug Resistance		No. with MDR Testing	Cases with Multidrug Resistance		No. with MDR Testing	Cases with Multidrug Resistance		No. with MDR Testing	Cases with Multidrug Resistance	
		No.	%		No.	%		No.	%		No.	%		No.	%		No.	%		No.	%
California	**2,383**	**41**	**1.7**	**2,442**	**33**	**1.4**	**2,290**	**39**	**1.7**	**2,248**	**36**	**1.6**	**2,213**	**34**	**1.5**	**2,152**	**28**	**1.3**	**2,053**	**30**	**1.5**
Alameda	133	-	-	132	1	0.8	114	1	0.9	113	3	2.7	114	-	-	117	1	0.9	99	2	2.0
Alpine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Berkeley	9	-	-	4	-	-	3	-	-	8	1	12.5	3	-	-	5	-	-	3	-	-
Butte	1	-	-	5	-	-	2	-	-	2	-	-	2	-	-	3	1	33.3	3	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Colusa	-	-	-	1	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Contra Costa	49	1	2.0	58	-	-	44	2	4.5	45	2	4.4	36	-	-	33	-	-	61	1	1.6
Del Norte	-	-	-	1	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
El Dorado	3	-	-	-	-	-	3	-	-	3	-	-	1	-	-	3	1	33.3	2	-	-
Fresno	41	-	-	49	-	-	49	2	4.1	46	3	6.5	44	2	4.5	32	1	3.1	54	3	5.6
Glenn	-	-	-	3	-	-	-	-	-	-	-	-	1	-	-	2	-	-	1	-	-
Humboldt	3	-	-	1	-	-	3	-	-	2	-	-	1	-	-	-	-	-	-	-	-
Imperial	23	2	8.7	23	-	-	27	2	7.4	26	-	-	27	-	-	27	1	3.7	16	-	-
Inyo	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kern	43	2	4.7	40	1	2.5	28	-	-	36	-	-	39	1	2.6	32	-	-	40	1	2.5
Kings	4	-	-	3	-	-	3	-	-	7	-	-	2	-	-	3	-	-	3	-	-
Lake	-	-	-	1	-	-	3	-	-	-	-	-	1	-	-	1	-	-	2	-	-
Lassen	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Long Beach	39	1	2.6	47	1	2.1	41	1	2.4	45	-	-	30	-	-	32	-	-	40	1	2.5
Los Angeles	772	9	1.2	753	10	1.3	742	10	1.3	703	11	1.6	696	11	1.6	646	5	0.8	570	7	1.2
Madera	8	1	12.5	9	-	-	3	-	-	7	-	-	2	-	-	1	-	-	11	-	-
Marin	10	-	-	7	-	-	7	-	-	8	-	-	4	-	-	9	-	-	4	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mendocino	5	-	-	5	1	20.0	-	-	-	1	-	-	1	-	-	-	-	-	3	-	-
Merced	16	1	6.3	13	1	7.7	6	1	16.7	7	-	-	7	-	-	3	-	-	5	-	-
Modoc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monterey	21	2	9.5	37	-	-	20	1	5.0	28	-	-	23	-	-	18	-	-	14	-	-
Napa	7	-	-	5	-	-	4	-	-	1	-	-	6	-	-	6	-	-	3	-	-

* Cases with resistance to at least isoniazid, and rifampin or rifabutin.

** At the time of report preparation, initial drug susceptibility testing was 95 percent complete for culture positive cases reported in 2008. As additional Initial Drug Susceptibility Reports are submitted, overall proportions of drug resistance may change slightly.

- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 46. Multidrug-resistant (MDR) Tuberculosis Cases*: Reporting Jurisdictions in California, 2002-2008

Reporting Jurisdiction	2002			2003			2004			2005			2006			2007			2008 **		
	No. with MDR Testing	Cases with Multidrug Resistance		No. with MDR Testing	Cases with Multidrug Resistance		No. with MDR Testing	Cases with Multidrug Resistance		No. with MDR Testing	Cases with Multidrug Resistance		No. with MDR Testing	Cases with Multidrug Resistance		No. with MDR Testing	Cases with Multidrug Resistance		No. with MDR Testing	Cases with Multidrug Resistance	
		No.	%		No.	%		No.	%		No.	%		No.	%		No.	%		No.	%
Nevada	-	-	-	1	-	-	1	-	-	1	-	-	2	-	-	-	-	-	2	-	-
Orange	198	2	1.0	208	3	1.4	204	1	0.5	211	2	0.9	202	4	2.0	186	3	1.6	185	2	1.1
Pasadena	7	-	-	8	-	-	5	-	-	12	-	-	6	-	-	4	-	-	3	-	-
Placer	2	-	-	8	-	-	1	-	-	2	-	-	3	-	-	10	-	-	1	-	-
Plumas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Riverside	50	-	-	55	1	1.8	54	1	1.9	51	1	2.0	62	5	8.1	67	1	1.5	65	-	-
Sacramento	52	1	1.9	88	1	1.1	79	5	6.3	86	3	3.5	75	-	-	79	1	1.3	68	3	4.4
San Benito	3	-	-	-	-	-	2	-	-	-	-	-	1	-	-	-	-	-	1	-	-
San Bernardino	58	-	-	55	-	-	57	-	-	51	-	-	51	-	-	47	1	2.1	64	-	-
San Diego	281	6	2.1	259	5	1.9	270	2	0.7	249	3	1.2	262	5	1.9	247	4	1.6	226	3	1.3
San Francisco	119	4	3.4	139	2	1.4	114	3	2.6	109	1	0.9	101	1	1.0	109	2	1.8	93	1	1.1
San Joaquin	40	1	2.5	53	1	1.9	45	-	-	39	1	2.6	59	-	-	33	-	-	49	1	2.0
San Luis Obispo	5	1	20.0	6	-	-	3	-	-	5	-	-	1	-	-	3	-	-	1	-	-
San Mateo	53	2	3.8	47	-	-	39	1	2.6	46	-	-	58	-	-	68	1	1.5	50	1	2.0
Santa Barbara	12	2	16.7	31	-	-	15	-	-	23	-	-	14	-	-	13	-	-	32	-	-
Santa Clara	205	1	0.5	168	-	-	169	3	1.8	155	4	2.6	181	2	1.1	194	5	2.6	160	2	1.3
Santa Cruz	3	-	-	7	-	-	8	-	-	7	-	-	3	-	-	6	-	-	5	-	-
Shasta	3	-	-	8	1	12.5	3	-	-	5	-	-	4	-	-	2	-	-	2	-	-
Sierra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Solano	18	1	5.6	12	-	-	21	-	-	25	-	-	18	-	-	27	-	-	19	-	-
Sonoma	12	1	8.3	11	1	9.1	14	-	-	10	-	-	13	2	15.4	12	-	-	7	-	-
Stanislaus	15	-	-	13	1	7.7	14	-	-	11	-	-	10	1	10.0	13	-	-	19	-	-
Sutter	5	-	-	5	-	-	-	-	-	1	-	-	2	-	-	1	-	-	6	-	-
Tehama	-	-	-	1	-	-	1	-	-	2	-	-	1	-	-	3	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-
Tulare	14	-	-	12	-	-	17	-	-	15	-	-	13	-	-	16	-	-	19	1	5.3
Tuolumne	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ventura	39	-	-	35	-	-	41	-	-	31	-	-	25	-	-	26	-	-	35	-	-
Yolo	1	-	-	11	1	9.1	3	-	-	9	1	11.1	2	-	-	7	-	-	4	-	-
Yuba	-	-	-	3	1	33.3	7	3	42.9	1	-	-	-	-	-	5	-	-	3	1	33.3

* Cases with resistance to at least isoniazid, and rifampin or rifabutin.

** At the time of report preparation, initial drug susceptibility testing was 95 percent complete for culture positive cases reported in 2008. As additional Initial Drug Susceptibility Reports are submitted, overall proportions of drug resistance may change slightly.

- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 47. Tuberculosis Cases by Outcome of Therapy: Reporting Jurisdictions in California, 2006

Reporting Jurisdiction	Cases Starting Therapy	Outcome (Reason Therapy Stopped)*															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Moved		Died		Lost		Refused		Other/ Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	**2,675**	**1,881**	**70.3**	**330**	**12.3**	**182**	**6.8**	**191**	**7.1**	**43**	**1.6**	**15**	**0.6**	**8**	**0.3**	**25**	**0.9**
Alameda	137	108	78.8	7	5.1	9	6.6	12	8.8	-	-	1	0.7	-	-	-	-
Alpine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Berkeley	5	3	60.0	-	-	2	40.0	-	-	-	-	-	-	-	-	-	-
Butte	3	2	66.7	-	-	-	-	1	33.3	-	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colusa	2	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contra Costa	50	39	78.0	-	-	5	10.0	5	10.0	1	2.0	-	-	-	-	-	-
Del Norte	1	-	-	-	-	1	100.0	-	-	-	-	-	-	-	-	-	-
El Dorado	4	4	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fresno	62	43	69.4	9	14.5	3	4.8	3	4.8	2	3.2	1	1.6	-	-	1	1.6
Glenn	1	-	-	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Humboldt	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Imperial	27	19	70.4	1	3.7	4	14.8	2	7.4	1	3.7	-	-	-	-	-	-
Inyo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kern	37	19	51.4	7	18.9	6	16.2	5	13.5	-	-	-	-	-	-	-	-
Kings	2	1	50.0	1	50.0	-	-	-	-	-	-	-	-	-	-	-	-
Lake	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Beach	39	29	74.4	3	7.7	2	5.1	4	10.3	-	-	-	-	-	-	1	2.6
Los Angeles	840	581	69.2	115	13.7	53	6.3	64	7.6	19	2.3	3	0.4	-	-	5	0.6
Madera	3	3	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Marin	6	4	66.7	-	-	-	-	2	33.3	-	-	-	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mendocino	4	4	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Merced	9	7	77.8	1	11.1	-	-	1	11.1	-	-	-	-	-	-	-	-
Modoc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monterey	27	16	59.3	6	22.2	-	-	2	7.4	-	-	-	-	-	-	3	11.1
Napa	7	6	85.7	-	-	-	-	1	14.3	-	-	-	-	-	-	-	-

* Patient outcome in jurisdiction reporting the case.
- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 47. Tuberculosis Cases by Outcome of Therapy: Reporting Jurisdictions in California, 2006

Reporting Jurisdiction	Cases Starting Therapy	Outcome (Reason Therapy Stopped)*															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Moved		Died		Lost		Refused		Other/ Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Nevada	2	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orange	219	137	62.6	41	18.7	21	9.6	11	5.0	1	0.5	5	2.3	-	-	3	1.4
Pasadena	7	4	57.1	-	-	2	28.6	1	14.3	-	-	-	-	-	-	-	-
Placer	6	5	83.3	1	16.7	-	-	-	-	-	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Riverside	70	50	71.4	7	10.0	5	7.1	6	8.6	1	1.4	-	-	-	-	1	1.4
Sacramento	95	75	78.9	12	12.6	3	3.2	4	4.2	-	-	1	1.1	-	-	-	-
San Benito	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Bernardino	54	32	59.3	12	22.2	5	9.3	2	3.7	1	1.9	2	3.7	-	-	-	-
San Diego	304	204	67.1	44	14.5	24	7.9	22	7.2	4	1.3	-	-	6	2.0	-	-
San Francisco	114	82	71.9	16	14.0	3	2.6	11	9.6	1	0.9	-	-	-	-	1	0.9
San Joaquin	75	52	69.3	8	10.7	-	-	8	10.7	2	2.7	-	-	-	-	5	6.7
San Luis Obispo	2	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Mateo	78	64	82.1	2	2.6	5	6.4	5	6.4	2	2.6	-	-	-	-	-	-
Santa Barbara	15	11	73.3	3	20.0	-	-	1	6.7	-	-	-	-	-	-	-	-
Santa Clara	221	160	72.4	28	12.7	18	8.1	8	3.6	4	1.8	-	-	1	0.5	2	0.9
Santa Cruz	5	4	80.0	-	-	1	20.0	-	-	-	-	-	-	-	-	-	-
Shasta	5	2	40.0	-	-	2	40.0	-	-	-	-	-	-	-	-	1	20.0
Sierra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solano	26	21	80.8	1	3.8	2	7.7	2	7.7	-	-	-	-	-	-	-	-
Sonoma	14	11	78.6	1	7.1	-	-	-	-	-	-	-	-	1	7.1	1	7.1
Stanislaus	15	9	60.0	1	6.7	2	13.3	1	6.7	2	13.3	-	-	-	-	-	-
Sutter	3	3	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tehama	2	1	50.0	-	-	-	-	1	50.0	-	-	-	-	-	-	-	-
Trinity	1	-	-	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Tulare	21	15	71.4	1	4.8	-	-	3	14.3	-	-	1	4.8	-	-	1	4.8
Tuolumne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ventura	49	39	79.6	-	-	4	8.2	3	6.1	2	4.1	1	2.0	-	-	-	-
Yolo	3	3	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yuba	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Patient outcome in jurisdiction reporting the case.
- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 48. Outcome in Tuberculosis Cases for Whom One Year or Less of Treatment was Indicated*: Reporting Jurisdictions in California, 2006

Reporting Jurisdiction	Cases Starting Therapy	Outcome (Reason Therapy Stopped)**															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Moved		Died		Lost		Refused		Other/ Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	**2,585**	**1,861**	**72.0**	**285**	**11.0**	**175**	**6.8**	**180**	**7.0**	**43**	**1.7**	**15**	**0.6**	**8**	**0.3**	**18**	**0.7**
Alameda	135	108	80.0	7	5.2	9	6.7	10	7.4	-	-	1	0.7	-	-	-	-
Alpine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Berkeley	5	3	60.0	-	-	2	40.0	-	-	-	-	-	-	-	-	-	-
Butte	3	2	66.7	-	-	-	-	1	33.3	-	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colusa	2	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contra Costa	49	38	77.6	-	-	5	10.2	5	10.2	1	2.0	-	-	-	-	-	-
Del Norte	1	-	-	-	-	1	100.0	-	-	-	-	-	-	-	-	-	-
El Dorado	4	4	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fresno	59	43	72.9	6	10.2	3	5.1	3	5.1	2	3.4	1	1.7	-	-	1	1.7
Glenn	1	-	-	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Humboldt	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Imperial	27	19	70.4	1	3.7	4	14.8	2	7.4	1	3.7	-	-	-	-	-	-
Inyo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kern	35	19	54.3	6	17.1	6	17.1	4	11.4	-	-	-	-	-	-	-	-
Kings	2	1	50.0	1	50.0	-	-	-	-	-	-	-	-	-	-	-	-
Lake	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Beach	38	28	73.7	3	7.9	2	5.3	4	10.5	-	-	-	-	-	-	1	2.6
Los Angeles	800	571	71.4	97	12.1	50	6.3	59	7.4	19	2.4	3	0.4	-	-	1	0.1
Madera	3	3	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Marin	6	4	66.7	-	-	-	-	2	33.3	-	-	-	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mendocino	4	4	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Merced	9	7	77.8	1	11.1	-	-	1	11.1	-	-	-	-	-	-	-	-
Modoc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monterey	25	15	60.0	5	20.0	-	-	2	8.0	-	-	-	-	-	-	3	12.0
Napa	7	6	85.7	-	-	-	-	1	14.3	-	-	-	-	-	-	-	-

* Excludes cases with rifampin resistant disease, cases with meningeal disease, and cases less than 15 years of age with disseminated tuberculosis disease.
** Patient outcome in jurisdiction reporting the case.
- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 48. Outcome in Tuberculosis Cases for Whom One Year or Less of Treatment was Indicated*: Reporting Jurisdictions in California, 2006

Reporting Jurisdiction	Cases Starting Therapy	Outcome (Reason Therapy Stopped)**															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Moved		Died		Lost		Refused		Other/ Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Nevada	2	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orange	214	137	64.0	37	17.3	21	9.8	11	5.1	1	0.5	5	2.3	-	-	2	0.9
Pasadena	7	4	57.1	-	-	2	28.6	1	14.3	-	-	-	-	-	-	-	-
Placer	6	5	83.3	1	16.7	-	-	-	-	-	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Riverside	65	50	76.9	3	4.6	5	7.7	6	9.2	1	1.5	-	-	-	-	-	-
Sacramento	94	74	78.7	12	12.8	3	3.2	4	4.3	-	-	1	1.1	-	-	-	-
San Benito	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Bernardino	53	31	58.5	12	22.6	5	9.4	2	3.8	1	1.9	2	3.8	-	-	-	-
San Diego	291	202	69.4	38	13.1	21	7.2	20	6.9	4	1.4	-	-	6	2.1	-	-
San Francisco	111	81	73.0	15	13.5	3	2.7	10	9.0	1	0.9	-	-	-	-	1	0.9
San Joaquin	75	52	69.3	8	10.7	-	-	8	10.7	2	2.7	-	-	-	-	5	6.7
San Luis Obispo	2	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Mateo	78	64	82.1	2	2.6	5	6.4	5	6.4	2	2.6	-	-	-	-	-	-
Santa Barbara	15	11	73.3	3	20.0	-	-	1	6.7	-	-	-	-	-	-	-	-
Santa Clara	214	159	74.3	23	10.7	17	7.9	8	3.7	4	1.9	-	-	1	0.5	2	0.9
Santa Cruz	5	4	80.0	-	-	1	20.0	-	-	-	-	-	-	-	-	-	-
Shasta	5	2	40.0	-	-	2	40.0	-	-	-	-	-	-	-	-	1	20.0
Sierra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solano	25	20	80.0	1	4.0	2	8.0	2	8.0	-	-	-	-	-	-	-	-
Sonoma	12	11	91.7	-	-	-	-	-	-	-	-	-	-	1	8.3	-	-
Stanislaus	14	9	64.3	-	-	2	14.3	1	7.1	2	14.3	-	-	-	-	-	-
Sutter	3	3	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tehama	2	1	50.0	-	-	-	-	1	50.0	-	-	-	-	-	-	-	-
Trinity	1	-	-	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Tulare	21	15	71.4	1	4.8	-	-	3	14.3	-	-	1	4.8	-	-	1	4.8
Tuolumne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ventura	49	39	79.6	-	-	4	8.2	3	6.1	2	4.1	1	2.0	-	-	-	-
Yolo	3	3	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yuba	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Excludes cases with rifampin resistant disease, cases with meningeal disease, and cases less than 15 years of age with disseminated tuberculosis disease.
** Patient outcome in jurisdiction reporting the case.
- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 49. Outcome in Tuberculosis Cases for Whom Greater than One Year of Treatment was Indicated*: Reporting Jurisdictions in California, 2006

Reporting Jurisdiction	Cases Starting Therapy	Outcome (Reason Therapy Stopped)**															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Moved		Died		Lost		Refused		Other/ Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	**90**	**20**	**22.2**	**45**	**50**	**7**	**7.8**	**11**	**12.2**	**-**	**-**	**-**	**-**	**-**	**-**	**7**	**7.8**
Alameda	2	-	-	-	-	-	-	2	100.0	-	-	-	-	-	-	-	-
Alpine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Berkeley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butte	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contra Costa	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Del Norte	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
El Dorado	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fresno	3	-	-	3	100	-	-	-	-	-	-	-	-	-	-	-	-
Glenn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Imperial	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inyo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kern	2	-	-	1	50	-	-	1	50.0	-	-	-	-	-	-	-	-
Kings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Beach	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Los Angeles	40	10	25.0	18	45	3	7.5	5	12.5	-	-	-	-	-	-	4	10.0
Madera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Marin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Merced	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Modoc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monterey	2	1	50.0	1	50	-	-	-	-	-	-	-	-	-	-	-	-
Napa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Includes cases with rifampin resistant disease, cases with meningeal disease, and cases less than 15 years of age with disseminated tuberculosis disease.
** Patient outcome in jurisdiction reporting the case.
- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 49. Outcome in Tuberculosis Cases for Whom Greater than One Year of Treatment was Indicated*: Reporting Jurisdictions in California, 2006

Reporting Jurisdiction	Cases Starting Therapy	Outcome (Reason Therapy Stopped)**															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Moved		Died		Lost		Refused		Other/ Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Nevada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orange	5	-	-	4	80	-	-	-	-	-	-	-	-	-	-	1	20.0
Pasadena	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Riverside	5	-	-	4	80	-	-	-	-	-	-	-	-	-	-	1	20.0
Sacramento	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Benito	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Bernardino	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Diego	13	2	15.4	6	46	3	23.1	2	15.4	-	-	-	-	-	-	-	-
San Francisco	3	1	33.3	1	33	-	-	1	33.3	-	-	-	-	-	-	-	-
San Joaquin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Luis Obispo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Mateo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Santa Barbara	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Santa Clara	7	1	14.3	5	71	1	14.3	-	-	-	-	-	-	-	-	-	-
Santa Cruz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shasta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solano	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sonoma	2	-	-	1	50	-	-	-	-	-	-	-	-	-	-	1	50.0
Stanislaus	1	-	-	1	100	-	-	-	-	-	-	-	-	-	-	-	-
Sutter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tehama	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tulare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ventura	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yolo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yuba	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Includes cases with rifampin resistant disease, cases with meningeal disease, and cases less than 15 years of age with disseminated tuberculosis disease.
** Patient outcome in jurisdiction reporting the case.
- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Table 50.Tuberculosis Cases by Outcome and Risk Factor for Tuberculosis: California, 2006

	Cases Starting Therapy	Outcome (Reason Therapy Stopped)*															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Moved		Died		Lost		Refused		Other/ Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	**2,675**	**1,881**	**70.3**	**330**	**12.3**	**182**	**6.8**	**191**	**7.1**	**43**	**1.6**	**15**	**0.6**	**8**	**0.3**	**25**	**0.9**
Diagnosed in Correctional Facility																	
No	2,619	1,858	70.9	327	12.5	161	6.1	191	7.3	39	1.5	15	0.6	4	0.2	24	0.9
Yes	55	23	41.8	2	3.6	21	38.2	-	-	4	7.3	-	-	4	7.3	1	1.8
Federal Prison	*5*	*3*	*60.0*	-	-	*1*	*20.0*	-	-	-	-	-	-	*1*	*20.0*	-	-
State Prison	*8*	*2*	*25.0*	-	-	*5*	*62.5*	-	-	-	-	-	-	-	-	*1*	*12.5*
Local Jail	*27*	*16*	*59.3*	*2*	*7.4*	*6*	*22.2*	-	-	*3*	*11.1*	-	-	-	-	-	-
Other/Unknown	*15*	*2*	*13.3*	-	-	*9*	*60.0*	-	-	*1*	*6.7*	-	-	*3*	*20.0*	-	-
Unknown	1	-	-	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Diagnosed in Long-term Care Facility																	
No	2,617	1,858	71.0	325	12.4	179	6.8	166	6.3	42	1.6	15	0.6	8	0.3	24	0.9
Yes	56	22	39.3	4	7.1	3	5.4	25	44.6	1	1.8	-	-	-	-	1	1.8
Unknown	2	1	50.0	1	50.0	-	-	-	-	-	-	-	-	-	-	-	-
Excess Alcohol Use																	
No	2,413	1,730	71.7	300	12.4	156	6.5	155	6.4	30	1.2	14	0.6	6	0.2	22	0.9
Yes	213	129	60.6	26	12.2	20	9.4	22	10.3	12	5.6	1	0.5	2	0.9	1	0.5
Unknown	49	22	44.9	4	8.2	6	12.2	14	28.6	1	2.0	-	-	-	-	2	4.1
Homeless																	
No	2,494	1,782	71.5	300	12.0	162	6.5	174	7.0	32	1.3	15	0.6	7	0.3	22	0.9
Yes	163	92	56.4	26	16.0	18	11.0	14	8.6	10	6.1	-	-	1	0.6	2	1.2
Unknown	18	7	38.9	4	22.2	2	11.1	3	16.7	1	5.6	-	-	-	-	1	5.6
Injecting Drug Use																	
No	2,590	1,841	71.1	320	12.4	175	6.8	170	6.6	41	1.6	15	0.6	8	0.3	20	0.8
Yes	38	22	57.9	5	13.2	3	7.9	6	15.8	-	-	-	-	-	-	2	5.3
Unknown	47	18	38.3	5	10.6	4	8.5	15	31.9	2	4.3	-	-	-	-	3	6.4
Non-Injecting Drug Use																	
No	2,464	1,758	71.3	307	12.5	159	6.5	162	6.6	37	1.5	15	0.6	7	0.3	19	0.8
Yes	158	102	64.6	18	11.4	18	11.4	11	7.0	5	3.2	-	-	1	0.6	3	1.9
Unknown	53	21	39.6	5	9.4	5	9.4	18	34.0	1	1.9	-	-	-	-	3	5.7

* Patient outcome in jurisdiction reporting the case.
- Indicates zero cases or zero percent.

Table 51. Outcome in Tuberculosis Cases for Whom One Year or Less of Treatment was Indicated*, by Risk Factor for Tuberculosis: California, 2006

	Cases Starting Therapy	Outcome (Reason Therapy Stppped)**															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Moved		Died		Lost		Refused		Other/ Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	**2,585**	**1,861**	**72.0**	**285**	**11.0**	**175**	**6.8**	**180**	**7.0**	**43**	**1.7**	**15**	**0.6**	**8**	**0.3**	**18**	**0.7**
Diagnosed in Correctional Facility																	
No	2,530	1,838	72.6	282	11.1	155	6.1	180	7.1	39	1.5	15	0.6	4	0.2	17	0.7
Yes	54	23	42.6	2	3.7	20	37.0	-	-	4	7.4	-	-	4	7.4	1	1.9
Federal Prison	*5*	*3*	*60.0*	-	-	*1*	*20.0*	-	-	-	-	-	-	*1*	*20.0*	-	-
State Prison	*8*	*2*	*25.0*	-	-	*5*	*62.5*	-	-	-	-	-	-	-	-	*1*	*12.5*
Local Jail	*27*	*16*	*59.3*	*2*	*7.4*	*6*	*22.2*	-	-	*3*	*11.1*	-	-	-	-	-	-
Other/Unknown	*14*	*2*	*14.3*	-	-	*8*	*57.1*	-	-	*1*	*7.1*	-	-	*3*	*21.4*	-	-
Unknown	1	-	-	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Diagnosed in Long-term Care Facility																	
No	2,528	1,838	72.7	280	11.1	172	6.8	156	6.2	42	1.7	15	0.6	8	0.3	17	0.7
Yes	55	22	40.0	4	7.3	3	5.5	24	43.6	1	1.8	-	-	-	-	1	1.8
Unknown	2	1	50.0	1	50.0	-	-	-	-	-	-	-	-	-	-	-	-
Excess Alcohol Use																	
No	2,330	1,711	73.4	257	11.0	150	6.4	147	6.3	30	1.3	14	0.6	6	0.3	15	0.6
Yes	207	128	61.8	24	11.6	19	9.2	20	9.7	12	5.8	1	0.5	2	1.0	1	0.5
Unknown	48	22	45.8	4	8.3	6	12.5	13	27.1	1	2.1	-	-	-	-	2	4.2
Homeless																	
No	2,408	1,762	73.2	258	10.7	156	6.5	163	6.8	32	1.3	15	0.6	7	0.3	15	0.6
Yes	161	92	57.1	25	15.5	17	10.6	14	8.7	10	6.2	-	-	1	0.6	2	1.2
Unknown	16	7	43.8	2	12.5	2	12.5	3	18.8	1	6.3	-	-	-	-	1	6.3
Injecting Drug Use																	
No	2,502	1,822	72.8	275	11.0	168	6.7	160	6.4	41	1.6	15	0.6	8	0.3	13	0.5
Yes	37	21	56.8	5	13.5	3	8.1	6	16.2	-	-	-	-	-	-	2	5.4
Unknown	46	18	39.1	5	10.9	4	8.7	14	30.4	2	4.3	-	-	-	-	3	6.5
Non-Injecting Drug Use																	
No	2,380	1,739	73.1	264	11.1	152	6.4	153	6.4	37	1.6	15	0.6	7	0.3	13	0.5
Yes	153	101	66.0	16	10.5	18	11.8	10	6.5	5	3.3	-	-	1	0.7	2	1.3
Unknown	52	21	40.4	5	9.6	5	9.6	17	32.7	1	1.9	-	-	-	-	3	5.8

* Excludes cases with rifampin resistant disease, cases with meningeal disease, and cases less than 15 years of age with disseminated tuberculosis disease.
** Patient outcome in jurisdiction reporting the case.
- Indicates zero cases or zero percent.

California Department of Public Health, Tuberculosis Control Branch

Figure 1. Number of Tuberculosis Cases: California, 1930-2008

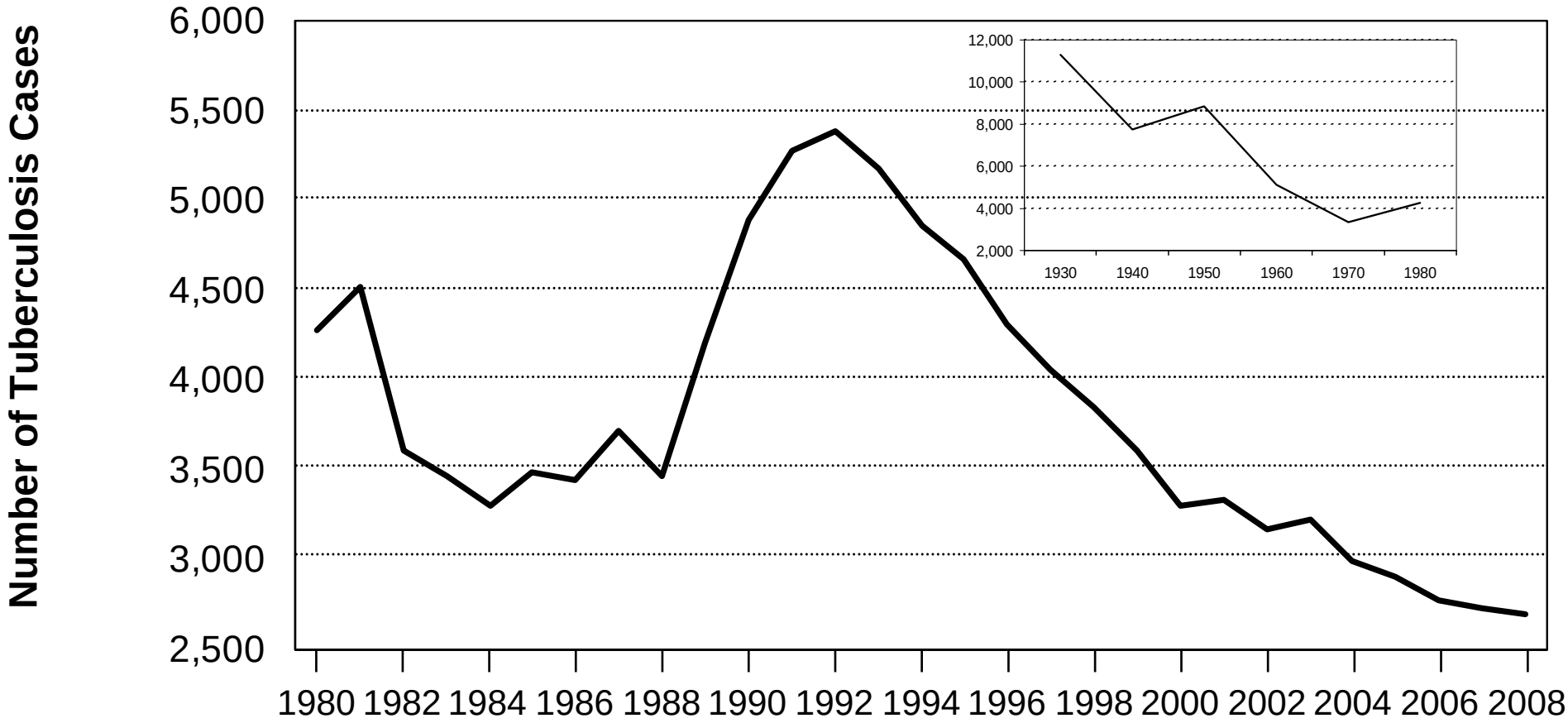

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Figure 2. Number of Tuberculosis Cases and Case Rates: California, 1999-2008

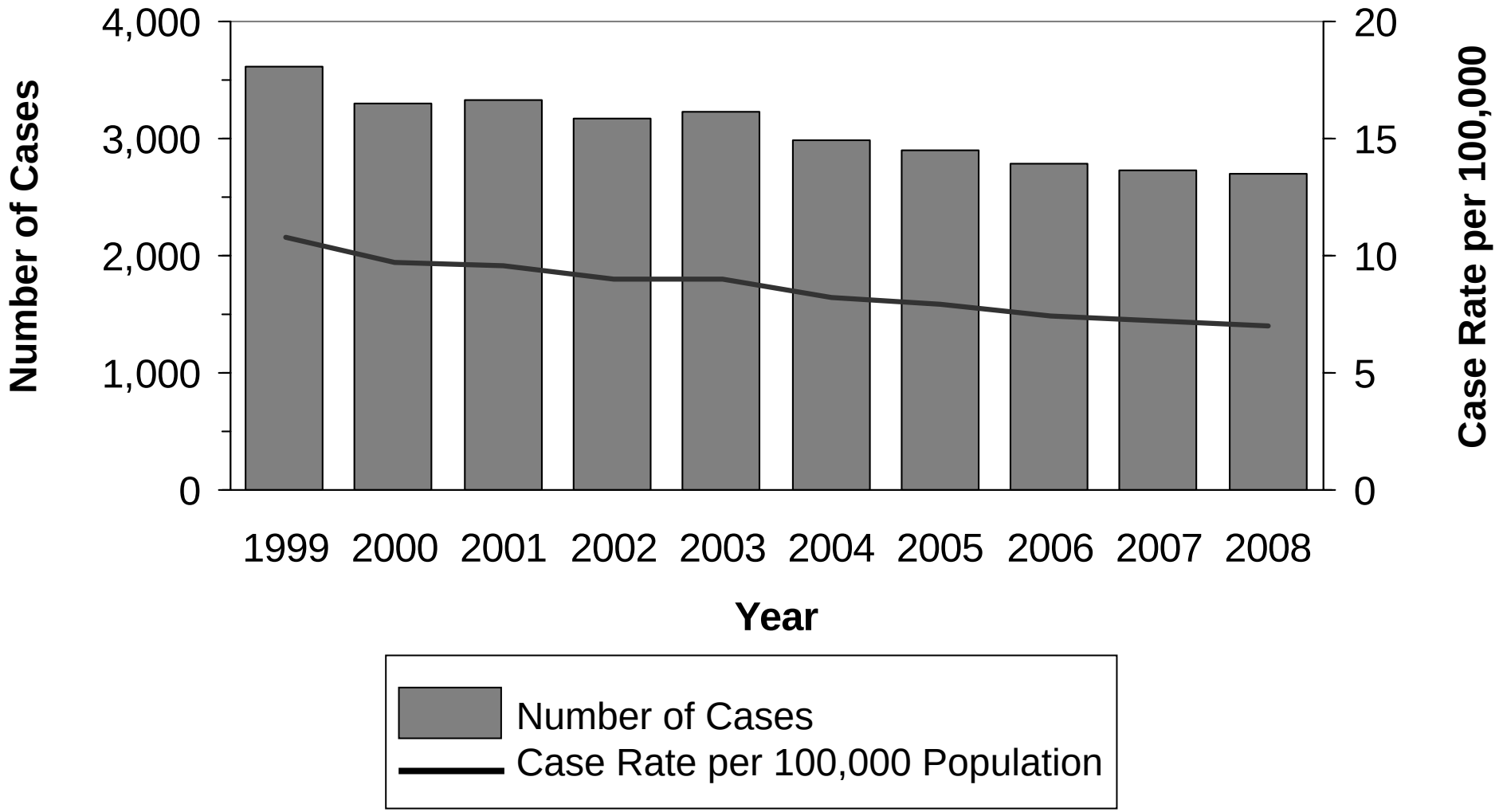

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Figure 3. Tuberculosis Cases by Race/Ethnicity: California, 2008

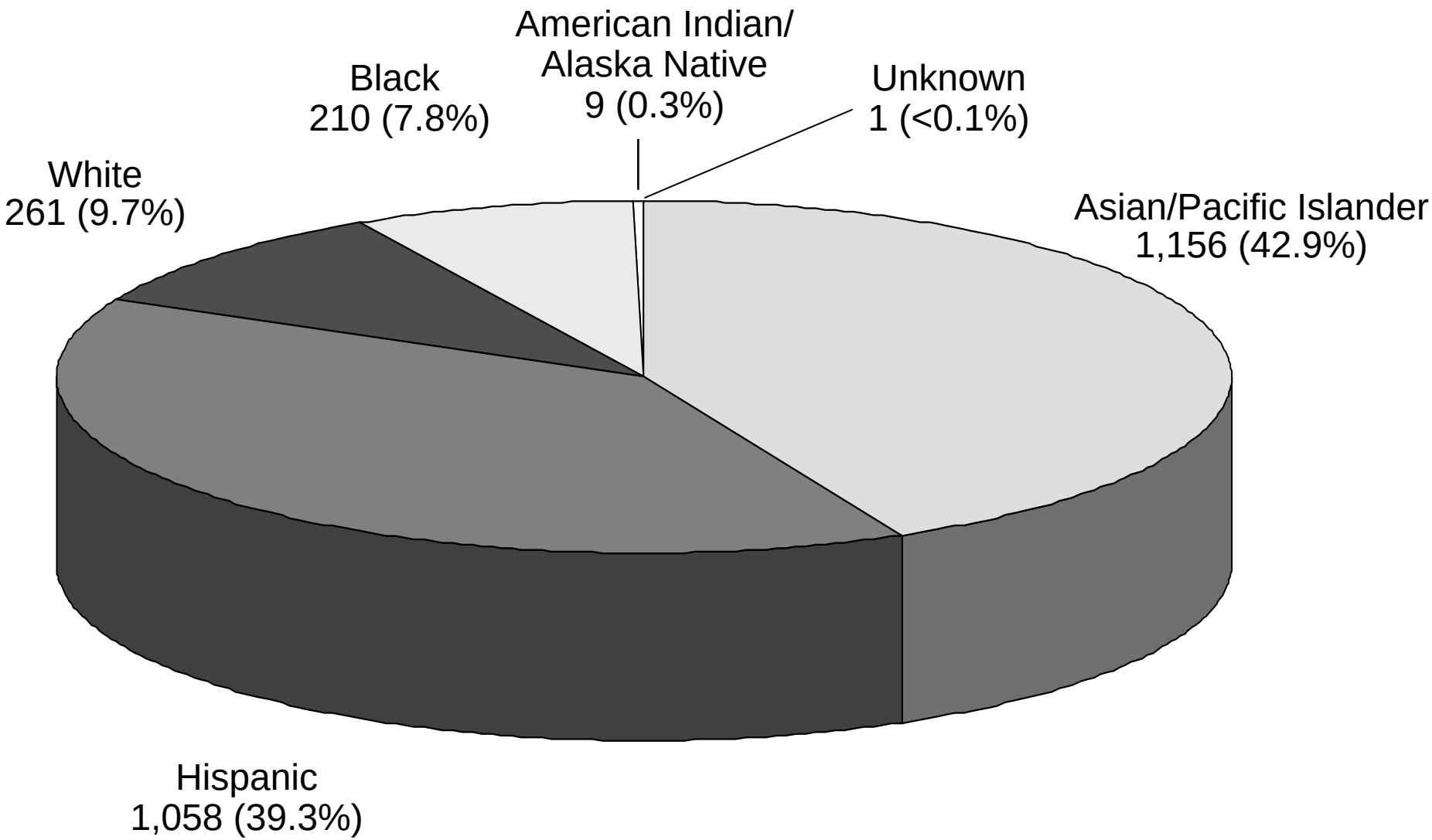

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Figure 4. Tuberculosis Case Rates by Race/Ethnicity: California, 1999-2008

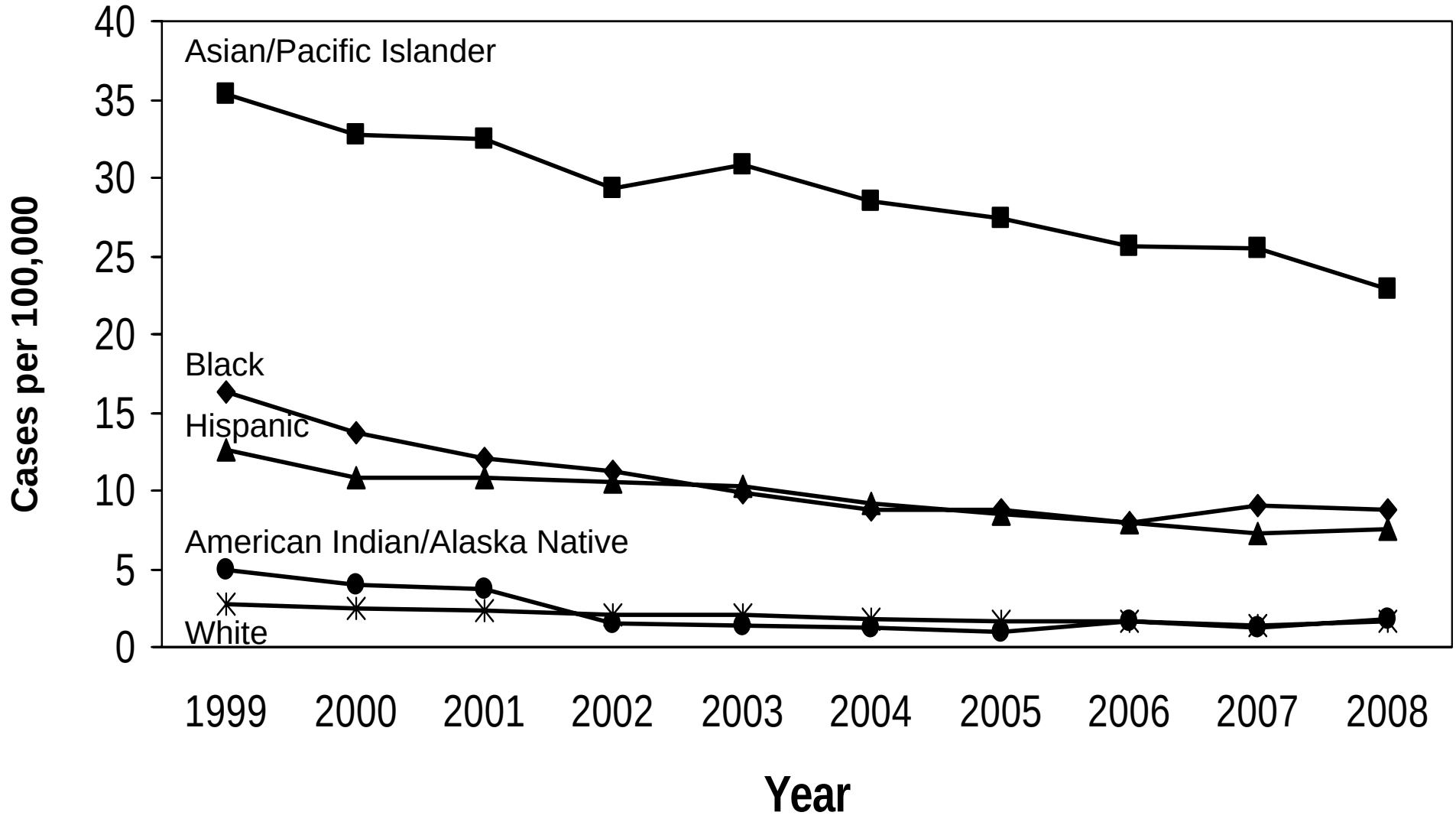

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Figure 5. Tuberculosis Cases in Foreign-born and U.S.-born Persons: California, 1999-2008

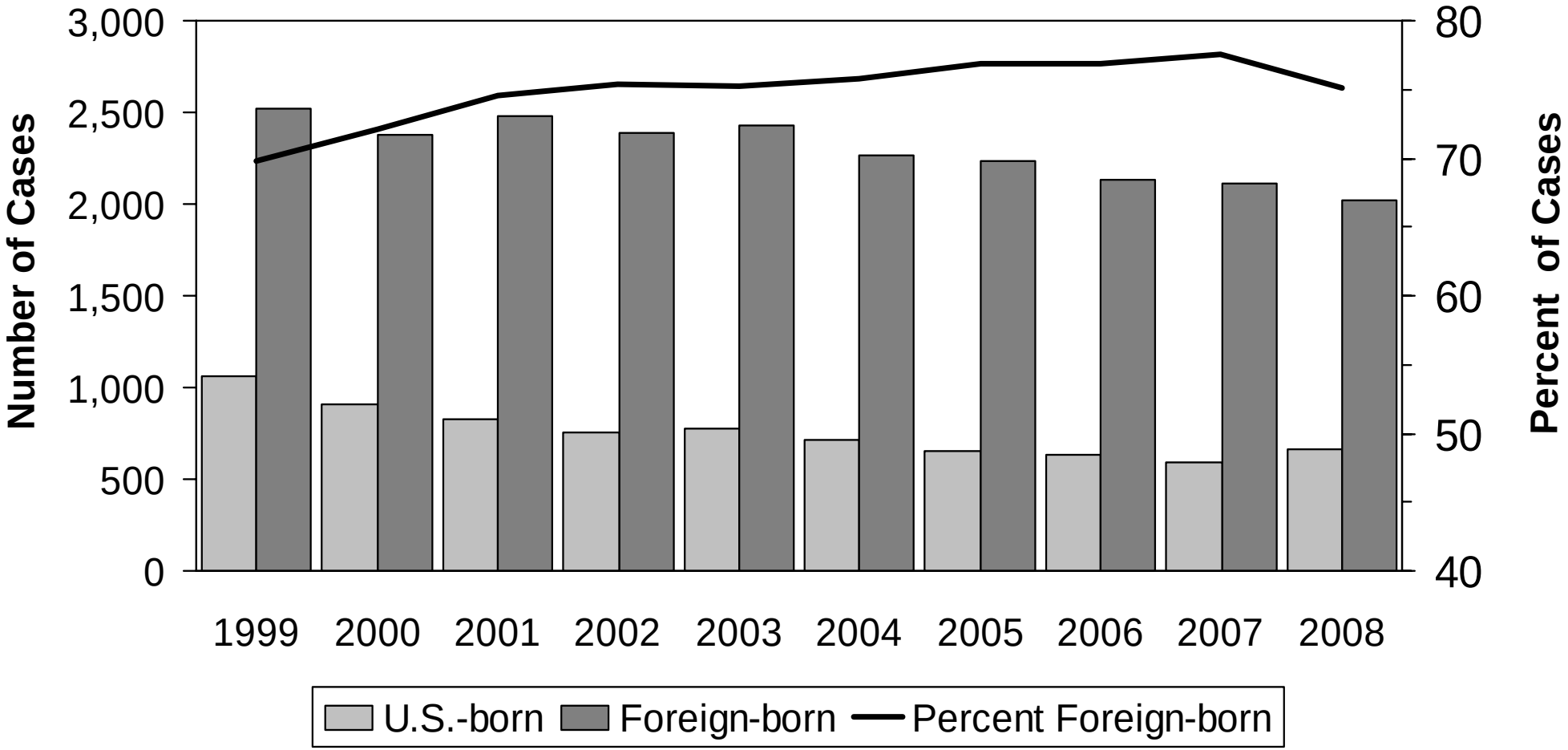

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Figure 6. Tuberculosis Cases by Country of Origin: California, 2008

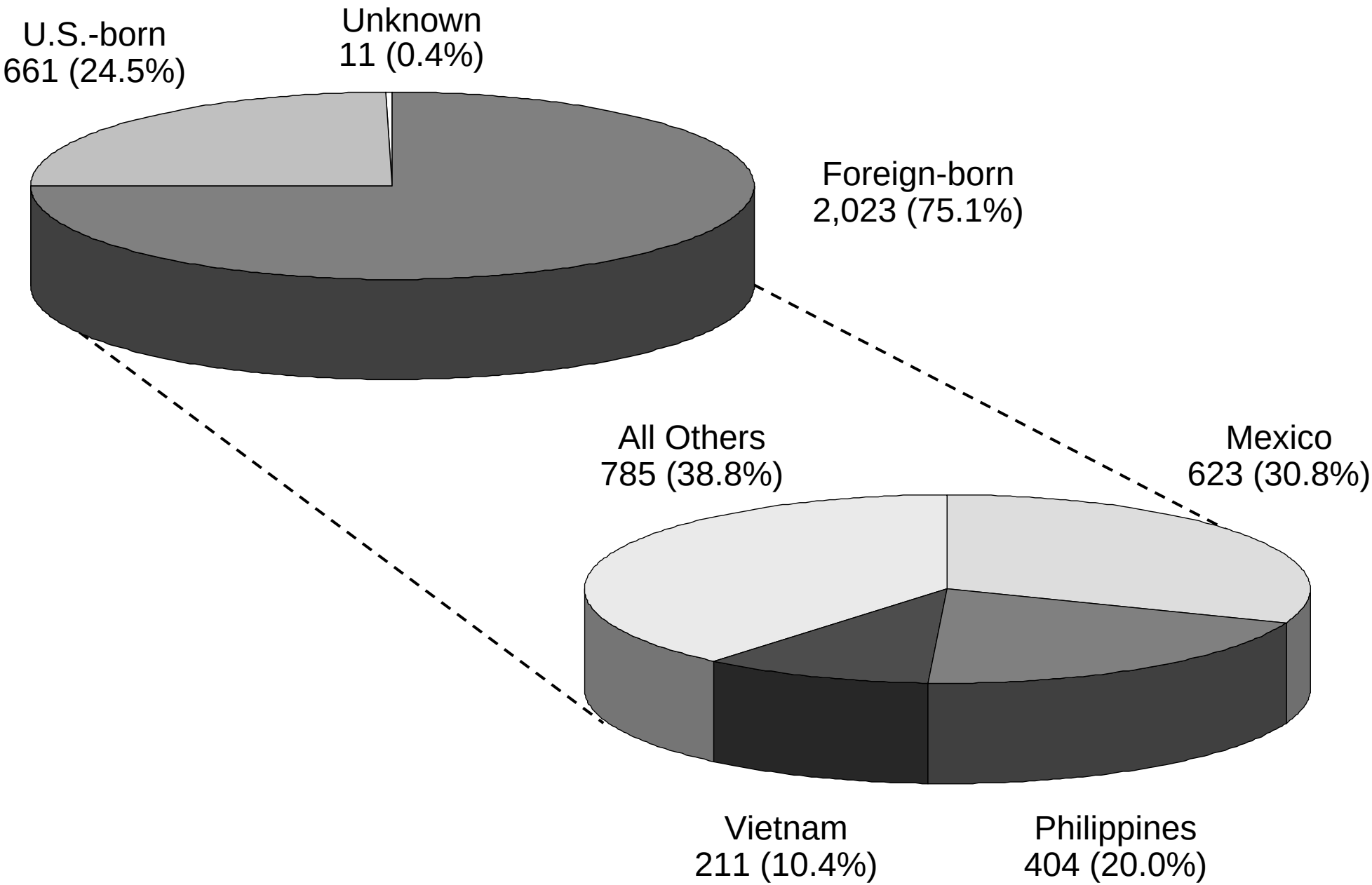

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Figure 7. Tuberculosis Cases in Persons 0-4 Years of Age: California, 1999-2008

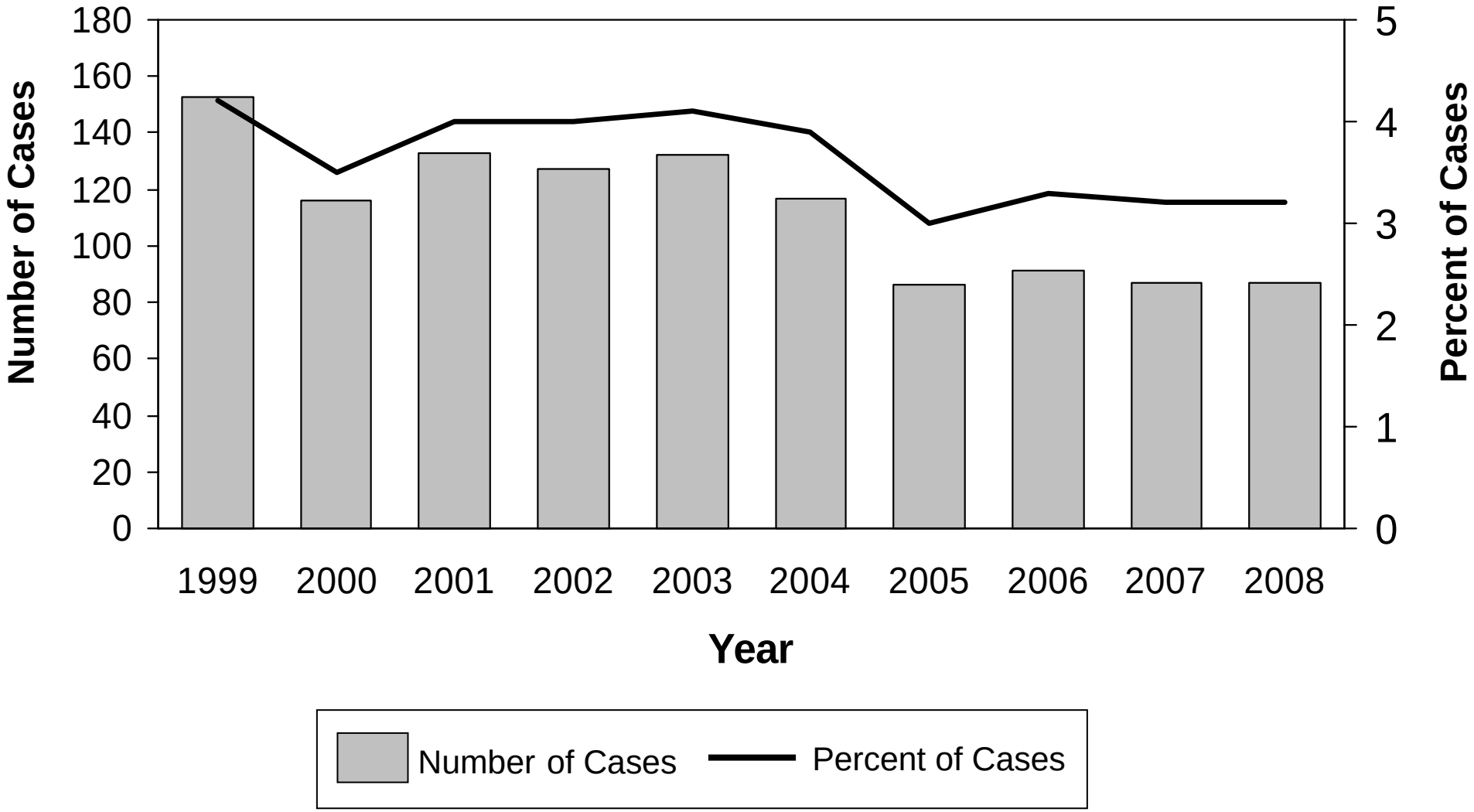

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Figure 8. Tuberculosis Cases by Verification Criteria: California, 2008

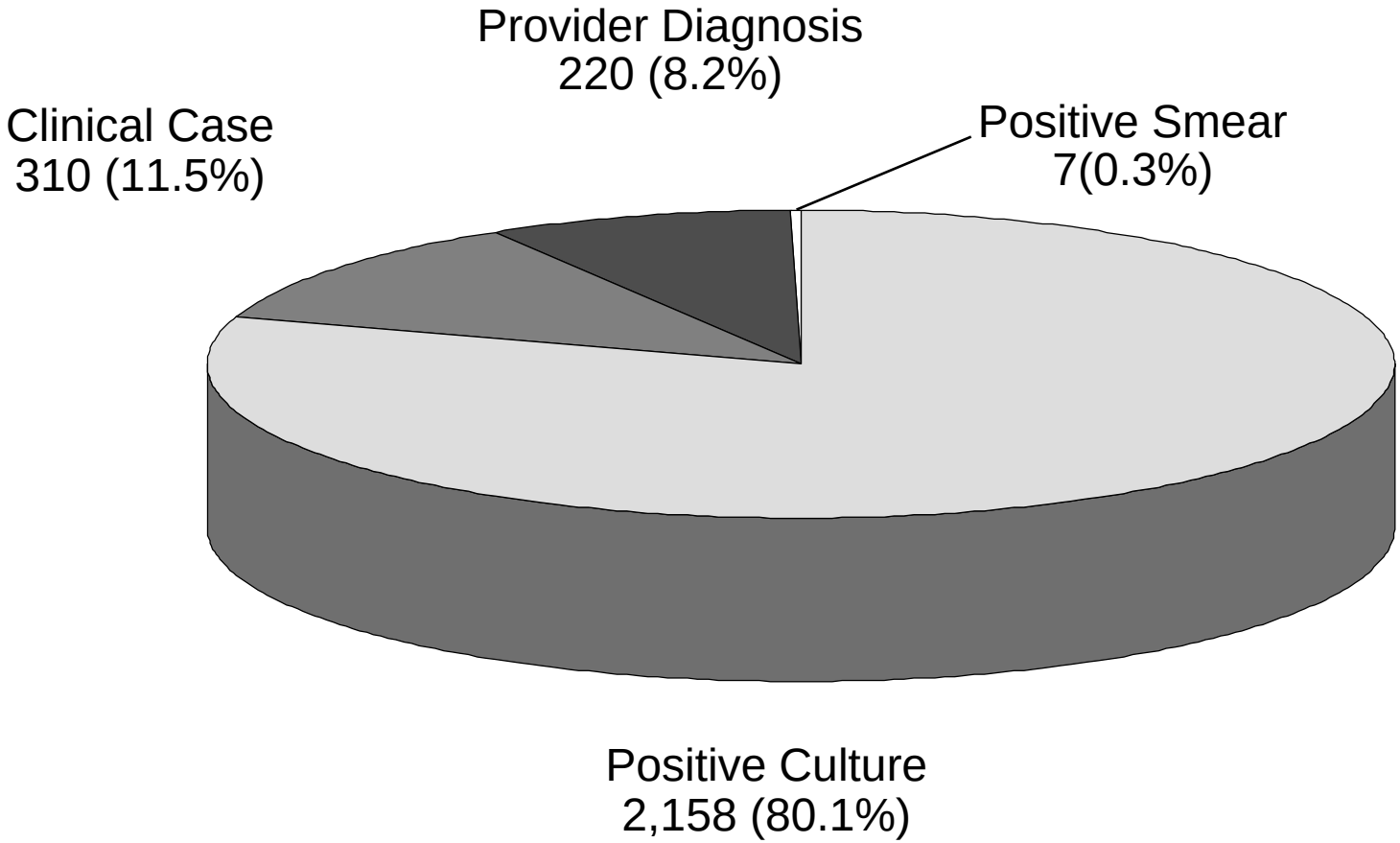

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Figure 9. Deaths in Persons with Tuberculosis: California, 1997-2006

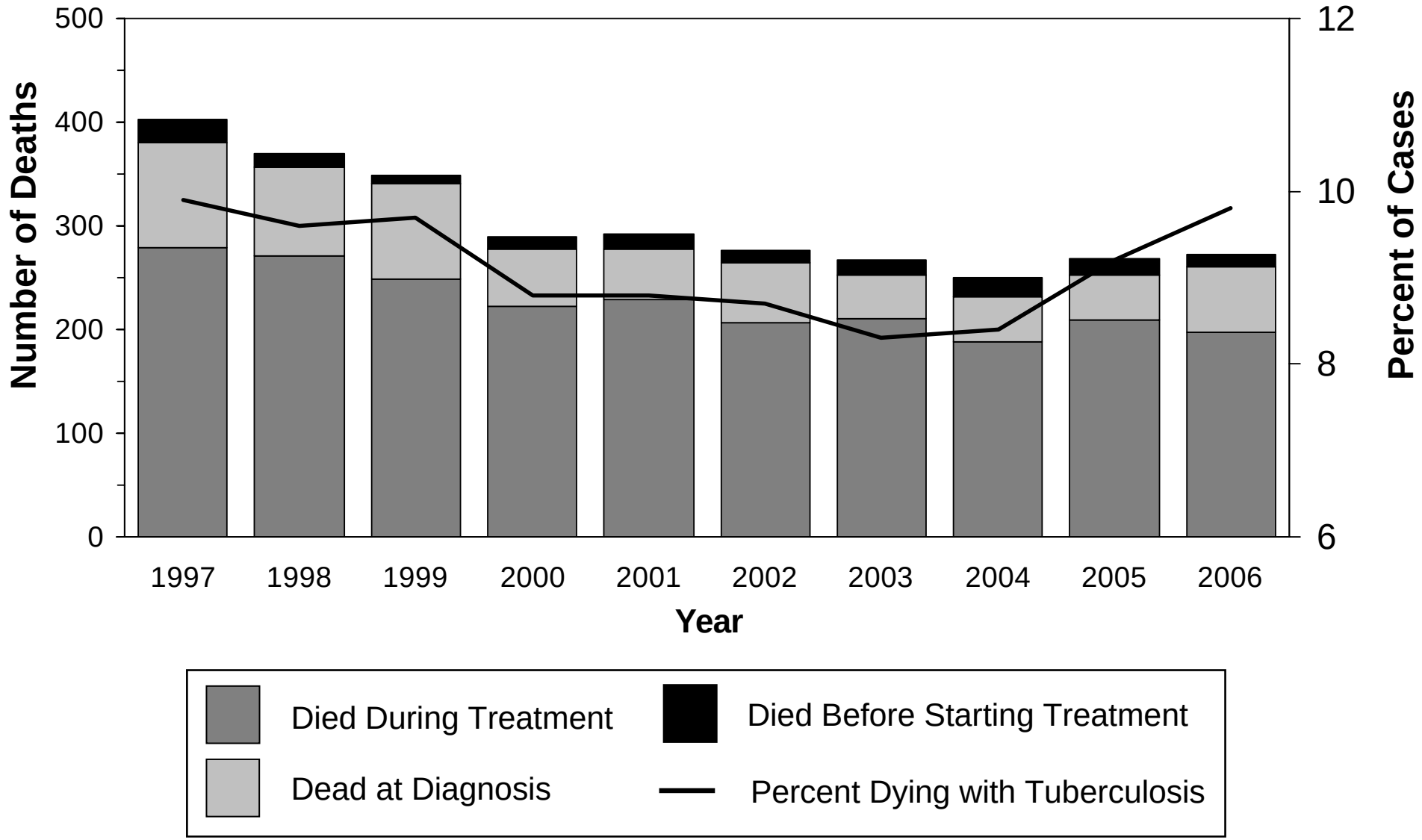

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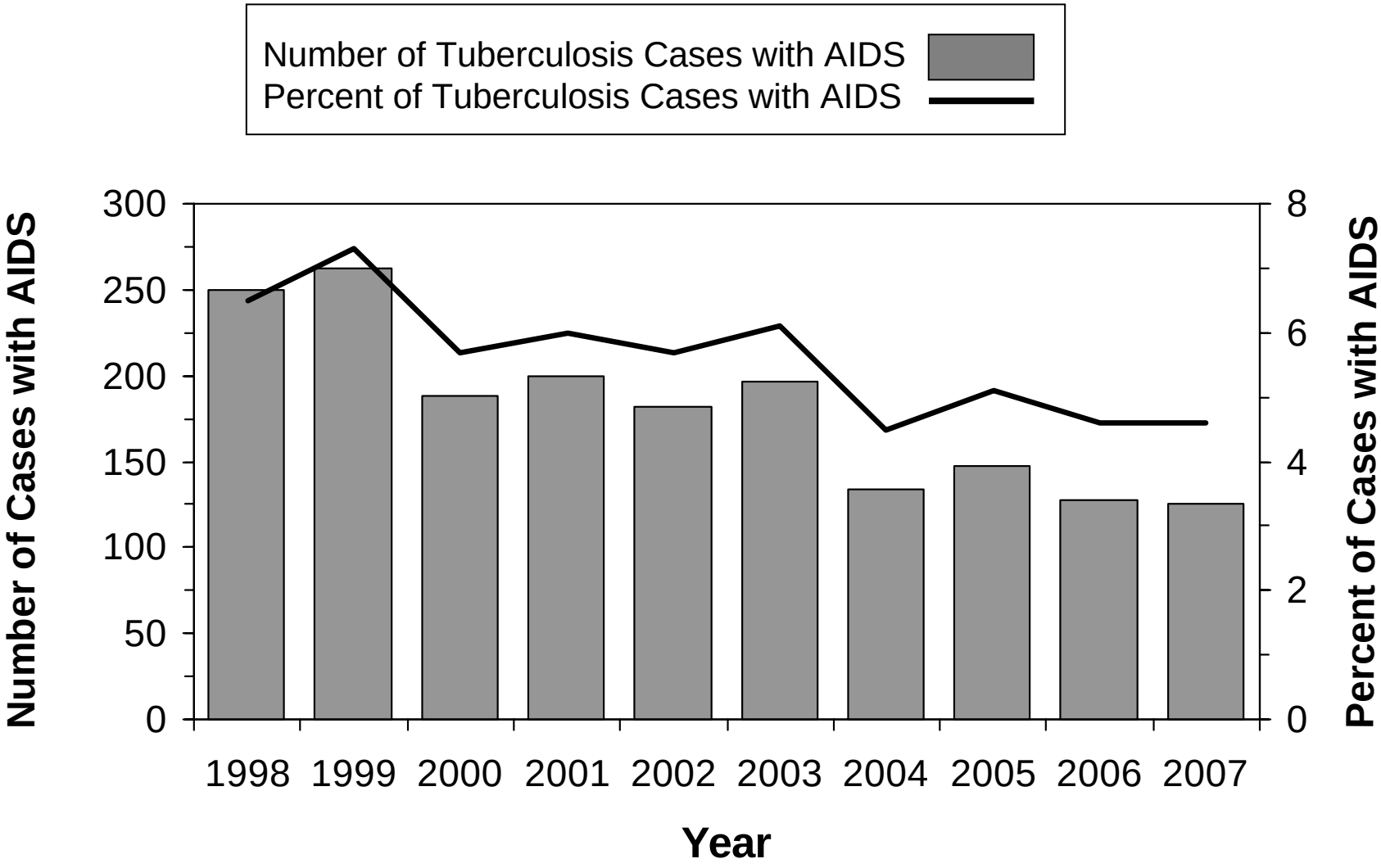
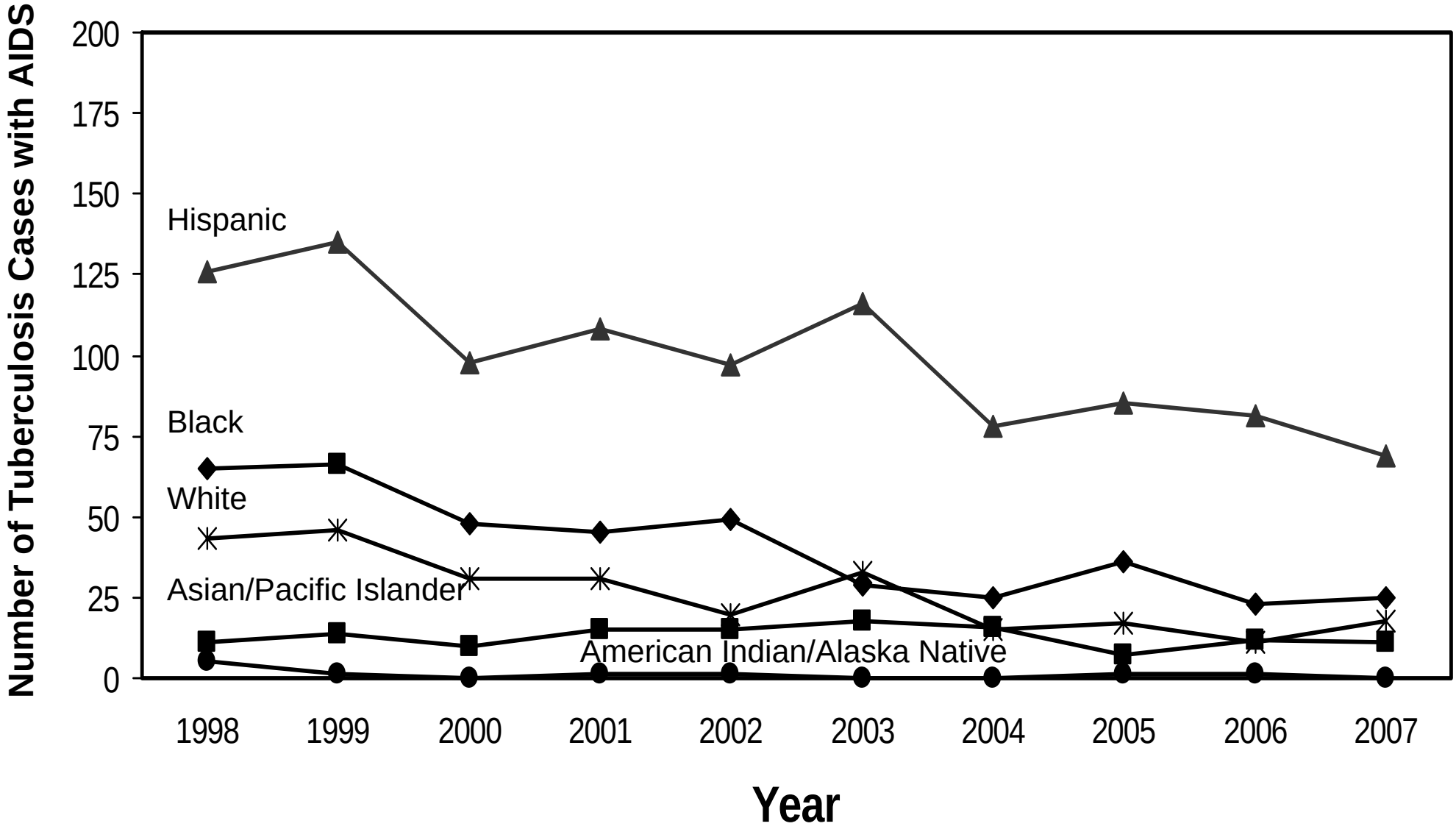
Figure 10. Tuberculosis Cases by AIDS Diagnosis*: California, 1998-2007



* Match found in AIDS Case Registry, California Office of AIDS.

California Department of Public Health, Tuberculosis Control Branch

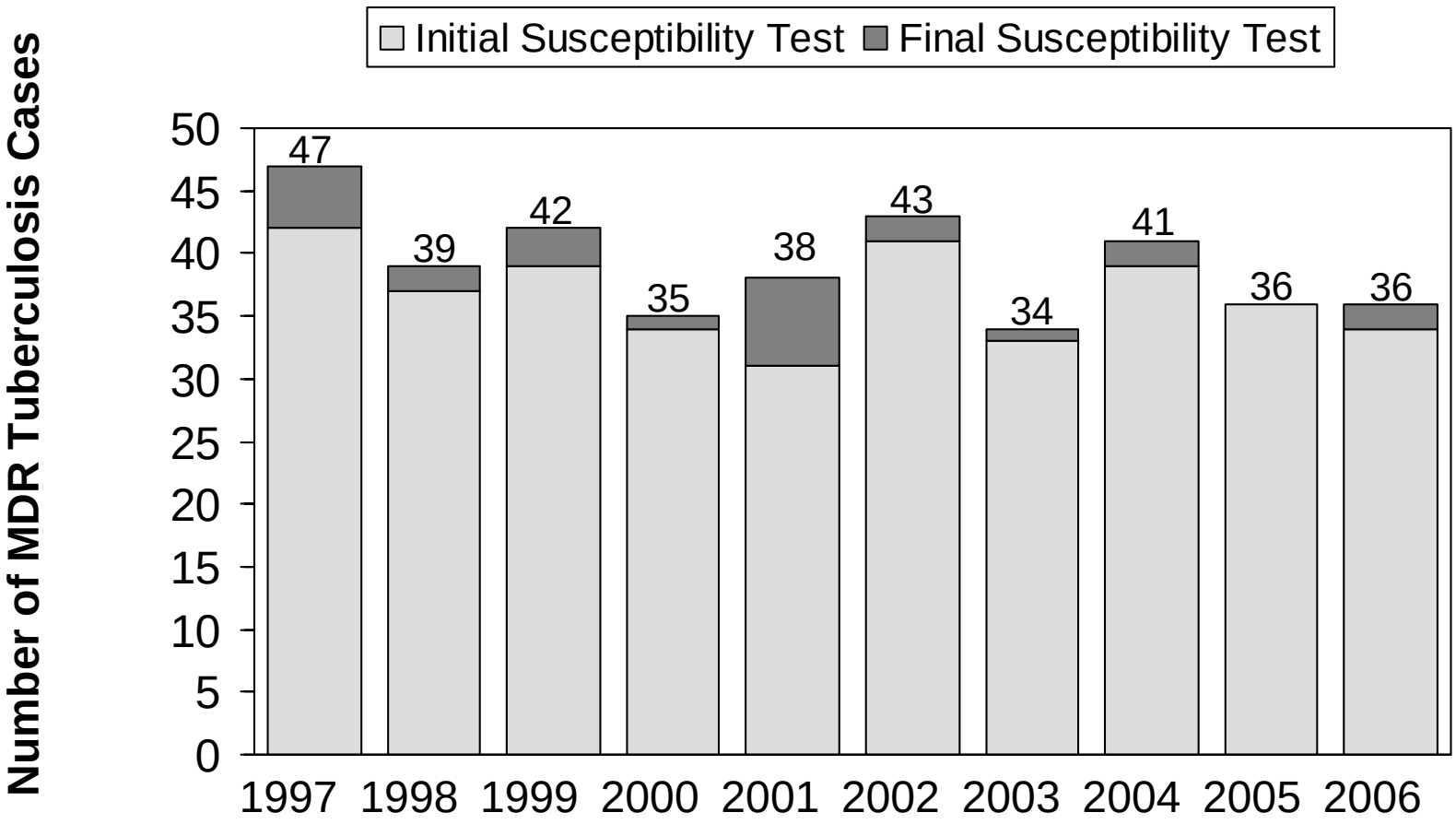
Figure 11. AIDS-associated Tuberculosis* by Race/Ethnicity: California, 1998-2007



* Match found in AIDS Case Registry, California Office of AIDS.

California Department of Public Health, Tuberculosis Control Branch

Figure 12. Tuberculosis Cases with Multidrug Resistance (MDR) on Initial or Final Drug Susceptibility Testing*: California, 1997-2006



*Cases with resistance to at least isoniazid, and either rifampin or rifabutin reported on the Initial Drug Susceptibility Report (Follow-up 1) or on the Case Completion Report (Follow-up 2).

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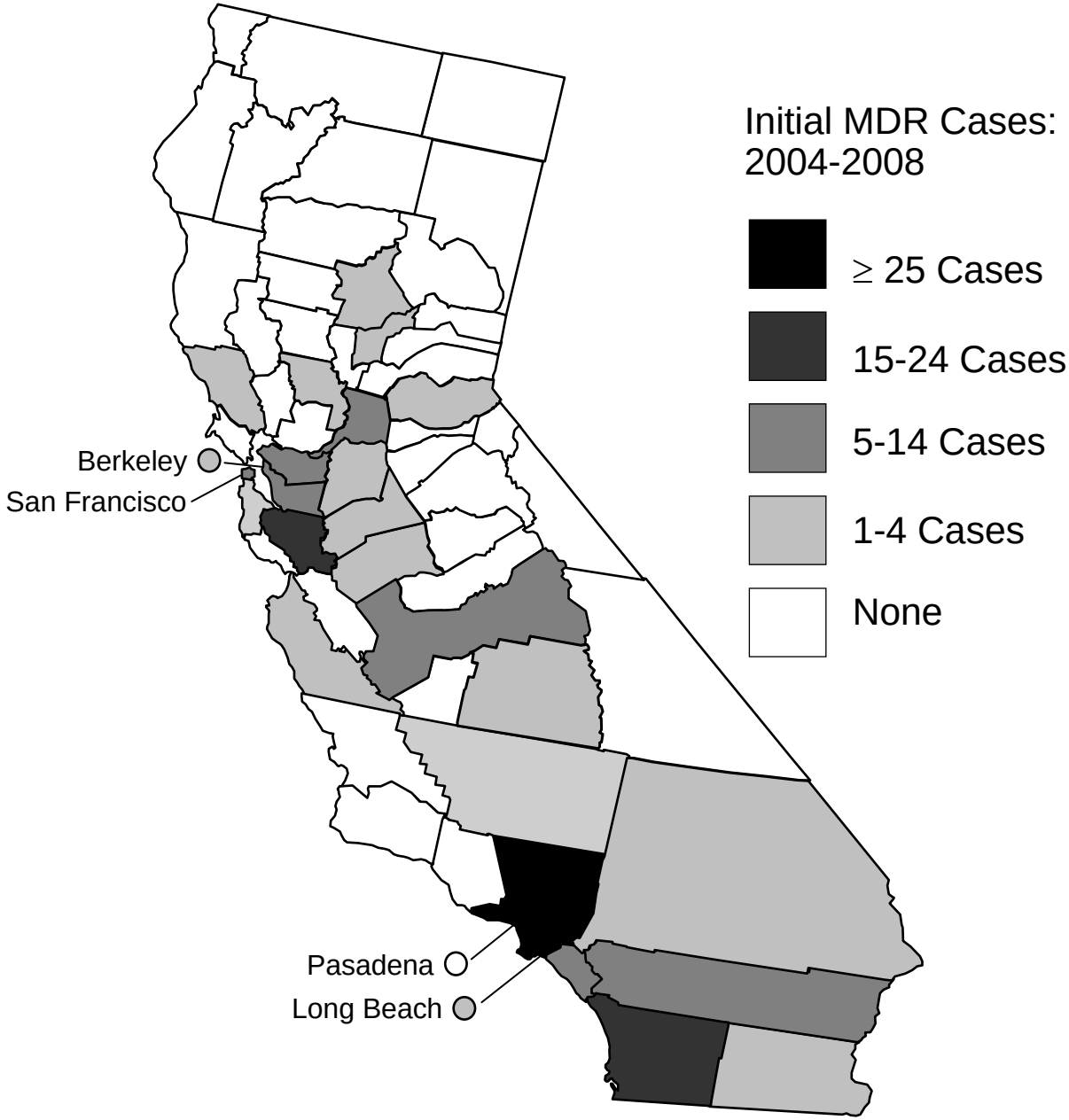
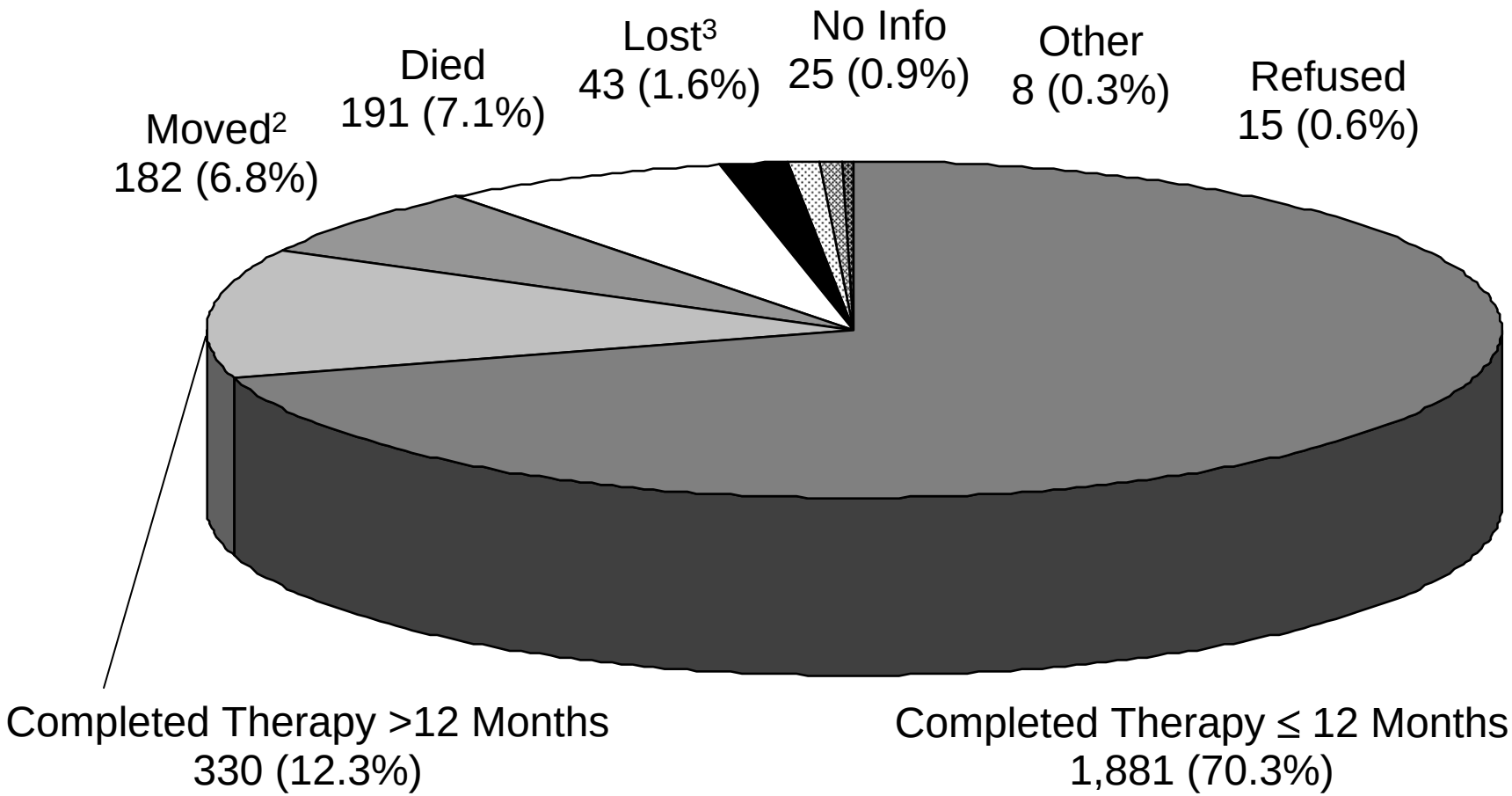
Figure 13. Tuberculosis Cases with Initial Multidrug Resistance (MDR)*: California, 2004-2008



*Cases with initial drug resistance to at least isoniazid, and either rifampin or rifabutin.

California Department of Public Health, Tuberculosis Control Branch

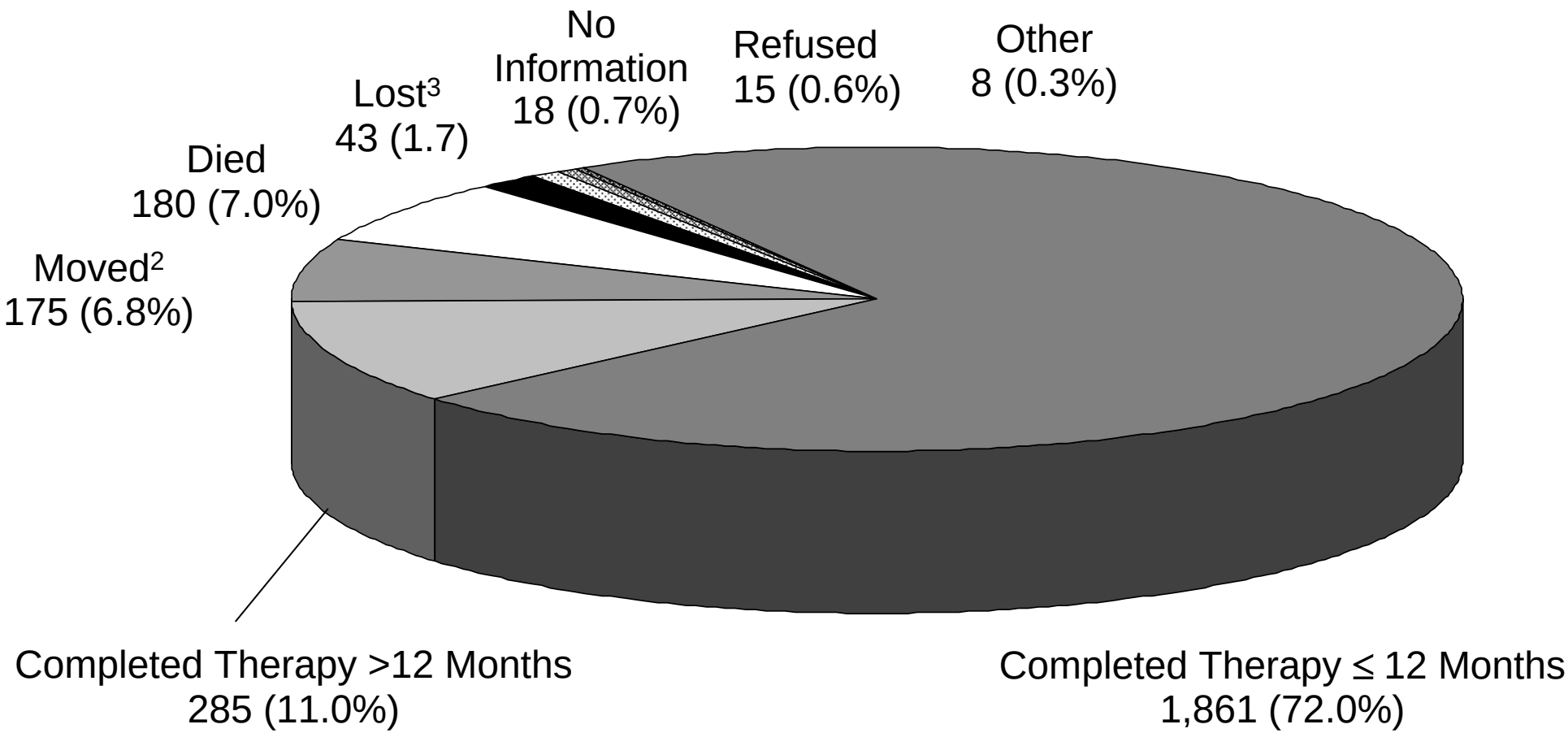
Figure 14. Tuberculosis Cases[1] by Outcome of Therapy: California, 2006



[1] Patient alive at diagnosis and started on an initial drug regimen of one or more drugs.
[2] Patient moved to another jurisdiction with a known forwarding address before treatment was completed.
[3] Patient could not be located prior to the completion of treatment.

California Department of Public Health, Tuberculosis Control Branch

Figure 15. Outcome in Tuberculosis Cases for Whom One Year or Less of Treatment was Indicated[1]: California, 2006



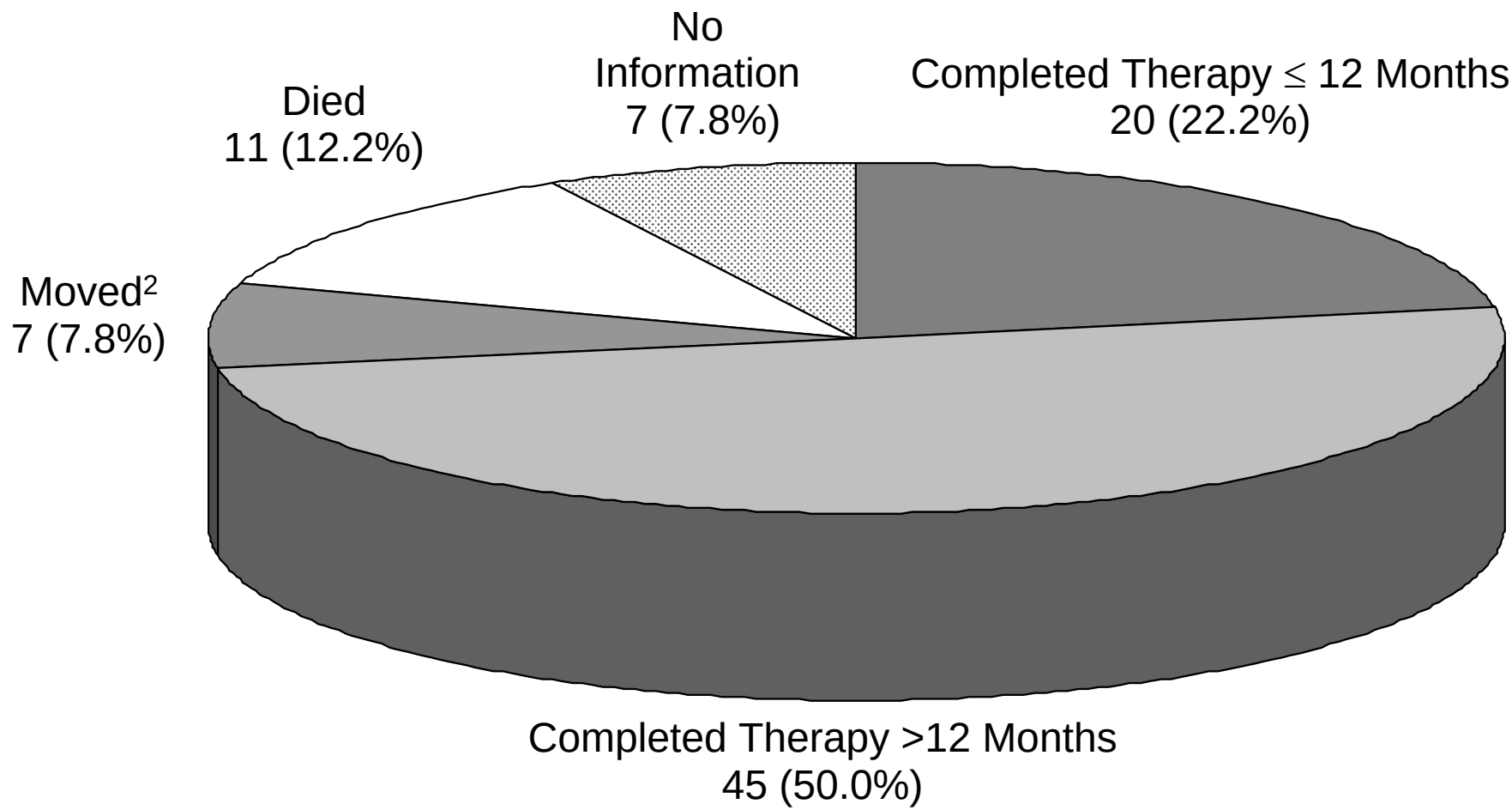
[1] Excludes cases with rifampin resistant disease, cases with meningeal disease, and cases less than 15 years of age with disseminated tuberculosis disease.

[2] Moved to another jurisdiction with a known forwarding address before treatment was completed.

[3] Patient could not be located prior to the completion of treatment.

California Department of Public Health, Tuberculosis Control Branch

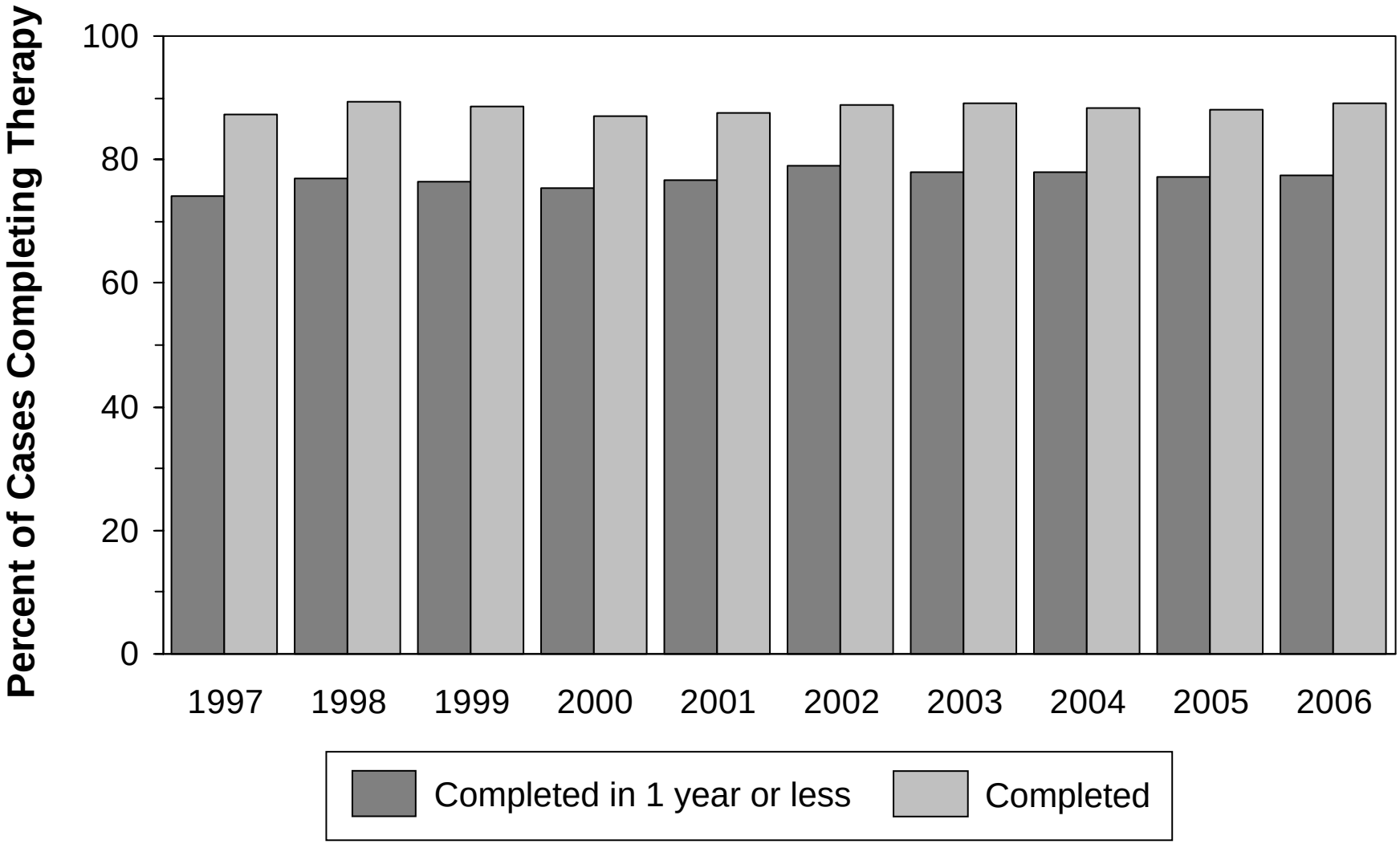
Figure 16. Outcome in Tuberculosis Cases for Whom Greater than One Year of Treatment was Indicated[1]: California, 2006



[1]Includes cases with rifampin resistant disease, cases with meningeal disease, and cases less than 15 years of age with disseminated tuberculosis disease.
[2] Patient moved to another jurisdiction with a known forwarding address before treatment was completed.
[3] Patient could not be located prior to the completion of treatment.

California Department of Public Health, Tuberculosis Control Branch

Figure 17. Completion of Tuberculosis Therapy: California,1997-2006



Note: Excludes cases with rifampin resistant disease, cases with meningeal disease, cases less than 15 years of age with disseminated tuberculosis disease, and those that died during treatment.

California Department of Public Health, Tuberculosis Control Branch

Technical Notes

Reporting Jurisdictions

California has 61 jurisdictions reporting on TB morbidity. There are 58 counties and the cities of Berkeley, Long Beach, and Pasadena. Reports from Alameda County exclude TB cases from the city of Berkeley, and reports from Los Angeles County exclude cases from the cities of Long Beach and Pasadena.

TB Cases

A TB case submitted to the TBCB Registry by January 15, 2009 was included in this report if the case was confirmed as active TB between January 1 and December 31, 2008. After reporting the case, a jurisdiction may subsequently decide that a reported case did not have TB. Also, a few cases may be reported after the submission deadline. These changes will be reflected in future reports. Therefore, the total number of TB cases counted in a given year may change, although usually by a very small number of cases. For historical data in Tables 1–5 and 12–14, we used the original number of reported cases, not the revised number. For all other tables, the revised number of cases was used.

Population Data

State and county population totals, and data by age, sex, and race/ethnic group for California are from the following sources published by the State of California, Department of Finance: *Race/Ethnic Population with Age and Sex Detail*, *1970–1989,* December 1998; *Race/Ethnic Population with Age and Sex Detail, 1990–1999*, May 2004; and *Population Projections by Race/Ethnicity for California, 2000–2050*, May 2004.

Population data for 1985–2000 for the cities of Berkeley, Long Beach, and Pasadena are from the following sources: State of California, Department of Finance, *E–4 Population Estimates for California Cities and Counties, January 1, 1981, to January 1, 1990,* Sacramento, California, May 2005; State of California, Department of Finance, *E–4 Revised Historical City, County, and State Population Estimates, 1991–2000, with 1990 and 2000 Census Counts*, Sacramento, California, March 2002. City population data for 2001-2008 are from the annual series: State of California, Department of Finance, *E–1 Population Estimates for Cities, Counties, and the State with Annual Percentage Change,* Sacramento, California*.* Population totals for the jurisdiction of Alameda were calculated by subtracting Berkeley totals from Alameda County totals; population totals for the jurisdiction of Los Angeles were calculated by subtracting Long Beach and Pasadena totals from Los Angeles County totals.

Population data used to calculate rates of TB among foreign-born and U.S.-born persons are from the *Current Population Survey*, published annually by the California Department of Finance.

To calculate 2000–2008 TB rates for race/ethnic groups that are comparable to the race/ethnic categories prior to 2000, the multi-race category in the 2000–2008 population data was reallocated to a single race/ethnic group according to the allocation table in this source: State of California, Department of Finance, *Suggested Allocations of the Multi-race Category for Use with Projections by Race/Ethnicity for California and Its Counties, 2000–2050*, Sacramento, California, June 2004.

Small Case Numbers

While there are different methods for reporting the rates of rare events, we have chosen not to report rates when the total number of TB cases is less than five. Rates of zero, based on no TB cases, are also not reported. Where the rate is not reported, changes in rate over time are also not reported.

In tables that report demographics of, and risk factors for, TB cases by reporting jurisdictions (Tables 15–19, 29–36), data from jurisdictions with less than five cases of TB are aggregated to reduce the likelihood that individual TB cases in a given jurisdiction can be identified.

The following 14 jurisdictions had one to four cases of TB in 2008: Berkeley, Butte, Colusa, El Dorado, Glenn, Lake, Mendocino, Napa, Nevada, Placer, San Benito, San Luis Obispo, Shasta, and Tehama counties. The following 15 jurisdictions had no TB cases in 2008: Alpine, Amador, Calaveras, Del Norte, Humboldt, Inyo, Lassen, Mariposa, Modoc, Mono, Plumas, Sierra, Siskiyou, Trinity, and Tuolumne counties.

Race/Ethnicity

The RVCT has one variable for race and one for ethnicity. If a case is classified as “Hispanic” on the RVCT, then the case is reported as “Hispanic” in this report, regardless of race.

Beginning in 2003, the federal Office of Management and Budget (OMB) reporting mandates required separate reporting of Asian and Pacific Islander/Native Hawaiian races, as well as the opportunity for persons to identify themselves by one or more racial groups. In 2008, 1,141 persons with TB in California were reported as Asian only (not Hispanic), and 12 persons were reported as Pacific Islander or Native Hawaiian only (not Hispanic). In tables where data on race/ethnicity are presented (except Table 17) these persons are combined in the Asian/Pacific Islander race/ethnic group, in order to provide comparability to previous years’ data. In 2008, there were six non-Hispanic persons reporting more than one race category. Two persons reported as White

and Black and one person reported as Asian and Black are included in the Black race/ethnicity group. Two persons reported as White and Asian, and one person reported as Asian and Native Hawaiian/Pacific Islander are included in the Asian/Pacific Islander race/ethnicity group.

AIDS–associated TB

TB cases co-infected with the human immunodeficiency virus (HIV), and diagnosed and reported with acquired immunodeficiency syndrome (AIDS), are identified by matching TBCB Registry data with the AIDS case registry in the California Department of Public Health, Office of AIDS. At the time of this report, the match results were not available for 2008.

Ranking of Jurisdictions

For Table 12, jurisdictions are ranked in order of decreasing 2008 case rates with the highest rank first. Those jurisdictions with one to four cases are not given a rate and are given the same rank; they are listed according to decreasing number of cases. Jurisdictions with no cases of TB are given the same rank and they are listed in alphabetical order. Jurisdictions with the same rate are given the higher rank; the subsequent rank is skipped.

Case Completion Reports

Because the Case Completion Report (Follow-up 2) is not submitted until many months after a TB case is initially reported, 2006 data on health care provider type, DOT and treatment outcomes (Tables 27, 28, 47–51, Figures 14–17) are the most recent available and are reported here. The source of data for these tables and figures is the jurisdiction that originally reported the case. Thus, the data in these tables reflect the practices and outcomes of case management in the jurisdiction that counted the case. For example, if a patient moved from jurisdiction A to jurisdiction B and completed therapy in jurisdiction B, he is counted as a “moved” case in jurisdiction A; the subsequent completion of therapy is not included in our tables. Or, if a patient received DOT in jurisdiction A, but not in jurisdiction B, these tables reflect only that he received DOT in jurisdiction A.

Data for Figure 17 (Completion of Tuberculosis Therapy: California, 1997–2006) are from the final Follow-up 2 submitted and, therefore, represent the overall treatment completion rate for cases beginning therapy for TB disease in California. Treatment completion may have occurred in the jurisdiction reporting the case, in another California jurisdiction, or in another state.

Drug Susceptibility Reports

Tables 37–44 present the results of initial drug susceptibility testing for the most recent year (2008). Because the Initial Drug Susceptibility Report (Follow-up 1) may be submitted several months after the initial case report, all results may not have been available at the time this report was prepared. At the time of report preparation, drug susceptibility testing was approximately 95 percent complete for culture-positive TB cases. As additional Follow-up 1 reports are submitted, overall proportions of drug resistance may change slightly. These updated results will be available in future reports, in tables presenting trends in drug resistance (Tables 45, 46, Figure 12).

Figure 12 presents MDR TB cases (defined as cases with an isolate resistant to at least isoniazid, and either rifampin or rifabutin) reported on the Initial Drug Susceptibility Report (Follow-up 1) or the Case Completion Report (Follow-up 2).

Treatment Outcomes

Categories for completion of therapy (Tables 47–51, Figures 14–17) are: completed therapy in 12 months or less (includes patients whose treatment was completed in 365 days or less); completed therapy in more than 12 months (treatment completed in more than 365 days, or treatment completed in an undetermined amount of time). If the day of the month is missing from the treatment start or stop date (but the month and year are available), the missing day is set to the first of the month. Because the day of the month is much more likely to be missing from the stop date than the start date, the bias in calculating the duration of therapy is toward shorter duration of therapy.

Cases known to have started treatment, but for whom no Follow-up 2 is available are included in the “No Information” category. All other outcome categories reflect the “Reason Therapy Stopped” (question 37) variable of the Follow-up 2.

Table 48 and Figure 15 present outcomes of TB treatment for cases expected to complete TB therapy in one year of less. Thus, cases with rifampin-resistant disease, those with meningeal disease, and children less than 15 years of age with disseminated TB disease are excluded. Treatment outcomes for those cases not expected to complete therapy in one year (rifampin-resistant disease, meningeal disease, and children less than 15 with disseminated disease) are presented in Table 49 and Figure 16.

Figure 17 presents completion of TB therapy using methodology identical to that used by CDC. Patients with rifampin-resistant disease, patients with meningeal disease, patients under 15 years of age with disseminated disease, and patients who died during treatment are excluded. The percentage of patients who completed therapy in one year or less is presented, as well as the percentage of patients who completed therapy, regardless of duration.