

2012

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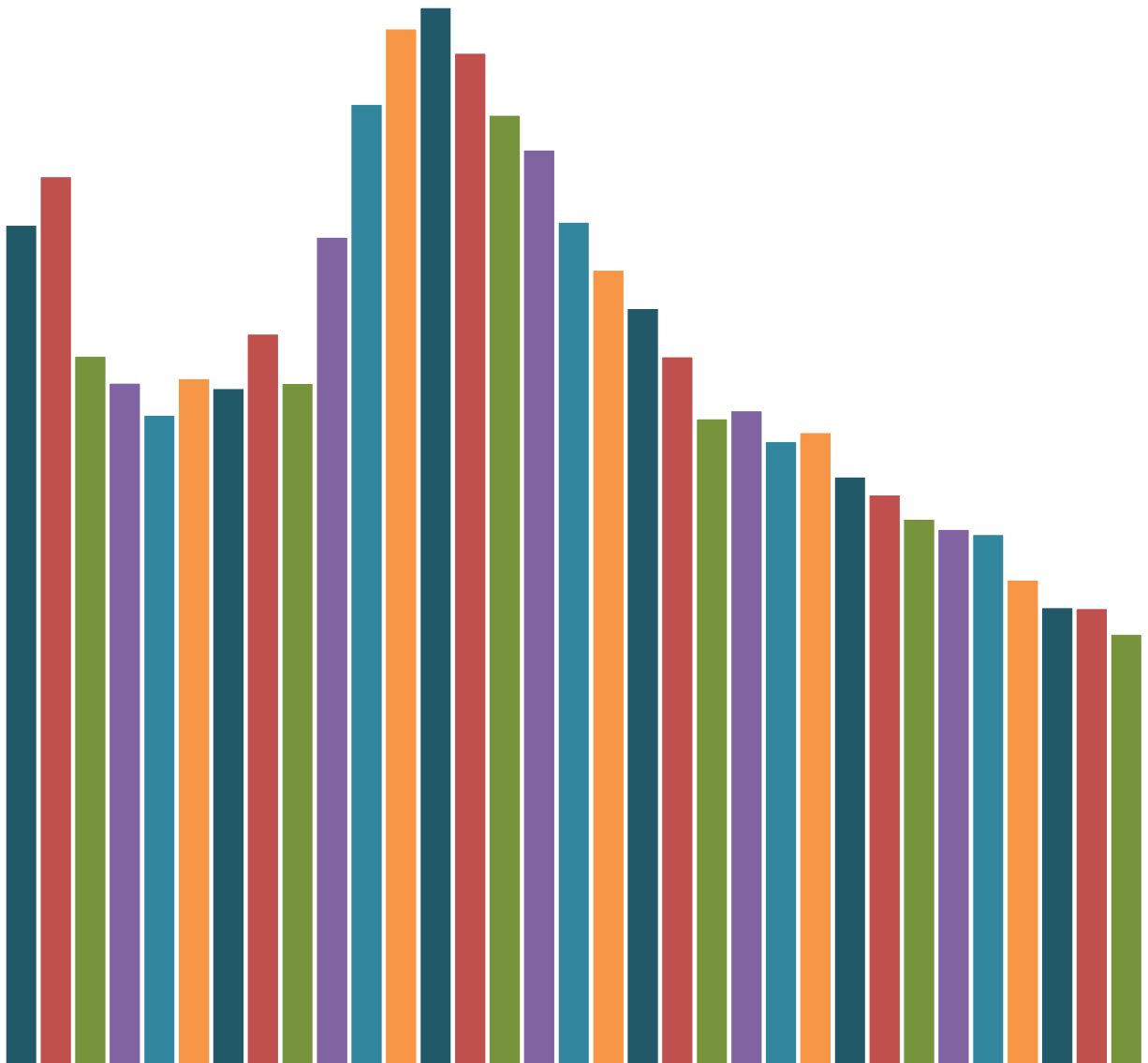
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REPORT ON TUBERCULOSIS IN CALIFORNIA, 2012



Edmund G. Brown Jr., Governor
State of California

Diana S. Dooley, Secretary
California Health and Human Services Agency

Ron Chapman, MD, MPH
Director and State Health Officer
California Department of Public Health



Report on Tuberculosis In California, 2012

Edmund G. Brown Jr.
Governor
State of California

California Department of Public Health
Center for Infectious Diseases
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July 2013



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Cover: The graph represents the number of tuberculosis (TB) case reported in California from 1980 to 2012. There were 4,273 cases in 1980, and 5,382 cases at the peak of the epidemic in 1992. Since then, cases have declined significantly. In 2012, a total of 2,191 TB cases were reported, the lowest number since TB case reporting began.



RON CHAPMAN, MD, MPH
Director & State Health Officer

State of California—Health and Human Services Agency
California Department of Public Health



EDMUND G. BROWN JR.
Governor

July 2, 2013

Dear Colleagues:

It is with pleasure that I present this 2012 Report on Tuberculosis in California. In 2012, the number of cases and the rate of tuberculosis (TB) decreased by approximately six percent compared to 2011, when case numbers remained stable relative to the previous year. Declines were seen in all racial/ethnic groups, and among both U.S.- and foreign-born persons. The number of pediatric cases declined to pre-2011 levels, and the number of multidrug-resistant TB cases did not increase. These successes are a reminder that TB can be prevented and controlled in California. Now is the time to reinvigorate our efforts to make TB elimination a reachable goal!

The past few years have been exciting ones for TB surveillance. Data from the national expanded TB case report form, implemented in California in 2010, are increasing our understanding of the TB population and challenging us to think in new ways about our TB control efforts. Information on visa status of California immigrants and medical risk factors such as diabetes help in the identification of populations at risk for TB, while information on newer diagnostic tools such as nucleic acid amplification tests (NAAT), computed tomography (CT) scans, and interferon-gamma release assays (IGRA) will inform how best to use these tools for TB diagnosis and control.

You have my deepest thanks for your efforts and contributions to the progress of TB control and prevention in California.

Sincerely,

Jennifer Flood, M.D., M.P.H., Chief
Tuberculosis Control Branch
Division of Communicable Disease Control
Center for Infectious Diseases
California Department of Public Health

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Introduction

Tuberculosis (TB) case reports are submitted to the California Department of Public Health (CDPH), TB Control Branch (TBCB), by 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 Report of Verified Case of Tuberculosis (RVCT) to collect information on each case of TB. The RVCT includes demographic and clinical characteristics of TB cases, as well as information on drug resistance, risk factors for TB, and treatment outcomes. In 2009, CDC released an expanded RVCT that collects additional information to address the changing epidemiology of TB in terms of risk factors, new drug treatments, and enhanced laboratory capacity for diagnostic tests. California implemented this revised RVCT January 1, 2010.

CDPH Division of Communicable Disease Control implemented an internet-based surveillance system for reportable diseases, including TB, in January 2010. This system, California Reportable Disease Information Exchange (CalREDIE), allows all jurisdictions in California to submit TB case reports and access their local data online in a timely manner.

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 2012

In 2012, California reported 2,191 new tuberculosis (TB) cases and an incidence rate of 5.8 cases per 100,000 population, a decrease of 5.6 and 6.5 percent, respectively, compared with 2011 (Table 1). California reported the largest number of cases in the United States (U.S.), representing 22 percent of the nation's 9,951 cases, and the third highest rate among states, following Alaska (rate=9.0) and Hawaii (rate=8.4).

California's TB cases have declined by 60 percent since the peak of the epidemic in 1992 when 5,382 cases were reported. Despite this success, large disparities remain. Persons born outside the U.S. and racial and ethnic minorities continue to be disproportionately affected by TB.

Geographic Distribution

TB cases were reported by 48 (79 percent) of California's 61 local health jurisdictions (Table 13). Although the majority of cases were identified in the large urban areas of California, few communities were unaffected by TB. Only four jurisdictions reported no TB cases during the last decade. In contrast to the overall decline in TB statewide, 19 (31 percent) jurisdictions had an increase in case numbers in 2012.

Demographic Characteristics

Case numbers and rates among non-Hispanic whites, Hispanics and Asians/Pacific Islanders declined from 2011 to 2012 (Tables 2, 3). The number of cases among non-Hispanic blacks remained the same in 2011 and 2012, while the rate of TB for this group declined slightly. All racial/ethnic groups remain disproportionately affected compared to non-Hispanic whites. In 2012, TB rates among Asians/Pacific Islanders, non-Hispanic blacks, and Hispanics were 15.8, 4.8, and 4.7 times greater, respectively, than the rate in non-Hispanic whites.

The number of TB cases in persons between the ages of 15 and 24 increased by nearly 18 percent from 2011 to 2012. Increases in this age category were seen in all racial/ethnic groups except non-Hispanic whites, and among both U.S.- and foreign-born persons.

Pediatric cases under the age of 5 declined in 2012, following a large increase in 2011. The 48 cases reported in 2012 represent a greater than 40 percent decrease from the 82 cases reported in 2011 and an 86 percent decline since the peak of the epidemic in 1992, and represents success in reducing the transmission of active TB in California.

Foreign-born TB Cases

In 2012, the majority (79 percent) of California's TB cases were born outside the U.S. (Table 2). Although the rate of TB among those born outside the U.S. has declined each year since 2001, the disparities between U.S.- and foreign-born persons has increased slightly. In 2012, the rate of TB among foreign-born persons was nearly ten times greater than among those born in the U.S. compared to less than 9 times greater in 2003 (Table 3).

The countries of origin of TB cases reflect the diverse population in California. The most common countries of origin were Mexico (n=491), the Philippines (n=376), Vietnam (n=198), China (n=129), and India (n=97) (Table 10). Foreign-born cases in 2012 were most frequently diagnosed with TB within two years of their arrival in the U.S. (12 percent), and fell to between two and three percent as years of residence in the U.S. increased. However, 79 percent of foreign-born TB cases were diagnosed more than five years after arrival in the U.S.

In 2007, CDC introduced a program to enhance screening of prospective immigrants and refugees for TB prior to entry into the U.S. This program has reduced the number of active cases of disease in recent arrivers. In 2012, 45 percent of California's foreign-born cases arrived with visa types (immigrant, refugee, asylee/parolee) requiring overseas TB screening, and if necessary, treatment, prior to immigration (Table 21). However, it is possible for a previously screened person to develop active TB at a later time. Other visa types (student, employment, tourist, family) do not require TB screening prior to entering the U.S. Persons in these categories represented nearly ten percent of foreign-born cases. The category "Other Immigration Status" includes persons arriving in the U.S. without an official immigration status (i.e., undocumented), persons with other visa types, and persons not required to have a visa (e.g., visitors from Canada). The nearly 20 percent of cases with a visa status of "Unknown" includes persons in jurisdictions that prohibit inquiry into immigration status, as well as persons for whom visa status was unknown for other reasons.

California will continue to be a destination for persons from around the world, and some of these individuals will arrive with TB disease or infection. Identifying TB disease in new arrivers can prevent spread of the disease, and targeted screening programs to identify persons with TB infection can reduce progression to TB disease in this high-risk group.

U.S.-born TB Cases

Following a slight increase from 2010-2011, the rate of TB among persons born in the U.S. decreased by more than 10 percent in 2012 (Table 3). Decreases were seen in all racial/ethnic groups. Although U.S.-born persons comprised only slightly more than 20 percent of the state's TB cases in 2012, they represented 53 percent of the state's homeless TB cases, 35 percent of those with excess alcohol use, and 59 percent of those using injection drugs. These characteristics are risk factors for nonadherence to TB treatment, and therefore present a potential risk for ongoing transmission of TB disease and acquisition of drug resistance.

TB among the Homeless

In 2012, 129 TB cases did not have a regular nighttime residence at the time of their TB diagnosis (Table 40). There has been an overall decline in the percent of TB cases that are homeless since 1994 (8.4 percent in 1994; 5.9 percent in 2012). However, the number of cases increased significantly in 2011 and 2012 compared to the two previous years (2009 n=101; 2010 n=102; 2011 n=124). Detection of ongoing transmission of TB among homeless and other population groups has been enhanced in recent years by the near-universal use of *M. tuberculosis* genotyping (fingerprinting) methods. Genotyping allows local and state programs to identify potential TB outbreaks which previously may have gone undetected in the often difficult to reach homeless population.

Primary Reason for TB Evaluation

The majority (65 percent) of California's TB cases were identified when they sought care due to symptoms of the disease (e.g., cough lasting 3 weeks or more, weakness, weight loss, chills, fever, night sweats) (Table 22). An additional 26 percent were evaluated for TB following results of chest imaging or laboratory tests performed for a reason other than suspicion of TB. Active investigations for TB, including contact investigations, health care worker or other employment screenings, and immigration medical exams were the initial source of TB evaluation for more than eight percent of cases. These data highlight the need for vigilance among California medical providers to evaluate patients for TB among those at risk. For further explanation of reporting the primary reason for TB evaluation, see Technical Notes.

HIV/AIDS and TB

In 2012, 1,850 (84.4 percent) TB case reports indicated that the patient had a known HIV test result (Table 36), an improvement from 78.4 percent in 2011. Of the cases tested in 2012, 87 (4.7 percent) were positive for HIV, compared to 100 (5.5 percent) in 2011.

In addition to the recent inclusion of HIV status on TB case reports, the TB registry is matched on an annual basis to the California Office of AIDS HIV/AIDS registry. The proportion of TB cases with a diagnosis of HIV or AIDS, as determined by the match results, fell from 10 percent in 1993 to approximately 4 percent in 2011 (the most recent year of available data) (Table 35). In 2011, non-Hispanic blacks had the greatest proportion of TB/HIV co-infection (15.3 percent) of all racial/ethnic groups. However, the majority (58%) of co-infected cases were Hispanic, 89% of whom were born outside the U.S. Testing of all TB patients for HIV is recommended to ensure that these co-infected cases receive appropriate management of their disease and HIV spread is reduced (http://www.ctca.org/index.cfm?fuseaction=page&page_id=5040; <http://www.cdc.gov/mmwr/preview/mmwrhtml/rr5804a1.htm>). An increased proportion of cases with an HIV test is a move toward greater compliance with these state and national recommendations. TB testing of HIV-infected persons is also recommended to identify opportunities to prevent progression to active TB disease.

Medical Risk Factors for TB

In 2012, nearly one-third of TB cases had one or more of the following conditions: diabetes mellitus, HIV infection, end-stage renal disease, post-organ transplant, tumor necrosis factor (TNF) alpha antagonist therapy, or other immunosuppressive condition (Table 37). These medical conditions can increase the risk of progression from latent TB infection (LTBI) to disease, and therefore provide opportunities for control of TB via screening and treatment of LTBI among patients with these conditions. Of note, diabetes mellitus was the most commonly reported medical condition in TB patients, affecting 23 percent.

Severity of TB Disease

In 2012, 50 percent of pulmonary TB cases had a sputum smear positive for acid-fast bacilli (AFB) (Table 25). Positive sputum smears were more common in foreign-born than U.S.-born patients (52 and 43 percent, respectively), and among Hispanics (54 percent).

A total of 550 (33 percent) TB cases with pulmonary disease had a cavity on chest x-ray and/or CT scan (Tables 27, 28). Among 924 (55 percent) pulmonary patients who had both types of chest imaging, the more sensitive CT scan identified cavities not seen on chest x-ray in 194 (21 percent) cases.

The findings of acid-fast bacilli in sputum, and a cavity on chest imaging are markers for severity of disease. More severe disease can result from delays in diagnosis of TB. Nearly 20 percent of TB cases in 2012 had both a positive sputum smear and a cavitory finding on chest imaging.

Diagnostic Tests for TB

The results of nucleic acid amplification (NAA) tests, used to identify *Mycobacterium tuberculosis* (*Mtb*) in respiratory specimens, can be available 24-48 hours after specimen collection, and thus can lead to earlier treatment and thus earlier interruption of TB transmission. Only 47 percent of all TB cases had NAA tests done; 84 percent of these were

positive for *Mtb* (Table 26). Use of the NAA test was only slightly more frequent among pulmonary cases with 53 percent tested (87 percent positive). More frequent application of NAA tests for individuals suspected to have TB is needed.

Interferon gamma release assays (IGRA) are blood tests for TB infection that may be used in place of the tuberculin skin test (TST). Unlike the TST, IGRAs do not react with the BCG (bacilli Calmette-Guerin) vaccine and therefore are especially useful in persons from countries with high rates of BCG immunization. Both IGRAs and TSTs had high rates of positivity (80 and 81 percent, respectively) among TB cases in 2012 (Table 29). These tests may be negative in TB cases with severe TB disease, HIV or other immunosuppressive conditions, persons taking medications causing immunosuppression, or in very young children.

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 since reporting of drug susceptibility began in 1993. In 2012, of all cases tested for susceptibility to INH, ten percent were resistant (Table 47). Over eight percent were resistant only to INH, and to no other first-line drugs (rifampin, ethambutol, pyrazinamide).

Resistance to pyrazinamide (PZA) has increased slightly since the 1990's when resistance to this important first-line drug was 3-4 percent. In 2012, seven percent of cases were pyrazinamide-resistant, alone or with resistance to other drugs (Table 50). Resistance levels were much higher among Hispanic cases (11 percent) than non-Hispanic whites, non-Hispanic blacks, or Asians (two, three, four percent, respectively), and among cases co-infected with HIV (11 percent). PZA mono-resistance (six percent in 2012) is a marker for *Mycobacterium bovis*, which may be ingested through unpasteurized dairy products, and therefore has specific implications for control efforts.

In 2012, the number of multidrug-resistant TB cases, defined as resistance to both INH and rifampin, dropped to 13 (0.8 percent of cases tested), a decline of more than 60 percent compared to 2011 (Table 55). Between 1993 and 2011, the proportion of cases with MDR TB ranged between one and two percent. Twelve of the 13 MDR TB cases in 2012 were born outside the U.S. No cases of extensively drug-resistant (XDR) TB were identified in 2012.

CDPH TBCB offers consultation and tools for treating MDR TB patients to local health department staff caring for these often challenging cases. The goals of consultation are to provide every case of MDR TB with the best chance of cure in order to reduce transmission of MDR TB in California. TBCB also carries out enhanced MDR TB surveillance to ensure that all MDR TB cases are reported and to inform disease control efforts.

Outcomes of TB Treatment

Because TB treatment can last up to two years, the most recent information available on outcomes of TB treatment is from 2010. Of cases reported in 2010 for whom one year or less of anti-TB treatment was indicated, 77 percent completed treatment in that time period (Table 57). An additional nine percent completed therapy in greater than one year. Of all TB cases that started treatment, 86 percent completed their recommended treatment regimen (Table 56). Completing anti-TB treatment in a timely manner is important to prevent development of drug resistance, and to decrease the likelihood of transmission of the disease. Universal directly observed therapy (DOT) is recommended by CDC to ensure adherence to treatment, including treatment completion. In 2010, more than 50 percent of TB cases received all their TB

medications via DOT; an additional 35 percent received some DOT during their treatment regimen (Table 34).

Among cases starting treatment for TB disease in 2010, 139 (six percent) died during TB therapy (Tables 31, 56). Another 50 patients were dead before TB was diagnosed, or died before they were able to start TB treatment. Although the overall proportion of cases dying with TB disease declined from 11 percent in 1993 to eight percent in 2010, the proportion dying has continued to hover between eight and ten percent in the last decade.

In 2010, TB case report forms began capturing information on cases that stopped treatment because of an adverse reaction to TB medications. In 2010, only six cases (less than one percent) permanently terminated treatment for this reason (Table 56).

Summary

California continues to experience both successes and challenges in controlling TB in our state. The decline in case numbers and rates reflects the commitment of the California Department of Public Health and our local and national partners to identifying and treating TB cases. Nevertheless, a new case of TB is diagnosed in California every 4 hours, a Californian dies with TB every other day, and a child under five is diagnosed with TB every week in California. Challenges to TB control include disparities in rates of TB among racial/ethnic groups, the leveling of the proportion of cases dying with TB, and the challenge of preventing TB among Californians born outside the U.S. There is ongoing need for collaboration with our local and national partners to use new and existing TB control strategies in order to protect the public from the ongoing TB epidemic.

Table 1. Tuberculosis Cases and Case Rates per 100,000 Population: California, 1985-2012

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	17.3	7.9	5.5
1992	5,382	17.4	2.1	0.6
1993	5,150	16.4	-4.3	-5.7
1994	4,834	15.3	-6.1	-6.7
1995	4,656	14.7	-3.7	-3.9
1996	4,288	13.4	-7.9	-8.8
1997	4,045	12.5	-5.7	-6.7
1998	3,850	11.7	-4.8	-6.4
1999	3,603	10.8	-6.4	-7.7
2000	3,288	9.7	-8.7	-10.2
2001	3,329	9.6	1.2	-1.0
2002	3,172	9.1	-4.7	-5.2
2003	3,218	9.1	1.5	0.0
2004	2,991	8.4	-7.1	-7.7
2005	2,900	8.1	-3.0	-3.6
2006	2,776	7.7	-4.3	-4.9
2007	2,725	7.5	-1.8	-2.6
2008	2,699	7.3	-1.0	-2.7
2009	2,466	6.7	-8.6	-8.2
2010	2,326	6.2	-5.7	-7.5
2011	2,322	6.2	-0.2	0.0
2012	2,191	5.8	-5.6	-6.5

California Department of Public Health, Tuberculosis Control Branch

Table 2. Tuberculosis Cases by Race/Ethnicity, Age Group, Sex, and Birthplace: California, 2003-2012

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Percent Change	
											2003-2012	2011-2012
Total Cases	3,218	2,991	2,900	2,776	2,725	2,699	2,466	2,326	2,322	2,191	-31.9	-5.6
Race/Ethnicity												
White, Not Hispanic	329	293	268	267	237	260	216	186	196	183	-44.4	-6.6
Black, Not Hispanic	249	226	225	208	218	210	190	153	137	137	-45.0	.
Hispanic	1,280	1,176	1,127	1,066	995	1,059	913	872	849	817	-36.2	-3.8
Asian/Pacific Islander	1,346	1,288	1,271	1,222	1,260	1,160	1,135	1,114	1,135	1,045	-22.4	-7.9
American Indian/Alaskan Native	7	5	5	9	6	9	5	1	5	9	28.6	80.0
Unknown	7	3	4	4	9	1	7	-	-	-	.	.
Age Group												
0-4	135	118	85	91	89	90	70	55	82	48	-64.4	-41.5
5-14	95	102	66	45	46	66	55	45	46	40	-57.9	-13.0
15-24	358	309	281	321	293	279	236	217	180	215	-39.9	19.4
25-44	986	925	916	855	787	813	736	681	625	597	-39.5	-4.5
45-64	926	862	846	790	861	829	740	737	771	700	-24.4	-9.2
65+	718	675	706	674	649	622	629	591	618	590	-17.8	-4.5
Unknown	-	-	-	-	-	-	-	-	-	1	.	.
Sex												
Male	1,873	1,785	1,750	1,666	1,651	1,657	1,498	1,376	1,381	1,297	-30.8	-6.1
Female	1,345	1,206	1,150	1,110	1,074	1,042	967	950	941	894	-33.5	-5.0
Unknown	-	-	-	-	-	-	1	-	-	-	.	.
Birthplace												
U.S.-born	771	712	652	631	594	663	579	495	512	468	-39.3	-8.6
Foreign-born	2,426	2,267	2,232	2,132	2,111	2,031	1,873	1,827	1,806	1,722	-29.0	-4.7
Unknown	21	12	16	13	20	5	14	4	5	1	.	.

- Indicates zero cases

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

Table 3. Tuberculosis Case Rates per 100,000 Population by Race/Ethnicity, Age Group, Sex, and Birthplace: California, 2003-2012

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Percent Change	
											2003-2012	2011-2012
Total Cases	9.1	8.4	8.1	7.7	7.5	7.3	6.7	6.2	6.2	5.8	-36.3	-6.5
Race/Ethnicity												
White, Not Hispanic	2.1	1.9	1.7	1.7	1.5	1.7	1.4	1.2	1.3	1.2	-42.9	-7.7
Black, Not Hispanic	10.5	9.5	9.5	8.8	9.2	8.8	8.0	6.5	5.8	5.7	-45.7	-1.7
Hispanic	10.6	9.5	8.9	8.2	7.5	7.9	6.6	6.2	5.9	5.6	-47.2	-5.1
Asian/Pacific Islander	29.0	27.2	26.4	25.0	25.2	22.8	21.8	20.6	20.8	19.0	-34.5	-8.7
American Indian/Alaskan Native	1.7	1.2	1.2	2.1	1.4	2.0	1.1	0.2	1.1	1.9	11.8	72.7
Age Group												
0-4	5.3	4.6	3.3	3.5	3.4	3.5	2.7	2.2	3.3	1.9	-64.2	-42.4
5-14	1.8	1.9	1.2	0.8	0.9	1.3	1.1	0.9	0.9	0.8	-55.6	-11.1
15-24	6.9	5.9	5.3	5.9	5.3	5.0	4.3	3.9	3.2	3.8	-44.9	18.8
25-44	9.2	8.6	8.6	8.1	7.4	7.7	7.0	6.5	5.9	5.7	-38.0	-3.4
45-64	11.9	10.8	10.3	9.3	9.9	9.3	8.0	7.9	8.1	7.3	-38.7	-9.9
65+	19.3	17.9	18.5	17.4	16.5	15.5	15.0	13.8	14.1	13.0	-32.6	-7.8
Sex												
Male	10.6	10.0	9.8	9.2	9.1	9.0	8.1	7.4	7.4	6.9	-34.9	-6.8
Female	7.6	6.7	6.4	6.1	5.8	5.6	5.2	5.1	5.0	4.7	-38.2	-6.0
Birthplace												
U.S.-born	3.0	2.7	2.5	2.4	2.2	2.5	2.1	1.8	1.9	1.7	-43.3	-10.5
Foreign-born	25.9	23.7	22.8	21.7	21.1	20.5	18.8	18.0	17.8	16.8	-35.1	-5.6

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 U.S. Census Bureau, *American Community Survey*.

Table 4. Tuberculosis Cases by Race/Ethnicity and Age Group: California, 2003-2012

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Percent Change	
											2003-2012	2011-2012
Total Cases	3,218	2,991	2,900	2,776	2,725	2,699	2,466	2,326	2,322	2,191	-31.9	-5.6
White, Not Hispanic	329	293	268	267	237	260	216	186	196	183	-44.4	-6.6
0-4	3	6	6	1	5	5	4	4	1	2	.	.
5-14	5	6	3	1	4	2	3	3	-	3	.	.
15-24	23	18	10	21	4	16	14	11	10	9	-60.9	-10.0
25-44	73	59	65	53	47	48	50	43	36	37	-49.3	2.8
45-64	118	92	100	85	84	115	73	63	73	71	-39.8	-2.7
65+	107	112	84	106	93	74	72	62	76	61	-43.0	-19.7
Unknown	-	-	-	-	-	-	-	-	-	-	.	.
Black, Not Hispanic	249	226	225	208	218	210	190	153	137	137	-45.0	0.0
0-4	7	6	4	5	7	5	7	4	4	1	.	.
5-14	7	9	5	-	2	7	7	3	4	5	-28.6	.
15-24	25	19	19	22	28	17	18	12	11	12	-52.0	9.1
25-44	77	77	77	74	66	82	57	51	44	43	-44.2	-2.3
45-64	94	85	86	74	85	76	66	60	56	55	-41.5	-1.8
65+	39	30	34	33	30	23	35	23	18	21	-46.2	16.7
Unknown	-	-	-	-	-	-	-	-	-	-	.	.
Hispanic	1,280	1,176	1,127	1,066	995	1,059	913	872	849	817	-36.2	-3.8
0-4	102	87	61	66	62	57	46	36	58	32	-68.6	-44.8
5-14	64	64	42	35	26	43	36	25	25	26	-59.4	4.0
15-24	186	171	166	167	157	162	126	101	87	104	-44.1	19.5
25-44	455	400	411	376	338	370	310	311	259	258	-43.3	-0.4
45-64	288	271	265	258	253	269	239	233	258	231	-19.8	-10.5
65+	185	183	182	164	159	158	156	166	162	165	-10.8	1.9
Unknown	-	-	-	-	-	-	-	-	-	1	.	.
Asian/Pacific Islander	1,346	1,288	1,271	1,222	1,260	1,160	1,135	1,114	1,135	1,045	-22.4	-7.9
0-4	23	18	14	19	15	23	13	11	19	13	-43.5	-31.6
5-14	19	23	16	9	13	14	9	14	17	6	-68.4	-64.7
15-24	123	100	86	110	103	84	78	93	72	90	-26.8	25.0
25-44	376	387	360	345	329	309	315	276	285	256	-31.9	-10.2
45-64	422	413	391	371	435	364	358	381	381	338	-19.9	-11.3
65+	383	347	404	368	365	366	362	339	361	342	-10.7	-5.3
Unknown	-	-	-	-	-	-	-	-	-	-	.	.
American Indian/Alaska Native	7	5	5	9	6	9	5	1	5	9	28.6	80.0
0-4	-	1	-	-	-	-	-	-	-	-	.	.
5-14	-	-	-	-	-	-	-	-	-	-	.	.
15-24	-	1	-	1	1	-	-	-	-	-	.	.
25-44	3	1	2	5	2	4	-	-	1	3	.	.
45-64	2	1	2	1	1	4	3	-	3	5	.	.
65+	2	1	1	2	2	1	2	1	1	1	.	.
Race Unknown	7	3	4	4	9	1	7	-	-	-	.	.
0-4	-	-	-	-	-	-	-	-	-	-	.	.
5-14	-	-	-	-	1	-	-	-	-	-	.	.
15-24	1	-	-	-	-	-	-	-	-	-	.	.
25-44	2	1	1	2	5	-	4	-	-	-	.	.
45-64	2	-	2	1	3	1	1	-	-	-	.	.
65+	2	2	1	1	-	-	2	-	-	-	.	.

- Indicates zero cases

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

Table 5. Tuberculosis Case Rates per 100,000 Population by Race/Ethnicity and Age Group: California, 2003-2012

	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Percent Change	
											2003-2012	2011-2012
Total Cases	9.1	8.4	8.1	7.7	7.5	7.3	6.7	6.2	6.2	5.8	-36.3	-6.5
White, Not Hispanic	2.1	1.9	1.7	1.7	1.5	1.7	1.4	1.2	1.3	1.2	-42.9	-7.7
0-4	.	0.8	0.8	.	0.7	0.7	.	.	.	.	.	.
5-14	0.3	0.3	.	.	.	.	.	.	.	.	.	.
15-24	1.2	1.0	0.5	1.1	.	0.8	0.8	0.6	0.6	0.5	-58.3	-16.7
25-44	1.6	1.3	1.5	1.3	1.2	1.2	1.3	1.1	1.0	1.0	-37.5	0.0
45-64	2.7	2.0	2.2	1.8	1.8	2.4	1.5	1.3	1.5	1.5	-44.4	0.0
65+	4.2	4.4	3.3	4.2	3.6	2.9	2.7	2.3	2.8	2.2	-47.6	-21.4
Black, Not Hispanic	10.5	9.5	9.5	8.8	9.2	8.8	8.0	6.5	5.8	5.7	-45.7	-1.7
0-4	4.2	3.6	.	3.2	4.4	3.2	4.5	.	.	.	.	.
5-14	1.7	2.2	1.3	.	.	1.9	2.1	.	.	1.6	-5.9	.
15-24	6.8	5.1	5.0	5.8	7.3	4.4	4.6	3.1	2.8	3.1	-54.4	10.7
25-44	10.7	10.9	11.1	10.8	9.7	12.2	8.7	7.9	6.9	6.7	-37.4	-2.9
45-64	18.7	16.3	16.0	13.4	14.9	13.0	10.9	9.7	8.9	8.7	-53.5	-2.2
65+	19.6	14.8	16.5	15.8	14.1	10.6	15.5	9.9	7.6	8.5	-56.6	11.8
Hispanic	10.6	9.5	8.9	8.2	7.5	7.9	6.6	6.2	5.9	5.6	-47.2	-5.1
0-4	8.0	6.7	4.6	5.0	4.6	4.2	3.4	2.7	4.4	2.4	-70.0	-45.5
5-14	2.5	2.5	1.6	1.3	1.0	1.6	1.4	1.0	1.0	1.0	-60.0	0.0
15-24	8.6	7.7	7.3	7.2	6.6	6.6	5.0	3.9	3.3	3.9	-54.7	18.2
25-44	11.6	10.0	10.2	9.2	8.2	8.8	7.2	7.2	5.9	5.8	-50.0	-1.7
45-64	17.1	15.2	14.1	13.1	12.2	12.4	10.1	9.5	10.1	8.6	-49.7	-14.9
65+	33.9	32.2	30.8	26.7	24.9	23.7	21.5	21.9	20.3	19.6	-42.2	-3.4
Asian/Pacific Islander	29.0	27.2	26.4	25.0	25.2	22.8	21.8	20.6	20.8	19.0	-34.5	-8.7
0-4	7.6	5.7	4.4	5.9	4.7	7.1	4.1	3.4	5.9	3.9	-48.7	-33.9
5-14	3.0	3.7	2.6	1.4	2.1	2.2	1.4	2.1	2.6	0.9	-70.0	-65.4
15-24	17.4	13.9	11.9	15.1	14.0	11.3	10.7	12.2	9.5	12.0	-31.0	26.3
25-44	24.9	25.4	23.5	22.3	20.9	19.3	19.6	16.6	17.1	15.4	-38.2	-9.9
45-64	40.0	37.6	34.3	31.4	35.6	28.7	26.7	27.3	26.7	23.3	-41.8	-12.7
65+	88.1	77.0	86.5	75.8	72.1	69.3	63.3	56.7	57.9	52.2	-40.7	-9.8
American Indian/Alaska Native	1.7	1.2	1.2	2.1	1.4	2.0	1.1	.	1.1	1.9	11.8	72.7
0-4	.	.	.	.	.	.	.	.	.	.	.	.
5-14	.	.	.	.	.	.	.	.	.	.	.	.
15-24	.	.	.	.	.	.	.	.	.	.	.	.
25-44	.	.	.	4.4	.	.	.	.	.	.	.	.
45-64	.	.	.	.	.	.	.	.	.	5.1	.	.
65+	.	.	.	.	.	.	.	.	.	.	.	.

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

Table 6. Tuberculosis Cases by Race/Ethnicity, Sex, and Age Group: California, 2012

	All Ages	Age Group						Unknown
		0-4	5-14	15-24	25-44	45-64	65+	
Total Cases	2,191	48	40	215	597	700	590	1
White, Not Hispanic	183	2	3	9	37	71	61	-
Male	115	1	1	5	21	48	39	-
Female	68	1	2	4	16	23	22	-
Black, Not Hispanic	137	1	5	12	43	55	21	-
Male	78	1	1	4	21	36	15	-
Female	59	-	4	8	22	19	6	-
Hispanic	817	32	26	104	258	231	165	1
Male	517	17	12	64	169	165	89	1
Female	300	15	14	40	89	66	76	-
Asian/Pacific Islander	1,045	13	6	90	256	338	342	-
Male	582	9	2	39	112	209	211	-
Female	463	4	4	51	144	129	131	-
American Indian/Alaska Native	9	-	-	-	3	5	1	-
Male	5	-	-	-	3	1	1	-
Female	4	-	-	-	-	4	-	-

- 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, 2012

	All Ages	Age Group					
		0-4	5-14	15-24	25-44	45-64	65+
Total Cases	5.8	1.9	0.8	3.8	5.7	7.3	13.0
White, Not Hispanic	1.2	.	.	0.5	1.0	1.5	2.2
Male	1.5	.	.	0.6	1.1	2.0	3.2
Female	0.9	.	.	.	0.9	1.0	1.4
Black, Not Hispanic	5.7	.	1.6	3.1	6.7	8.7	8.5
Male	6.6	.	.	.	6.5	11.6	14.5
Female	4.9	.	.	4.2	6.9	5.9	4.2
Hispanic	5.6	2.4	1.0	3.9	5.8	8.6	19.6
Male	7.1	2.5	0.9	4.7	7.4	12.5	24.8
Female	4.2	2.4	1.1	3.1	4.1	4.9	15.8
Asian/Pacific Islander	19.0	3.9	0.9	12.0	15.4	23.3	52.2
Male	22.2	5.2	.	10.1	14.3	31.5	75.6
Female	16.1	.	.	13.9	16.5	16.4	34.9
American Indian/Alaska Native	1.9	.	.	.	.	5.1	.
Male	2.1	.	.	.	.	.	.
Female	.	.	.	.	.	.	.

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

California Department of Public Health, Tuberculosis Control Branch

Table 8. Tuberculosis Cases in U.S.-born Persons by Race/Ethnicity, Sex, and Age Group: California, 2012

	All Ages	Age Group						Unknown
		0-4	5-14	15-24	25-44	45-64	65+	
Total Cases	468	43	29	76	101	136	79	4
White, Not Hispanic	120	2	1	-	25	54	34	4
Male	80	1	-	-	15	38	23	3
Female	40	1	1	-	10	16	11	1
Black, Not Hispanic	80	1	3	4	14	44	14	0
Male	55	1	1	1	8	33	11	0
Female	25	-	2	3	6	11	3	0
Hispanic	206	30	22	53	47	29	25	0
Male	117	17	11	31	25	19	14	0
Female	89	13	11	22	22	10	11	0
Asian/Pacific Islander	53	10	3	19	12	4	5	0
Male	30	7	1	10	9	1	2	0
Female	23	3	2	9	3	3	3	0
American Indian/Alaska Native	9	-	-	-	3	5	1	0
Male	5	-	-	-	3	1	1	0
Female	4	-	-	-	-	4	-	0

- 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, 2012

	All Ages	Age Group						Unknown
		0-4	5-14	15-24	25-44	45-64	65+	
Total Cases	1,722	5	10	139	495	564	508	1
White, Not Hispanic	63	-	1	9	11	17	25	-
Male	35	-	-	5	5	10	15	-
Female	28	-	1	4	6	7	10	-
Black, Not Hispanic	57	-	2	8	29	11	7	-
Male	23	-	-	3	13	3	4	-
Female	34	-	2	5	16	8	3	-
Hispanic	611	2	4	51	211	202	140	1
Male	400	-	1	33	144	146	75	1
Female	211	2	3	18	67	56	65	-
Asian/Pacific Islander	991	3	3	71	244	334	336	-
Male	551	2	1	29	103	208	208	-
Female	440	1	2	42	141	126	128	-

- 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, 2012

Country of Origin *	Total Foreign-born Cases	Time in United States												Unknown Time in U.S.	
		≤ 1 year		1-2 years		3-5 years		6-10 years		11-20 years		>20 years		No.	%
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%		
Total	1,722	150	8.7	61	3.5	151	8.8	221	12.8	379	22.0	696	40.4	64	3.7
Mexico	491	28	5.7	9	1.8	27	5.5	57	11.6	97	19.8	249	50.7	24	4.9
Philippines	376	35	9.3	10	2.7	36	9.6	52	13.8	85	22.6	148	39.4	10	2.7
Vietnam	198	13	6.6	13	6.6	14	7.1	14	7.1	45	22.7	91	46.0	8	4.0
China**	129	11	8.5	5	3.9	11	8.5	17	13.2	35	27.1	47	36.4	3	2.3
India	97	18	18.6	6	6.2	12	12.4	19	19.6	21	21.6	17	17.5	4	4.1
Guatemala	42	4	9.5	2	4.8	8	19.0	11	26.2	10	23.8	7	16.7	-	-
El Salvador	41	1	2.4	-	-	5	12.2	10	24.4	11	26.8	14	34.1	-	-
Korea, North	41	-	-	1	2.4	2	4.9	3	7.3	9	22.0	24	58.5	2	4.9
Kampuchea (Cambodia)	29	3	10.3	-	-	2	6.9	1	3.4	3	10.3	16	55.2	4	13.8
Ethiopia	21	5	23.8	3	14.3	4	19.0	3	14.3	4	19.0	-	-	2	9.5
Laos	19	-	-	1	5.3	-	-	-	-	4	21.1	14	73.7	-	-
Burma	17	6	35.3	1	5.9	2	11.8	3	17.6	4	23.5	1	5.9	-	-
Korea, South	16	-	-	-	-	-	-	1	6.3	6	37.5	8	50.0	1	6.3
Indonesia	13	2	15.4	1	7.7	-	-	2	15.4	6	46.2	1	7.7	1	7.7
Nepal	11	1	9.1	-	-	5	45.5	5	45.5	-	-	-	-	-	-
Taiwan	11	1	9.1	-	-	1	9.1	-	-	2	18.2	7	63.6	-	-
Afghanistan	9	1	11.1	1	11.1	1	11.1	2	22.2	1	11.1	3	33.3	-	-
Peru	9	2	22.2	1	11.1	1	11.1	3	33.3	2	22.2	-	-	-	-
Iran	8	-	-	-	-	1	12.5	1	12.5	3	37.5	2	25.0	1	12.5
Thailand	8	-	-	-	-	-	-	2	25.0	2	25.0	4	50.0	-	-
Nigeria	7	2	28.6	1	14.3	2	28.6	-	-	1	14.3	1	14.3	-	-
Eritrea	6	2	33.3	1	16.7	1	16.7	1	16.7	1	16.7	-	-	-	-
Honduras	6	1	16.7	-	-	-	-	1	16.7	4	66.7	-	-	-	-
Pakistan	6	2	33.3	-	-	1	16.7	1	16.7	2	33.3	-	-	-	-
Somalia	6	2	33.3	-	-	-	-	-	-	4	66.7	-	-	-	-
Japan	5	-	-	-	-	-	-	-	-	-	-	5	100.0	-	-
Mongolia	5	-	-	1	20.0	2	40.0	2	40.0	-	-	-	-	-	-
Nicaragua	5	-	-	-	-	1	20.0	1	20.0	1	20.0	2	40.0	-	-
Russia	5	-	-	-	-	-	-	1	20.0	2	40.0	2	40.0	-	-
Other Countries	85	10	11.8	4	4.7	12	14.1	8	9.4	14	16.5	33	38.8	4	4.7

- Indicates zero cases or zero percent

* Countries listed in order of number of cases

** People's Republic of China including Hong Kong

Table 11. HIV/AIDS-associated Tuberculosis* by Demographic Characteristics and Risk Factors for Tuberculosis: California, 2006-2011

	2006			2007			2008			2009			2010			2011		
	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	2,778	128	4.6	2,725	139	5.1	2,699	130	4.8	2,466	103	4.2	2,327	101	4.3	2,323	91	3.9
Race/Ethnicity																		
White, Not Hispanic	268	11	4.1	237	19	8.0	260	16	6.2	216	14	6.5	188	9	4.8	197	9	4.6
Black, Not Hispanic	207	23	11.1	218	33	15.1	210	27	12.9	190	15	7.9	153	19	12.4	137	21	15.3
Hispanic	1,067	81	7.6	995	75	7.5	1,059	76	7.2	913	59	6.5	872	61	7.0	848	53	6.3
Asian/Pacific Islander	1,223	12	1.0	1,260	11	0.9	1,160	10	0.9	1,135	14	1.2	1,113	12	1.1	1,136	8	0.7
American Indian/Alaska Native	9	1	11.1	6	-	-	9	1	11.1	5	-	-	1	-	-	5	-	-
Unknown	4	-	-	9	1	11.1	1	-	-	7	1	14.3	-	-	-	-	-	-
Age Group																		
0-4	91	-	-	89	-	-	87	-	-	70	-	-	55	-	-	82	-	-
5-14	42	-	-	45	1	2.2	68	-	-	53	-	-	45	-	-	46	1	2.2
15-24	321	7	2.2	291	7	2.4	279	6	2.2	231	1	0.4	217	1	0.5	180	2	1.1
25-44	858	80	9.3	786	75	9.5	813	81	10.0	741	64	8.6	680	63	9.3	625	46	7.4
45-64	791	35	4.4	862	50	5.8	828	42	5.1	742	34	4.6	737	34	4.6	770	41	5.3
65+	675	6	0.9	652	6	0.9	624	1	0.2	629	4	0.6	592	3	0.5	617	1	0.2
Unknown	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	3	-	-
Sex																		
Male	1,667	103	6.2	1,651	120	7.3	1,657	108	6.5	1,498	88	5.9	1,376	82	6.0	1,380	76	5.5
Female	1,111	25	2.3	1,074	19	1.8	1,042	22	2.1	967	15	1.6	949	19	2.0	942	15	1.6
Unknown	-	-	-	-	-	-	-	-	-	1	-	-	2	-	-	1	-	-
Place of Birth																		
U.S.-born	632	39	6.2	594	50	8.4	663	54	8.1	579	35	6.0	495	37	7.5	513	28	5.5
Foreign-born	2,132	88	4.1	2,111	89	4.2	2,030	76	3.7	1,870	67	3.6	1,813	61	3.4	1,787	63	3.5
Unknown	14	1	7.1	20	-	-	6	-	-	17	1	5.9	19	3	15.8	23	-	-
Homeless																		
No	2,580	101	3.9	2,548	111	4.4	2,523	111	4.4	2,346	86	3.7	2,210	89	4.0	2,174	74	3.4
Yes	169	23	13.6	157	27	17.2	164	19	11.6	101	16	15.8	102	11	10.8	124	16	12.9
Unknown	29	4	13.8	20	1	5.0	12	-	-	19	1	5.3	15	1	6.7	25	1	4.0
Alcohol Use																		
No	2,485	99	4.0	2,400	109	4.5	2,390	96	4.0	2,218	85	3.8	2,110	83	3.9	2,065	73	3.5
Yes	224	21	9.4	245	24	9.8	257	31	12.1	194	14	7.2	170	14	8.2	209	15	7.2
Unknown	69	8	11.6	80	6	7.5	52	3	5.8	54	4	7.4	47	4	8.5	49	3	6.1
Injecting Drug Use																		
No	2,669	107	4.0	2,606	120	4.6	2,605	111	4.3	2,378	91	3.8	2,266	98	4.3	2,250	85	3.8
Yes	42	13	31.0	45	11	24.4	37	13	35.1	26	5	19.2	26	2	7.7	21	3	14.3
Unknown	67	8	11.9	74	8	10.8	57	6	10.5	62	7	11.3	35	1	2.9	52	3	5.8
Non-injecting Drug Use																		
No	2,542	92	3.6	2,496	105	4.2	2,458	93	3.8	2,267	79	3.5	2,149	79	3.7	2,152	72	3.3
Yes	161	27	16.8	159	27	17.0	177	33	18.6	138	17	12.3	137	21	15.3	118	17	14.4
Unknown	75	9	12.0	70	7	10.0	64	4	6.3	61	7	11.5	41	1	2.4	53	2	3.8
Diagnosed in Correctional Facility																		
No	2,713	122	4.5	2,650	134	5.1	2,615	125	4.8	2,394	101	4.2	2,244	92	4.1	2,225	85	3.8
Yes	60	5	8.3	74	5	6.8	83	5	6.0	68	2	2.9	79	9	11.4	75	6	8.0
Unknown	5	1	20.0	1	-	-	1	-	-	4	-	-	4	-	-	23	-	-

- Indicates zero cases or zero percent

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

Table 12. Tuberculosis Cases, Rate per 100,000 Population, and Rank* According to Rate: Reporting Jurisdictions in California, 2011-2012

Reporting Jurisdiction	2011			2012		
	Rank	Cases	Rate	Rank	Cases	Rate
Imperial	1	27	15.2	1	30	16.8
San Francisco	2	108	13.3	2	116	14.1
Santa Clara	3	180	10.0	3	176	9.6
Alameda	4	132	9.4	4	136	9.5
Pasadena	33	4	.	5	11	7.9
San Diego	5	263	8.4	6	234	7.4
San Mateo	7	59	8.1	7	54	7.3
Long Beach	13	29	6.2	7	34	7.3
Merced	29	6	2.3	7	19	7.3
Los Angeles	9	680	7.3	10	625	6.7
Madera	8	12	7.9	11	10	6.6
Orange	10	209	6.9	12	192	6.3
San Joaquin	11	44	6.4	12	44	6.3
Marin	19	12	4.7	14	15	5.9
California						5.8
Santa Barbara	17	21	4.9	15	24	5.6
Berkeley	33	1	.	16	6	5.2
Sutter	12	6	6.3	16	5	5.2
Contra Costa	15	60	5.7	18	55	5.1
Sacramento	16	75	5.2	19	64	4.4
Monterey	14	25	6.0	20	18	4.3
Ventura	23	35	4.2	21	35	4.2
Solano	6	34	8.2	22	17	4.1
Kern	19	40	4.7	23	34	4.0
Fresno	17	46	4.9	24	35	3.7
Humboldt	33	1	.	24	5	3.7
United States						3.2
Kings	24	6	4.0	26	5	3.3
Sonoma	27	13	2.7	27	14	2.9
San Bernardino	28	53	2.6	28	58	2.8
Tulare	21	20	4.5	29	12	2.7
Santa Cruz	25	10	3.8	30	7	2.6
Riverside	26	68	3.1	31	56	2.5
Placer	31	6	1.7	32	6	1.7
Stanislaus	31	9	1.7	33	7	1.3
Healthy People 2020 Target						1.0
Butte	45	-	.	34	4	.
Glenn	45	-	.	34	3	.
Napa	22	6	4.4	34	3	.
San Luis Obispo	30	6	2.2	34	3	.
Yolo	33	3	.	34	3	.
Colusa	45	-	.	34	2	.
El Dorado	33	3	.	34	2	.
Lake	33	1	.	34	2	.
Lassen	45	-	.	34	2	.
Mendocino	33	2	.	34	2	.
Yuba	33	1	.	34	2	.
Amador	45	-	.	34	1	.
Calaveras	33	1	.	34	1	.
Nevada	33	1	.	34	1	.
Shasta	45	-	.	34	1	.
Alpine	45	-	.	49	-	.
Del Norte	45	-	.	49	-	.
Inyo	45	-	.	49	-	.
Mariposa	45	-	.	49	-	.
Modoc	45	-	.	49	-	.
Mono	45	-	.	49	-	.
Plumas	45	-	.	49	-	.
San Benito	33	3	.	49	-	.
Sierra	45	-	.	49	-	.
Siskiyou	45	-	.	49	-	.
Tehama	33	1	.	49	-	.
Trinity	45	-	.	49	-	.
Tuolumne	45	-	.	49	-	.

- Indicates zero cases

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

* All jurisdictions with one to four cases are given the same rank, and all jurisdictions with zero cases are given the same rank.

Table 13. Tuberculosis Cases by Year: Reporting Jurisdictions in California, 2003-2012

Reporting Jurisdiction	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Percent Change	
											2003-2012	2011-2012
California	3,218	2,991	2,900	2,776	2,725	2,699	2,466	2,326	2,322	2,191	-31.9	-5.6
Alameda	174	143	154	141	149	134	156	178	132	136	-21.8	3.0
Alpine	-	-	-	-	-	-	-	-	-	-	.	.
Amador	-	-	-	-	-	-	-	1	-	1	.	.
Berkeley	5	4	10	5	6	4	4	9	1	6	20.0	.
Butte	6	4	3	3	3	3	2	2	-	4	.	.
Calaveras	-	-	-	-	1	-	2	-	1	1	.	.
Colusa	1	-	-	2	-	1	-	3	-	2	.	.
Contra Costa	82	64	58	50	51	79	47	33	60	55	-32.9	-8.3
Del Norte	1	-	-	1	-	-	1	-	-	-	.	.
El Dorado	-	3	4	4	3	4	1	1	3	2	.	.
Fresno	115	102	69	62	41	75	66	54	46	35	-69.6	-23.9
Glenn	3	-	-	1	2	1	-	1	-	3	.	.
Humboldt	2	4	4	1	-	-	2	1	1	5	.	.
Imperial	25	31	32	33	29	21	36	24	27	30	20.0	11.1
Inyo	1	-	-	-	1	-	-	1	-	-	.	.
Kern	47	36	42	41	38	50	41	36	40	34	-27.7	-15.0
Kings	3	3	9	2	6	5	4	4	6	5	.	-16.7
Lake	1	3	-	1	1	2	-	2	1	2	.	.
Lassen	-	-	2	-	-	-	1	-	-	2	.	.
Long Beach	65	54	53	39	39	47	44	42	29	34	-47.7	17.2
Los Angeles	946	928	904	879	815	790	701	675	680	625	-33.9	-8.1
Madera	14	5	9	3	1	20	8	3	12	10	-28.6	-16.7
Marin	17	13	10	6	16	6	14	11	12	15	-11.8	25.0
Mariposa	-	-	-	-	-	-	-	-	-	-	.	.
Mendocino	6	1	2	4	3	4	3	-	2	2	.	.
Merced	16	8	8	9	5	5	11	6	6	19	18.8	216.7
Modoc	-	-	-	-	-	-	-	-	-	-	.	.
Mono	-	-	-	-	-	-	-	-	-	-	.	.
Monterey	54	29	37	29	22	24	16	21	25	18	-66.7	-28.0
Napa	6	8	3	7	7	3	8	6	6	3	.	.
Nevada	1	1	2	2	-	3	-	-	1	1	.	.
Orange	248	230	242	226	217	210	197	224	209	192	-22.6	-8.1
Pasadena	12	12	15	7	5	6	3	6	4	11	-8.3	.
Placer	12	2	5	6	14	2	7	3	6	6	-50.0	0.0
Plumas	-	-	-	-	-	-	-	-	-	-	.	.
Riverside	74	75	60	74	80	79	69	74	68	56	-24.3	-17.6
Sacramento	151	157	142	97	109	110	98	64	75	64	-57.6	-14.7
San Benito	2	2	-	1	-	1	-	1	3	-	.	.
San Bernardino	67	68	63	58	59	74	76	60	53	58	-13.4	9.4
San Diego	316	320	305	315	280	264	223	222	263	234	-25.9	-11.0
San Francisco	162	135	132	120	143	118	115	98	108	116	-28.4	7.4
San Joaquin	69	65	63	78	51	66	76	46	44	44	-36.2	0.0
San Luis Obispo	8	3	8	2	3	1	3	4	6	3	.	.
San Mateo	52	56	62	78	89	64	66	59	59	54	3.8	-8.5
Santa Barbara	37	18	26	15	14	34	22	30	21	24	-35.1	14.3
Santa Clara	226	202	199	228	240	197	197	193	180	176	-22.1	-2.2
Santa Cruz	9	9	10	6	10	10	5	10	10	7	-22.2	-30.0
Shasta	9	4	6	5	4	2	1	2	-	1	.	.
Sierra	-	-	-	-	-	-	-	-	-	-	.	.
Siskiyou	-	-	1	-	-	-	-	-	-	-	.	.
Solano	29	42	38	26	37	33	23	20	34	17	-41.4	-50.0
Sonoma	15	21	11	14	13	9	9	9	13	14	-6.7	7.7
Stanislaus	17	19	11	16	16	20	20	16	9	7	-58.8	-22.2
Sutter	5	-	1	3	1	6	1	3	6	5	0.0	-16.7
Tehama	3	1	4	2	4	1	2	-	1	-	.	.
Trinity	-	-	-	1	-	-	-	-	-	-	.	.
Tulare	16	21	15	21	25	33	24	26	20	12	-25.0	-40.0
Tuolumne	-	1	-	-	-	-	1	-	-	-	.	.
Ventura	73	72	55	49	57	65	48	33	35	35	-52.1	0.0
Yolo	12	5	9	3	9	8	12	8	3	3	.	.
Yuba	3	7	2	-	6	5	-	1	1	2	.	.

- Indicates zero cases

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

Table 14. Tuberculosis Case Rates per 100,000 Population: Reporting Jurisdictions in California, 2003-2012

Reporting Jurisdiction	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	Percent Change	
											2003-2012	2011-2012
California	9.1	8.4	8.1	7.7	7.5	7.3	6.7	6.2	6.2	5.8	-36.3	-6.5
Alameda	12.8	10.5	11.4	10.4	10.9	9.7	11.2	12.7	9.4	9.5	-25.8	1.1
Alpine	.	.	.	.	.	.	.	.	.	.	.	.
Amador	.	.	.	.	.	.	.	.	.	.	.	.
Berkeley	4.8	.	9.5	4.6	5.5	.	.	8.0	.	5.2	8.3	.
Butte	2.8	.	.	.	.	.	.	.	.	.	.	.
Calaveras	.	.	.	.	.	.	.	.	.	.	.	.
Colusa	.	.	.	.	.	.	.	.	.	.	.	.
Contra Costa	8.3	6.4	5.8	4.9	5.0	7.6	4.5	3.1	5.7	5.1	-38.6	-10.5
Del Norte	.	.	.	.	.	.	.	.	.	.	.	.
El Dorado	.	.	.	.	.	.	.	.	.	.	.	.
Fresno	13.6	11.9	7.9	7.0	4.6	8.2	7.1	5.8	4.9	3.7	-72.8	-24.5
Glenn	.	.	.	.	.	.	.	.	.	.	.	.
Humboldt	.	.	.	.	.	.	.	.	.	3.7	.	.
Imperial	16.6	20.1	20.3	20.3	17.4	12.3	20.8	13.7	15.2	16.8	1.2	10.5
Inyo	.	.	.	.	.	.	.	.	.	.	.	.
Kern	6.5	4.9	5.5	5.2	4.7	6.1	4.9	4.3	4.7	4.0	-38.5	-14.9
Kings	.	.	6.2	.	4.0	3.3	.	.	4.0	3.3	.	-17.5
Lake	.	.	.	.	.	.	.	.	.	.	.	.
Lassen	.	.	.	.	.	.	.	.	.	.	.	.
Long Beach	13.8	11.4	11.3	8.4	8.4	10.1	9.5	9.1	6.2	7.3	-47.1	17.7
Los Angeles	10.3	10.1	9.8	9.6	8.9	8.6	7.6	7.3	7.3	6.7	-35.0	-8.2
Madera	10.5	3.7	6.4	.	.	13.4	5.3	.	7.9	6.6	-37.1	-16.5
Marin	6.9	5.3	4.1	2.4	6.4	2.4	5.6	4.4	4.7	5.9	-14.5	25.5
Mariposa	.	.	.	.	.	.	.	.	.	.	.	.
Mendocino	6.8	.	.	.	.	.	.	.	.	.	.	.
Merced	7.0	3.4	3.3	3.7	2.0	2.0	4.3	2.3	2.3	7.3	4.3	217.4
Modoc	.	.	.	.	.	.	.	.	.	.	.	.
Mono	.	.	.	.	.	.	.	.	.	.	.	.
Monterey	13.1	7.1	9.1	7.1	5.4	5.8	3.9	5.0	6.0	4.3	-67.2	-28.3
Napa	4.6	6.1	.	5.3	5.3	.	5.9	4.4	4.4	.	.	.
Nevada	.	.	.	.	.	.	.	.	.	.	.	.
Orange	8.4	7.8	8.2	7.6	7.3	7.0	6.6	7.4	6.9	6.3	-25.0	-8.7
Pasadena	8.7	8.7	10.9	5.1	3.7	4.4	.	4.4	.	7.9	-9.2	.
Placer	4.1	.	1.6	1.9	4.2	.	2.0	.	1.7	1.7	-58.5	.
Plumas	.	.	.	.	.	.	.	.	.	.	.	.
Riverside	4.2	4.0	3.1	3.7	3.8	3.7	3.2	3.4	3.1	2.5	-40.5	-19.4
Sacramento	11.4	11.7	10.5	7.1	7.9	7.9	6.9	4.5	5.2	4.4	-61.4	-15.4
San Benito	.	.	.	.	.	.	.	.	.	.	.	.
San Bernardino	3.6	3.6	3.2	2.9	2.9	3.7	3.8	2.9	2.6	2.8	-22.2	7.7
San Diego	10.7	10.8	10.3	10.6	9.3	8.7	7.2	7.2	8.4	7.4	-30.8	-11.9
San Francisco	20.7	17.3	16.9	15.3	18.1	14.8	14.3	12.2	13.3	14.1	-31.9	6.0
San Joaquin	11.1	10.2	9.7	11.8	7.6	9.8	11.2	6.7	6.4	6.3	-43.2	-1.6
San Luis Obispo	3.1	.	3.1	.	.	.	.	.	2.2	.	.	.
San Mateo	7.4	8.0	8.9	11.2	12.6	9.0	9.2	8.2	8.1	7.3	-1.4	-9.9
Santa Barbara	9.0	4.4	6.3	3.6	3.4	8.1	5.2	7.1	4.9	5.6	-37.8	14.3
Santa Clara	13.3	11.9	11.7	13.3	13.8	11.2	11.1	10.8	10.0	9.6	-27.8	-4.0
Santa Cruz	3.5	3.5	3.9	2.3	3.9	3.8	1.9	3.8	3.8	2.6	-25.7	-31.6
Shasta	5.2	.	3.4	2.9	.	.	.	.	.	.	.	.
Sierra	.	.	.	.	.	.	.	.	.	.	.	.
Siskiyou	.	.	.	.	.	.	.	.	.	.	.	.
Solano	7.1	10.2	9.3	6.3	9.0	8.0	5.6	4.8	8.2	4.1	-42.3	-50.0
Sonoma	3.2	4.5	2.3	3.0	2.7	1.9	1.9	1.9	2.7	2.9	-9.4	7.4
Stanislaus	3.5	3.9	2.2	3.2	3.1	3.9	3.9	3.1	1.7	1.3	-62.9	-23.5
Sutter	5.9	.	.	.	.	6.4	.	.	6.3	5.2	-11.9	-17.5
Tehama	.	.	.	.	.	.	.	.	.	.	.	.
Trinity	.	.	.	.	.	.	.	.	.	.	.	.
Tulare	4.1	5.3	3.7	5.0	5.9	7.6	5.5	5.9	4.5	2.7	-34.1	-40.0
Tuolumne	.	.	.	.	.	.	.	.	.	.	.	.
Ventura	9.2	9.1	6.9	6.1	7.1	8.0	5.9	4.0	4.2	4.2	-54.3	.
Yolo	6.6	2.7	4.8	.	4.6	4.0	6.0	4.0	.	.	.	.
Yuba	.	10.7	.	.	8.5	7.0	.	.	.	.	.	.

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

Table 15. Tuberculosis Cases by Age Group: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	All Ages	Age Group						Unknown
		0-4	5-14	15-24	25-44	45-64	65+	
California	2,191	48	40	215	597	700	590	1
Alameda	136	3	3	12	39	42	37	-
Berkeley	6	-	-	3	-	2	1	-
Contra Costa	55	-	-	3	20	18	14	-
Fresno	35	-	-	5	8	8	14	-
Humboldt	5	1	-	1	1	1	1	-
Imperial	30	1	2	4	5	12	6	-
Kern	34	2	1	1	10	7	13	-
Kings	5	-	-	-	3	2	-	-
Long Beach	34	2	1	1	8	10	12	-
Los Angeles	625	9	4	57	138	230	187	-
Madera	10	1	-	4	2	1	2	-
Marin	15	1	1	2	4	-	7	-
Merced	19	1	1	1	6	8	2	-
Monterey	18	3	1	2	7	2	3	-
Orange	192	2	4	20	46	65	55	-
Pasadena	11	-	-	-	3	3	5	-
Placer	6	-	-	-	3	1	2	-
Riverside	56	1	-	6	13	22	14	-
Sacramento	64	1	1	8	23	17	14	-
San Bernardino	58	1	1	4	12	22	17	1
San Diego	234	6	5	41	68	65	49	-
San Francisco	116	-	2	10	36	38	30	-
San Joaquin	44	3	2	3	6	15	15	-
San Mateo	54	-	-	2	21	14	17	-
Santa Barbara	24	2	1	5	8	5	3	-
Santa Clara	176	3	3	13	67	47	43	-
Santa Cruz	7	-	-	-	5	2	-	-
Solano	17	-	-	-	7	6	4	-
Sonoma	14	2	1	1	4	4	2	-
Stanislaus	7	-	-	1	1	5	-	-
Sutter	5	-	-	-	1	1	3	-
Tulare	12	1	-	-	3	5	3	-
Ventura	35	1	5	4	10	9	6	-
All Other Jurisdictions	32	1	1	1	9	11	9	-

- 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, 2004-2012

Reporting Jurisdiction	2004		2005		2006		2007		2008		2009		2010		2011		2012	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	118	3.9	85	2.9	91	3.3	89	3.3	90	3.3	70	2.8	55	2.4	82	3.5	48	2.2
Alameda	1	0.7	3	1.9	-	-	3	2.0	1	0.7	4	2.6	3	1.7	3	2.3	3	2.2
Contra Costa	-	-	-	-	1	2.0	3	5.9	3	3.8	1	2.1	-	-	2	3.3	-	-
Fresno	20	19.6	5	7.2	3	4.8	2	4.9	8	10.7	3	4.5	3	5.6	3	6.5	-	-
Imperial	2	6.5	2	6.3	3	9.1	1	3.4	1	4.8	-	-	-	-	-	-	1	3.3
Kern	3	8.3	1	2.4	1	2.4	2	5.3	1	2.0	1	2.4	1	2.8	5	12.5	2	5.9
Long Beach	1	1.9	-	-	-	-	2	5.1	1	2.1	1	2.3	1	2.4	1	3.4	2	5.9
Los Angeles	27	2.9	26	2.9	31	3.5	27	3.3	24	3.0	14	2.0	15	2.2	29	4.3	9	1.4
Marin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	6.7
Merced	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	5.3
Monterey	3	10.3	1	2.7	3	10.3	-	-	4	16.7	1	6.3	2	9.5	3	12.0	3	16.7
Orange	4	1.7	4	1.7	8	3.5	9	4.1	6	2.9	4	2.0	6	2.7	2	1.0	2	1.0
Riverside	4	5.3	1	1.7	1	1.4	1	1.3	3	3.8	2	2.9	-	-	1	1.5	1	1.8
Sacramento	5	3.2	4	2.8	-	-	4	3.7	1	0.9	1	1.0	1	1.6	2	2.7	1	1.6
San Bernardino	3	4.4	3	4.8	3	5.2	-	-	1	1.4	5	6.6	-	-	2	3.8	1	1.7
San Diego	16	5.0	14	4.6	19	6.0	10	3.6	5	1.9	9	4.0	8	3.6	7	2.7	6	2.6
San Francisco	5	3.7	2	1.5	1	0.8	1	0.7	4	3.4	2	1.7	1	1.0	5	4.6	-	-
San Joaquin	3	4.6	4	6.3	3	3.8	4	7.8	4	6.1	7	9.2	-	-	3	6.8	3	6.8
San Mateo	1	1.8	2	3.2	-	-	2	2.2	3	4.7	-	-	2	3.4	2	3.4	-	-
Santa Barbara	-	-	2	7.7	-	-	-	-	3	8.8	2	9.1	2	6.7	3	14.3	2	8.3
Santa Clara	4	2.0	3	1.5	6	2.6	6	2.5	5	2.5	6	3.0	4	2.1	4	2.2	3	1.7
Santa Cruz	-	-	1	10.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solano	2	4.8	-	-	3	11.5	-	-	3	9.1	-	-	1	5.0	-	-	-	-
Sonoma	2	9.5	-	-	-	-	-	-	1	11.1	-	-	-	-	1	7.7	2	14.3
Stanislaus	2	10.5	-	-	-	-	-	-	-	-	-	-	1	6.3	-	-	-	-
Tulare	4	19.0	-	-	2	9.5	1	4.0	4	12.1	3	12.5	1	3.8	1	5.0	1	8.3
Ventura	3	4.2	-	-	1	2.0	4	7.0	1	1.5	3	6.3	3	9.1	2	5.7	1	2.9
All Other Jurisdictions*	3	4.1	7	7.1	2	3.0	7	8.8	3	3.7	1	1.5	-	-	1	1.6	3	3.8

- Indicates zero cases or zero percent

* Reporting jurisdictions with fewer than 5 total cases in any year

Table 17. Tuberculosis Cases 0-14 Years of Age that Lived Outside the U.S. for Greater than Two Months: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Cases Ages 0-4 Yrs					Cases Ages 5-14 Yrs				
	Cases 0-4 Yrs	Cases with Information		Lived Outside U.S. ≥ Two Months		Cases 5-14 Yrs	Cases with Information		Lived Outside U.S. ≥ Two Months	
		No.	%	No.	%		No.	%	No.	%
California	48	45	93.8	12	26.7	40	39	97.5	10	25.6
Alameda	3	1	33.3	1	100.0	3	2	66.7	-	-
Berkeley	-	-	-	-	-	-	-	-	-	-
Contra Costa	-	-	-	-	-	-	-	-	-	-
Fresno	-	-	-	-	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	-	-	-	-
Imperial	-	-	-	-	-	-	-	-	-	-
Kern	-	-	-	-	-	-	-	-	-	-
Kings	-	-	-	-	-	-	-	-	-	-
Long Beach	-	-	-	-	-	-	-	-	-	-
Los Angeles	9	9	100.0	1	11.1	4	4	100.0	1	25.0
Madera	-	-	-	-	-	-	-	-	-	-
Marin	-	-	-	-	-	-	-	-	-	-
Merced	-	-	-	-	-	-	-	-	-	-
Monterey	-	-	-	-	-	-	-	-	-	-
Orange	2	2	100.0	1	50.0	4	4	100.0	1	25.0
Pasadena	-	-	-	-	-	-	-	-	-	-
Placer	-	-	-	-	-	-	-	-	-	-
Riverside	-	-	-	-	-	-	-	-	-	-
Sacramento	-	-	-	-	-	-	-	-	-	-
San Bernardino	-	-	-	-	-	-	-	-	-	-
San Diego	6	6	100.0	3	50.0	5	5	100.0	1	20.0
San Francisco	-	-	-	-	-	-	-	-	-	-
San Joaquin	3	3	100.0	-	-	2	2	100.0	-	-
San Mateo	-	-	-	-	-	-	-	-	-	-
Santa Barbara	-	-	-	-	-	-	-	-	-	-
Santa Clara	3	2	66.7	-	-	3	3	100.0	2	66.7
Santa Cruz	-	-	-	-	-	-	-	-	-	-
Solano	-	-	-	-	-	-	-	-	-	-
Sonoma	-	-	-	-	-	-	-	-	-	-
Stanislaus	-	-	-	-	-	-	-	-	-	-
Sutter	-	-	-	-	-	-	-	-	-	-
Tulare	-	-	-	-	-	-	-	-	-	-
Ventura	1	1	100.0	-	-	5	5	100.0	1	20.0
All Other Jurisdictions*	21	21	100.0	6	28.6	14	14	100.0	4	28.6

-Indicates zero cases or zero percent

*Reporting jurisdictions with fewer than 5 total cases

Table 18. Tuberculosis Cases by Race/Ethnicity: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Total Cases	Race/Ethnicity						
		White Not Hispanic	Black Not Hispanic	Hispanic	Asian	Amer Indian/ Alaska Native	Nat Hawaiian/ Pacific Islander	Multi-race*
California	2,191	183	137	817	1,028	6	14	6
Alameda	136	11	17	18	88	-	2	-
Berkeley	6	1	1	-	4	-	-	-
Contra Costa	55	8	4	13	30	-	-	-
Fresno	35	3	-	19	13	-	-	-
Humboldt	5	3	-	-	2	-	-	-
Imperial	30	1	1	27	1	-	-	-
Kern	34	3	1	20	10	-	-	-
Kings	5	-	-	2	3	-	-	-
Long Beach	34	6	1	9	17	-	1	-
Los Angeles	625	38	59	284	244	-	-	-
Madera	10	-	-	8	2	-	-	-
Marin	15	8	-	5	2	-	-	-
Merced	19	1	-	13	5	-	-	-
Monterey	18	-	-	16	2	-	-	-
Orange	192	9	2	47	132	-	1	1
Pasadena	11	1	-	4	6	-	-	-
Placer	6	-	-	2	4	-	-	-
Riverside	56	6	2	35	13	-	-	-
Sacramento	64	11	4	7	38	-	4	-
San Bernardino	58	2	5	29	21	1	-	-
San Diego	234	15	12	129	76	-	2	-
San Francisco	116	13	15	6	78	2	2	-
San Joaquin	44	2	-	11	29	-	-	2
San Mateo	54	6	1	16	27	1	2	1
Santa Barbara	24	2	1	16	5	-	-	-
Santa Clara	176	10	8	25	132	-	-	1
Santa Cruz	7	-	-	6	1	-	-	-
Solano	17	2	2	-	13	-	-	-
Sonoma	14	3	-	7	4	-	-	-
Stanislaus	7	2	-	3	2	-	-	-
Sutter	5	1	-	-	4	-	-	-
Tulare	12	2	-	8	1	1	-	-
Ventura	35	5	1	19	10	-	-	-
All Other Jurisdictions**	32	8	-	13	9	1	-	1

- Indicates zero cases

* Two or more races reported

** Reporting jurisdictions with fewer than 5 cases

Table 19. Tuberculosis Cases by U.S.-born and Foreign-born Persons: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	All Cases	Foreign-born		U.S.-born		Unknown	
		No.	%	No.	%	No.	%
California	2,191	1,722	78.6	468	21.4	1	<0.1
Alameda	136	111	81.6	25	18.4	-	-
Berkeley	6	4	66.7	2	33.3	-	-
Contra Costa	55	44	80.0	11	20.0	-	-
Fresno	35	24	68.6	11	31.4	-	-
Humboldt	5	2	40.0	3	60.0	-	-
Imperial	30	15	50.0	15	50.0	-	-
Kern	34	25	73.5	9	26.5	-	-
Kings	5	5	100.0	-	-	-	-
Long Beach	34	21	61.8	13	38.2	-	-
Los Angeles	625	509	81.4	116	18.6	-	-
Madera	10	7	70.0	3	30.0	-	-
Marin	15	10	66.7	5	33.3	-	-
Merced	19	13	68.4	6	31.6	-	-
Monterey	18	12	66.7	6	33.3	-	-
Orange	192	172	89.6	20	10.4	-	-
Pasadena	11	11	100.0	-	-	-	-
Placer	6	6	100.0	-	-	-	-
Riverside	56	42	75.0	14	25.0	-	-
Sacramento	64	50	78.1	14	21.9	-	-
San Bernardino	58	44	75.9	14	24.1	-	-
San Diego	234	166	70.9	68	29.1	-	-
San Francisco	116	92	79.3	24	20.7	-	-
San Joaquin	44	27	61.4	17	38.6	-	-
San Mateo	54	46	85.2	8	14.8	-	-
Santa Barbara	24	17	70.8	7	29.2	-	-
Santa Clara	176	157	89.2	18	10.2	1	0.6
Santa Cruz	7	7	100.0	-	-	-	-
Solano	17	14	82.4	3	17.6	-	-
Sonoma	14	8	57.1	6	42.9	-	-
Stanislaus	7	4	57.1	3	42.9	-	-
Sutter	5	4	80.0	1	20.0	-	-
Tulare	12	8	66.7	4	33.3	-	-
Ventura	35	26	74.3	9	25.7	-	-
All Other Jurisdictions*	32	19	59.4	13	40.6	-	-

- Indicates zero cases or zero percent

* Reporting jurisdictions with fewer than 5 cases

Table 20. Tuberculosis Cases in Foreign-born Persons by Time in the United States: Reporting Jurisdictions in California, 2012

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	1,722	150	8.7	61	3.5	151	8.8	221	12.8	379	22.0	696	40.4	64	3.7
Alameda	111	13	11.7	4	3.6	19	17.1	18	16.2	24	21.6	33	29.7	-	-
Berkeley	4	3	75.0	-	-	-	-	1	25.0	-	-	-	-	-	-
Contra Costa	44	3	6.8	1	2.3	5	11.4	8	18.2	12	27.3	15	34.1	-	-
Fresno	24	-	-	1	4.2	5	20.8	3	12.5	5	20.8	9	37.5	1	4.2
Humboldt	2	-	-	-	-	1	50.0	1	50.0	-	-	-	-	-	-
Imperial	15	2	13.3	-	-	1	6.7	-	-	2	13.3	10	66.7	-	-
Kern	25	2	8.0	1	4.0	2	8.0	5	20.0	6	24.0	9	36.0	-	-
Kings	5	-	-	-	-	1	20.0	-	-	3	60.0	1	20.0	-	-
Long Beach	21	2	9.5	-	-	-	-	1	4.8	3	14.3	10	47.6	5	23.8
Los Angeles	509	34	6.7	12	2.4	37	7.3	48	9.4	133	26.1	245	48.1	-	-
Madera	7	-	-	2	28.6	-	-	3	42.9	-	-	2	28.6	-	-
Marin	10	2	20.0	1	10.0	-	-	2	20.0	2	20.0	3	30.0	-	-
Merced	13	-	-	-	-	1	7.7	2	15.4	2	15.4	8	61.5	-	-
Monterey	12	-	-	-	-	1	8.3	4	33.3	3	25.0	4	33.3	-	-
Orange	172	15	8.7	9	5.2	13	7.6	24	14.0	32	18.6	63	36.6	16	9.3
Pasadena	11	1	9.1	-	-	-	-	1	9.1	1	9.1	7	63.6	1	9.1
Placer	6	-	-	-	-	1	16.7	1	16.7	1	16.7	3	50.0	-	-
Riverside	42	3	7.1	-	-	4	9.5	2	4.8	9	21.4	17	40.5	7	16.7
Sacramento	50	8	16.0	4	8.0	-	-	5	10.0	15	30.0	15	30.0	3	6.0
San Bernardino	44	3	6.8	1	2.3	3	6.8	5	11.4	4	9.1	15	34.1	13	29.5
San Diego	166	14	8.4	5	3.0	14	8.4	20	12.0	26	15.7	83	50.0	4	2.4
San Francisco	92	5	5.4	4	4.3	11	12.0	11	12.0	30	32.6	31	33.7	-	-
San Joaquin	27	1	3.7	1	3.7	2	7.4	2	7.4	4	14.8	16	59.3	1	3.7
San Mateo	46	5	10.9	1	2.2	2	4.3	8	17.4	11	23.9	18	39.1	1	2.2
Santa Barbara	17	3	17.6	1	5.9	2	11.8	5	29.4	2	11.8	3	17.6	1	5.9
Santa Clara	157	16	10.2	10	6.4	14	8.9	24	15.3	37	23.6	48	30.6	8	5.1
Santa Cruz	7	2	28.6	-	-	-	-	3	42.9	-	-	2	28.6	-	-
Solano	14	2	14.3	-	-	1	7.1	1	7.1	4	28.6	5	35.7	1	7.1
Sonoma	8	1	12.5	-	-	2	25.0	1	12.5	1	12.5	3	37.5	-	-
Stanislaus	4	1	25.0	-	-	1	25.0	-	-	-	-	2	50.0	-	-
Sutter	4	-	-	-	-	2	50.0	1	25.0	-	-	1	25.0	-	-
Tulare	8	3	37.5	-	-	1	12.5	1	12.5	-	-	3	37.5	-	-
Ventura	26	4	15.4	3	11.5	3	11.5	5	19.2	4	15.4	6	23.1	1	3.8
All Other Jurisdictions*	19	2	10.5	-	-	2	10.5	5	26.3	3	15.8	6	31.6	1	5.3

- Indicates zero cases or zero percent

* Reporting jurisdictions with fewer than 5 total cases

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Table 21. Immigration Status of Foreign-born Tuberculosis Cases at First Entry into the United States: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Foreign-born Cases with Information	Immigration Status*																	
		Immigration Visa		Student Visa		Employment Visa		Tourist Visa		Family Visa		Refugee		Asylee or Parolee		Other Immigration Status**		Unknown***	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	1,713	706	41.2	42	2.5	23	1.3	53	3.1	47	2.7	61	3.6	4	0.2	437	25.5	340	19.8
Alameda	109	68	62.4	7	6.4	4	3.7	6	5.5	-	-	5	4.6	-	-	16	14.7	3	2.8
Alpine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Berkeley	4	-	-	2	50.0	-	-	-	-	-	-	-	-	-	-	-	-	2	50.0
Butte	2	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colusa	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	100.0
Contra Costa	44	32	72.7	1	2.3	2	4.5	1	2.3	-	-	1	2.3	1	2.3	6	13.6	-	-
Del Norte	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
El Dorado	2	1	50.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	50.0
Fresno	24	1	4.2	-	-	-	-	-	-	-	-	4	16.7	-	-	18	75.0	1	4.2
Glenn	3	-	-	-	-	-	-	-	-	-	-	-	-	-	-	3	100.0	-	-
Humboldt	2	-	-	-	-	-	-	-	-	2	100.0	-	-	-	-	-	-	-	-
Imperial	15	3	20.0	-	-	-	-	-	-	-	-	-	-	-	-	12	80.0	-	-
Inyo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kern	25	7	28.0	-	-	-	-	3	12.0	5	20.0	-	-	-	-	10	40.0	-	-
Kings	5	3	60.0	-	-	-	-	-	-	-	-	-	-	-	-	2	40.0	-	-
Lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lassen	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	100.0	-	-
Long Beach	21	5	23.8	-	-	-	-	1	4.8	-	-	5	23.8	-	-	3	14.3	7	33.3
Los Angeles	509	99	19.4	4	0.8	1	0.2	12	2.4	1	0.2	3	0.6	-	-	139	27.3	250	49.1
Madera	7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	7	100.0	-	-
Marin	10	6	60.0	-	-	-	-	-	-	-	-	-	-	-	-	4	40.0	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mendocino	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Merced	13	-	-	-	-	1	7.7	-	-	-	-	1	7.7	-	-	8	61.5	3	23.1
Modoc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monterey	12	1	8.3	-	-	-	-	-	-	2	16.7	1	8.3	-	-	7	58.3	1	8.3
Napa	3	1	33.3	-	-	1	33.3	-	-	-	-	-	-	-	-	-	-	1	33.3

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- Indicates zero cases or zero percent

* See Technical Notes for more information on reporting immigration status.

** Foreign-born TB patients who first entered the United States with a status that is other than those listed and whose status is not unknown

*** Foreign-born TB patients who do not know their immigration status at first entry to the United States or patients in jurisdictions with policies that forbid asking their patients their immigration status

Table 21. Immigration Status of Foreign-born Tuberculosis Cases at First Entry into the United States: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Foreign-born Cases with Information	Immigration Status*																	
		Immigration Visa		Student Visa		Employment Visa		Tourist Visa		Family Visa		Refugee		Asylee or Parolee		Other Immigration Status**		Unknown***	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Nevada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orange	171	130	76.0	3	1.8	2	1.2	5	2.9	-	-	4	2.3	-	-	26	15.2	1	0.6
Pasadena	11	4	36.4	-	-	1	9.1	1	9.1	-	-	-	-	-	-	3	27.3	2	18.2
Placer	6	1	16.7	-	-	-	-	-	-	-	-	-	-	-	-	-	-	5	83.3
Plumas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Riverside	41	29	70.7	-	-	-	-	-	-	-	-	-	-	-	-	3	7.3	9	22.0
Sacramento	48	12	25.0	1	2.1	-	-	1	2.1	1	2.1	2	4.2	-	-	6	12.5	25	52.1
San Benito	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Bernardino	44	5	11.4	2	4.5	-	-	-	-	1	2.3	-	-	-	-	31	70.5	5	11.4
San Diego	164	100	61.0	7	4.3	1	0.6	13	7.9	5	3.0	9	5.5	1	0.6	26	15.9	2	1.2
San Francisco	92	74	80.4	5	5.4	-	-	-	-	4	4.3	3	3.3	-	-	6	6.5	-	-
San Joaquin	27	13	48.1	-	-	-	-	1	3.7	-	-	9	33.3	-	-	4	14.8	-	-
San Luis Obispo	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Mateo	46	4	8.7	-	-	-	-	-	-	-	-	-	-	-	-	41	89.1	1	2.2
Santa Barbara	17	2	11.8	-	-	1	5.9	-	-	-	-	-	-	-	-	13	76.5	1	5.9
Santa Clara	156	76	48.7	8	5.1	5	3.2	8	5.1	21	13.5	13	8.3	1	0.6	17	10.9	7	4.5
Santa Cruz	7	1	14.3	1	14.3	-	-	-	-	-	-	-	-	-	-	4	57.1	1	14.3
Shasta	1	-	-	-	-	-	-	-	-	-	-	-	-	1	100.0	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solano	14	12	85.7	-	-	1	7.1	-	-	-	-	-	-	-	-	-	-	1	7.1
Sonoma	8	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	8	100.0
Stanislaus	4	1	25.0	-	-	-	-	-	-	-	-	1	25.0	-	-	-	-	2	50.0
Sutter	4	3	75.0	-	-	-	-	-	-	1	25.0	-	-	-	-	-	-	-	-
Tehama	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tulare	8	3	37.5	-	-	2	25.0	1	12.5	-	-	-	-	-	-	2	25.0	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ventura	26	3	11.5	-	-	1	3.8	-	-	3	11.5	-	-	-	-	19	73.1	-	-
Yolo	3	2	66.7	1	33.3	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yuba	1	-	-	-	-	-	-	-	-	1	100.0	-	-	-	-	-	-	-	-

- Indicates zero cases or zero percent

* See Technical Notes for more information on reporting immigration status.

** Foreign-born TB patients who first entered the United States with a status that is other than those listed and whose status is not unknown

*** Foreign-born TB patients who do not know their immigration status at first entry to the United States or patients in jurisdictions with policies that forbid asking their patients their immigration status

Table 22. Primary Reason Evaluated for Tuberculosis: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Total Cases	Primary Reason Evaluated for TB Disease*																	
		Cases with Information on Reason Evaluated		TB Symptoms		Abnormal Chest Image		Contact Investigation		Targeted Investigation		Health Care Worker		Employment or Administrative Testing		Immigration Medical Exam		Incidental Lab Result	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	2,191	2,179	99.5	1,414	64.9	384	17.6	65	3.0	52	2.4	6	0.3	17	0.8	49	2.2	192	8.8
Alameda	136	136	100.0	106	77.9	12	8.8	4	2.9	4	2.9	-	-	-	-	4	2.9	6	4.4
Alpine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amador	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	100.0
Berkeley	6	6	100.0	3	50.0	3	50.0	-	-	-	-	-	-	-	-	-	-	-	-
Butte	4	4	100.0	2	50.0	1	25.0	-	-	-	-	-	-	-	-	-	-	1	25.0
Calaveras	1	1	100.0	-	-	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Colusa	2	2	100.0	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contra Costa	55	55	100.0	42	76.4	6	10.9	-	-	-	-	-	-	-	-	1	1.8	6	10.9
Del Norte	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
El Dorado	2	2	100.0	1	50.0	-	-	-	-	-	-	-	-	-	-	-	-	1	50.0
Fresno	35	35	100.0	26	74.3	6	17.1	3	8.6	-	-	-	-	-	-	-	-	-	-
Glenn	3	3	100.0	2	66.7	1	33.3	-	-	-	-	-	-	-	-	-	-	-	-
Humboldt	5	5	100.0	3	60.0	1	20.0	-	-	1	20.0	-	-	-	-	-	-	-	-
Imperial	30	30	100.0	23	76.7	6	20.0	1	3.3	-	-	-	-	-	-	-	-	-	-
Inyo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kern	34	34	100.0	22	64.7	10	29.4	1	2.9	-	-	-	-	-	-	1	2.9	-	-
Kings	5	5	100.0	3	60.0	2	40.0	-	-	-	-	-	-	-	-	-	-	-	-
Lake	2	2	100.0	-	-	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Lassen	2	2	100.0	1	50.0	1	50.0	-	-	-	-	-	-	-	-	-	-	-	-
Long Beach	34	34	100.0	16	47.1	9	26.5	1	2.9	2	5.9	-	-	1	2.9	1	2.9	4	11.8
Los Angeles	625	625	100.0	434	69.4	110	17.6	16	2.6	8	1.3	-	-	1	0.2	14	2.2	42	6.7
Madera	10	10	100.0	7	70.0	1	10.0	-	-	-	-	-	-	-	-	-	-	2	20.0
Marin	15	15	100.0	7	46.7	6	40.0	-	-	1	6.7	-	-	-	-	-	-	1	6.7
Mariposa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mendocino	2	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-	1	50.0	1	50.0
Merced	19	19	100.0	13	68.4	2	10.5	3	15.8	-	-	-	-	-	-	-	-	1	5.3
Modoc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monterey	18	18	100.0	9	50.0	1	5.6	3	16.7	-	-	-	-	1	5.6	-	-	4	22.2
Napa	3	3	100.0	-	-	2	66.7	-	-	-	-	-	-	-	-	-	-	1	33.3

- Indicates zero cases or zero percent

* See Technical Notes for details about reporting the primary reason patient was evaluated for TB.

Table 22. Primary Reason Evaluated for Tuberculosis: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Total Cases	Primary Reason Evaluated for TB Disease*																	
		Cases with Information on Reason Evaluated		TB Symptoms		Abnormal Chest Image		Contact Investigation		Targeted Investigation		Health Care Worker		Employment or Administrative Testing		Immigration Medical Exam		Incidental Lab Result	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Nevada	1	1	100.0	-	-	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Orange	192	191	99.5	126	66.0	24	12.6	4	2.1	-	-	1	0.5	1	0.5	8	4.2	27	14.1
Pasadena	11	11	100.0	6	54.5	1	9.1	-	-	-	-	-	-	-	-	-	-	4	36.4
Placer	6	6	100.0	4	66.7	2	33.3	-	-	-	-	-	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Riverside	56	56	100.0	33	58.9	8	14.3	-	-	-	-	-	-	-	-	2	3.6	13	23.2
Sacramento	64	63	98.4	32	50.8	16	25.4	-	-	2	3.2	1	1.6	-	-	1	1.6	11	17.5
San Benito	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Bernardino	58	58	100.0	44	75.9	8	13.8	1	1.7	-	-	-	-	-	-	1	1.7	4	6.9
San Diego	234	234	100.0	121	51.7	46	19.7	5	2.1	22	9.4	3	1.3	6	2.6	7	3.0	24	10.3
San Francisco	116	115	99.1	88	76.5	16	13.9	6	5.2	-	-	-	-	3	2.6	1	0.9	1	0.9
San Joaquin	44	44	100.0	26	59.1	5	11.4	7	15.9	-	-	-	-	-	-	-	-	6	13.6
San Luis Obispo	3	3	100.0	1	33.3	1	33.3	-	-	-	-	-	-	-	-	-	-	1	33.3
San Mateo	54	54	100.0	29	53.7	9	16.7	1	1.9	8	14.8	-	-	1	1.9	1	1.9	5	9.3
Santa Barbara	24	23	95.8	11	47.8	7	30.4	-	-	-	-	-	-	-	-	-	-	5	21.7
Santa Clara	176	173	98.3	120	69.4	29	16.8	3	1.7	2	1.2	1	0.6	2	1.2	4	2.3	12	6.9
Santa Cruz	7	7	100.0	6	85.7	1	14.3	-	-	-	-	-	-	-	-	-	-	-	-
Shasta	1	1	100.0	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solano	17	17	100.0	4	23.5	9	52.9	1	5.9	-	-	-	-	-	-	-	-	3	17.6
Sonoma	14	10	71.4	5	50.0	1	10.0	2	20.0	-	-	-	-	-	-	-	-	2	20.0
Stanislaus	7	7	100.0	5	71.4	2	28.6	-	-	-	-	-	-	-	-	-	-	-	-
Sutter	5	4	80.0	4	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tehama	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tulare	12	12	100.0	7	58.3	4	33.3	-	-	-	-	-	-	-	-	-	-	1	8.3
Tuolumne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ventura	35	35	100.0	16	45.7	9	25.7	3	8.6	2	5.7	-	-	1	2.9	2	5.7	2	5.7
Yolo	3	3	100.0	3	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yuba	2	2	100.0	-	-	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-

- Indicates zero cases or zero percent

* See Technical Notes for details about reporting the primary reason patient was evaluated for TB.

Table 23. Tuberculosis Cases by Form of Disease: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Total Cases	Pulmonary*		Extrapulmonary**		Both Pulmonary and Extrapulmonary Disease	
		No.	%	No.	%	No.	%
California	2,191	1,456	66.5	506	23.1	229	10.5
Alameda	136	86	63.2	41	30.1	9	6.6
Alpine	-	-	-	-	-	-	-
Amador	1	-	-	1	100.0	-	-
Berkeley	6	5	83.3	1	16.7	-	-
Butte	4	2	50.0	1	25.0	1	25.0
Calaveras	1	-	-	1	100.0	-	-
Colusa	2	1	50.0	1	50.0	-	-
Contra Costa	55	26	47.3	23	41.8	6	10.9
Del Norte	-	-	-	-	-	-	-
El Dorado	2	1	50.0	1	50.0	-	-
Fresno	35	28	80.0	1	2.9	6	17.1
Glenn	3	3	100.0	-	-	-	-
Humboldt	5	1	20.0	4	80.0	-	-
Imperial	30	27	90.0	3	10.0	-	-
Inyo	-	-	-	-	-	-	-
Kern	34	22	64.7	8	23.5	4	11.8
Kings	5	4	80.0	-	-	1	20.0
Lake	2	1	50.0	-	-	1	50.0
Lassen	2	2	100.0	-	-	-	-
Long Beach	34	28	82.4	4	11.8	2	5.9
Los Angeles	625	408	65.3	149	23.8	68	10.9
Madera	10	8	80.0	2	20.0	-	-
Marin	15	10	66.7	4	26.7	1	6.7
Mariposa	-	-	-	-	-	-	-
Mendocino	2	1	50.0	1	50.0	-	-
Merced	19	15	78.9	2	10.5	2	10.5
Modoc	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-
Monterey	18	10	55.6	6	33.3	2	11.1
Napa	3	2	66.7	1	33.3	-	-
Nevada	1	-	-	1	100.0	-	-
Orange	192	140	72.9	33	17.2	19	9.9
Pasadena	11	4	36.4	6	54.5	1	9.1
Placer	6	1	16.7	3	50.0	2	33.3
Plumas	-	-	-	-	-	-	-
Riverside	56	46	82.1	9	16.1	1	1.8
Sacramento	64	48	75.0	10	15.6	6	9.4
San Benito	-	-	-	-	-	-	-
San Bernardino	58	41	70.7	14	24.1	3	5.2
San Diego	234	155	66.2	44	18.8	35	15.0
San Francisco	116	70	60.3	33	28.4	13	11.2
San Joaquin	44	30	68.2	5	11.4	9	20.5
San Luis Obispo	3	2	66.7	1	33.3	-	-
San Mateo	54	32	59.3	16	29.6	6	11.1
Santa Barbara	24	13	54.2	7	29.2	4	16.7
Santa Clara	176	109	61.9	51	29.0	16	9.1
Santa Cruz	7	6	85.7	1	14.3	-	-
Shasta	1	-	-	-	-	1	100.0
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	17	15	88.2	1	5.9	1	5.9
Sonoma	14	7	50.0	6	42.9	1	7.1
Stanislaus	7	6	85.7	1	14.3	-	-
Sutter	5	3	60.0	1	20.0	1	20.0
Tehama	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	12	7	58.3	1	8.3	4	33.3
Tuolumne	-	-	-	-	-	-	-
Ventura	35	26	74.3	7	20.0	2	5.7
Yolo	3	3	100.0	-	-	-	-
Yuba	2	1	50.0	-	-	1	50.0

- Indicates zero cases or zero percent

* Cases with only pulmonary site of disease

** Cases with pleural, lymphatic, bone and/or joint, meningeal, peritoneal, or other site of disease; no cases with pulmonary disease are included

Table 24. Verification Criteria* by Diagnostic Classification of Tuberculosis: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Total Cases	Laboratory Confirmation of TB						Clinical Confirmation of TB			
		Positive Culture		Positive NAAT**		Positive Smear		Clinical Case		Provider Diagnosis	
		No.	%	No.	%	No.	%	No.	%	No.	%
California	2,191	1,738	79.3	36	1.6	11	0.5	315	14.4	91	4.2
Alameda	136	99	72.8	2	1.5	-	-	31	22.8	4	2.9
Alpine	-	-	-	-	-	-	-	-	-	-	-
Amador	1	1	100.0	-	-	-	-	-	-	-	-
Berkeley	6	6	100.0	-	-	-	-	-	-	-	-
Butte	4	2	50.0	-	-	-	-	2	50.0	-	-
Calaveras	1	-	-	-	-	-	-	-	-	1	100.0
Colusa	2	1	50.0	-	-	-	-	1	50.0	-	-
Contra Costa	55	45	81.8	-	-	-	-	9	16.4	1	1.8
Del Norte	-	-	-	-	-	-	-	-	-	-	-
El Dorado	2	2	100.0	-	-	-	-	-	-	-	-
Fresno	35	30	85.7	-	-	1	2.9	4	11.4	-	-
Glenn	3	2	66.7	-	-	-	-	-	-	1	33.3
Humboldt	5	1	20.0	1	20.0	-	-	3	60.0	-	-
Imperial	30	28	93.3	-	-	-	-	2	6.7	-	-
Inyo	-	-	-	-	-	-	-	-	-	-	-
Kern	34	26	76.5	-	-	-	-	5	14.7	3	8.8
Kings	5	4	80.0	1	20.0	-	-	-	-	-	-
Lake	2	-	-	-	-	-	-	2	100.0	-	-
Lassen	2	1	50.0	1	50.0	-	-	-	-	-	-
Long Beach	34	26	76.5	-	-	-	-	6	17.6	2	5.9
Los Angeles	625	509	81.4	1	0.2	4	0.6	89	14.2	22	3.5
Madera	10	3	30.0	3	30.0	-	-	3	30.0	1	10.0
Marin	15	9	60.0	-	-	-	-	3	20.0	3	20.0
Mariposa	-	-	-	-	-	-	-	-	-	-	-
Mendocino	2	-	-	-	-	-	-	-	-	2	100.0
Merced	19	16	84.2	-	-	-	-	3	15.8	-	-
Modoc	-	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-	-
Monterey	18	14	77.8	1	5.6	-	-	1	5.6	2	11.1
Napa	3	2	66.7	-	-	-	-	-	-	1	33.3
Nevada	1	-	-	-	-	-	-	1	100.0	-	-
Orange	192	177	92.2	1	0.5	-	-	11	5.7	3	1.6
Pasadena	11	10	90.9	-	-	-	-	1	9.1	-	-
Placer	6	3	50.0	-	-	1	16.7	2	33.3	-	-
Plumas	-	-	-	-	-	-	-	-	-	-	-
Riverside	56	52	92.9	-	-	-	-	3	5.4	1	1.8
Sacramento	64	44	68.8	9	14.1	1	1.6	9	14.1	1	1.6
San Benito	-	-	-	-	-	-	-	-	-	-	-
San Bernardino	58	52	89.7	-	-	-	-	3	5.2	3	5.2
San Diego	234	184	78.6	2	0.9	1	0.4	41	17.5	6	2.6
San Francisco	116	84	72.4	1	0.9	-	-	27	23.3	4	3.4
San Joaquin	44	35	79.5	1	2.3	-	-	8	18.2	-	-
San Luis Obispo	3	3	100.0	-	-	-	-	-	-	-	-
San Mateo	54	40	74.1	3	5.6	1	1.9	4	7.4	6	11.1
Santa Barbara	24	21	87.5	2	8.3	-	-	1	4.2	-	-
Santa Clara	176	134	76.1	4	2.3	2	1.1	19	10.8	17	9.7
Santa Cruz	7	2	28.6	-	-	-	-	5	71.4	-	-
Shasta	1	1	100.0	-	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-	-
Solano	17	13	76.5	2	11.8	-	-	2	11.8	-	-
Sonoma	14	8	57.1	-	-	-	-	5	35.7	1	7.1
Stanislaus	7	6	85.7	-	-	-	-	1	14.3	-	-
Sutter	5	4	80.0	-	-	-	-	-	-	1	20.0
Tehama	-	-	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-	-
Tulare	12	7	58.3	1	8.3	-	-	3	25.0	1	8.3
Tuolumne	-	-	-	-	-	-	-	-	-	-	-
Ventura	35	27	77.1	-	-	-	-	5	14.3	3	8.6
Yolo	3	3	100.0	-	-	-	-	-	-	-	-
Yuba	2	1	50.0	-	-	-	-	-	-	1	50.0

- Indicates zero cases or zero percent

* See Technical Notes for description of verification criteria of TB.

** NAAT=Nucleic Acid Amplification Test

Table 25. Tuberculosis Cases by Sputum Smear Status: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Total Pulmonary Cases	Sputum Smear Results							
		Smear Positive		Smear Negative		Smear Not Done		Unknown	
		No.	%	No.	%	No.	%	No.	%
California	1,685	849	50.4	727	43.1	106	6.3	3	0.2
Alameda	95	46	48.4	42	44.2	7	7.4	-	-
Alpine	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-
Berkeley	5	3	60.0	1	20.0	1	20.0	-	-
Butte	3	1	33.3	2	66.7	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-
Colusa	1	-	-	1	100.0	-	-	-	-
Contra Costa	32	13	40.6	18	56.3	1	3.1	-	-
Del Norte	-	-	-	-	-	-	-	-	-
El Dorado	1	1	100.0	-	-	-	-	-	-
Fresno	34	14	41.2	15	44.1	5	14.7	-	-
Glenn	3	1	33.3	1	33.3	1	33.3	-	-
Humboldt	1	-	-	1	100.0	-	-	-	-
Imperial	27	20	74.1	5	18.5	2	7.4	-	-
Inyo	-	-	-	-	-	-	-	-	-
Kern	26	10	38.5	14	53.8	2	7.7	-	-
Kings	5	3	60.0	2	40.0	-	-	-	-
Lake	2	-	-	2	100.0	-	-	-	-
Lassen	2	1	50.0	1	50.0	-	-	-	-
Long Beach	30	19	63.3	9	30.0	2	6.7	-	-
Los Angeles	476	267	56.1	183	38.4	26	5.5	-	-
Madera	8	4	50.0	3	37.5	1	12.5	-	-
Marin	11	1	9.1	9	81.8	1	9.1	-	-
Mariposa	-	-	-	-	-	-	-	-	-
Mendocino	1	-	-	1	100.0	-	-	-	-
Merced	17	5	29.4	9	52.9	3	17.6	-	-
Modoc	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-
Monterey	12	7	58.3	1	8.3	4	33.3	-	-
Napa	2	-	-	2	100.0	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-
Orange	159	93	58.5	66	41.5	-	-	-	-
Pasadena	5	3	60.0	1	20.0	1	20.0	-	-
Placer	3	1	33.3	1	33.3	1	33.3	-	-
Plumas	-	-	-	-	-	-	-	-	-
Riverside	47	26	55.3	17	36.2	3	6.4	1	2.1
Sacramento	54	32	59.3	17	31.5	3	5.6	2	3.7
San Benito	-	-	-	-	-	-	-	-	-
San Bernardino	44	27	61.4	14	31.8	3	6.8	-	-
San Diego	190	73	38.4	106	55.8	11	5.8	-	-
San Francisco	83	36	43.4	45	54.2	2	2.4	-	-
San Joaquin	39	17	43.6	16	41.0	6	15.4	-	-
San Luis Obispo	2	-	-	2	100.0	-	-	-	-
San Mateo	38	17	44.7	18	47.4	3	7.9	-	-
Santa Barbara	17	11	64.7	4	23.5	2	11.8	-	-
Santa Clara	125	57	45.6	63	50.4	5	4.0	-	-
Santa Cruz	6	2	33.3	4	66.7	-	-	-	-
Shasta	1	-	-	1	100.0	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-
Solano	16	10	62.5	3	18.8	3	18.8	-	-
Sonoma	8	2	25.0	4	50.0	2	25.0	-	-
Stanislaus	6	4	66.7	1	16.7	1	16.7	-	-
Sutter	4	2	50.0	1	25.0	1	25.0	-	-
Tehama	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-
Tulare	11	5	45.5	5	45.5	1	9.1	-	-
Tuolumne	-	-	-	-	-	-	-	-	-
Ventura	28	12	42.9	15	53.6	1	3.6	-	-
Yolo	3	3	100.0	-	-	-	-	-	-
Yuba	2	-	-	1	50.0	1	50.0	-	-

- Indicates zero cases or zero percent

Table 26. Nucleic Acid Amplification Test (NAAT) Results at the Time of Diagnosis: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Total Cases	NAAT Test Done		Positive Test Results	
		No.	%	No.	%
California	2,191	1,021	46.6	854	83.6
Alameda	136	37	27.2	36	97.3
Alpine	-	-	-	-	-
Amador	1	-	-	-	-
Berkeley	6	5	83.3	5	100
Butte	4	1	25	-	-
Calaveras	1	-	-	-	-
Colusa	2	1	50	1	100
Contra Costa	55	40	72.7	27	67.5
Del Norte	-	-	-	-	-
El Dorado	2	2	100	2	100
Fresno	35	30	85.7	30	100
Glenn	3	2	66.7	2	100
Humboldt	5	4	80	2	50
Imperial	30	18	60	16	88.9
Inyo	-	-	-	-	-
Kern	34	1	2.9	-	-
Kings	5	2	40	2	100
Lake	2	-	-	-	-
Lassen	2	2	100	1	50
Long Beach	34	11	32.4	11	100
Los Angeles	625	271	43.4	222	81.9
Madera	10	5	50	5	100
Marin	15	3	20	2	66.7
Mariposa	-	-	-	-	-
Mendocino	2	1	50	-	-
Merced	19	7	36.8	7	100
Modoc	-	-	-	-	-
Mono	-	-	-	-	-
Monterey	18	16	88.9	14	87.5
Napa	3	2	66.7	2	100
Nevada	1	-	-	-	-
Orange	192	131	68.2	105	80.2
Pasadena	11	1	9.1	1	100
Placer	6	2	33.3	2	100
Plumas	-	-	-	-	-
Riverside	56	28	50	28	100
Sacramento	64	24	37.5	21	87.5
San Benito	-	-	-	-	-
San Bernardino	58	32	55.2	31	96.9
San Diego	234	147	62.8	122	83
San Francisco	116	50	43.1	35	70
San Joaquin	44	14	31.8	11	78.6
San Luis Obispo	3	1	33.3	1	100
San Mateo	54	31	57.4	31	100
Santa Barbara	24	20	83.3	14	70
Santa Clara	176	33	18.8	27	81.8
Santa Cruz	7	5	71.4	1	20
Shasta	1	1	100	1	100
Sierra	-	-	-	-	-
Siskiyou	-	-	-	-	-
Solano	17	13	76.5	13	100
Sonoma	14	8	57.1	8	100
Stanislaus	7	-	-	-	-
Sutter	5	4	80	4	100
Tehama	-	-	-	-	-
Trinity	-	-	-	-	-
Tulare	12	11	91.7	7	63.6
Tuolumne	-	-	-	-	-
Ventura	35	-	-	-	-
Yolo	3	3	100	3	100
Yuba	2	1	50	1	100

- Indicates zero cases or zero percent

Table 27. Tuberculosis Cases by Chest X-ray (CXR) Status: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Total		Abnormal CXR, Consistent with TB							
	Pulmonary Cases	CXR Done	Normal CXR		Total Abnormal		Cavitary		Miliary	
			No.	%	No.	%	No.	%	No.	%
California	1,685	1,665	48	2.9	1,617	97.1	352	21.8	43	2.7
Alameda	95	93	3	3.2	90	96.8	16	17.8	4	4.4
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-
Berkeley	5	5	-	-	5	100.0	2	40.0	-	-
Butte	3	3	-	-	3	100.0	1	33.3	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	1	1	-	-	1	100.0	-	-	-	-
Contra Costa	32	31	3	9.7	28	90.3	5	17.9	-	-
Del Norte	-	-	-	-	-	-	-	-	-	-
El Dorado	1	1	-	-	1	100.0	-	-	-	-
Fresno	34	31	2	6.5	29	93.5	6	20.7	-	-
Glenn	3	3	-	-	3	100.0	1	33.3	-	-
Humboldt	1	1	-	-	1	100.0	-	-	-	-
Imperial	27	26	1	3.8	25	96.2	7	28.0	1	4.0
Inyo	-	-	-	-	-	-	-	-	-	-
Kern	26	26	2	7.7	24	92.3	6	25.0	1	4.2
Kings	5	5	-	-	5	100.0	2	40.0	-	-
Lake	2	2	-	-	2	100.0	2	100.0	-	-
Lassen	2	2	-	-	2	100.0	1	50.0	-	-
Long Beach	30	30	1	3.3	29	96.7	4	13.8	-	-
Los Angeles	476	473	11	2.3	462	97.7	108	23.4	12	2.6
Madera	8	8	-	-	8	100.0	3	37.5	-	-
Marin	11	11	-	-	11	100.0	1	9.1	1	9.1
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	1	1	-	-	1	100.0	1	100.0	-	-
Merced	17	17	1	5.9	16	94.1	5	31.3	1	6.3
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	12	12	-	-	12	100.0	2	16.7	2	16.7
Napa	2	2	1	50.0	1	50.0	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	-
Orange	159	158	3	1.9	155	98.1	35	22.6	3	1.9
Pasadena	5	5	1	20.0	4	80.0	1	25.0	-	-
Placer	3	3	-	-	3	100.0	-	-	1	33.3
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	47	47	2	4.3	45	95.7	12	26.7	-	-
Sacramento	54	52	-	-	52	100.0	18	34.6	1	1.9
San Benito	-	-	-	-	-	-	-	-	-	-
San Bernardino	44	44	1	2.3	43	97.7	9	20.9	2	4.7
San Diego	190	190	8	4.2	182	95.8	28	15.4	6	3.3
San Francisco	83	83	1	1.2	82	98.8	17	20.7	1	1.2
San Joaquin	39	39	1	2.6	38	97.4	8	21.1	1	2.6
San Luis Obispo	2	2	-	-	2	100.0	-	-	-	-
San Mateo	38	37	1	2.7	36	97.3	8	22.2	2	5.6
Santa Barbara	17	17	-	-	17	100.0	-	-	1	5.9
Santa Clara	125	121	4	3.3	117	96.7	17	14.5	2	1.7
Santa Cruz	6	6	-	-	6	100.0	1	16.7	-	-
Shasta	1	1	-	-	1	100.0	1	100.0	-	-
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	16	15	-	-	15	100.0	4	26.7	-	-
Sonoma	8	8	1	12.5	7	87.5	1	14.3	1	14.3
Stanislaus	6	6	-	-	6	100.0	4	66.7	-	-
Sutter	4	4	-	-	4	100.0	2	50.0	-	-
Tehama	-	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	11	11	-	-	11	100.0	5	45.5	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	28	27	-	-	27	100.0	6	22.2	-	-
Yolo	3	3	-	-	3	100.0	2	66.7	-	-
Yuba	2	2	-	-	2	100.0	-	-	-	-

- Indicates zero cases or zero percent

**Table 28. Tuberculosis Cases by Chest CT Scan or Other Chest Imaging Study:
Reporting Jurisdictions in California, 2012**

Reporting Jurisdiction	Total	CT	Abnormal CT Scan, Consistent with TB							
	Pulmonary Cases	Scan Done	Normal CT Scan		Total Abnormal		Cavitary		Miliary	
			No.	%	No.	%	No.	%	No.	%
California	1,685	941	7	0.7	934	99.3	385	41.2	48	5.1
Alameda	95	64	1	1.6	63	98.4	29	46.0	4	6.3
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-
Berkeley	5	3	-	-	3	100.0	2	66.7	-	-
Butte	3	3	-	-	3	100.0	2	66.7	1	33.3
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	1	-	-	-	-	-	-	-	-	-
Contra Costa	32	22	-	-	22	100.0	7	31.8	-	-
Del Norte	-	-	-	-	-	-	-	-	-	-
El Dorado	1	1	-	-	1	100.0	1	100.0	-	-
Fresno	34	23	-	-	23	100.0	11	47.8	-	-
Glenn	3	1	-	-	1	100.0	-	-	-	-
Humboldt	1	1	-	-	1	100.0	1	100.0	-	-
Imperial	27	8	1	12.5	7	87.5	4	57.1	-	-
Inyo	-	-	-	-	-	-	-	-	-	-
Kern	26	15	-	-	15	100.0	6	40.0	1	6.7
Kings	5	5	-	-	5	100.0	2	40.0	-	-
Lake	2	1	-	-	1	100.0	1	100.0	-	-
Lassen	2	1	-	-	1	100.0	1	100.0	-	-
Long Beach	30	13	-	-	13	100.0	8	61.5	-	-
Los Angeles	476	244	1	0.4	243	99.6	100	41.2	13	5.3
Madera	8	1	-	-	1	100.0	-	-	-	-
Marin	11	6	-	-	6	100.0	-	-	1	16.7
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	1	-	-	-	-	-	-	-	-	-
Merced	17	5	-	-	5	100.0	3	60.0	-	-
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	12	8	-	-	8	100.0	3	37.5	-	-
Napa	2	2	-	-	2	100.0	2	100.0	-	-
Nevada	-	-	-	-	-	-	-	-	-	-
Orange	159	94	1	1.1	93	98.9	33	35.5	3	3.2
Pasadena	5	1	-	-	1	100.0	1	100.0	-	-
Placer	3	2	-	-	2	100.0	-	-	1	50.0
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	47	38	-	-	38	100.0	23	60.5	1	2.6
Sacramento	54	19	-	-	19	100.0	5	26.3	-	-
San Benito	-	-	-	-	-	-	-	-	-	-
San Bernardino	44	28	-	-	28	100.0	12	42.9	2	7.1
San Diego	190	117	1	0.9	116	99.1	43	37.1	10	8.6
San Francisco	83	47	-	-	47	100.0	15	31.9	1	2.1
San Joaquin	39	24	-	-	24	100.0	14	58.3	3	12.5
San Luis Obispo	2	2	-	-	2	100.0	-	-	-	-
San Mateo	38	29	-	-	29	100.0	15	51.7	3	10.3
Santa Barbara	17	6	-	-	6	100.0	5	83.3	2	33.3
Santa Clara	125	67	2	3.0	65	97.0	19	29.2	2	3.1
Santa Cruz	6	5	-	-	5	100.0	2	40.0	-	-
Shasta	1	1	-	-	1	100.0	1	100.0	-	-
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	16	10	-	-	10	100.0	4	40.0	-	-
Sonoma	8	2	-	-	2	100.0	-	-	-	-
Stanislaus	6	3	-	-	3	100.0	2	66.7	-	-
Sutter	4	4	-	-	4	100.0	2	50.0	-	-
Tehama	-	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	11	5	-	-	5	100.0	2	40.0	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	28	8	-	-	8	100.0	3	37.5	-	-
Yolo	3	1	-	-	1	100.0	1	100.0	-	-
Yuba	2	1	-	-	1	100.0	-	-	-	-

- Indicates zero cases or zero percent

Table 29. Interferon Gamma Release Assay (IGRA) and Tuberculin Skin Test (TST) at Diagnosis: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Total Cases	IGRA				TST			
		Test Done		Positive Result		Test Done		Positive Result	
		No.	%	No.	%	No.	%	No.	%
California	2,191	829	37.8	659	79.5	1,105	50.4	897	81.2
Alameda	136	57	41.9	44	77.2	73	53.7	65	89.0
Alpine	-	-	-	-	-	-	-	-	-
Amador	1	-	-	-	-	-	-	-	-
Berkeley	6	2	33.3	1	50.0	2	33.3	1	50.0
Butte	4	2	50.0	-	-	3	75.0	2	66.7
Calaveras	1	1	100.0	-	-	1	100.0	-	-
Colusa	2	1	50.0	1	100.0	1	50.0	1	100.0
Contra Costa	55	38	69.1	33	86.8	25	45.5	24	96.0
Del Norte	-	-	-	-	-	-	-	-	-
El Dorado	2	-	-	-	-	1	50.0	1	100.0
Fresno	35	16	45.7	10	62.5	11	31.4	8	72.7
Glenn	3	-	-	-	-	1	33.3	-	-
Humboldt	5	4	80.0	3	75.0	3	60.0	3	100.0
Imperial	30	23	76.7	21	91.3	4	13.3	4	100.0
Inyo	-	-	-	-	-	-	-	-	-
Kern	34	12	35.3	10	83.3	26	76.5	18	69.2
Kings	5	2	40.0	1	50.0	4	80.0	1	25.0
Lake	2	1	50.0	-	-	2	100.0	2	100.0
Lassen	2	1	50.0	1	100.0	2	100.0	1	50.0
Long Beach	34	6	17.6	5	83.3	21	61.8	19	90.5
Los Angeles	625	132	21.1	105	79.5	401	64.2	330	82.3
Madera	10	3	30.0	3	100.0	8	80.0	6	75.0
Marin	15	10	66.7	9	90.0	6	40.0	6	100.0
Mariposa	-	-	-	-	-	-	-	-	-
Mendocino	2	1	50.0	1	100.0	-	-	-	-
Merced	19	9	47.4	9	100.0	7	36.8	5	71.4
Modoc	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-
Monterey	18	9	50.0	7	77.8	6	33.3	5	83.3
Napa	3	2	66.7	-	-	-	-	-	-
Nevada	1	-	-	-	-	1	100.0	1	100.0
Orange	192	41	21.4	30	73.2	127	66.1	102	80.3
Pasadena	11	3	27.3	3	100.0	2	18.2	2	100.0
Placer	6	1	16.7	1	100.0	3	50.0	3	100.0
Plumas	-	-	-	-	-	-	-	-	-
Riverside	56	18	32.1	15	83.3	24	42.9	14	58.3
Sacramento	64	33	51.6	25	75.8	15	23.4	13	86.7
San Benito	-	-	-	-	-	-	-	-	-
San Bernardino	58	13	22.4	12	92.3	23	39.7	14	60.9
San Diego	234	108	46.2	85	78.7	81	34.6	68	84.0
San Francisco	116	93	80.2	76	81.7	75	64.7	62	82.7
San Joaquin	44	6	13.6	5	83.3	38	86.4	29	76.3
San Luis Obispo	3	1	33.3	1	100.0	1	33.3	-	-
San Mateo	54	35	64.8	29	82.9	5	9.3	5	100.0
Santa Barbara	24	9	37.5	7	77.8	12	50.0	9	75.0
Santa Clara	176	85	48.3	70	82.4	39	22.2	32	82.1
Santa Cruz	7	7	100.0	6	85.7	4	57.1	4	100.0
Shasta	1	-	-	-	-	1	100.0	1	100.0
Sierra	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-
Solano	17	4	23.5	1	25.0	5	29.4	4	80.0
Sonoma	14	4	28.6	1	25.0	7	50.0	7	100.0
Stanislaus	7	1	14.3	1	100.0	5	71.4	4	80.0
Sutter	5	-	-	-	-	4	80.0	-	-
Tehama	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-
Tulare	12	3	25.0	2	66.7	10	83.3	9	90.0
Tuolumne	-	-	-	-	-	-	-	-	-
Ventura	35	29	82.9	22	75.9	13	37.1	10	76.9
Yolo	3	3	100.0	3	100.0	1	33.3	1	100.0
Yuba	2	-	-	-	-	1	50.0	1	100.0

- Indicates zero cases or zero percent

Table 30. Tuberculosis Cases by Vital Status at Diagnosis and Initiation of Treatment: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Total Cases	Dead at Diagnosis		Alive at Diagnosis		Alive and Started Treatment	
		No.	%	No.	%	No.	%
California	2,191	49	2.2	2,142	97.8	2,119	96.7
Alameda	136	2	1.5	134	98.5	133	97.8
Alpine	-	-	-	-	-	-	-
Amador	1	-	-	1	100.0	1	100.0
Berkeley	6	-	-	6	100.0	6	100.0
Butte	4	-	-	4	100.0	4	100.0
Calaveras	1	-	-	1	100.0	1	100.0
Colusa	2	-	-	2	100.0	2	100.0
Contra Costa	55	-	-	55	100.0	54	98.2
Del Norte	-	-	-	-	-	-	-
El Dorado	2	-	-	2	100.0	2	100.0
Fresno	35	1	2.9	34	97.1	34	97.1
Glenn	3	-	-	3	100.0	3	100.0
Humboldt	5	-	-	5	100.0	5	100.0
Imperial	30	1	3.3	29	96.7	28	93.3
Inyo	-	-	-	-	-	-	-
Kern	34	-	-	34	100.0	34	100.0
Kings	5	-	-	5	100.0	5	100.0
Lake	2	-	-	2	100.0	2	100.0
Lassen	2	-	-	2	100.0	2	100.0
Long Beach	34	-	-	34	100.0	34	100.0
Los Angeles	625	17	2.7	608	97.3	598	95.7
Madera	10	-	-	10	100.0	10	100.0
Marin	15	-	-	15	100.0	14	93.3
Mariposa	-	-	-	-	-	-	-
Mendocino	2	-	-	2	100.0	2	100.0
Merced	19	-	-	19	100.0	19	100.0
Modoc	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-
Monterey	18	-	-	18	100.0	18	100.0
Napa	3	-	-	3	100.0	3	100.0
Nevada	1	-	-	1	100.0	1	100.0
Orange	192	2	1.0	190	99.0	185	96.4
Pasadena	11	1	9.1	10	90.9	10	90.9
Placer	6	-	-	6	100.0	6	100.0
Plumas	-	-	-	-	-	-	-
Riverside	56	1	1.8	55	98.2	54	96.4
Sacramento	64	3	4.7	61	95.3	61	95.3
San Benito	-	-	-	-	-	-	-
San Bernardino	58	6	10.3	52	89.7	51	87.9
San Diego	234	2	0.9	232	99.1	232	99.1
San Francisco	116	4	3.4	112	96.6	112	96.6
San Joaquin	44	-	-	44	100.0	44	100.0
San Luis Obispo	3	1	33.3	2	66.7	2	66.7
San Mateo	54	-	-	54	100.0	54	100.0
Santa Barbara	24	-	-	24	100.0	24	100.0
Santa Clara	176	6	3.4	170	96.6	169	96.0
Santa Cruz	7	-	-	7	100.0	7	100.0
Shasta	1	-	-	1	100.0	1	100.0
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	17	2	11.8	15	88.2	15	88.2
Sonoma	14	-	-	14	100.0	13	92.9
Stanislaus	7	-	-	7	100.0	7	100.0
Sutter	5	-	-	5	100.0	5	100.0
Tehama	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	12	-	-	12	100.0	12	100.0
Tuolumne	-	-	-	-	-	-	-
Ventura	35	-	-	35	100.0	35	100.0
Yolo	3	-	-	3	100.0	3	100.0
Yuba	2	-	-	2	100.0	2	100.0

- Indicates zero cases or zero percent

Table 31. Deaths in Persons with Tuberculosis: Reporting Jurisdictions in California, 2010

Reporting Jurisdiction	Total Cases	Timing of Death							
		Total Deaths		Dead at Diagnosis		Died Before Starting TB Treatment		Died During TB Treatment	
		No.	%	No.	%	No.	%	No.	%
California	2,326	189	8.1	47	2.0	3	0.1	139	6.0
Alameda	178	9	5.1	2	1.1	1	0.6	6	3.4
Alpine	-	-	-	-	-	-	-	-	-
Amador	1	-	-	-	-	-	-	-	-
Berkeley	9	-	-	-	-	-	-	-	-
Butte	2	1	50.0	-	-	-	-	1	50.0
Calaveras	-	-	-	-	-	-	-	-	-
Colusa	3	-	-	-	-	-	-	-	-
Contra Costa	33	3	9.1	1	3.0	-	-	2	6.1
Del Norte	-	-	-	-	-	-	-	-	-
El Dorado	1	-	-	-	-	-	-	-	-
Fresno	54	3	5.6	-	-	-	-	3	5.6
Glenn	1	-	-	-	-	-	-	-	-
Humboldt	1	-	-	-	-	-	-	-	-
Imperial	24	3	12.5	1	4.2	-	-	2	8.3
Inyo	1	-	-	-	-	-	-	-	-
Kern	36	3	8.3	1	2.8	-	-	2	5.6
Kings	4	-	-	-	-	-	-	-	-
Lake	2	-	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-
Long Beach	42	3	7.1	1	2.4	-	-	2	4.8
Los Angeles	675	62	9.2	18	2.7	2	0.3	42	6.2
Madera	3	-	-	-	-	-	-	-	-
Marin	11	2	18.2	-	-	-	-	2	18.2
Mariposa	-	-	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-	-	-
Merced	6	3	50.0	1	16.7	-	-	2	33.3
Modoc	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-
Monterey	21	1	4.8	-	-	-	-	1	4.8
Napa	6	1	16.7	1	16.7	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-
Orange	224	19	8.5	4	1.8	-	-	15	6.7
Pasadena	6	-	-	-	-	-	-	-	-
Placer	3	-	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-
Riverside	74	7	9.5	2	2.7	-	-	5	6.8
Sacramento	64	6	9.4	-	-	-	-	6	9.4
San Benito	1	-	-	-	-	-	-	-	-
San Bernardino	60	6	10.0	2	3.3	-	-	4	6.7
San Diego	222	16	7.2	4	1.8	-	-	12	5.4
San Francisco	98	11	11.2	2	2.0	-	-	9	9.2
San Joaquin	46	8	17.4	1	2.2	-	-	7	15.2
San Luis Obispo	4	-	-	-	-	-	-	-	-
San Mateo	59	1	1.7	-	-	-	-	1	1.7
Santa Barbara	30	2	6.7	-	-	-	-	2	6.7
Santa Clara	193	15	7.8	5	2.6	-	-	10	5.2
Santa Cruz	10	-	-	-	-	-	-	-	-
Shasta	2	-	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-
Solano	20	1	5.0	-	-	-	-	1	5.0
Sonoma	9	-	-	-	-	-	-	-	-
Stanislaus	16	-	-	-	-	-	-	-	-
Sutter	3	-	-	-	-	-	-	-	-
Tehama	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-
Tulare	26	2	7.7	1	3.8	-	-	1	3.8
Tuolumne	-	-	-	-	-	-	-	-	-
Ventura	33	-	-	-	-	-	-	-	-
Yolo	8	1	12.5	-	-	-	-	1	12.5
Yuba	1	-	-	-	-	-	-	-	-

- Indicates zero cases or zero percent

Table 32. Tuberculosis Cases by Initial Drug Regimen: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Cases Alive at Diagnosis	Cases Started on Initial Drug Regimen		Initial Drug Regimen* (%)				
		No.	%	IR	IRZ	IRE	IRZ,E/S	Other
California	2,142	2,119	98.9	0.8	1.3	1.4	90.3	6.2
Alameda	134	133	99.3	-	-	0.8	88.0	11.3
Alpine	-	-	-	-	-	-	-	-
Amador	1	1	100.0	-	-	-	100.0	-
Berkeley	6	6	100.0	-	-	-	100.0	-
Butte	4	4	100.0	25.0	-	-	75.0	-
Calaveras	1	1	100.0	-	-	-	100.0	-
Colusa	2	2	100.0	-	-	-	50.0	50.0
Contra Costa	55	54	98.2	-	-	1.9	92.6	5.6
Del Norte	-	-	-	-	-	-	-	-
El Dorado	2	2	100.0	-	-	-	100.0	-
Fresno	34	34	100.0	-	-	-	100.0	-
Glenn	3	3	100.0	-	33.3	-	66.7	-
Humboldt	5	5	100.0	-	-	-	80.0	20.0
Imperial	29	28	96.6	-	3.6	-	85.7	10.7
Inyo	-	-	-	-	-	-	-	-
Kern	34	34	100.0	-	2.9	-	97.1	-
Kings	5	5	100.0	-	-	-	100.0	-
Lake	2	2	100.0	-	-	-	100.0	-
Lassen	2	2	100.0	-	-	-	100.0	-
Long Beach	34	34	100.0	-	5.9	2.9	88.2	2.9
Los Angeles	608	598	98.4	0.8	2.0	1.2	91.5	4.5
Madera	10	10	100.0	-	-	-	90.0	10.0
Marin	15	14	93.3	-	-	-	85.7	14.3
Mariposa	-	-	-	-	-	-	-	-
Mendocino	2	2	100.0	-	-	-	100.0	-
Merced	19	19	100.0	-	5.3	-	89.5	5.3
Modoc	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-
Monterey	18	18	100.0	-	-	-	88.9	11.1
Napa	3	3	100.0	-	-	-	100.0	-
Nevada	1	1	100.0	-	-	-	100.0	-
Orange	190	185	97.4	0.5	0.5	1.1	89.2	8.6
Pasadena	10	10	100.0	-	-	-	100.0	-
Placer	6	6	100.0	-	-	-	83.3	16.7
Plumas	-	-	-	-	-	-	-	-
Riverside	55	54	98.2	-	3.7	-	94.4	1.9
Sacramento	61	61	100.0	-	-	1.6	95.1	3.3
San Benito	-	-	-	-	-	-	-	-
San Bernardino	52	51	98.1	-	-	2.0	96.1	2.0
San Diego	232	232	100.0	3.0	1.3	4.7	81.5	9.5
San Francisco	112	112	100.0	-	-	0.9	92.9	6.3
San Joaquin	44	44	100.0	-	4.5	4.5	90.9	-
San Luis Obispo	2	2	100.0	-	-	-	100.0	-
San Mateo	54	54	100.0	-	-	-	94.4	5.6
Santa Barbara	24	24	100.0	-	-	4.2	91.7	4.2
Santa Clara	170	169	99.4	1.2	0.6	-	94.1	4.1
Santa Cruz	7	7	100.0	-	-	-	57.1	42.9
Shasta	1	1	100.0	-	-	-	100.0	-
Sierra	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-
Solano	15	15	100.0	-	-	6.7	86.7	6.7
Sonoma	14	13	92.9	-	-	-	92.3	7.7
Stanislaus	7	7	100.0	-	-	-	71.4	28.6
Sutter	5	5	100.0	-	-	-	60.0	40.0
Tehama	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-
Tulare	12	12	100.0	-	-	-	100.0	-
Tuolumne	-	-	-	-	-	-	-	-
Ventura	35	35	100.0	-	2.9	-	85.7	11.4
Yolo	3	3	100.0	-	-	-	100.0	-
Yuba	2	2	100.0	-	-	-	100.0	-

- Indicates zero cases or zero percent

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

Table 33. Tuberculosis Cases by Type of Health Care Provider: Reporting Jurisdictions in California, 2010

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	2,326	2,248	2,212	98.4	1,245	56.3	761	34.4	206	9.3
Alameda	178	172	169	98.3	1	0.6	164	97.0	4	2.4
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	1	1	1	100.0	-	-	1	100.0	-	-
Berkeley	9	9	9	100.0	3	33.3	-	-	6	66.7
Butte	2	2	2	100.0	-	-	-	-	2	100.0
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	3	3	3	100.0	1	33.3	-	-	2	66.7
Contra Costa	33	32	32	100.0	12	37.5	14	43.8	6	18.8
Del Norte	-	-	-	-	-	-	-	-	-	-
El Dorado	1	1	1	100.0	-	-	1	100.0	-	-
Fresno	54	54	54	100.0	44	81.5	6	11.1	4	7.4
Glenn	1	1	1	100.0	1	100.0	-	-	-	-
Humboldt	1	1	1	100.0	-	-	-	-	1	100.0
Imperial	24	21	21	100.0	19	90.5	1	4.8	1	4.8
Inyo	1	1	-	-	-	-	-	-	-	-
Kern	36	35	35	100.0	4	11.4	22	62.9	9	25.7
Kings	4	4	4	100.0	3	75.0	1	25.0	-	-
Lake	2	2	2	100.0	-	-	2	100.0	-	-
Lassen	-	-	-	-	-	-	-	-	-	-
Long Beach	42	41	41	100.0	36	87.8	2	4.9	3	7.3
Los Angeles	675	648	624	96.3	469	75.2	118	18.9	37	5.9
Madera	3	3	3	100.0	3	100.0	-	-	-	-
Marin	11	11	11	100.0	7	63.6	4	36.4	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-	-	-	-
Merced	6	5	5	100.0	-	-	2	40.0	3	60.0
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	21	20	20	100.0	12	60.0	6	30.0	2	10.0
Napa	6	5	5	100.0	-	-	1	20.0	4	80.0
Nevada	-	-	-	-	-	-	-	-	-	-
Orange	224	217	217	100.0	180	82.9	25	11.5	12	5.5
Pasadena	6	6	6	100.0	4	66.7	2	33.3	-	-
Placer	3	3	3	100.0	1	33.3	2	66.7	-	-
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	74	71	71	100.0	41	57.7	15	21.1	15	21.1
Sacramento	64	61	57	93.4	33	57.9	18	31.6	6	10.5
San Benito	1	1	1	100.0	-	-	-	-	1	100.0
San Bernardino	60	57	57	100.0	34	59.6	20	35.1	3	5.3
San Diego	222	218	218	100.0	31	14.2	155	71.1	32	14.7
San Francisco	98	95	94	98.9	83	88.3	9	9.6	2	2.1
San Joaquin	46	45	42	93.3	-	-	42	100.0	-	-
San Luis Obispo	4	4	4	100.0	3	75.0	1	25.0	-	-
San Mateo	59	58	58	100.0	26	44.8	32	55.2	-	-
Santa Barbara	30	30	30	100.0	28	93.3	2	6.7	-	-
Santa Clara	193	185	185	100.0	90	48.6	70	37.8	25	13.5
Santa Cruz	10	10	10	100.0	6	60.0	3	30.0	1	10.0
Shasta	2	2	2	100.0	-	-	-	-	2	100.0
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	20	20	20	100.0	8	40.0	8	40.0	4	20.0
Sonoma	9	9	9	100.0	6	66.7	1	11.1	2	22.2
Stanislaus	16	15	15	100.0	6	40.0	3	20.0	6	40.0
Sutter	3	3	3	100.0	-	-	3	100.0	-	-
Tehama	-	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	26	24	24	100.0	22	91.7	-	-	2	8.3
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	33	33	33	100.0	27	81.8	3	9.1	3	9.1
Yolo	8	8	8	100.0	1	12.5	1	12.5	6	75.0
Yuba	1	1	1	100.0	-	-	1	100.0	-	-

- Indicates zero cases or zero percent

Table 34. Tuberculosis Cases by Type of Therapy Administration: Reporting Jurisdictions in California, 2010

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	2,326	2,248	2,209	98.3	309	14.0	1,118	50.6	782	35.4
Alameda	178	172	170	98.8	63	37.1	72	42.4	35	20.6
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	1	1	1	100.0	1	100.0	-	-	-	-
Berkeley	9	9	9	100.0	1	11.1	-	-	8	88.9
Butte	2	2	2	100.0	-	-	1	50.0	1	50.0
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	3	3	3	100.0	-	-	2	66.7	1	33.3
Contra Costa	33	32	31	96.9	8	25.8	12	38.7	11	35.5
Del Norte	-	-	-	-	-	-	-	-	-	-
El Dorado	1	1	1	100.0	-	-	1	100.0	-	-
Fresno	54	54	54	100.0	4	7.4	25	46.3	25	46.3
Glenn	1	1	1	100.0	-	-	-	-	1	100.0
Humboldt	1	1	1	100.0	1	100.0	-	-	-	-
Imperial	24	21	21	100.0	2	9.5	5	23.8	14	66.7
Inyo	1	1	-	-	-	-	-	-	-	-
Kern	36	35	35	100.0	3	8.6	27	77.1	5	14.3
Kings	4	4	4	100.0	-	-	1	25.0	3	75.0
Lake	2	2	2	100.0	1	50.0	-	-	1	50.0
Lassen	-	-	-	-	-	-	-	-	-	-
Long Beach	42	41	41	100.0	3	7.3	28	68.3	10	24.4
Los Angeles	675	648	623	96.1	87	14.0	437	70.1	99	15.9
Madera	3	3	3	100.0	-	-	-	-	3	100.0
Marin	11	11	11	100.0	2	18.2	1	9.1	8	72.7
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-	-	-	-
Merced	6	5	4	80.0	-	-	1	25.0	3	75.0
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	21	20	20	100.0	-	-	12	60.0	8	40.0
Napa	6	5	5	100.0	-	-	-	-	5	100.0
Nevada	-	-	-	-	-	-	-	-	-	-
Orange	224	217	217	100.0	3	1.4	163	75.1	51	23.5
Pasadena	6	6	6	100.0	1	16.7	-	-	5	83.3
Placer	3	3	2	66.7	1	50.0	-	-	1	50.0
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	74	71	71	100.0	12	16.9	23	32.4	36	50.7
Sacramento	64	61	60	98.4	14	23.3	39	65.0	7	11.7
San Benito	1	1	1	100.0	-	-	-	-	1	100.0
San Bernardino	60	57	57	100.0	12	21.1	8	14.0	37	64.9
San Diego	222	218	218	100.0	3	1.4	60	27.5	155	71.1
San Francisco	98	95	94	98.9	18	19.1	58	61.7	18	19.1
San Joaquin	46	45	42	93.3	5	11.9	6	14.3	31	73.8
San Luis Obispo	4	4	4	100.0	-	-	1	25.0	3	75.0
San Mateo	59	58	58	100.0	8	13.8	27	46.6	23	39.7
Santa Barbara	30	30	30	100.0	2	6.7	21	70.0	7	23.3
Santa Clara	193	185	182	98.4	41	22.5	61	33.5	80	44.0
Santa Cruz	10	10	10	100.0	3	30.0	-	-	7	70.0
Shasta	2	2	2	100.0	1	50.0	-	-	1	50.0
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	20	20	20	100.0	2	10.0	8	40.0	10	50.0
Sonoma	9	9	9	100.0	2	22.2	5	55.6	2	22.2
Stanislaus	16	15	15	100.0	3	20.0	6	40.0	6	40.0
Sutter	3	3	3	100.0	-	-	-	-	3	100.0
Tehama	-	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	26	24	24	100.0	-	-	-	-	24	100.0
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	33	33	33	100.0	1	3.0	2	6.1	30	90.9
Yolo	8	8	8	100.0	1	12.5	5	62.5	2	25.0
Yuba	1	1	1	100.0	-	-	-	-	1	100.0

- Indicates zero cases or zero percent

* SAT=self-administered therapy; DOT=directly observed therapy

Table 35. Tuberculosis Cases by HIV/AIDS Diagnosis (Dx)*: Reporting Jurisdictions in California, 2005-2011

	2005			2006			2007			2008			2009			2010			2011		
	Total Cases	AIDS Dx		Total Cases	AIDS Dx		Total Cases	AIDS Dx		Total Cases	AIDS Dx		Total Cases	AIDS Dx		Total Cases	AIDS Dx		Total Cases	AIDS Dx	
		No.	%		No.	%		No.	%		No.	%		No.	%		No.	%		No.	%
California	2,900	147	5.1	2,778	128	4.6	2,725	139	5.1	2,699	130	4.8	2,466	103	4.2	2,327	101	4.3	2,323	91	3.9
Alameda	154	6	3.9	141	3	2.1	149	14	9.4	134	8	6.0	156	3	1.9	178	11	6.2	132	4	3.0
Contra Costa	58	2	3.4	50	-	-	51	-	-	79	1	1.3	47	2	4.3	33	1	3.0	60	2	3.3
Fresno	69	3	4.3	62	2	3.2	41	1	2.4	75	3	4.0	66	3	4.5	54	1	1.9	46	1	2.2
Imperial	32	1	3.1	33	2	6.1	29	1	3.4	21	1	4.8	36	1	2.8	25	3	12.0	27	3	11.1
Kern	42	4	9.5	41	1	2.4	38	1	2.6	50	2	4.0	41	3	7.3	36	2	5.6	40	2	5.0
Long Beach	53	2	3.8	39	3	7.7	39	2	5.1	47	2	4.3	44	3	6.8	42	2	4.8	29	1	3.4
Los Angeles	904	57	6.3	880	41	4.7	815	58	7.1	790	58	7.3	701	35	5.0	676	35	5.2	680	36	5.3
Marin	10	-	-	6	-	-	16	2	12.5	6	-	-	14	-	-	11	2	18.2	12	-	-
Merced	8	-	-	9	-	-	5	-	-	5	-	-	11	-	-	6	-	-	6	-	-
Monterey	37	1	2.7	29	1	3.4	22	-	-	24	1	4.2	16	-	-	21	-	-	25	-	-
Orange	242	5	2.1	226	9	4.0	217	5	2.3	210	2	1.0	197	6	3.0	225	3	1.3	209	4	1.9
Riverside	60	3	5.0	74	1	1.4	80	2	2.5	79	2	2.5	69	2	2.9	73	-	-	68	5	7.4
Sacramento	142	3	2.1	97	2	2.1	109	3	2.8	110	2	1.8	98	3	3.1	62	3	4.8	75	2	2.7
San Bernardino	63	2	3.2	58	4	6.9	59	4	6.8	74	1	1.4	76	4	5.3	61	3	4.9	53	1	1.9
San Diego	305	29	9.5	315	28	8.9	280	20	7.1	264	23	8.7	223	16	7.2	222	14	6.3	263	17	6.5
San Francisco	132	11	8.3	120	11	9.2	143	12	8.4	118	11	9.3	115	8	7.0	98	4	4.1	108	3	2.8
San Joaquin	63	5	7.9	78	3	3.8	51	4	7.8	66	2	3.0	76	4	5.3	46	5	10.9	44	1	2.3
San Mateo	62	1	1.6	78	2	2.6	89	1	1.1	64	1	1.6	66	1	1.5	59	2	3.4	59	1	1.7
Santa Barbara	26	1	3.8	15	-	-	14	-	-	34	1	2.9	22	-	-	30	1	3.3	21	1	4.8
Santa Clara	199	4	2.0	228	10	4.4	240	4	1.7	197	5	2.5	197	2	1.0	193	4	2.1	181	3	1.7
Santa Cruz	10	-	-	6	-	-	10	-	-	10	-	-	5	-	-	10	1	10.0	10	-	-
Solano	38	-	-	27	-	-	37	-	-	33	-	-	23	3	13.0	20	1	5.0	34	1	2.9
Sonoma	11	1	9.1	14	-	-	13	-	-	9	-	-	9	-	-	9	-	-	13	-	-
Stanislaus	11	-	-	16	-	-	16	2	12.5	20	1	5.0	20	-	-	16	1	6.3	9	-	-
Tulare	15	-	-	21	1	4.8	25	1	4.0	33	1	3.0	24	-	-	26	-	-	20	-	-
Ventura	55	3	5.5	49	1	2.0	57	1	1.8	65	-	-	48	2	4.2	33	2	6.1	35	3	8.6
All Other Jurisdictions**	99	3	3.0	66	3	4.5	80	1	1.3	82	2	2.4	66	2	3.0	62	-	-	64	-	-

- Indicates zero cases or zero percent

* Match found in HIV/AIDS Registry, California Office of AIDS

** Reporting jurisdictions with fewer than 5 cases in any year (2005-2011)

Table 36. HIV Status at Time of Tuberculosis Diagnosis: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Total Cases	HIV Testing Status											
		Positive		Negative		Not Offered		Refused		Test Done, Results		Unk/Missing	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	2,191	87	4.0	1,763	81.2	177	8.1	58	2.7	19	0.9	87	4.0
Alameda	136	7	5.1	92	67.6	13	9.6	11	8.1	-	-	13	9.6
Alpine	-	-	-	-	-	-	-	-	-	-	-	-	-
Amador	1	-	-	-	-	-	-	-	-	-	-	1	100.0
Berkeley	6	-	-	4	66.7	2	33.3	-	-	-	-	-	-
Butte	4	-	-	4	100.0	-	-	-	-	-	-	-	-
Calaveras	1	-	-	1	100.0	-	-	-	-	-	-	-	-
Colusa	2	-	-	-	-	-	-	-	-	-	-	2	100.0
Contra Costa	55	3	5.5	47	85.5	2	3.6	2	3.6	-	-	1	1.8
Del Norte	-	-	-	-	-	-	-	-	-	-	-	-	-
El Dorado	2	-	-	1	50.0	-	-	-	-	-	-	1	50.0
Fresno	35	3	8.8	27	79.4	3	8.8	-	-	1	2.9	1	2.9
Glenn	3	-	-	2	66.7	-	-	1	33.3	-	-	-	-
Humboldt	5	-	-	2	50.0	1	25.0	-	-	1	25.0	1	25.0
Imperial	30	2	6.7	18	60.0	9	30.0	-	-	-	-	1	3.3
Inyo	-	-	-	-	-	-	-	-	-	-	-	-	-
Kern	34	-	-	29	87.9	-	-	4	12.1	1	3.0	-	-
Kings	5	-	-	5	100.0	-	-	-	-	-	-	-	-
Lake	2	-	-	-	-	-	-	2	100.0	-	-	-	-
Lassen	2	-	-	2	100.0	-	-	-	-	-	-	-	-
Long Beach	34	1	2.9	23	67.6	7	20.6	2	5.9	-	-	1	2.9
Los Angeles	625	28	4.5	530	85.3	51	8.2	12	1.9	4	0.6	-	-
Madera	10	-	-	6	66.7	-	-	3	33.3	1	11.1	-	-
Marin	15	-	-	9	60.0	6	40.0	-	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-	-	-	-
Mendocino	2	-	-	1	50.0	1	50.0	-	-	-	-	-	-
Merced	19	-	-	9	52.9	6	35.3	-	-	2	11.8	2	11.8
Modoc	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-	-	-	-
Monterey	18	-	-	13	72.2	4	22.2	1	5.6	-	-	-	-
Napa	3	-	-	2	66.7	-	-	-	-	-	-	1	33.3
Nevada	1	-	-	1	100.0	-	-	-	-	-	-	-	-
Orange	192	1	0.5	174	90.6	11	5.7	4	2.1	-	-	2	1.0
Pasadena	11	-	-	2	18.2	5	45.5	3	27.3	-	-	1	9.1
Placer	6	-	-	2	40.0	-	-	-	-	1	20.0	3	60.0
Plumas	-	-	-	-	-	-	-	-	-	-	-	-	-
Riverside	56	-	-	53	94.6	1	1.8	2	3.6	-	-	-	-
Sacramento	64	3	4.8	46	74.2	5	8.1	-	-	2	3.2	8	12.9
San Benito	-	-	-	-	-	-	-	-	-	-	-	-	-
San Bernardino	58	1	1.8	43	76.8	12	21.4	-	-	2	3.6	-	-
San Diego	234	18	7.8	188	81.0	-	-	3	1.3	2	0.9	23	9.9
San Francisco	116	7	6.0	103	88.8	4	3.4	-	-	-	-	2	1.7
San Joaquin	44	-	-	36	81.8	3	6.8	4	9.1	-	-	1	2.3
San Luis Obispo	3	-	-	2	66.7	-	-	1	33.3	-	-	-	-
San Mateo	54	2	3.7	42	77.8	10	18.5	-	-	-	-	-	-
Santa Barbara	24	1	4.2	22	91.7	1	4.2	-	-	-	-	-	-
Santa Clara	176	5	2.8	151	85.8	5	2.8	1	0.6	-	-	14	8.0
Santa Cruz	7	1	14.3	6	85.7	-	-	-	-	-	-	-	-
Shasta	1	-	-	-	-	1	100.0	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-	-	-	-
Solano	17	-	-	10	58.8	4	23.5	1	5.9	-	-	2	11.8
Sonoma	14	1	7.1	8	57.1	3	21.4	-	-	-	-	2	14.3
Stanislaus	7	1	16.7	4	66.7	-	-	1	16.7	1	16.7	-	-
Sutter	5	2	40.0	1	20.0	1	20.0	-	-	-	-	1	20.0
Tehama	-	-	-	-	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-	-	-	-
Tulare	12	-	-	9	75.0	2	16.7	-	-	-	-	1	8.3
Tuolumne	-	-	-	-	-	-	-	-	-	-	-	-	-
Ventura	35	-	-	31	91.2	3	8.8	-	-	1	2.9	-	-
Yolo	3	-	-	-	-	1	33.3	-	-	-	-	2	66.7
Yuba	2	-	-	2	100.0	-	-	-	-	-	-	-	-

- Indicates zero cases or zero percent

Table 37. Medical Risk Factors for Tuberculosis: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Total Cases	Non-HIV										TNF- α Antagonist Therapy**	
		Diabetes Mellitus		Immunosuppressive Condition		HIV*		End-stage Renal Disease		Post-organ Transplantation		No.	%
		No.	%	No.	%	No.	%	No.	%	No.	%		
California	2,191	512	23.4	127	5.8	87	4.7	85	3.9	14	0.6	19	0.9
Alameda	136	31	22.8	3	2.2	7	7.1	1	0.7	-	-	1	0.7
Berkeley	6	-	-	-	-	-	-	-	-	-	-	-	-
Contra Costa	55	11	20.0	2	3.6	3	6.0	4	7.3	-	-	-	-
Fresno	35	12	34.3	2	5.7	3	10.0	-	-	-	-	-	-
Humboldt	5	1	20.0	1	20.0	-	-	-	-	1	20.0	-	-
Imperial	30	7	23.3	-	-	2	10.0	-	-	-	-	-	-
Kern	34	11	32.4	1	2.9	-	-	2	5.9	1	2.9	-	-
Kings	5	2	40.0	-	-	-	-	-	-	-	-	-	-
Long Beach	34	9	26.5	-	-	1	4.2	3	8.8	-	-	1	2.9
Los Angeles	625	168	26.9	48	7.7	28	5.0	34	5.4	3	0.5	3	0.5
Madera	10	2	20.0	-	-	-	-	-	-	-	-	-	-
Marin	15	1	6.7	-	-	-	-	-	-	-	-	-	-
Merced	19	5	26.3	3	15.8	-	-	-	-	-	-	1	5.3
Monterey	18	3	16.7	1	5.6	-	-	1	5.6	1	5.6	-	-
Orange	192	49	25.5	15	7.8	1	0.6	7	3.6	2	1.0	4	2.1
Pasadena	11	1	9.1	1	9.1	-	-	1	9.1	-	-	-	-
Placer	6	4	66.7	-	-	-	-	-	-	1	16.7	-	-
Riverside	56	17	30.4	-	-	-	-	-	-	-	-	-	-
Sacramento	64	11	17.2	1	1.6	3	6.1	3	4.7	-	-	1	1.6
San Bernardino	58	12	20.7	1	1.7	1	2.3	2	3.4	1	1.7	-	-
San Diego	234	49	20.9	12	5.1	18	8.7	7	3.0	1	0.4	3	1.3
San Francisco	116	17	14.7	9	7.8	7	6.4	9	7.8	1	0.9	-	-
San Joaquin	44	12	27.3	4	9.1	-	-	-	-	-	-	1	2.3
San Mateo	54	10	18.5	3	5.6	2	4.5	2	3.7	-	-	2	3.7
Santa Barbara	24	1	4.2	1	4.2	1	4.3	-	-	-	-	-	-
Santa Clara	176	36	20.5	10	5.7	5	3.2	7	4.0	2	1.1	1	0.6
Santa Cruz	7	-	-	-	-	1	14.3	-	-	-	-	-	-
Solano	17	7	41.2	5	29.4	-	-	-	-	-	-	-	-
Sonoma	14	2	14.3	-	-	1	11.1	-	-	-	-	-	-
Stanislaus	7	1	14.3	2	28.6	1	20.0	-	-	-	-	-	-
Sutter	5	2	40.0	-	-	2	66.7	-	-	-	-	-	-
Tulare	12	3	25.0	-	-	-	-	-	-	-	-	1	8.3
Ventura	35	4	11.4	-	-	-	-	-	-	-	-	-	-
All Other Jurisdictions***	32	11	34.4	2	6.3	-	-	2	6.3	-	-	-	-

- Indicates zero cases or zero percent

* The denominator for HIV percent is the number of cases with HIV testing (n=1,850).

** Tumor necrosis factor-alpha antagonist therapy

*** Reporting jurisdictions with fewer than 5 cases

Table 38. Non-medical Epidemiologic Risk Factors* for Tuberculosis: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Total Cases	Contact to MDR-TB**		Contact to Infectious TB Patient		Missed Contact of TB Case		Incomplete LTBI*** Treatment	
		No.	%	No.	%	No.	%	No.	%
California	2,191	4	0.2	90	4.1	1	0.0	44	2.0
Alameda	136	-	-	7	5.1	1	0.7	1	0.7
Berkeley	6	-	-	-	-	-	-	-	-
Contra Costa	55	-	-	2	3.6	-	-	1	1.8
Fresno	35	-	-	3	8.6	-	-	3	8.6
Humboldt	5	-	-	-	-	-	-	-	-
Imperial	30	-	-	2	6.7	-	-	1	3.3
Kern	34	-	-	3	8.8	-	-	-	-
Kings	5	-	-	-	-	-	-	-	-
Long Beach	34	-	-	1	2.9	-	-	2	5.9
Los Angeles	625	-	-	17	2.7	-	-	8	1.3
Madera	10	-	-	-	-	-	-	-	-
Marin	15	-	-	-	-	-	-	-	-
Merced	19	-	-	3	15.8	-	-	1	5.3
Monterey	18	-	-	1	5.6	-	-	-	-
Orange	192	-	-	4	2.1	-	-	2	1.0
Pasadena	11	-	-	-	-	-	-	1	9.1
Placer	6	-	-	1	16.7	-	-	2	33.3
Riverside	56	-	-	1	1.8	-	-	-	-
Sacramento	64	-	-	2	3.1	-	-	7	10.9
San Bernardino	58	-	-	3	5.2	-	-	-	-
San Diego	234	1	0.4	7	3.0	-	-	3	1.3
San Francisco	116	-	-	8	6.9	-	-	1	0.9
San Joaquin	44	-	-	7	15.9	-	-	3	6.8
San Mateo	54	1	1.9	-	-	-	-	-	-
Santa Barbara	24	-	-	2	8.3	-	-	-	-
Santa Clara	176	1	0.6	6	3.4	-	-	3	1.7
Santa Cruz	7	-	-	-	-	-	-	-	-
Solano	17	1	5.9	3	17.6	-	-	-	-
Sonoma	14	-	-	2	14.3	-	-	1	7.1
Stanislaus	7	-	-	1	14.3	-	-	-	-
Sutter	5	-	-	-	-	-	-	-	-
Tulare	12	-	-	-	-	-	-	2	16.7
Ventura	35	-	-	2	5.7	-	-	-	-
All Other Jurisdictions†	32	-	-	2	6.3	-	-	2	6.3

-Indicates zero cases or zero percent

* See Technical Notes for definition of these risk factors.

** Multidrug-resistant tuberculosis

*** Latent tuberculosis infection

† Reporting jurisdictions with fewer than 5 cases

Table 39. Tuberculosis Cases Among Residents of Correctional Facilities*: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Total Cases	Cases with Information on Residence in a Correctional Facility		Total Cases Diagnosed in Correctional Facility		Type of Correctional Facility										In Immigration and Customs Enforcement (ICE) Custody**	
		No.	%	No.	%	Federal Prison		State Prison		Local Jail		Juvenile Facility		Other Facility		No.	%
						No.	%	No.	%	No.	%	No.	%	No.	%		
California	2,191	2,182	99.6	58	2.7	24	41.4	4	6.9	29	50.0	-	-	1	1.7	16	27.6
Alameda	136	136	100.0	2	1.5	-	-	-	-	2	100.0	-	-	-	-	-	-
Berkeley	6	6	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contra Costa	55	55	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fresno	35	35	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Humboldt	5	5	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Imperial	30	30	100.0	2	6.7	1	50.0	-	-	1	50.0	-	-	-	-	1	50.0
Kern	34	34	100.0	2	5.9	1	50.0	1	50.0	-	-	-	-	-	-	-	-
Kings	5	5	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Beach	34	34	100.0	2	5.9	-	-	-	-	2	100.0	-	-	-	-	-	-
Los Angeles	625	625	100.0	10	1.6	-	-	1	10.0	9	90.0	-	-	-	-	2	20.0
Madera	10	10	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Marin	15	15	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Merced	19	19	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monterey	18	18	100.0	1	5.6	-	-	1	100.0	-	-	-	-	-	-	-	-
Orange	192	191	99.5	4	2.1	-	-	-	-	4	100.0	-	-	-	-	2	50.0
Pasadena	11	11	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placer	6	6	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Riverside	56	56	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sacramento	64	61	95.3	3	4.9	-	-	-	-	3	100.0	-	-	-	-	1	33.3
San Bernardino	58	58	100.0	3	5.2	2	66.7	-	-	1	33.3	-	-	-	-	1	33.3
San Diego	234	234	100.0	22	9.4	18	81.8	-	-	3	13.6	-	-	1	4.5	8	36.4
San Francisco	116	116	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Joaquin	44	44	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Mateo	54	54	100.0	1	1.9	-	-	-	-	1	100.0	-	-	-	-	-	-
Santa Barbara	24	24	100.0	1	4.2	1	100.0	-	-	-	-	-	-	-	-	-	-
Santa Clara	176	174	98.9	2	1.1	-	-	-	-	2	100.0	-	-	-	-	-	-
Santa Cruz	7	7	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solano	17	17	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sonoma	14	11	78.6	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stanislaus	7	7	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sutter	5	5	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tulare	12	12	100.0	1	8.3	-	-	-	-	1	100.0	-	-	-	-	-	-
Ventura	35	35	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
All Other Jurisdictions***	32	32	100.0	2	6.3	1	50.0	1	50.0	-	-	-	-	-	-	1	50.0

- Indicates zero cases or zero percent

* Residence in correctional facility at the time of diagnosis

** Patient was under the custody of ICE at the time of diagnosis in a correctional facility. Persons in ICE custody can be housed in standalone ICE detention centers or other correction facilities (e.g., federal or state prison, local jail) when a standalone ICE detention center is not available.

*** Reporting jurisdictions with fewer than 5 cases

Table 40. Tuberculosis Cases by Homeless Status*: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Total Cases	Cases with Information on Homeless Status		Cases with Homeless Status	
		No.	%	No.	%
California	2,191	2,175	99.3	129	5.9
Alameda	136	135	99.3	3	2.2
Berkeley	6	6	100.0	-	-
Contra Costa	55	55	100.0	1	1.8
Fresno	35	35	100.0	5	14.3
Humboldt	5	5	100.0	-	-
Imperial	30	30	100.0	3	10.0
Kern	34	33	97.1	-	-
Kings	5	5	100.0	1	20.0
Long Beach	34	34	100.0	2	5.9
Los Angeles	625	622	99.5	39	6.3
Madera	10	10	100.0	-	-
Marin	15	15	100.0	2	13.3
Merced	19	19	100.0	1	5.3
Monterey	18	18	100.0	-	-
Orange	192	191	99.5	4	2.1
Pasadena	11	11	100.0	1	9.1
Placer	6	6	100.0	-	-
Riverside	56	56	100.0	1	1.8
Sacramento	64	62	96.9	5	8.1
San Bernardino	58	58	100.0	2	3.4
San Diego	234	234	100.0	28	12.0
San Francisco	116	115	99.1	9	7.8
San Joaquin	44	43	97.7	3	7.0
San Mateo	54	54	100.0	2	3.7
Santa Barbara	24	24	100.0	1	4.2
Santa Clara	176	174	98.9	4	2.3
Santa Cruz	7	7	100.0	1	14.3
Solano	17	17	100.0	3	17.6
Sonoma	14	10	71.4	1	10.0
Stanislaus	7	7	100.0	-	-
Sutter	5	5	100.0	-	-
Tulare	12	12	100.0	1	8.3
Ventura	35	35	100.0	2	5.7
All Other Jurisdictions**	32	32	100.0	4	12.5

- Indicates zero cases or zero percent

* Homeless within past 12 months

** Reporting jurisdictions with fewer than five cases

Table 41. Tuberculosis Cases Among Persons in Long-term Care Facilities*: Reporting Jurisdictions in California, 2012

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	2,191	2,184	99.7	48	2.2
Alameda	136	136	100.0	4	2.9
Berkeley	6	6	100.0	1	16.7
Contra Costa	55	55	100.0	-	-
Fresno	35	35	100.0	2	5.7
Humboldt	5	5	100.0	-	-
Imperial	30	30	100.0	-	-
Kern	34	34	100.0	-	-
Kings	5	5	100.0	-	-
Long Beach	34	34	100.0	1	2.9
Los Angeles	625	625	100.0	17	2.7
Madera	10	10	100.0	-	-
Marin	15	15	100.0	1	6.7
Merced	19	19	100.0	-	-
Monterey	18	18	100.0	-	-
Orange	192	191	99.5	5	2.6
Pasadena	11	11	100.0	-	-
Placer	6	6	100.0	-	-
Riverside	56	56	100.0	-	-
Sacramento	64	62	96.9	1	1.6
San Bernardino	58	58	100.0	4	6.9
San Diego	234	234	100.0	-	-
San Francisco	116	116	100.0	4	3.4
San Joaquin	44	44	100.0	1	2.3
San Mateo	54	54	100.0	1	1.9
Santa Barbara	24	24	100.0	1	4.2
Santa Clara	176	174	98.9	4	2.3
Santa Cruz	7	7	100.0	-	-
Solano	17	17	100.0	-	-
Sonoma	14	12	85.7	-	-
Stanislaus	7	7	100.0	-	-
Sutter	5	5	100.0	-	-
Tulare	12	12	100.0	-	-
Ventura	35	35	100.0	-	-
All Other Jurisdictions**	32	32	100.0	1	3.1

- Indicates zero cases or zero percent

* Residence in long-term care facility at time of diagnosis

** Reporting jurisdictions with fewer than 5 cases

Table 42. Tuberculosis Cases Among Persons Using Injecting Drugs*: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Total Cases	Cases with Information on Injecting Drug Use		Cases with Injecting Drug Use	
		No.	%	No.	%
California	2,191	2,154	98.3	43	2.0
Alameda	136	135	99.3	2	1.5
Berkeley	6	6	100.0	-	-
Contra Costa	55	55	100.0	-	-
Fresno	35	35	100.0	1	2.9
Humboldt	5	3	60.0	-	-
Imperial	30	29	96.7	2	6.9
Kern	34	34	100.0	-	-
Kings	5	5	100.0	-	-
Long Beach	34	33	97.1	2	6.1
Los Angeles	625	616	98.6	10	1.6
Madera	10	10	100.0	-	-
Marin	15	15	100.0	-	-
Merced	19	19	100.0	-	-
Monterey	18	18	100.0	-	-
Orange	192	191	99.5	1	0.5
Pasadena	11	11	100.0	-	-
Placer	6	6	100.0	-	-
Riverside	56	56	100.0	-	-
Sacramento	64	55	85.9	2	3.6
San Bernardino	58	58	100.0	2	3.4
San Diego	234	234	100.0	8	3.4
San Francisco	116	114	98.3	3	2.6
San Joaquin	44	43	97.7	2	4.7
San Mateo	54	54	100.0	-	-
Santa Barbara	24	24	100.0	-	-
Santa Clara	176	173	98.3	4	2.3
Santa Cruz	7	7	100.0	-	-
Solano	17	17	100.0	1	5.9
Sonoma	14	9	64.3	1	11.1
Stanislaus	7	7	100.0	-	-
Sutter	5	5	100.0	-	-
Tulare	12	12	100.0	-	-
Ventura	35	35	100.0	-	-
All Other Jurisdictions**	32	30	93.8	2	6.7

- Indicates zero cases or zero percent

* Injecting drug use within past 12 months

** Reporting jurisdictions with fewer than 5 cases

Table 43. Tuberculosis Cases Among Persons Using Non-injecting Drugs*: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Total Cases	Cases with Information on Non-injecting Drug Use		Cases with Non-injecting Drug Use	
		No.	%	No.	%
California	2,191	2,150	98.1	117	5.4
Alameda	136	136	100.0	4	2.9
Berkeley	6	6	100.0	-	-
Contra Costa	55	55	100.0	3	5.5
Fresno	35	35	100.0	4	11.4
Humboldt	5	2	40.0	-	-
Imperial	30	29	96.7	2	6.9
Kern	34	34	100.0	1	2.9
Kings	5	5	100.0	-	-
Long Beach	34	33	97.1	4	12.1
Los Angeles	625	615	98.4	30	4.9
Madera	10	10	100.0	1	10.0
Marin	15	15	100.0	2	13.3
Merced	19	19	100.0	-	-
Monterey	18	18	100.0	-	-
Orange	192	191	99.5	6	3.1
Pasadena	11	11	100.0	-	-
Placer	6	6	100.0	-	-
Riverside	56	56	100.0	1	1.8
Sacramento	64	56	87.5	3	5.4
San Bernardino	58	58	100.0	3	5.2
San Diego	234	234	100.0	27	11.5
San Francisco	116	115	99.1	8	7.0
San Joaquin	44	43	97.7	3	7.0
San Mateo	54	54	100.0	2	3.7
Santa Barbara	24	24	100.0	1	4.2
Santa Clara	176	173	98.3	7	4.0
Santa Cruz	7	7	100.0	-	-
Solano	17	16	94.1	2	12.5
Sonoma	14	8	57.1	-	-
Stanislaus	7	7	100.0	-	-
Sutter	5	5	100.0	-	-
Tulare	12	12	100.0	1	8.3
Ventura	35	35	100.0	1	2.9
All Other Jurisdictions**	32	27	84.4	1	3.7

- Indicates zero cases or zero percent

* Non-injecting drug use within past 12 months

** Reporting jurisdictions with fewer than 5 cases

Table 44. Tuberculosis Cases Among Persons Using Excess Alcohol*: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Total Cases	Cases with Information on Excess Alcohol Use		Cases with Excess Alcohol Use**	
		No.	%	No.	%
California	2,191	2,151	98.2	200	9.3
Alameda	136	136	100.0	5	3.7
Berkeley	6	6	100.0	-	-
Contra Costa	55	55	100.0	2	3.6
Fresno	35	35	100.0	6	17.1
Humboldt	5	2	40.0	-	-
Imperial	30	29	96.7	1	3.4
Kern	34	34	100.0	1	2.9
Kings	5	5	100.0	2	40.0
Long Beach	34	33	97.1	4	12.1
Los Angeles	625	616	98.6	63	10.2
Madera	10	10	100.0	-	-
Marin	15	15	100.0	2	13.3
Merced	19	19	100.0	2	10.5
Monterey	18	18	100.0	1	5.6
Orange	192	191	99.5	10	5.2
Pasadena	11	11	100.0	-	-
Placer	6	6	100.0	-	-
Riverside	56	56	100.0	2	3.6
Sacramento	64	54	84.4	2	3.7
San Bernardino	58	58	100.0	2	3.4
San Diego	234	234	100.0	32	13.7
San Francisco	116	116	100.0	16	13.8
San Joaquin	44	43	97.7	7	16.3
San Mateo	54	54	100.0	4	7.4
Santa Barbara	24	24	100.0	6	25.0
Santa Clara	176	172	97.7	13	7.6
Santa Cruz	7	7	100.0	2	28.6
Solano	17	16	94.1	1	6.3
Sonoma	14	8	57.1	1	-
Stanislaus	7	7	100.0	4	57.1
Sutter	5	5	100.0	1	20.0
Tulare	12	12	100.0	1	8.3
Ventura	35	35	100.0	2	5.7
All Other Jurisdictions***	32	29	90.6	5	17.2

- Indicates zero cases or zero percent

* Excess alcohol use within the past 12 months

** Percentage not reported when information is available for less than 75 percent of cases

*** Reporting jurisdictions with fewer than 5 cases

Table 45. Tuberculosis Cases by Occupation, Age ≥ 15: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Cases Age ≥ 15	Occupation*																			
		Cases with Information on Occupation**		Health Care Worker				Correctional Facility Employee				Migrant Agricultural Worker		Other Occupation		Retired***		Unemployed***		Not Seeking Employment***	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	2,102	2,068	98.4	87	4.2	2	0.1	50	2.4	690	33.4	427	20.6	494	23.9	318	15.4				
Alameda	130	129	99.2	6	4.7	-	-	-	-	51	39.5	1	0.8	22	17.1	49	38.0				
Berkeley	6	6	100.0	1	16.7	-	-	-	-	1	16.7	1	16.7	-	-	3	50.0				
Contra Costa	55	55	100.0	5	9.1	-	-	-	-	24	43.6	14	25.5	5	9.1	7	12.7				
Fresno	35	35	100.0	1	2.9	-	-	4	11.4	5	14.3	2	5.7	3	8.6	20	57.1				
Humboldt	4	4	100.0	-	-	-	-	1	25.0	-	-	1	25.0	-	-	2	50.0				
Imperial	27	27	100.0	-	-	-	-	1	3.7	8	29.6	6	22.2	10	37.0	2	7.4				
Kern	31	31	100.0	-	-	-	-	3	9.7	9	29.0	8	25.8	7	22.6	4	12.9				
Kings	5	5	100.0	-	-	-	-	1	20.0	1	20.0	1	20.0	-	-	2	40.0				
Long Beach	31	31	100.0	-	-	-	-	-	-	8	25.8	4	12.9	3	9.7	16	51.6				
Los Angeles	612	603	98.5	18	3.0	1	0.2	2	0.3	211	35.0	165	27.4	162	26.9	44	7.3				
Madera	9	9	100.0	1	11.1	-	-	4	44.4	-	-	-	-	2	22.2	2	22.2				
Marin	13	13	100.0	-	-	-	-	1	7.7	4	30.8	6	46.2	1	7.7	1	7.7				
Merced	17	17	100.0	1	5.9	-	-	3	17.6	5	29.4	3	17.6	-	-	5	29.4				
Monterey	14	14	100.0	-	-	-	-	5	35.7	2	14.3	2	14.3	1	7.1	4	28.6				
Orange	186	186	100.0	14	7.5	-	-	-	-	70	37.6	44	23.7	33	17.7	25	13.4				
Pasadena	11	11	100.0	1	9.1	-	-	-	-	4	36.4	6	54.5	-	-	-	-				
Placer	6	6	100.0	-	-	-	-	-	-	1	16.7	1	16.7	4	66.7	-	-				
Riverside	55	55	100.0	1	1.8	-	-	-	-	12	21.8	10	18.2	26	47.3	6	10.9				
Sacramento	62	52	83.9	3	5.8	-	-	-	-	15	28.8	9	17.3	19	36.5	6	11.5				
San Bernardino	55	55	100.0	2	3.6	-	-	-	-	14	25.5	8	14.5	18	32.7	13	23.6				
San Diego	223	221	99.1	9	4.1	-	-	-	-	73	33.0	35	15.8	63	28.5	41	18.6				
San Francisco	114	112	98.2	1	0.9	-	-	-	-	39	34.8	30	26.8	41	36.6	1	0.9				
San Joaquin	39	38	97.4	4	10.5	-	-	3	7.9	5	13.2	13	34.2	8	21.1	5	13.2				
San Mateo	54	54	100.0	4	7.4	-	-	-	-	21	38.9	6	11.1	6	11.1	17	31.5				
Santa Barbara	21	21	100.0	-	-	-	-	5	23.8	5	23.8	3	14.3	4	19.0	4	19.0				
Santa Clara	170	166	97.6	12	7.2	1	0.6	2	1.2	68	41.0	24	14.5	42	25.3	17	10.2				
Santa Cruz	7	7	100.0	-	-	-	-	2	28.6	4	57.1	-	-	-	-	1	14.3				
Solano	17	17	100.0	-	-	-	-	-	-	6	35.3	4	23.5	5	29.4	2	11.8				
Sonoma	11	7	63.6	-	-	-	-	-	-	1	-	1	-	4	-	1	-				
Stanislaus	7	7	100.0	1	14.3	-	-	2	28.6	1	14.3	-	-	-	-	3	42.9				
Sutter	5	5	100.0	-	-	-	-	-	-	1	20.0	3	60.0	-	-	1	20.0				
Tulare	11	11	100.0	-	-	-	-	1	9.1	5	45.5	2	18.2	-	-	3	27.3				
Ventura	29	29	100.0	1	3.4	-	-	8	27.6	7	24.1	6	20.7	1	3.4	6	20.7				
All Other Jurisdictions†	30	29	96.7	1	3.4	-	-	2	6.9	9	31.0	8	27.6	4	13.8	5	17.2				

* Primary occupation within past 12 months

** Percentage not reported when information is available for less than 75 percent of cases

*** Retired=person who was retired during the 12 months before the TB diagnostic evaluation; unemployed=person not employed during the 12 months before the diagnosis evaluation; not seeking employment=student, homemaker, person receiving permanent disability benefits, or person who was institutionalized

† Reporting jurisdictions with fewer than 5 total cases

Table 46. Tuberculosis Cases by Initial Drug Susceptibility Testing: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Total Cases	Total Culture Positive Cases	Cases with Initial Drug Susceptibility Testing	
			No.	%
California	2,191	1,738	1,690	97.2
Alameda	136	99	93	93.9
Alpine	-	-	-	-
Amador	1	1	1	100.0
Berkeley	6	6	5	83.3
Butte	4	2	2	100.0
Calaveras	1	-	-	-
Colusa	2	1	1	100.0
Contra Costa	55	45	45	100.0
Del Norte	-	-	-	-
El Dorado	2	2	2	100.0
Fresno	35	30	30	100.0
Glenn	3	2	2	100.0
Humboldt	5	1	1	100.0
Imperial	30	28	27	96.4
Inyo	-	-	-	-
Kern	34	26	20	76.9
Kings	5	4	4	100.0
Lake	2	-	-	-
Lassen	2	1	-	-
Long Beach	34	26	25	96.2
Los Angeles	625	509	504	99.0
Madera	10	3	3	100.0
Marin	15	9	9	100.0
Mariposa	-	-	-	-
Mendocino	2	-	-	-
Merced	19	16	14	87.5
Modoc	-	-	-	-
Mono	-	-	-	-
Monterey	18	14	14	100.0
Napa	3	2	2	100.0
Nevada	1	-	-	-
Orange	192	177	176	99.4
Pasadena	11	10	10	100.0
Placer	6	3	3	100.0
Plumas	-	-	-	-
Riverside	56	52	51	98.1
Sacramento	64	44	31	70.5
San Benito	-	-	-	-
San Bernardino	58	52	50	96.2
San Diego	234	184	183	99.5
San Francisco	116	84	84	100.0
San Joaquin	44	35	35	100.0
San Luis Obispo	3	3	3	100.0
San Mateo	54	40	40	100.0
Santa Barbara	24	21	21	100.0
Santa Clara	176	134	131	97.8
Santa Cruz	7	2	2	100.0
Shasta	1	1	1	100.0
Sierra	-	-	-	-
Siskiyou	-	-	-	-
Solano	17	13	11	84.6
Sonoma	14	8	8	100.0
Stanislaus	7	6	4	66.7
Sutter	5	4	4	100.0
Tehama	-	-	-	-
Trinity	-	-	-	-
Tulare	12	7	7	100.0
Tuolumne	-	-	-	-
Ventura	35	27	27	100.0
Yolo	3	3	3	100.0
Yuba	2	1	1	100.0

- Indicates zero cases or zero percent

Table 47. Tuberculosis Cases by Resistance to Isoniazid and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2012

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	
			No.	%		No.	%		No.	%
California	1,738	1,679	168	10.0	1,593	153	9.6	83	15	18.1
Alameda	99	93	11	11.8	85	8	9.4	8	3	37.5
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	1	1	-	-	1	-	-	-	-	-
Berkeley	6	5	-	-	5	-	-	-	-	-
Butte	2	2	-	-	2	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	1	1	-	-	1	-	-	-	-	-
Contra Costa	45	45	3	6.7	41	2	4.9	4	1	25.0
Del Norte	-	-	-	-	-	-	-	-	-	-
El Dorado	2	2	-	-	2	-	-	-	-	-
Fresno	30	30	3	10.0	29	3	10.3	1	-	-
Glenn	2	2	-	-	2	-	-	-	-	-
Humboldt	1	1	-	-	1	-	-	-	-	-
Imperial	28	26	3	11.5	25	3	12.0	1	-	-
Inyo	-	-	-	-	-	-	-	-	-	-
Kern	26	20	1	5.0	19	1	5.3	1	-	-
Kings	4	4	-	-	4	-	-	-	-	-
Lake	-	-	-	-	-	-	-	-	-	-
Lassen	1	-	-	-	-	-	-	-	-	-
Long Beach	26	25	1	4.0	25	1	4.0	-	-	-
Los Angeles	509	502	35	7.0	481	33	6.9	21	2	9.5
Madera	3	3	-	-	3	-	-	-	-	-
Marin	9	9	-	-	9	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-	-	-	-
Merced	16	14	1	7.1	14	1	7.1	-	-	-
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	14	14	2	14.3	14	2	14.3	-	-	-
Napa	2	2	1	50.0	2	1	50.0	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	-
Orange	177	176	25	14.2	163	23	14.1	13	2	15.4
Pasadena	10	9	1	11.1	9	1	11.1	-	-	-
Placer	3	3	-	-	2	-	-	1	-	-
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	52	51	4	7.8	48	4	8.3	3	-	-
Sacramento	44	28	2	7.1	27	2	7.4	1	-	-
San Benito	-	-	-	-	-	-	-	-	-	-
San Bernardino	52	50	8	16.0	48	8	16.7	2	-	-
San Diego	184	183	18	9.8	175	16	9.1	8	2	25.0
San Francisco	84	84	16	19.0	74	11	14.9	10	5	50.0
San Joaquin	35	35	3	8.6	35	3	8.6	-	-	-
San Luis Obispo	3	3	-	-	3	-	-	-	-	-
San Mateo	40	40	2	5.0	39	2	5.1	1	-	-
Santa Barbara	21	20	1	5.0	20	1	5.0	-	-	-
Santa Clara	134	129	19	14.7	119	19	16.0	7	-	-
Santa Cruz	2	2	1	50.0	2	1	50.0	-	-	-
Shasta	1	1	-	-	1	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	13	10	2	20.0	10	2	20.0	-	-	-
Sonoma	8	8	-	-	8	-	-	-	-	-
Stanislaus	6	4	-	-	4	-	-	-	-	-
Sutter	4	4	2	50.0	4	2	50.0	-	-	-
Tehama	-	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	7	7	-	-	7	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	27	27	2	7.4	26	2	7.7	1	-	-
Yolo	3	3	1	33.3	3	1	33.3	-	-	-
Yuba	1	1	-	-	1	-	-	-	-	-

- Indicates zero cases or zero percent

* 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

Table 48. Tuberculosis Cases by Resistance to Rifampin and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2012

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	1,738	1,680	15	0.9	1,594	13	0.8	83	2	2.4	
Alameda	99	93	1	1.1	85	1	1.2	8	-	-	
Alpine	-	-	-	-	-	-	-	-	-	-	
Amador	1	1	-	-	1	-	-	-	-	-	
Berkeley	6	5	-	-	5	-	-	-	-	-	
Butte	2	2	-	-	2	-	-	-	-	-	
Calaveras	-	-	-	-	-	-	-	-	-	-	
Colusa	1	1	-	-	1	-	-	-	-	-	
Contra Costa	45	45	-	-	41	-	-	4	-	-	
Del Norte	-	-	-	-	-	-	-	-	-	-	
El Dorado	2	2	-	-	2	-	-	-	-	-	
Fresno	30	29	-	-	28	-	-	1	-	-	
Glenn	2	2	-	-	2	-	-	-	-	-	
Humboldt	1	1	-	-	1	-	-	-	-	-	
Imperial	28	26	-	-	25	-	-	1	-	-	
Inyo	-	-	-	-	-	-	-	-	-	-	
Kern	26	20	-	-	19	-	-	1	-	-	
Kings	4	4	-	-	4	-	-	-	-	-	
Lake	-	-	-	-	-	-	-	-	-	-	
Lassen	1	-	-	-	-	-	-	-	-	-	
Long Beach	26	25	-	-	25	-	-	-	-	-	
Los Angeles	509	503	6	1.2	482	5	1.0	21	1	4.8	
Madera	3	3	-	-	3	-	-	-	-	-	
Marin	9	9	-	-	9	-	-	-	-	-	
Mariposa	-	-	-	-	-	-	-	-	-	-	
Mendocino	-	-	-	-	-	-	-	-	-	-	
Merced	16	14	-	-	14	-	-	-	-	-	
Modoc	-	-	-	-	-	-	-	-	-	-	
Mono	-	-	-	-	-	-	-	-	-	-	
Monterey	14	14	-	-	14	-	-	-	-	-	
Napa	2	2	-	-	2	-	-	-	-	-	
Nevada	-	-	-	-	-	-	-	-	-	-	
Orange	177	176	1	0.6	163	1	0.6	13	-	-	
Pasadena	10	9	-	-	9	-	-	-	-	-	
Placer	3	3	-	-	2	-	-	1	-	-	
Plumas	-	-	-	-	-	-	-	-	-	-	
Riverside	52	51	-	-	48	-	-	3	-	-	
Sacramento	44	30	-	-	29	-	-	1	-	-	
San Benito	-	-	-	-	-	-	-	-	-	-	
San Bernardino	52	50	1	2.0	48	1	2.1	2	-	-	
San Diego	184	183	2	1.1	175	1	0.6	8	1	12.5	
San Francisco	84	84	1	1.2	74	1	1.4	10	-	-	
San Joaquin	35	35	-	-	35	-	-	-	-	-	
San Luis Obispo	3	3	-	-	3	-	-	-	-	-	
San Mateo	40	40	-	-	39	-	-	1	-	-	
Santa Barbara	21	20	-	-	20	-	-	-	-	-	
Santa Clara	134	128	3	2.3	118	3	2.5	7	-	-	
Santa Cruz	2	2	-	-	2	-	-	-	-	-	
Shasta	1	1	-	-	1	-	-	-	-	-	
Sierra	-	-	-	-	-	-	-	-	-	-	
Siskiyou	-	-	-	-	-	-	-	-	-	-	
Solano	13	10	-	-	10	-	-	-	-	-	
Sonoma	8	8	-	-	8	-	-	-	-	-	
Stanislaus	6	4	-	-	4	-	-	-	-	-	
Sutter	4	4	-	-	4	-	-	-	-	-	
Tehama	-	-	-	-	-	-	-	-	-	-	
Trinity	-	-	-	-	-	-	-	-	-	-	
Tulare	7	7	-	-	7	-	-	-	-	-	
Tuolumne	-	-	-	-	-	-	-	-	-	-	
Ventura	27	27	-	-	26	-	-	1	-	-	
Yolo	3	3	-	-	3	-	-	-	-	-	
Yuba	1	1	-	-	1	-	-	-	-	-	

- Indicates zero cases or zero percent

* 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

Table 49. Tuberculosis Cases by Resistance to Ethambutol and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2012

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	1,738	1,656	15	0.9	1,570	14	0.9	83	1	1.2
Alameda	99	93	1	1.1	85	1	1.2	8	-	-
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	1	1	-	-	1	-	-	-	-	-
Berkeley	6	5	-	-	5	-	-	-	-	-
Butte	2	2	-	-	2	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	1	1	-	-	1	-	-	-	-	-
Contra Costa	45	44	-	-	40	-	-	4	-	-
Del Norte	-	-	-	-	-	-	-	-	-	-
El Dorado	2	2	-	-	2	-	-	-	-	-
Fresno	30	30	-	-	29	-	-	1	-	-
Glenn	2	2	-	-	2	-	-	-	-	-
Humboldt	1	1	-	-	1	-	-	-	-	-
Imperial	28	25	-	-	24	-	-	1	-	-
Inyo	-	-	-	-	-	-	-	-	-	-
Kern	26	20	-	-	19	-	-	1	-	-
Kings	4	4	-	-	4	-	-	-	-	-
Lake	-	-	-	-	-	-	-	-	-	-
Lassen	1	-	-	-	-	-	-	-	-	-
Long Beach	26	25	-	-	25	-	-	-	-	-
Los Angeles	509	503	6	1.2	482	6	1.2	21	-	-
Madera	3	3	-	-	3	-	-	-	-	-
Marin	9	9	-	-	9	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-	-	-	-
Merced	16	14	-	-	14	-	-	-	-	-
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	14	14	-	-	14	-	-	-	-	-
Napa	2	2	-	-	2	-	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	-
Orange	177	175	1	0.6	162	1	0.6	13	-	-
Pasadena	10	8	-	-	8	-	-	-	-	-
Placer	3	3	-	-	2	-	-	1	-	-
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	52	51	-	-	48	-	-	3	-	-
Sacramento	44	30	-	-	29	-	-	1	-	-
San Benito	-	-	-	-	-	-	-	-	-	-
San Bernardino	52	50	1	2.0	48	1	2.1	2	-	-
San Diego	184	182	1	0.5	174	-	-	8	1	12.5
San Francisco	84	67	1	1.5	57	1	1.8	10	-	-
San Joaquin	35	35	-	-	35	-	-	-	-	-
San Luis Obispo	3	2	-	-	2	-	-	-	-	-
San Mateo	40	40	-	-	39	-	-	1	-	-
Santa Barbara	21	20	-	-	20	-	-	-	-	-
Santa Clara	134	127	4	3.1	117	4	3.4	7	-	-
Santa Cruz	2	2	-	-	2	-	-	-	-	-
Shasta	1	1	-	-	1	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	13	9	-	-	9	-	-	-	-	-
Sonoma	8	8	-	-	8	-	-	-	-	-
Stanislaus	6	4	-	-	4	-	-	-	-	-
Sutter	4	4	-	-	4	-	-	-	-	-
Tehama	-	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	7	7	-	-	7	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	27	27	-	-	26	-	-	1	-	-
Yolo	3	3	-	-	3	-	-	-	-	-
Yuba	1	1	-	-	1	-	-	-	-	-

- Indicates zero cases or zero percent

* 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

Table 50. Tuberculosis Cases by Resistance to Pyrazinamide and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2012

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	1,738	1,664	112	6.7	1,579	110	7.0	82	2	2.4	
Alameda	99	92	2	2.2	84	2	2.4	8	-	-	
Alpine	-	-	-	-	-	-	-	-	-	-	
Amador	1	1	1	100.0	1	1	100.0	-	-	-	
Berkeley	6	5	-	-	5	-	-	-	-	-	
Butte	2	2	-	-	2	-	-	-	-	-	
Calaveras	-	-	-	-	-	-	-	-	-	-	
Colusa	1	1	-	-	1	-	-	-	-	-	
Contra Costa	45	43	1	2.3	40	1	2.5	3	-	-	
Del Norte	-	-	-	-	-	-	-	-	-	-	
El Dorado	2	2	1	50.0	2	1	50.0	-	-	-	
Fresno	30	30	1	3.3	29	1	3.4	1	-	-	
Glenn	2	2	1	50.0	2	1	50.0	-	-	-	
Humboldt	1	1	-	-	1	-	-	-	-	-	
Imperial	28	25	2	8.0	24	2	8.3	1	-	-	
Inyo	-	-	-	-	-	-	-	-	-	-	
Kern	26	20	1	5.0	19	1	5.3	1	-	-	
Kings	4	4	-	-	4	-	-	-	-	-	
Lake	-	-	-	-	-	-	-	-	-	-	
Lassen	1	-	-	-	-	-	-	-	-	-	
Long Beach	26	25	1	4.0	25	1	4.0	-	-	-	
Los Angeles	509	500	27	5.4	479	27	5.6	21	-	-	
Madera	3	3	-	-	3	-	-	-	-	-	
Marin	9	9	-	-	9	-	-	-	-	-	
Mariposa	-	-	-	-	-	-	-	-	-	-	
Mendocino	-	-	-	-	-	-	-	-	-	-	
Merced	16	14	1	7.1	14	1	7.1	-	-	-	
Modoc	-	-	-	-	-	-	-	-	-	-	
Mono	-	-	-	-	-	-	-	-	-	-	
Monterey	14	14	1	7.1	14	1	7.1	-	-	-	
Napa	2	2	-	-	2	-	-	-	-	-	
Nevada	-	-	-	-	-	-	-	-	-	-	
Orange	177	174	12	6.9	161	12	7.5	13	-	-	
Pasadena	10	7	-	-	7	-	-	-	-	-	
Placer	3	3	-	-	2	-	-	1	-	-	
Plumas	-	-	-	-	-	-	-	-	-	-	
Riverside	52	50	4	8.0	47	4	8.5	3	-	-	
Sacramento	44	30	1	3.3	29	1	3.4	1	-	-	
San Benito	-	-	-	-	-	-	-	-	-	-	
San Bernardino	52	50	5	10.0	48	5	10.4	2	-	-	
San Diego	184	183	25	13.7	175	23	13.1	8	2	25.0	
San Francisco	84	84	2	2.4	74	2	2.7	10	-	-	
San Joaquin	35	35	4	11.4	35	4	11.4	-	-	-	
San Luis Obispo	3	2	-	-	2	-	-	-	-	-	
San Mateo	40	40	6	15.0	39	6	15.4	1	-	-	
Santa Barbara	21	21	2	9.5	21	2	9.5	-	-	-	
Santa Clara	134	124	5	4.0	114	5	4.4	7	-	-	
Santa Cruz	2	2	-	-	2	-	-	-	-	-	
Shasta	1	1	-	-	1	-	-	-	-	-	
Sierra	-	-	-	-	-	-	-	-	-	-	
Siskiyou	-	-	-	-	-	-	-	-	-	-	
Solano	13	10	1	10.0	10	1	10.0	-	-	-	
Sonoma	8	8	2	25.0	8	2	25.0	-	-	-	
Stanislaus	6	4	-	-	4	-	-	-	-	-	
Sutter	4	4	-	-	4	-	-	-	-	-	
Tehama	-	-	-	-	-	-	-	-	-	-	
Trinity	-	-	-	-	-	-	-	-	-	-	
Tulare	7	7	1	14.3	7	1	14.3	-	-	-	
Tuolumne	-	-	-	-	-	-	-	-	-	-	
Ventura	27	26	2	7.7	25	2	8.0	1	-	-	
Yolo	3	3	-	-	3	-	-	-	-	-	
Yuba	1	1	-	-	1	-	-	-	-	-	

- Indicates zero cases or zero percent

* 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

Table 51. Tuberculosis Cases by Resistance to Streptomycin and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2012

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	1,738	995	112	11.3	939	104	11.1	53	8	15.1	
Alameda	99	36	7	19.4	28	5	17.9	8	2	25.0	
Alpine	-	-	-	-	-	-	-	-	-	-	
Amador	1	-	-	-	-	-	-	-	-	-	
Berkeley	6	2	-	-	2	-	-	-	-	-	
Butte	2	-	-	-	-	-	-	-	-	-	
Calaveras	-	-	-	-	-	-	-	-	-	-	
Colusa	1	-	-	-	-	-	-	-	-	-	
Contra Costa	45	12	1	8.3	12	1	8.3	-	-	-	
Del Norte	-	-	-	-	-	-	-	-	-	-	
El Dorado	2	2	-	-	2	-	-	-	-	-	
Fresno	30	7	1	14.3	7	1	14.3	-	-	-	
Glenn	2	-	-	-	-	-	-	-	-	-	
Humboldt	1	1	-	-	1	-	-	-	-	-	
Imperial	28	3	1	33.3	2	1	50.0	1	-	-	
Inyo	-	-	-	-	-	-	-	-	-	-	
Kern	26	3	-	-	2	-	-	1	-	-	
Kings	4	2	-	-	2	-	-	-	-	-	
Lake	-	-	-	-	-	-	-	-	-	-	
Lassen	1	-	-	-	-	-	-	-	-	-	
Long Beach	26	7	1	14.3	7	1	14.3	-	-	-	
Los Angeles	509	480	43	9.0	459	42	9.2	21	1	4.8	
Madera	3	3	-	-	3	-	-	-	-	-	
Marin	9	2	2	100.0	2	2	100.0	-	-	-	
Mariposa	-	-	-	-	-	-	-	-	-	-	
Mendocino	-	-	-	-	-	-	-	-	-	-	
Merced	16	2	-	-	2	-	-	-	-	-	
Modoc	-	-	-	-	-	-	-	-	-	-	
Mono	-	-	-	-	-	-	-	-	-	-	
Monterey	14	-	-	-	-	-	-	-	-	-	
Napa	2	1	1	100.0	1	1	100.0	-	-	-	
Nevada	-	-	-	-	-	-	-	-	-	-	
Orange	177	68	12	17.6	64	11	17.2	4	1	25.0	
Pasadena	10	7	2	28.6	7	2	28.6	-	-	-	
Placer	3	-	-	-	-	-	-	-	-	-	
Plumas	-	-	-	-	-	-	-	-	-	-	
Riverside	52	50	4	8.0	47	4	8.5	3	-	-	
Sacramento	44	1	-	-	1	-	-	-	-	-	
San Benito	-	-	-	-	-	-	-	-	-	-	
San Bernardino	52	38	7	18.4	36	7	19.4	2	-	-	
San Diego	184	51	7	13.7	47	5	10.6	4	2	50.0	
San Francisco	84	70	9	12.9	63	7	11.1	7	2	28.6	
San Joaquin	35	5	1	20.0	5	1	20.0	-	-	-	
San Luis Obispo	3	-	-	-	-	-	-	-	-	-	
San Mateo	40	19	1	5.3	19	1	5.3	-	-	-	
Santa Barbara	21	17	-	-	17	-	-	-	-	-	
Santa Clara	134	77	11	14.3	73	11	15.1	1	-	-	
Santa Cruz	2	1	-	-	1	-	-	-	-	-	
Shasta	1	-	-	-	-	-	-	-	-	-	
Sierra	-	-	-	-	-	-	-	-	-	-	
Siskiyou	-	-	-	-	-	-	-	-	-	-	
Solano	13	3	-	-	3	-	-	-	-	-	
Sonoma	8	-	-	-	-	-	-	-	-	-	
Stanislaus	6	-	-	-	-	-	-	-	-	-	
Sutter	4	4	-	-	4	-	-	-	-	-	
Tehama	-	-	-	-	-	-	-	-	-	-	
Trinity	-	-	-	-	-	-	-	-	-	-	
Tulare	7	5	-	-	5	-	-	-	-	-	
Tuolumne	-	-	-	-	-	-	-	-	-	-	
Ventura	27	15	1	6.7	14	1	7.1	1	-	-	
Yolo	3	-	-	-	-	-	-	-	-	-	
Yuba	1	1	-	-	1	-	-	-	-	-	

- Indicates zero cases or zero percent

* 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

Table 52. Multidrug-resistant (MDR) Tuberculosis Cases* by History of Prior Tuberculosis: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	Total Culture Positive Cases	All Cases**		No Prior TB		Prior TB		No. with MDR Susceptibility Testing	Cases with Multidrug Resistance	No.	%
		No. with MDR Susceptibility Testing	Cases with Multidrug Resistance		No. with MDR Susceptibility Testing	Cases with Multidrug Resistance					
			No.	%		No.	%				
California	1,738	1,677	13	0.8	1,591	11	0.7	83	2	2.4	
Alameda	99	93	1	1.1	85	1	1.2	8	-	-	
Alpine	-	-	-	-	-	-	-	-	-	-	
Amador	1	1	-	-	1	-	-	-	-	-	
Berkeley	6	5	-	-	5	-	-	-	-	-	
Butte	2	2	-	-	2	-	-	-	-	-	
Calaveras	-	-	-	-	-	-	-	-	-	-	
Colusa	1	1	-	-	1	-	-	-	-	-	
Contra Costa	45	45	-	-	41	-	-	4	-	-	
Del Norte	-	-	-	-	-	-	-	-	-	-	
El Dorado	2	2	-	-	2	-	-	-	-	-	
Fresno	30	29	-	-	28	-	-	1	-	-	
Glenn	2	2	-	-	2	-	-	-	-	-	
Humboldt	1	1	-	-	1	-	-	-	-	-	
Imperial	28	26	-	-	25	-	-	1	-	-	
Inyo	-	-	-	-	-	-	-	-	-	-	
Kern	26	20	-	-	19	-	-	1	-	-	
Kings	4	4	-	-	4	-	-	-	-	-	
Lake	-	-	-	-	-	-	-	-	-	-	
Lassen	1	-	-	-	-	-	-	-	-	-	
Long Beach	26	25	-	-	25	-	-	-	-	-	
Los Angeles	509	502	4	0.8	481	3	0.6	21	1	4.8	
Madera	3	3	-	-	3	-	-	-	-	-	
Marin	9	9	-	-	9	-	-	-	-	-	
Mariposa	-	-	-	-	-	-	-	-	-	-	
Mendocino	-	-	-	-	-	-	-	-	-	-	
Merced	16	14	-	-	14	-	-	-	-	-	
Modoc	-	-	-	-	-	-	-	-	-	-	
Mono	-	-	-	-	-	-	-	-	-	-	
Monterey	14	14	-	-	14	-	-	-	-	-	
Napa	2	2	-	-	2	-	-	-	-	-	
Nevada	-	-	-	-	-	-	-	-	-	-	
Orange	177	176	1	0.6	163	1	0.6	13	-	-	
Pasadena	10	9	-	-	9	-	-	-	-	-	
Placer	3	3	-	-	2	-	-	1	-	-	
Plumas	-	-	-	-	-	-	-	-	-	-	
Riverside	52	51	-	-	48	-	-	3	-	-	
Sacramento	44	28	-	-	27	-	-	1	-	-	
San Benito	-	-	-	-	-	-	-	-	-	-	
San Bernardino	52	50	1	2.0	48	1	2.1	2	-	-	
San Diego	184	183	2	1.1	175	1	0.6	8	1	12.5	
San Francisco	84	84	1	1.2	74	1	1.4	10	-	-	
San Joaquin	35	35	-	-	35	-	-	-	-	-	
San Luis Obispo	3	3	-	-	3	-	-	-	-	-	
San Mateo	40	40	-	-	39	-	-	1	-	-	
Santa Barbara	21	20	-	-	20	-	-	-	-	-	
Santa Clara	134	128	3	2.3	118	3	2.5	7	-	-	
Santa Cruz	2	2	-	-	2	-	-	-	-	-	
Shasta	1	1	-	-	1	-	-	-	-	-	
Sierra	-	-	-	-	-	-	-	-	-	-	
Siskiyou	-	-	-	-	-	-	-	-	-	-	
Solano	13	10	-	-	10	-	-	-	-	-	
Sonoma	8	8	-	-	8	-	-	-	-	-	
Stanislaus	6	4	-	-	4	-	-	-	-	-	
Sutter	4	4	-	-	4	-	-	-	-	-	
Tehama	-	-	-	-	-	-	-	-	-	-	
Trinity	-	-	-	-	-	-	-	-	-	-	
Tulare	7	7	-	-	7	-	-	-	-	-	
Tuolumne	-	-	-	-	-	-	-	-	-	-	
Ventura	27	27	-	-	26	-	-	1	-	-	
Yolo	3	3	-	-	3	-	-	-	-	-	
Yuba	1	1	-	-	1	-	-	-	-	-	

- Indicates zero cases or zero percent

* Cases with resistance to at least isoniazid and rifampin

** 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.

Table 53. Tuberculosis Cases by Resistance to at Least One First-line Drug* and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2012

Reporting Jurisdiction	All Cases**				No Prior TB			Prior TB		
	Total Culture Positive Cases	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	1,738	1,685	270	16.0	1,599	254	15.9	83	16	19.3
Alameda	99	93	13	14.0	85	10	11.8	8	3	37.5
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	1	1	1	100.0	1	1	100.0	-	-	-
Berkeley	6	5	-	-	5	-	-	-	-	-
Butte	2	2	-	-	2	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	1	1	-	-	1	-	-	-	-	-
Contra Costa	45	45	4	8.9	41	3	7.3	4	1	25.0
Del Norte	-	-	-	-	-	-	-	-	-	-
El Dorado	2	2	1	50.0	2	1	50.0	-	-	-
Fresno	30	30	4	13.3	29	4	13.8	1	-	-
Glenn	2	2	1	50.0	2	1	50.0	-	-	-
Humboldt	1	1	-	-	1	-	-	-	-	-
Imperial	28	26	5	19.2	25	5	20.0	1	-	-
Inyo	-	-	-	-	-	-	-	-	-	-
Kern	26	20	2	10.0	19	2	10.5	1	-	-
Kings	4	4	-	-	4	-	-	-	-	-
Lake	-	-	-	-	-	-	-	-	-	-
Lassen	1	-	-	-	-	-	-	-	-	-
Long Beach	26	25	2	8.0	25	2	8.0	-	-	-
Los Angeles	509	504	62	12.3	483	60	12.4	21	2	9.5
Madera	3	3	-	-	3	-	-	-	-	-
Marin	9	9	-	-	9	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-	-	-	-
Merced	16	14	2	14.3	14	2	14.3	-	-	-
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	14	14	3	21.4	14	3	21.4	-	-	-
Napa	2	2	1	50.0	2	1	50.0	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	-
Orange	177	176	34	19.3	163	32	19.6	13	2	15.4
Pasadena	10	9	1	11.1	9	1	11.1	-	-	-
Placer	3	3	-	-	2	-	-	1	-	-
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	52	51	8	15.7	48	8	16.7	3	-	-
Sacramento	44	30	3	10.0	29	3	10.3	1	-	-
San Benito	-	-	-	-	-	-	-	-	-	-
San Bernardino	52	50	12	24.0	48	12	25.0	2	-	-
San Diego	184	183	41	22.4	175	38	21.7	8	3	37.5
San Francisco	84	84	16	19.0	74	11	14.9	10	5	50.0
San Joaquin	35	35	6	17.1	35	6	17.1	-	-	-
San Luis Obispo	3	3	-	-	3	-	-	-	-	-
San Mateo	40	40	8	20.0	39	8	20.5	1	-	-
Santa Barbara	21	21	3	14.3	21	3	14.3	-	-	-
Santa Clara	134	130	23	17.7	120	23	19.2	7	-	-
Santa Cruz	2	2	1	50.0	2	1	50.0	-	-	-
Shasta	1	1	-	-	1	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	13	10	3	30.0	10	3	30.0	-	-	-
Sonoma	8	8	2	25.0	8	2	25.0	-	-	-
Stanislaus	6	4	-	-	4	-	-	-	-	-
Sutter	4	4	2	50.0	4	2	50.0	-	-	-
Tehama	-	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	7	7	1	14.3	7	1	14.3	-	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	27	27	4	14.8	26	4	15.4	1	-	-
Yolo	3	3	1	33.3	3	1	33.3	-	-	-
Yuba	1	1	-	-	1	-	-	-	-	-

- Indicates zero cases or zero percent

* 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.

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Table 54. Tuberculosis Cases by Resistance to Isoniazid: Reporting Jurisdictions in California, 2006-2012

Reporting Jurisdiction	2006			2007			2008			2009			2010			2011			2012 *		
	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	2,215	215	9.7	2,155	236	11.0	2,136	223	10.4	1,919	192	10.0	1,829	173	9.5	1,818	195	10.7	1,679	168	10.0
Alameda	114	9	7.9	117	15	12.8	99	14	14.1	111	12	10.8	125	13	10.4	90	5	5.6	93	11	11.8
Alpine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-
Berkeley	3	-	-	5	1	20.0	3	-	-	2	-	-	5	-	-	1	-	-	5	-	-
Butte	2	-	-	3	1	33.3	3	-	-	2	-	-	2	-	-	-	-	-	2	-	-
Calaveras	-	-	-	1	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Colusa	2	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	1	-	-
Contra Costa	36	6	16.7	33	-	-	61	9	14.8	34	5	14.7	29	2	6.9	33	4	12.1	45	3	6.7
Del Norte	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
El Dorado	1	-	-	3	2	66.7	2	-	-	-	-	-	1	1	100.0	3	1	33.3	2	-	-
Fresno	44	7	15.9	32	3	9.4	58	10	17.2	47	7	14.9	42	3	7.1	35	2	5.7	30	3	10.0
Glenn	1	-	-	2	-	-	1	-	-	-	-	-	1	-	-	-	-	-	2	-	-
Humboldt	1	1	100.0	-	-	-	-	-	-	1	-	-	1	-	-	1	-	-	1	-	-
Imperial	27	-	-	27	3	11.1	16	2	12.5	34	-	-	21	1	4.8	25	-	-	26	3	11.5
Inyo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kern	39	3	7.7	32	4	12.5	46	2	4.3	37	-	-	29	4	13.8	31	2	6.5	20	1	5.0
Kings	2	-	-	3	-	-	5	-	-	4	-	-	3	-	-	5	1	20.0	4	-	-
Lake	1	-	-	1	-	-	2	-	-	-	-	-	1	-	-	1	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Long Beach	30	3	10.0	32	5	15.6	40	7	17.5	40	1	2.5	36	5	13.9	22	3	13.6	25	1	4.0
Los Angeles	697	61	8.8	646	59	9.1	625	55	8.8	557	47	8.4	523	47	9.0	536	48	9.0	502	35	7.0
Madera	2	-	-	1	-	-	12	-	-	4	-	-	2	-	-	9	-	-	3	-	-
Marin	4	-	-	9	-	-	4	1	25.0	8	-	-	7	3	42.9	10	2	20.0	9	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mendocino	1	-	-	-	-	-	3	-	-	1	-	-	-	-	-	2	-	-	-	-	-
Merced	7	-	-	3	-	-	5	-	-	10	-	-	6	-	-	6	-	-	14	1	7.1
Modoc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monterey	23	3	13.0	18	1	5.6	17	-	-	13	1	7.7	18	2	11.1	23	4	17.4	14	2	14.3
Napa	6	-	-	6	-	-	3	-	-	4	2	50.0	4	-	-	5	-	-	2	1	50.0

- Indicates zero cases or zero percent

* At the time of report preparation, drug susceptibility testing was 96 percent complete for culture positive cases reported in 2012. As additional Initial Drug Susceptibility Reports are submitted, overall proportions of drug resistance may change slightly.

** INH=isoniazid

Table 54. Tuberculosis Cases by Resistance to Isoniazid: Reporting Jurisdictions in California, 2006-2012

Reporting Jurisdiction	2006			2007			2008			2009			2010			2011			2012 *		
	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.	%	No.	%
Nevada	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Orange	202	22	10.9	187	20	10.7	187	22	11.8	165	29	17.6	199	23	11.6	181	29	16.0	176	25	14.2
Pasadena	6	-	-	4	-	-	3	-	-	3	-	-	5	-	-	3	-	-	9	1	11.1
Placer	3	-	-	10	-	-	1	-	-	3	1	33.3	2	-	-	4	-	-	3	-	-
Plumas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Riverside	62	11	17.7	68	8	11.8	69	7	10.1	52	5	9.6	65	9	13.8	55	2	3.6	51	4	7.8
Sacramento	75	6	8.0	79	11	13.9	69	6	8.7	71	10	14.1	42	-	-	50	2	4.0	28	2	7.1
San Benito	1	-	-	-	-	-	1	-	-	-	-	-	1	-	-	3	-	-	-	-	-
San Bernardino	52	6	11.5	47	4	8.5	64	4	6.3	63	5	7.9	48	3	6.3	44	7	15.9	50	8	16.0
San Diego	262	33	12.6	247	29	11.7	226	27	11.9	176	16	9.1	183	15	8.2	216	32	14.8	183	18	9.8
San Francisco	101	10	9.9	109	11	10.1	93	5	5.4	85	8	9.4	77	13	16.9	74	10	13.5	84	16	19.0
San Joaquin	59	4	6.8	33	5	15.2	49	6	12.2	56	6	10.7	37	3	8.1	40	4	10.0	35	3	8.6
San Luis Obispo	1	-	-	3	1	33.3	1	-	-	3	1	33.3	3	-	-	2	1	50.0	3	-	-
San Mateo	58	4	6.9	68	11	16.2	53	8	15.1	53	8	15.1	45	6	13.3	46	8	17.4	40	2	5.0
Santa Barbara	14	2	14.3	13	2	15.4	32	3	9.4	17	4	23.5	26	2	7.7	17	1	5.9	20	1	5.0
Santa Clara	181	15	8.3	194	28	14.4	162	28	17.3	151	13	8.6	150	16	10.7	155	20	12.9	129	19	14.7
Santa Cruz	3	-	-	6	1	16.7	5	-	-	5	-	-	7	-	-	5	1	20.0	2	1	50.0
Shasta	4	-	-	2	-	-	2	-	-	1	-	-	1	-	-	-	-	-	1	-	-
Sierra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solano	18	2	11.1	28	3	10.7	19	3	15.8	18	1	5.6	14	1	7.1	18	1	5.6	10	2	20.0
Sonoma	13	2	15.4	12	2	16.7	7	-	-	8	1	12.5	8	-	-	10	2	20.0	8	-	-
Stanislaus	10	2	20.0	13	1	7.7	19	-	-	18	4	22.2	9	-	-	9	-	-	4	-	-
Sutter	2	-	-	1	-	-	6	-	-	-	-	-	3	-	-	4	-	-	4	2	50.0
Tehama	1	-	-	3	1	33.3	-	-	-	1	1	100.0	-	-	-	1	-	-	-	-	-
Trinity	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tulare	13	-	-	16	1	6.3	19	2	10.5	15	1	6.7	22	1	4.5	13	-	-	7	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Ventura	25	3	12.0	26	3	11.5	35	1	2.9	35	2	5.7	14	-	-	25	1	4.0	27	2	7.4
Yolo	2	-	-	7	-	-	4	-	-	7	1	14.3	7	-	-	3	1	33.3	3	1	33.3
Yuba	-	-	-	5	-	-	3	1	33.3	-	-	-	1	-	-	1	1	100.0	1	-	-

- Indicates zero cases or zero percent

* At the time of report preparation, drug susceptibility testing was 96 percent complete for culture positive cases reported in 2012. As additional Initial Drug Susceptibility Reports are submitted, overall proportions of drug resistance may change slightly.

** INH=isoniazid

Table 55. Multidrug-resistant (MDR) Tuberculosis Cases*: Reporting Jurisdictions in California, 2006-2012

Reporting Jurisdiction	2006			2007			2008			2009			2010			2011			2012 **		
	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	2,214	34	1.5	2,155	28	1.3	2,135	31	1.5	1,919	33	1.7	1,829	23	1.3	1,818	35	1.9	1,677	13	0.8
Alameda	114	-	-	117	1	0.9	99	2	2.0	111	4	3.6	125	3	2.4	90	-	-	93	1	1.1
Alpine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	1	-	-
Berkeley	3	-	-	5	-	-	3	-	-	2	-	-	5	-	-	1	-	-	5	-	-
Butte	2	-	-	3	1	33.3	3	-	-	2	-	-	2	-	-	-	-	-	2	-	-
Calaveras	-	-	-	1	-	-	-	-	-	2	-	-	-	-	-	-	-	-	-	-	-
Colusa	2	-	-	-	-	-	-	-	-	-	-	-	3	-	-	-	-	-	1	-	-
Contra Costa	36	-	-	33	-	-	61	1	1.6	34	1	2.9	29	-	-	33	1	3.0	45	-	-
Del Norte	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
El Dorado	1	-	-	3	1	33.3	2	-	-	-	-	-	1	-	-	3	1	33.3	2	-	-
Fresno	44	2	4.5	32	1	3.1	58	3	5.2	47	3	6.4	42	1	2.4	35	-	-	29	-	-
Glenn	1	-	-	2	-	-	1	-	-	-	-	-	1	-	-	-	-	-	2	-	-
Humboldt	1	-	-	-	-	-	-	-	-	1	-	-	1	-	-	1	-	-	1	-	-
Imperial	27	-	-	27	1	3.7	16	-	-	34	-	-	21	-	-	25	-	-	26	-	-
Inyo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kern	39	1	2.6	32	-	-	46	1	2.2	37	-	-	29	-	-	31	1	3.2	20	-	-
Kings	2	-	-	3	-	-	5	-	-	4	-	-	3	-	-	5	1	20.0	4	-	-
Lake	1	-	-	1	-	-	2	-	-	-	-	-	1	-	-	1	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Long Beach	30	-	-	32	-	-	40	1	2.5	40	-	-	36	-	-	22	-	-	25	-	-
Los Angeles	697	11	1.6	646	5	0.8	625	7	1.1	557	5	0.9	523	8	1.5	536	12	2.2	502	4	0.8
Madera	2	-	-	1	-	-	12	-	-	4	-	-	2	-	-	9	-	-	3	-	-
Marin	4	-	-	9	-	-	4	-	-	8	-	-	7	-	-	10	-	-	9	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mendocino	1	-	-	-	-	-	3	-	-	1	-	-	-	-	-	2	-	-	-	-	-
Merced	7	-	-	3	-	-	5	-	-	10	-	-	6	-	-	6	-	-	14	-	-
Modoc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monterey	23	-	-	18	-	-	16	-	-	13	-	-	18	-	-	23	-	-	14	-	-
Napa	6	-	-	6	-	-	3	-	-	4	-	-	4	-	-	5	-	-	2	-	-

- Indicates zero cases or zero percent

* Cases with resistance to at least isoniazid and rifampin

** At the time of report preparation, initial drug susceptibility testing was 96 percent complete for culture positive cases reported in 2012. As additional Initial Drug Susceptibility Reports are submitted, overall proportions of drug resistance may change slightly.

Table 55. Multidrug-resistant (MDR) Tuberculosis Cases*: Reporting Jurisdictions in California, 2006-2012

Reporting Jurisdiction	2006			2007			2008			2009			2010			2011			2012 **		
	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.	%	No.	%
Nevada	2	-	-	-	-	-	2	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Orange	202	4	2.0	187	3	1.6	187	2	1.1	165	6	3.6	199	1	0.5	181	5	2.8	176	1	0.6
Pasadena	6	-	-	4	-	-	3	-	-	3	-	-	5	-	-	3	-	-	9	-	-
Placer	3	-	-	10	-	-	1	-	-	3	-	-	2	-	-	4	-	-	3	-	-
Plumas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Riverside	62	5	8.1	68	1	1.5	69	-	-	52	1	1.9	65	2	3.1	55	1	1.8	51	-	-
Sacramento	75	-	-	79	1	1.3	69	3	4.3	71	2	2.8	42	-	-	50	-	-	28	-	-
San Benito	1	-	-	-	-	-	1	-	-	-	-	-	1	-	-	3	-	-	-	-	-
San Bernardino	51	-	-	47	1	2.1	64	-	-	63	-	-	48	-	-	44	-	-	50	1	2.0
San Diego	262	5	1.9	247	4	1.6	226	3	1.3	176	3	1.7	183	1	0.5	216	3	1.4	183	2	1.1
San Francisco	101	1	1.0	109	2	1.8	93	1	1.1	85	-	-	77	3	3.9	74	-	-	84	1	1.2
San Joaquin	59	-	-	33	-	-	49	1	2.0	56	4	7.1	37	-	-	40	1	2.5	35	-	-
San Luis Obispo	1	-	-	3	-	-	1	-	-	3	-	-	3	-	-	2	-	-	3	-	-
San Mateo	58	-	-	68	1	1.5	53	2	3.8	53	1	1.9	45	1	2.2	46	4	8.7	40	-	-
Santa Barbara	14	-	-	13	-	-	32	-	-	17	-	-	26	-	-	17	1	5.9	20	-	-
Santa Clara	181	2	1.1	194	5	2.6	162	2	1.2	151	2	1.3	150	3	2.0	155	4	2.6	128	3	2.3
Santa Cruz	3	-	-	6	-	-	5	-	-	5	-	-	7	-	-	5	-	-	2	-	-
Shasta	4	-	-	2	-	-	2	-	-	1	-	-	1	-	-	-	-	-	1	-	-
Sierra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solano	18	-	-	28	-	-	19	-	-	18	-	-	14	-	-	18	-	-	10	-	-
Sonoma	13	2	15.4	12	-	-	7	-	-	8	-	-	8	-	-	10	-	-	8	-	-
Stanislaus	10	1	10.0	13	-	-	19	-	-	18	-	-	9	-	-	9	-	-	4	-	-
Sutter	2	-	-	1	-	-	6	-	-	-	-	-	3	-	-	4	-	-	4	-	-
Tehama	1	-	-	3	-	-	-	-	-	1	-	-	-	-	-	1	-	-	-	-	-
Trinity	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tulare	13	-	-	16	-	-	19	1	5.3	15	-	-	22	-	-	13	-	-	7	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Ventura	25	-	-	26	-	-	35	-	-	35	-	-	14	-	-	25	-	-	27	-	-
Yolo	2	-	-	7	-	-	4	-	-	7	1	14.3	7	-	-	3	-	-	3	-	-
Yuba	-	-	-	5	-	-	3	1	33.3	-	-	-	1	-	-	1	-	-	1	-	-

- Indicates zero cases or zero percent

* Cases with resistance to at least isoniazid and rifampin

** At the time of report preparation, initial drug susceptibility testing was 96 percent complete for culture positive cases reported in 2012. As additional Initial Drug Susceptibility Reports are submitted, overall proportions of drug resistance may change slightly.

Table 56. Tuberculosis Cases by Outcome of Therapy (Tx): Reporting Jurisdictions in California, 2010

Reporting Jurisdiction	Cases Starting Therapy	Outcome (Reason Therapy Stopped)															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Died		Lost		Refused		Adverse Tx Effect		Other/Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	2,252	1,713	76.1	224	9.9	139	6.2	28	1.2	15	0.7	6	0.3	96	4.3	31	1.4
Alameda	172	137	79.7	18	10.5	6	3.5	2	1.2	2	1.2	-	-	6	3.5	1	0.6
Alpine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amador	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Berkeley	9	7	77.8	-	-	-	-	-	-	-	-	-	-	2	22.2	-	-
Butte	2	1	50.0	-	-	1	50.0	-	-	-	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colusa	3	2	66.7	-	-	-	-	-	-	-	-	-	-	1	33.3	-	-
Contra Costa	32	23	71.9	5	15.6	2	6.3	1	3.1	1	3.1	-	-	-	-	-	-
Del Norte	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
El Dorado	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fresno	54	43	79.6	4	7.4	3	5.6	2	3.7	-	-	1	1.9	1	1.9	-	-
Glenn	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Humboldt	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Imperial	21	11	52.4	5	23.8	2	9.5	2	9.5	-	-	-	-	1	4.8	-	-
Inyo	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	100.0
Kern	35	24	68.6	5	14.3	2	5.7	2	5.7	-	-	-	-	2	5.7	-	-
Kings	4	3	75.0	1	25.0	-	-	-	-	-	-	-	-	-	-	-	-
Lake	2	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Beach	41	36	87.8	-	-	2	4.9	-	-	-	-	-	-	3	7.3	-	-
Los Angeles	648	491	75.8	55	8.5	42	6.5	3	0.5	5	0.8	-	-	27	4.2	25	3.9
Madera	3	3	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Marin	11	5	45.5	4	36.4	2	18.2	-	-	-	-	-	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Merced	5	1	20.0	2	40.0	2	40.0	-	-	-	-	-	-	-	-	-	-
Modoc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monterey	20	14	70.0	5	25.0	1	5.0	-	-	-	-	-	-	-	-	-	-
Napa	5	4	80.0	1	20.0	-	-	-	-	-	-	-	-	-	-	-	-

- Indicates zero cases or zero percent

Table 56. Tuberculosis Cases by Outcome of Therapy (Tx): Reporting Jurisdictions in California, 2010

Reporting Jurisdiction	Cases Starting Therapy	Outcome (Reason Therapy Stopped)															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Died		Lost		Refused		Adverse Tx Effect		Other/Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Nevada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orange	217	161	74.2	21	9.7	15	6.9	1	0.5	3	1.4	1	0.5	15	6.9	-	-
Pasadena	6	5	83.3	1	16.7	-	-	-	-	-	-	-	-	-	-	-	-
Placer	3	3	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Riverside	71	54	76.1	8	11.3	5	7.0	1	1.4	1	1.4	1	1.4	1	1.4	-	-
Sacramento	62	45	72.6	4	6.5	6	9.7	-	-	-	-	1	1.6	5	8.1	1	1.6
San Benito	1	-	-	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-
San Bernardino	58	48	82.8	3	5.2	4	6.9	2	3.4	-	-	-	-	1	1.7	-	-
San Diego	218	165	75.7	23	10.6	12	5.5	2	0.9	1	0.5	1	0.5	14	6.4	-	-
San Francisco	95	64	67.4	20	21.1	9	9.5	-	-	1	1.1	-	-	1	1.1	-	-
San Joaquin	45	31	68.9	3	6.7	7	15.6	-	-	-	-	-	-	1	2.2	3	6.7
San Luis Obispo	4	4	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Mateo	58	49	84.5	3	5.2	1	1.7	4	6.9	-	-	-	-	1	1.7	-	-
Santa Barbara	30	23	76.7	2	6.7	2	6.7	2	6.7	-	-	-	-	1	3.3	-	-
Santa Clara	186	145	78.0	18	9.7	10	5.4	2	1.1	-	-	1	0.5	10	5.4	-	-
Santa Cruz	10	8	80.0	2	20.0	-	-	-	-	-	-	-	-	-	-	-	-
Shasta	2	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solano	20	17	85.0	2	10.0	1	5.0	-	-	-	-	-	-	-	-	-	-
Sonoma	9	9	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stanislaus	15	9	60.0	4	26.7	-	-	2	13.3	-	-	-	-	-	-	-	-
Sutter	3	3	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tehama	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tulare	25	20	80.0	2	8.0	1	4.0	-	-	1	4.0	-	-	1	4.0	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ventura	33	29	87.9	2	6.1	-	-	-	-	-	-	-	-	2	6.1	-	-
Yolo	8	7	87.5	-	-	1	12.5	-	-	-	-	-	-	-	-	-	-
Yuba	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- Indicates zero cases or zero percent

Table 57. Outcome in Tuberculosis Cases for Whom One Year or Less of Therapy (Tx) was Indicated*: Reporting Jurisdictions in California, 2010

Reporting Jurisdiction	Cases Starting Therapy	Outcome (Reason Therapy Stopped)															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Died		Lost		Refused		Adverse Tx Effect		Other/Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	2,224	1,713	77.0	204	9.2	138	6.2	28	1.3	15	0.7	5	0.2	91	4.1	30	1.3
Alameda	169	137	81.1	16	9.5	6	3.6	2	1.2	2	1.2	-	-	6	3.6	-	-
Alpine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amador	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Berkeley	9	7	77.8	-	-	-	-	-	-	-	-	-	-	2	22.2	-	-
Butte	2	1	50.0	-	-	1	50.0	-	-	-	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colusa	3	2	66.7	-	-	-	-	-	-	-	-	-	-	1	33.3	-	-
Contra Costa	32	23	71.9	5	15.6	2	6.3	1	3.1	1	3.1	-	-	-	-	-	-
Del Norte	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
El Dorado	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fresno	53	43	81.1	4	7.5	2	3.8	2	3.8	-	-	1	1.9	1	1.9	-	-
Glenn	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Humboldt	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Imperial	20	11	55.0	4	20.0	2	10.0	2	10.0	-	-	-	-	1	5.0	-	-
Inyo	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	100.0
Kern	35	24	68.6	5	14.3	2	5.7	2	5.7	-	-	-	-	2	5.7	-	-
Kings	4	3	75.0	1	25.0	-	-	-	-	-	-	-	-	-	-	-	-
Lake	2	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Beach	41	36	87.8	-	-	2	4.9	-	-	-	-	-	-	3	7.3	-	-
Los Angeles	639	491	76.8	49	7.7	42	6.6	3	0.5	5	0.8	-	-	24	3.8	25	3.9
Madera	3	3	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Marin	11	5	45.5	4	36.4	2	18.2	-	-	-	-	-	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Merced	5	1	20.0	2	40.0	2	40.0	-	-	-	-	-	-	-	-	-	-
Modoc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monterey	20	14	70.0	5	25.0	1	5.0	-	-	-	-	-	-	-	-	-	-
Napa	5	4	80.0	1	20.0	-	-	-	-	-	-	-	-	-	-	-	-

- Indicates zero cases or zero percent

* Excludes cases with rifampin resistant disease, cases with meningeal disease, and cases less than 15 years of age with disseminated tuberculosis disease

Table 57. Outcome in Tuberculosis Cases for Whom One Year or Less of Therapy (Tx) was Indicated*: Reporting Jurisdictions in California, 2010

Reporting Jurisdiction	Cases Starting Therapy	Outcome (Reason Therapy Stopped)															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Died		Lost		Refused		Adverse Tx Effect		Other/Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Nevada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orange	215	161	74.9	19	8.8	15	7.0	1	0.5	3	1.4	1	-	15	7.0	-	-
Pasadena	6	5	83.3	1	16.7	-	-	-	-	-	-	-	-	-	-	-	-
Placer	3	3	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Riverside	69	54	78.3	7	10.1	5	7.2	1	1.4	1	1.4	-	-	1	1.4	-	-
Sacramento	62	45	72.6	4	6.5	6	9.7	-	-	-	-	1	2.0	5	8.1	1	1.6
San Benito	1	-	-	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-
San Bernardino	58	48	82.8	3	5.2	4	6.9	2	3.4	-	-	-	-	1	1.7	-	-
San Diego	217	165	76.0	23	10.6	12	5.5	2	0.9	1	0.5	1	-	13	6.0	-	-
San Francisco	92	64	69.6	17	18.5	9	9.8	-	-	1	1.1	-	-	1	1.1	-	-
San Joaquin	45	31	68.9	3	6.7	7	15.6	-	-	-	-	-	-	1	2.2	3	6.7
San Luis Obispo	4	4	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Mateo	57	49	86.0	2	3.5	1	1.8	4	7.0	-	-	-	-	1	1.8	-	-
Santa Barbara	30	23	76.7	2	6.7	2	6.7	2	6.7	-	-	-	-	1	3.3	-	-
Santa Clara	182	145	79.7	15	8.2	10	5.5	2	1.1	-	-	1	-	9	4.9	-	-
Santa Cruz	10	8	80.0	2	20.0	-	-	-	-	-	-	-	-	-	-	-	-
Shasta	2	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solano	20	17	85.0	2	10.0	1	5.0	-	-	-	-	-	-	-	-	-	-
Sonoma	9	9	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stanislaus	14	9	64.3	3	21.4	-	-	2	14.3	-	-	-	-	-	-	-	-
Sutter	3	3	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tehama	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tulare	25	20	80.0	2	8.0	1	4.0	-	-	1	4.0	-	-	1	4.0	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ventura	33	29	87.9	2	6.1	-	-	-	-	-	-	-	-	2	6.1	-	-
Yolo	8	7	87.5	-	-	1	12.5	-	-	-	-	-	-	-	-	-	-
Yuba	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- Indicates zero cases or zero percent

* Excludes cases with rifampin resistant disease, cases with meningeal disease, and cases less than 15 years of age with disseminated tuberculosis disease

Table 58. Outcome in Tuberculosis Cases for Whom Greater than One Year of Therapy (Tx) was Indicated*: Reporting Jurisdictions in California, 2010

Reporting Jurisdiction	Cases Starting Therapy	Outcome (Reason Therapy Stopped)															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Died		Lost		Refused		Adverse Tx Effect		Other/Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	28	-	-	20	71.4	1	3.6	-	-	-	-	1	3.6	5	17.9	1	3.6
Alameda	3	-	-	2	66.7	-	-	-	-	-	-	-	-	-	-	1	33.3
Alpine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Berkeley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butte	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contra Costa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Del Norte	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
El Dorado	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fresno	1	-	-	-	-	1	100.0	-	-	-	-	-	-	-	-	-	-
Glenn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Imperial	1	-	-	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Inyo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kern	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kings	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Beach	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Los Angeles	9	-	-	6	66.7	-	-	-	-	-	-	-	-	3	33.3	-	-
Madera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Marin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mendocino	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Merced	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Modoc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monterey	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Napa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- Indicates zero cases or zero percent

* Includes cases with rifampin resistant disease, cases with meningeal disease, and cases less than 15 years of age with disseminated tuberculosis disease

Table 58. Outcome in Tuberculosis Cases for Whom Greater than One Year of Therapy (Tx) was Indicated*: Reporting Jurisdictions in California, 2010

Reporting Jurisdiction	Cases Starting Therapy	Outcome (Reason Therapy Stopped)															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Died		Lost		Refused		Adverse Tx Effect		Other/Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Nevada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orange	2	-	-	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Pasadena	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Placer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Riverside	2	-	-	1	50.0	-	-	-	-	-	-	1	50.0	-	-	-	-
Sacramento	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Benito	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Bernardino	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Diego	1	-	-	-	-	-	-	-	-	-	-	-	-	1	100.0	-	-
San Francisco	3	-	-	3	100.0	-	-	-	-	-	-	-	-	-	-	-	-
San Joaquin	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Luis Obispo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Mateo	1	-	-	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Santa Barbara	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Santa Clara	4	-	-	3	75.0	-	-	-	-	-	-	-	-	1	25.0	-	-
Santa Cruz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shasta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solano	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sonoma	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stanislaus	1	-	-	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Sutter	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tehama	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tulare	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ventura	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yolo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yuba	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

- Indicates zero cases or zero percent

* Includes cases with rifampin resistant disease, cases with meningeal disease, and cases less than 15 years of age with disseminated tuberculosis disease

Table 59. Tuberculosis Cases by Outcome of Therapy (Tx) and Risk Factor for Tuberculosis: California, 2010

	Cases Starting Therapy	Outcome (Reason Therapy Stopped)															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Died		Lost		Refused		Adverse Tx Effect		Other/Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	2,252	1,713	76.1	224	9.9	139	6.2	28	1.2	15	0.7	6	0.3	96	4.3	31	1.4
Diagnosed in Correctional Facility																	
No	2,181	1,670	76.6	218	10.0	137	6.3	25	1.1	15	0.7	6	0.3	80	3.7	30	1.4
Yes	71	43	60.6	6	8.5	2	2.8	3	4.2	-	-	-	-	16	22.5	1	1.4
<i>Federal Prison</i>	15	10	66.7	2	13.3	-	-	1	6.7	-	-	-	-	2	13.3	-	-
<i>State Prison</i>	17	10	58.8	3	17.6	1	5.9	1	5.9	-	-	-	-	1	5.9	1	5.9
<i>Local Jail</i>	17	12	70.6	1	5.9	1	5.9	-	-	-	-	-	-	3	17.6	-	-
<i>Juvenile Facility</i>	1	-	-	-	-	-	-	-	-	-	-	-	-	1	100.0	-	-
<i>Other/Unknown</i>	21	11	52.4	-	-	-	-	1	4.8	-	-	-	-	9	42.9	-	-
Diagnosed in Long-term Care Facility																	
No	2,198	1,686	76.7	219	10.0	120	5.5	28	1.3	14	0.6	6	0.3	95	4.3	30	1.4
Yes	54	27	50.0	5	9.3	19	35.2	-	-	1	1.9	-	-	1	1.9	1	1.9
Excess Alcohol Use																	
No	2,058	1,582	76.9	205	10.0	117	5.7	23	1.1	12	0.6	6	0.3	87	4.2	26	1.3
Yes	169	121	71.6	15	8.9	14	8.3	5	3.0	3	1.8	-	-	8	4.7	3	1.8
Unknown	25	10	40.0	4	16.0	8	32.0	-	-	-	-	-	-	1	4.0	2	8.0
Homeless																	
No	2,149	1,639	76.3	216	10.1	132	6.1	25	1.2	14	0.7	6	0.3	90	4.2	27	1.3
Yes	98	72	73.5	8	8.2	6	6.1	3	3.1	1	1.0	-	-	6	6.1	2	2.0
Unknown	5	2	40.0	-	-	1	20.0	-	-	-	-	-	-	-	-	2	40.0
Injecting Drug Use																	
No	2,214	1,693	76.5	219	9.9	130	5.9	27	1.2	15	0.7	6	0.3	95	4.3	29	1.3
Yes	24	17	70.8	2	8.3	2	8.3	1	4.2	-	-	-	-	-	-	2	8.3
Unknown	14	3	21.4	3	21.4	7	50.0	-	-	-	-	-	-	1	7.1	-	-
Non-Injecting Drug Use																	
No	2,099	1,615	76.9	203	9.7	127	6.1	21	1.0	14	0.7	6	0.3	86	4.1	27	1.3
Yes	134	91	67.9	18	13.4	5	3.7	7	5.2	1	0.7	-	-	9	6.7	3	2.2
Unknown	19	7	36.8	3	15.8	7	36.8	-	-	-	-	-	-	1	5.3	1	5.3

- Indicates zero cases or zero percent

Table 60. Outcome in Tuberculosis Cases for Whom One Year or Less of Therapy (Tx) was Indicated*, by Risk Factor for Tuberculosis: California, 2010

	Cases Starting Therapy	Outcome (Reason Therapy Stopped)															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Died		Lost		Refused		Adverse Tx Effect		Other/Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	2,224	1,713	77.0	204	9.2	138	6.2	28	1.3	15	0.7	5	0.2	91	4.1	30	1.3
Diagnosed in Correctional Facility																	
No	2,154	1,670	77.5	198	9.2	136	6.3	25	1.2	15	0.7	5	0.2	76	3.5	29	1.3
Yes	70	43	61.4	6	8.6	2	2.9	3	4.3	-	-	-	-	15	21.4	1	1.4
<i>Federal Prison</i>	14	10	71.4	2	14.3	-	-	1	7.1	-	-	-	-	1	7.1	-	-
<i>State Prison</i>	17	10	58.8	3	17.6	1	5.9	1	5.9	-	-	-	-	1	5.9	1	5.9
<i>Local Jail</i>	17	12	70.6	1	5.9	1	5.9	-	-	-	-	-	-	3	17.6	-	-
<i>Juvenile Facility</i>	1	-	-	-	-	-	-	-	-	-	-	-	-	1	100.0	-	-
<i>Other/Unknown</i>	21	11	52.4	-	-	-	-	1	4.8	-	-	-	-	9	42.9	-	-
Diagnosed in Long-term Care Facility																	
No	2,170	1,686	77.7	199	9.2	119	5.5	28	1.3	14	0.6	5	0.2	90	4.1	29	1.3
Yes	54	27	50.0	5	9.3	19	35.2	-	-	1	1.9	-	-	1	1.9	1	1.9
Excess Alcohol Use																	
No	2,031	1,582	77.9	185	9.1	116	5.7	23	1.1	12	0.6	5	0.2	83	4.1	25	1.2
Yes	168	121	72.0	15	8.9	14	8.3	5	3.0	3	1.8	-	-	7	4.2	3	1.8
Unknown	25	10	40.0	4	16.0	8	32.0	-	-	-	-	-	-	1	4.0	2	8.0
Homeless																	
No	2,121	1,639	77.3	196	9.2	131	6.2	25	1.2	14	0.7	5	0.2	85	4.0	26	1.2
Yes	98	72	73.5	8	8.2	6	6.1	3	3.1	1	1.0	-	-	6	6.1	2	2.0
Unknown	5	2	40.0	-	-	1	20.0	-	-	-	-	-	-	-	-	2	40.0
Injecting Drug Use																	
No	2,186	1,693	77.4	199	9.1	129	5.9	27	1.2	15	0.7	5	0.2	90	4.1	28	1.3
Yes	24	17	70.8	2	8.3	2	8.3	1	4.2	-	-	-	-	-	-	2	8.3
Unknown	14	3	21.4	3	21.4	7	50.0	-	-	-	-	-	-	1	7.1	-	-
Non-Injecting Drug Use																	
No	2,071	1,615	78.0	183	8.8	126	6.1	21	1.0	14	0.7	5	0.2	81	3.9	26	1.3
Yes	134	91	67.9	18	13.4	5	3.7	7	5.2	1	0.7	-	-	9	6.7	3	2.2
Unknown	19	7	36.8	3	15.8	7	36.8	-	-	-	-	-	-	1	5.3	1	5.3

- Indicates zero cases or zero percent

* Excludes cases with rifampin resistant disease, cases with meningeal disease, and cases less than 15 years of age with disseminated tuberculosis disease

Figure 1. Number of Tuberculosis Cases: California, 1930-2012

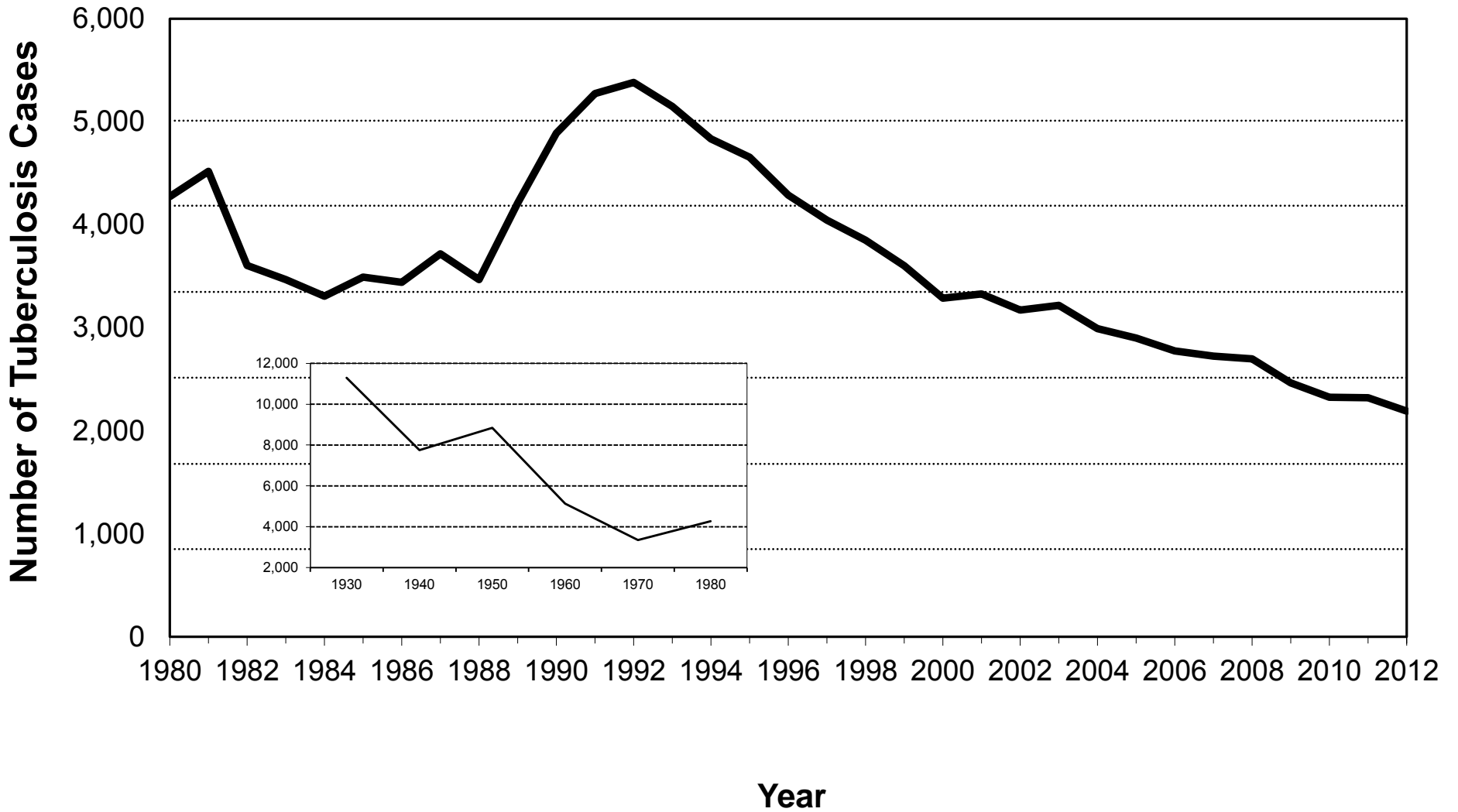


Figure 2. Number of Tuberculosis Cases and Case Rates: California, 2003-2012

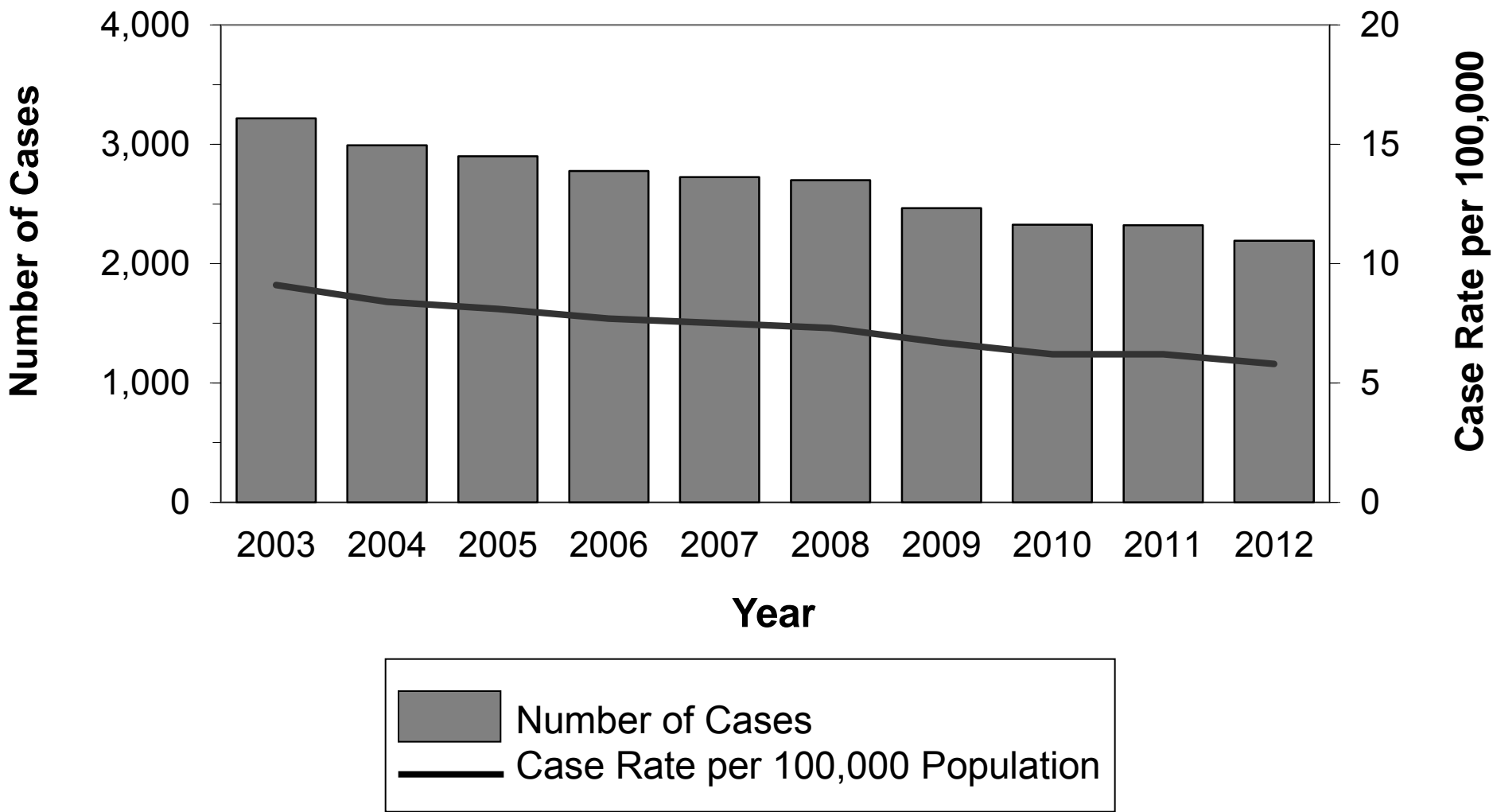


Figure 3. Tuberculosis Cases by Race/Ethnicity: California, 2012

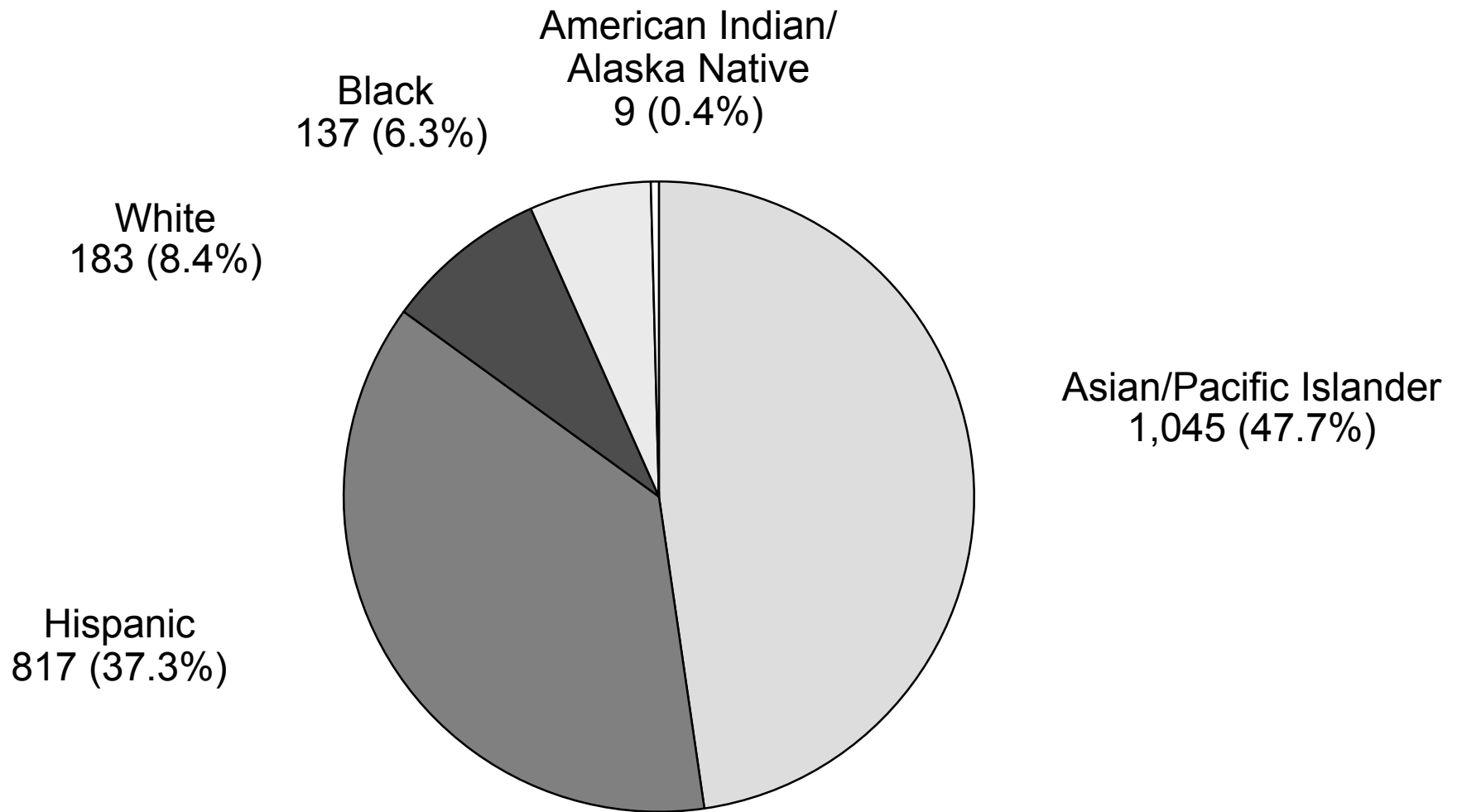


Figure 4. Tuberculosis Case Rates by Race/Ethnicity: California, 2003-2012

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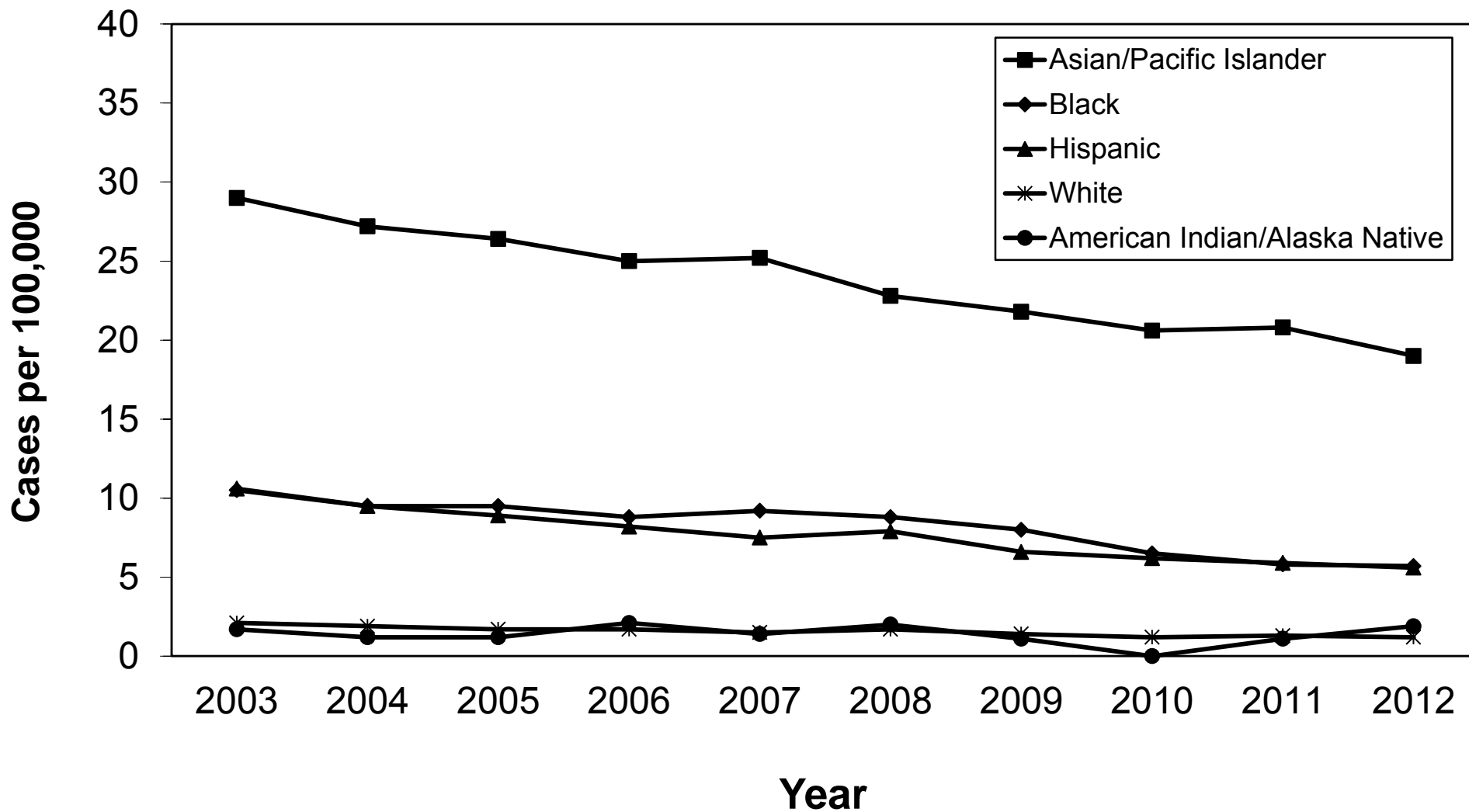


Figure 5. Tuberculosis Cases in Foreign-born and U.S.-born Persons: California, 2003-2012

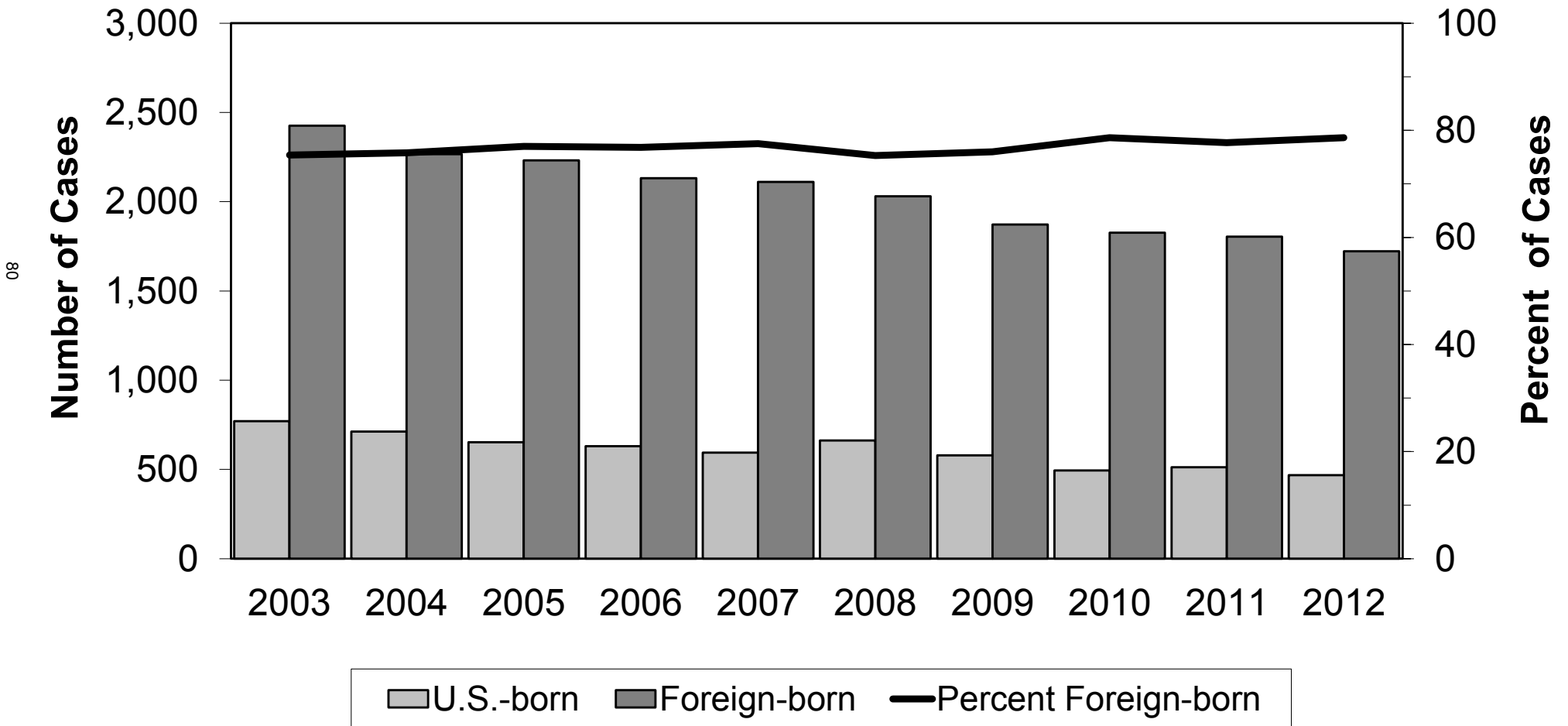


Figure 6. Tuberculosis Cases by Country of Origin: California, 2012

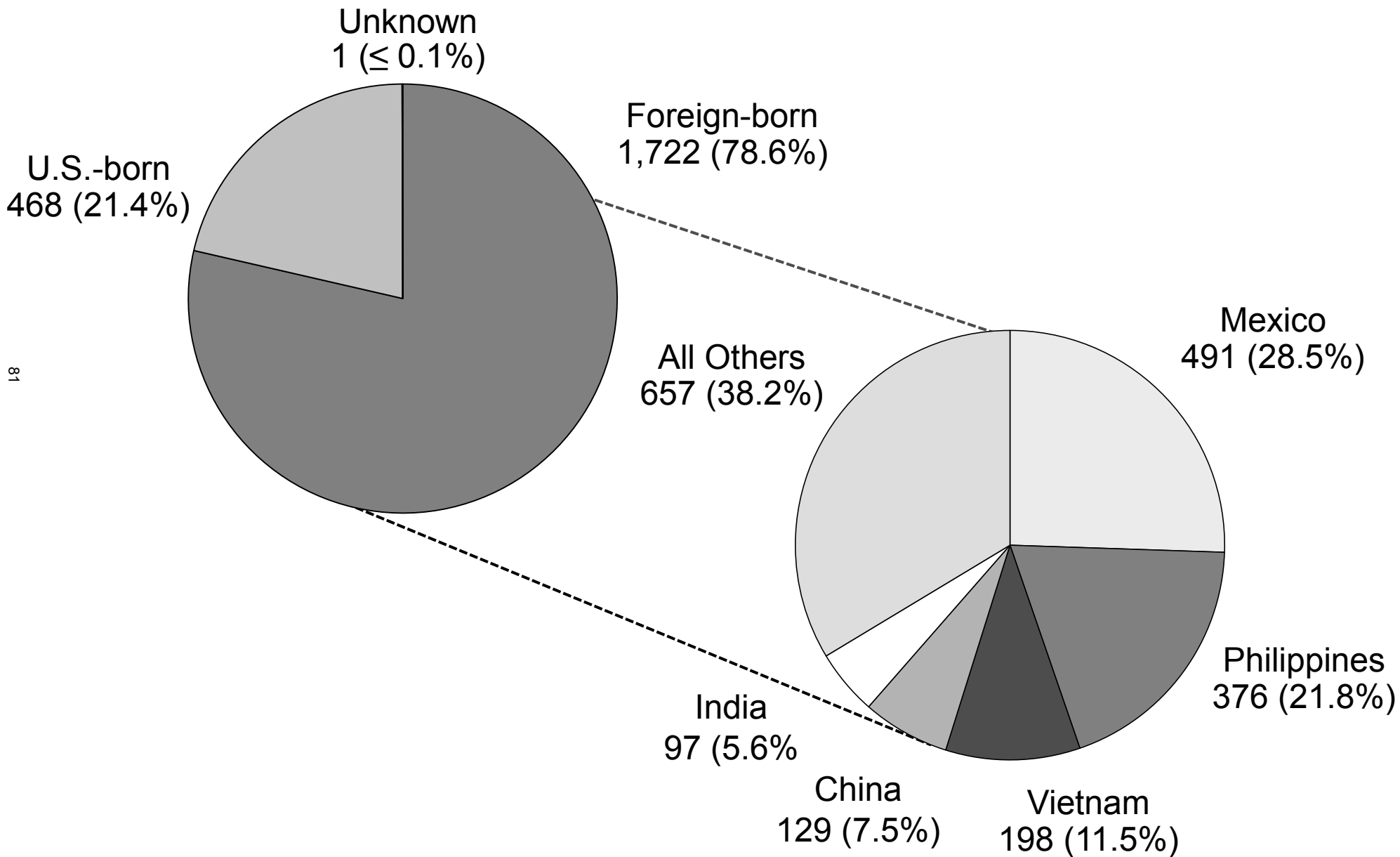


Figure 7. Tuberculosis Cases in Persons 0-4 Years of Age: California, 2003-2012

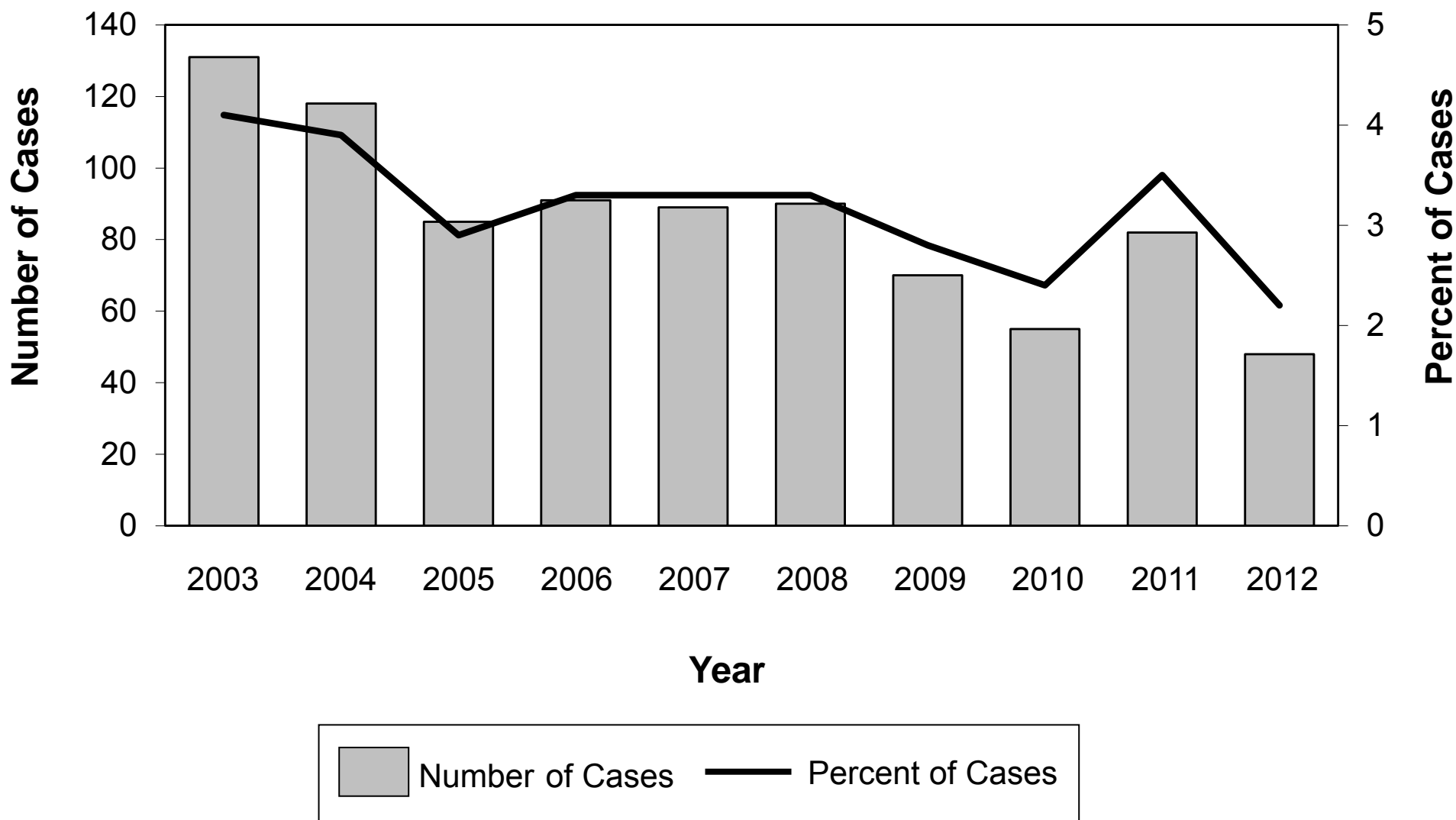
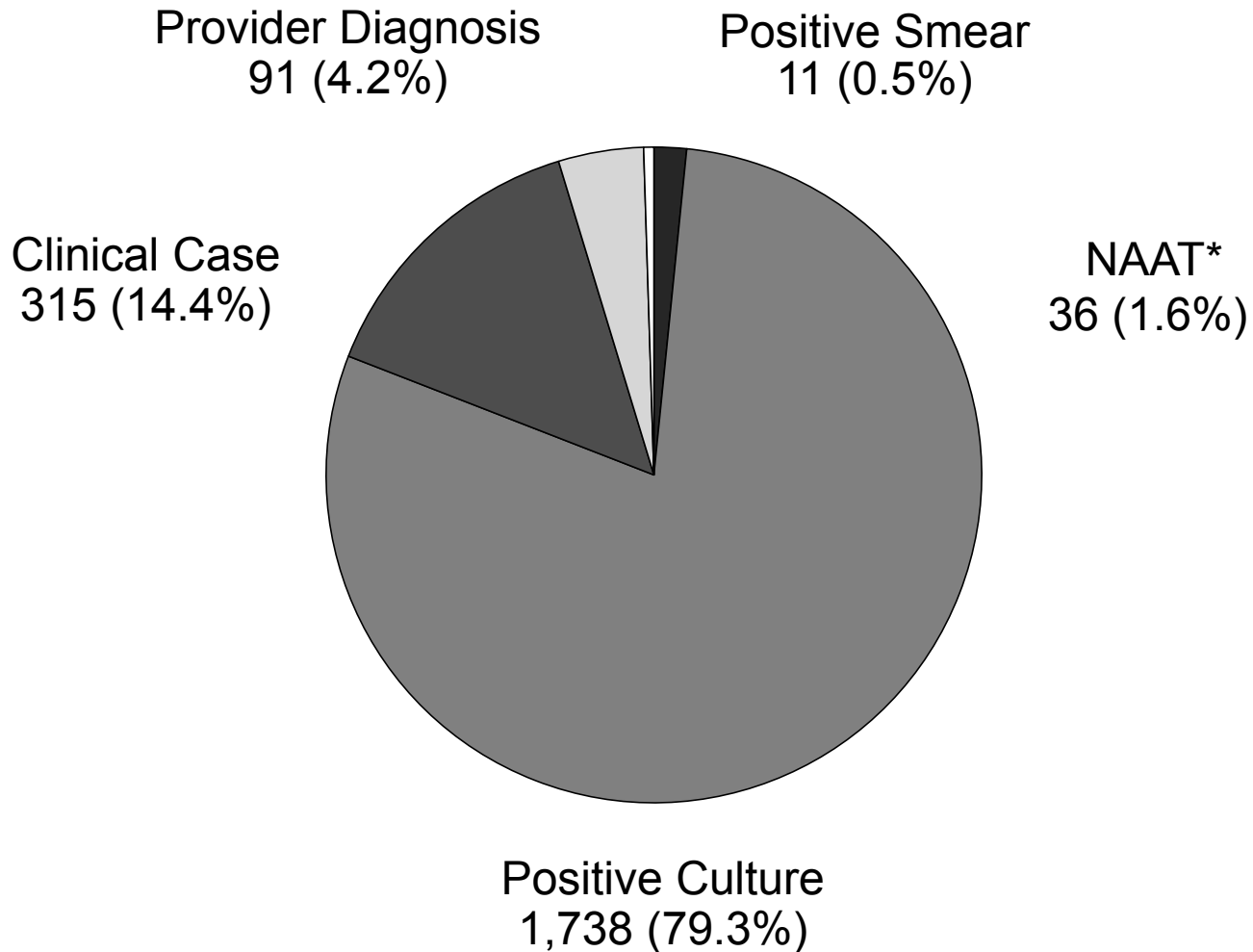


Figure 8. Tuberculosis Cases by Verification Criteria: California, 2012



*NAAT= Nucleic Acid Amplification Test

Figure 9. Deaths in Persons with Tuberculosis: California, 2001-2010

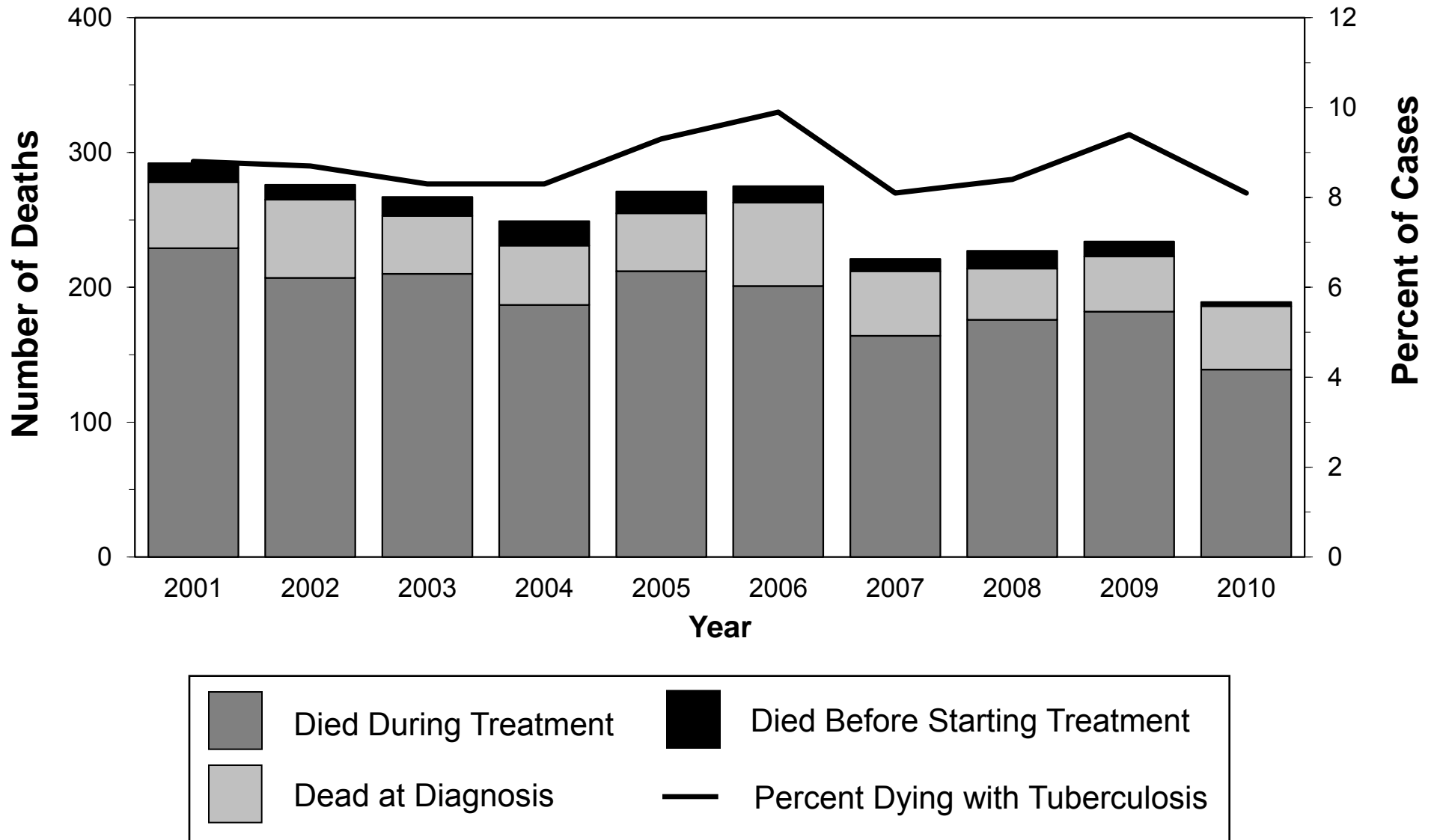
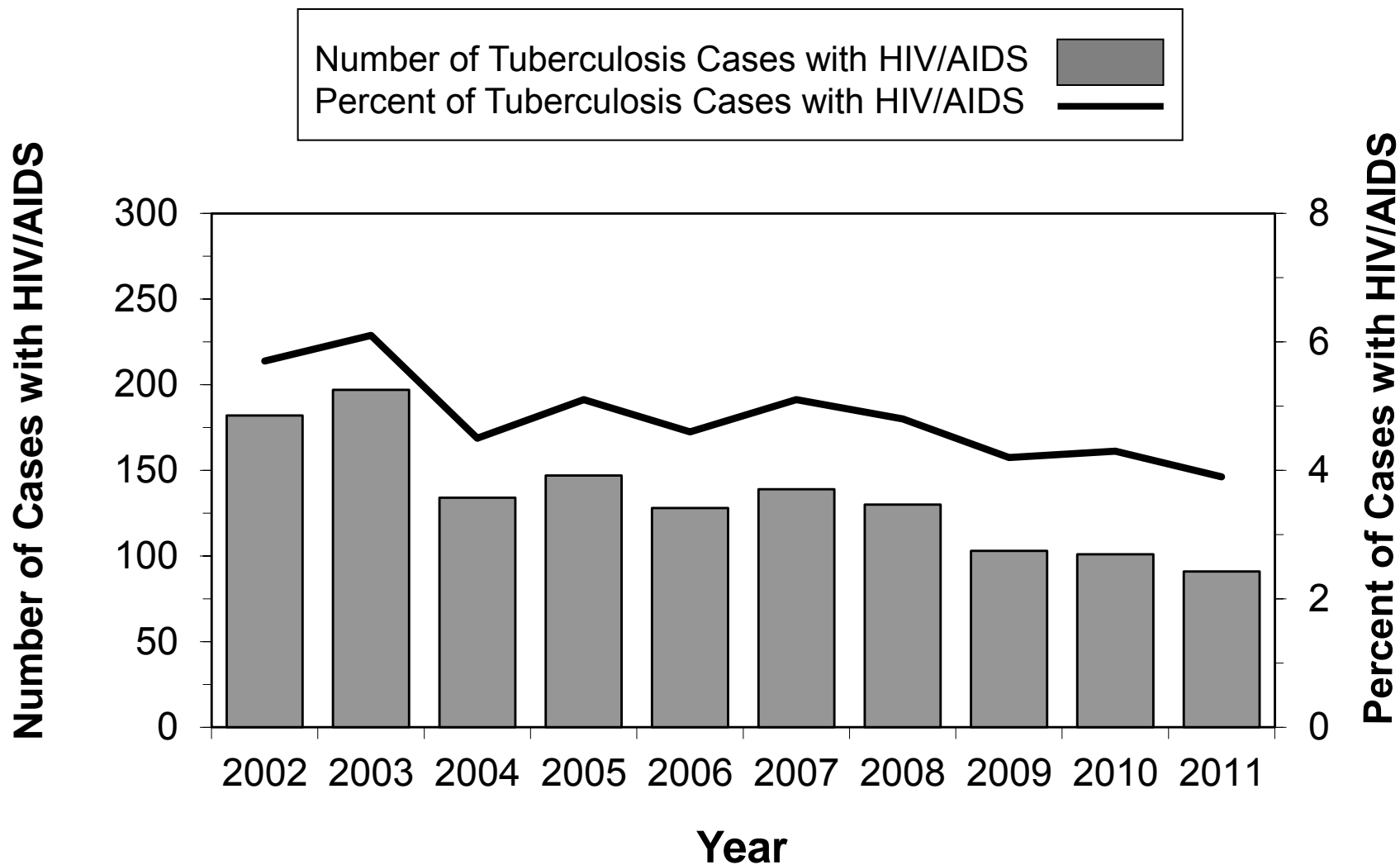
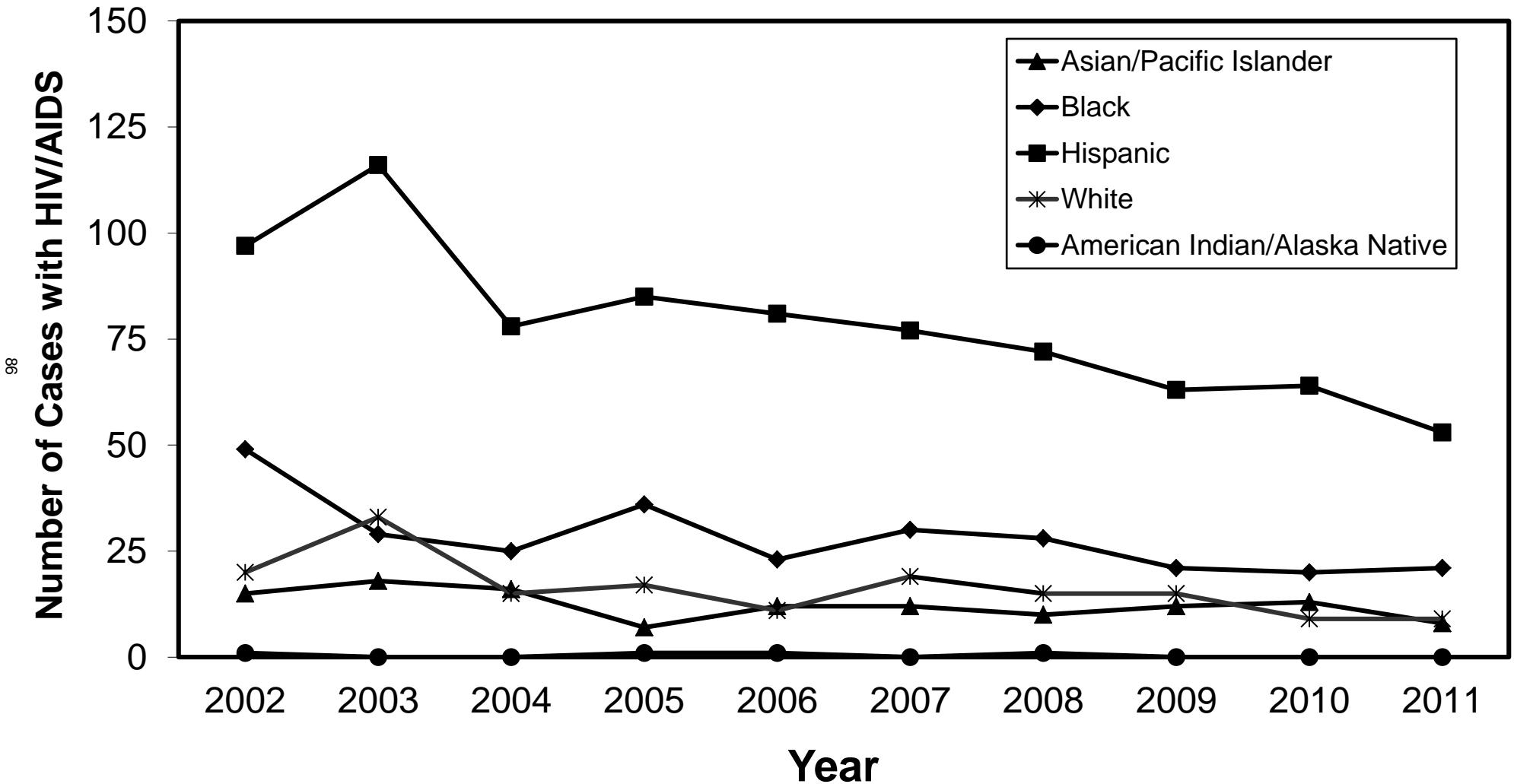


Figure 10. Tuberculosis Cases by HIV/AIDS Diagnosis*: California, 2002-2011



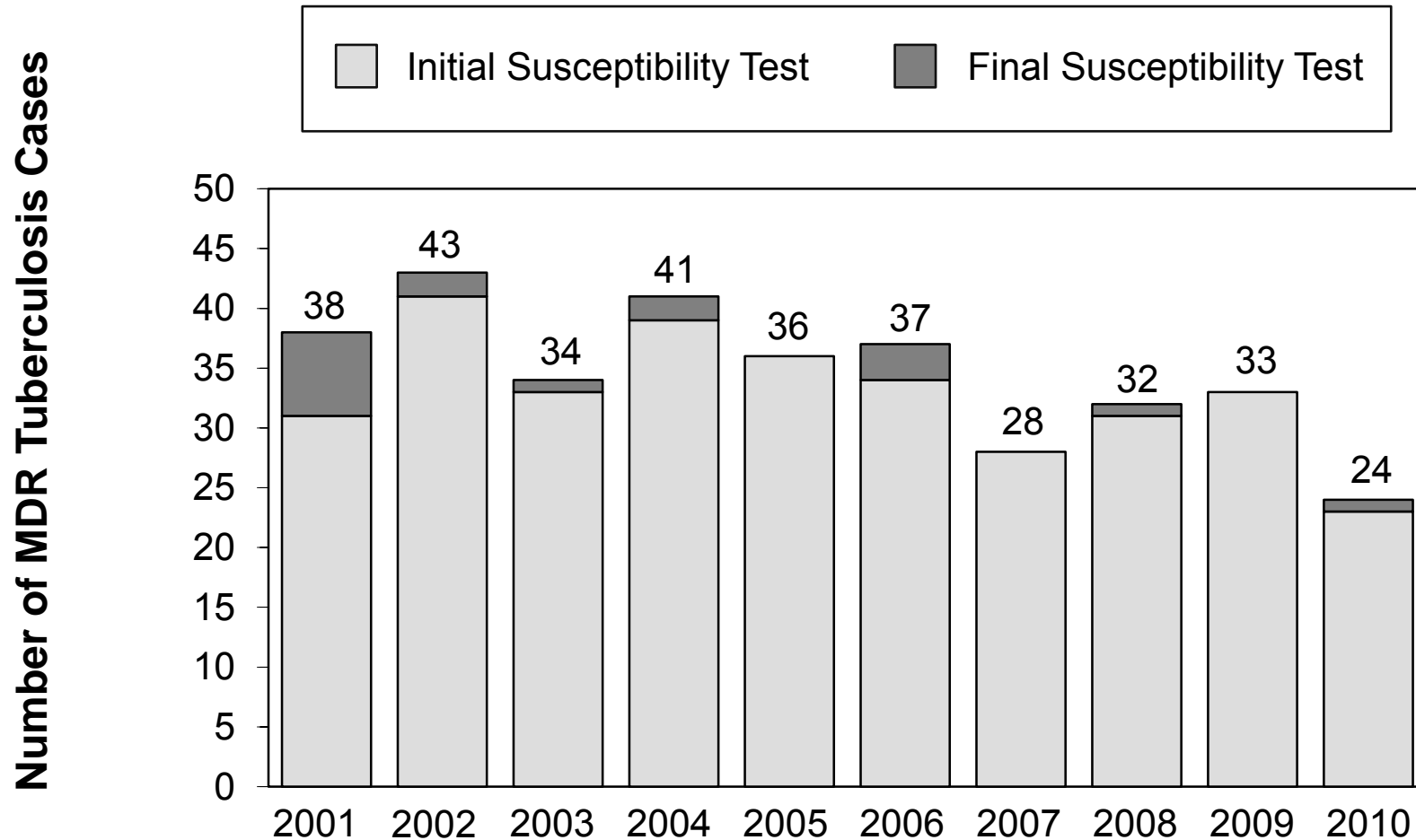
* Match found in HIV/AIDS Registry, California Office of AIDS

Figure 11. HIV/AIDS-associated Tuberculosis* by Race/Ethnicity: California, 2002-2011



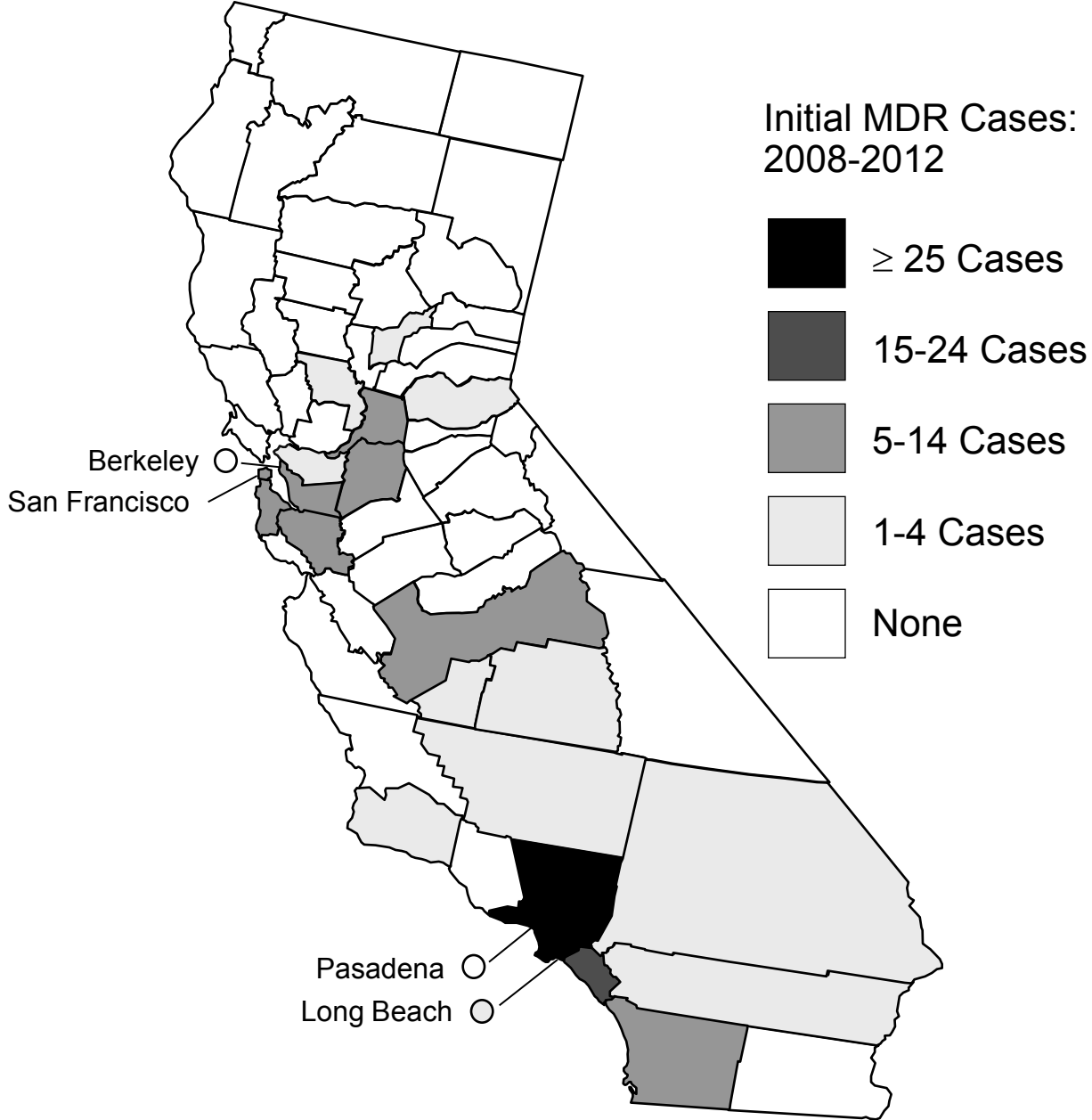
* Match found in HIV/AIDS Registry, California Office of AIDS

Figure 12. Tuberculosis Cases with Multidrug Resistance (MDR) on Initial or Final Drug Susceptibility Testing*: California, 2001-2010



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

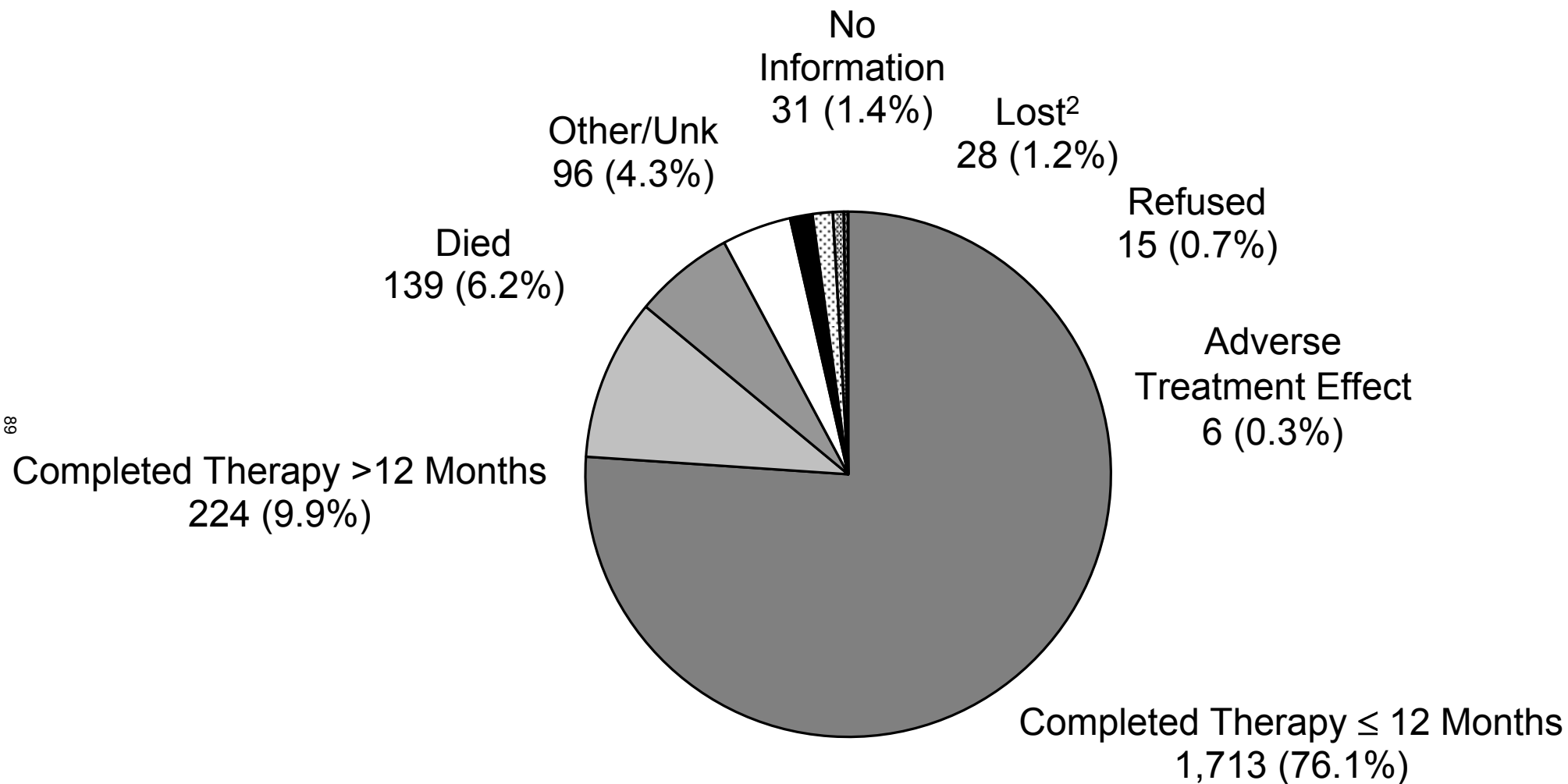
Figure 13. Tuberculosis Cases with Initial Multidrug Resistance (MDR)*: California, 2008-2012



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*Cases with initial drug resistance to at least isoniazid and rifampin

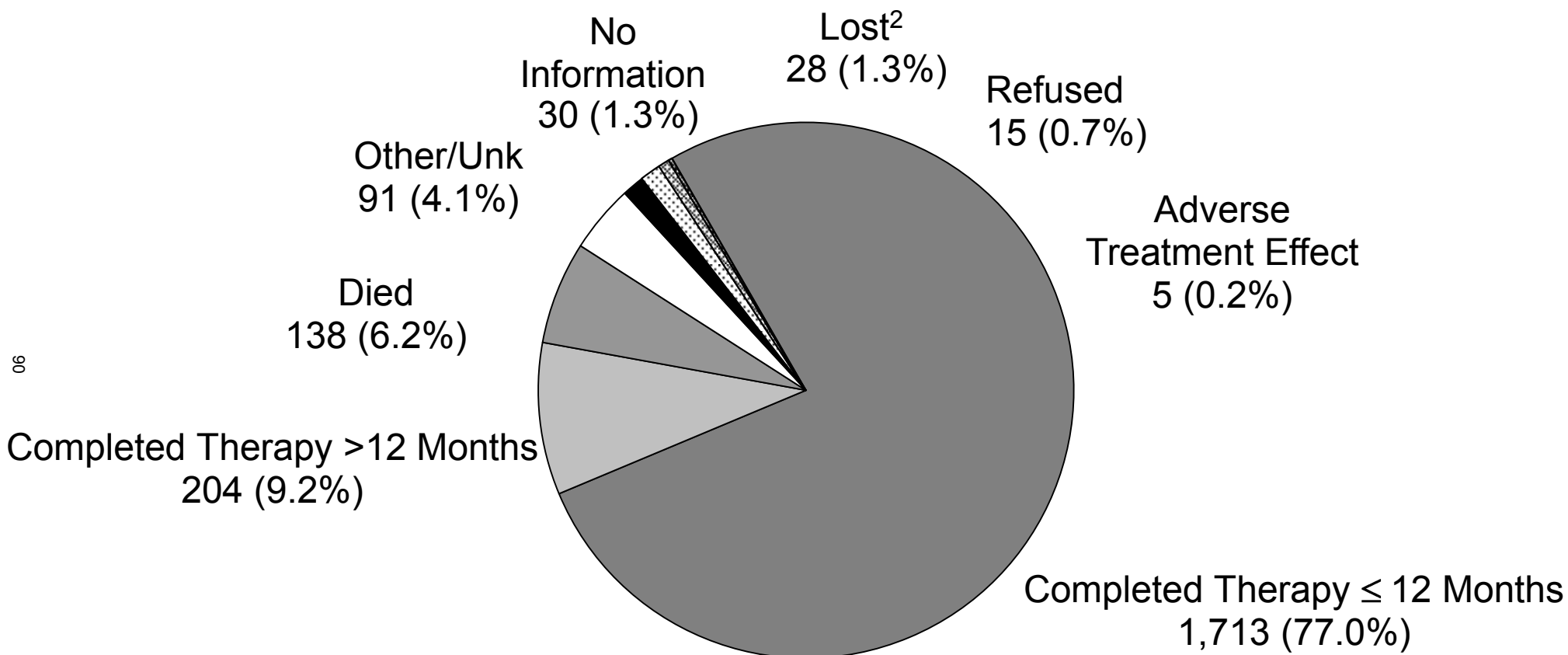
Figure 14. Tuberculosis Cases¹ by Outcome of Therapy: California, 2010



¹ Patient was alive at diagnosis and started on an initial drug regimen of two or more drugs.

² Patient could not be located prior to the completion of treatment.

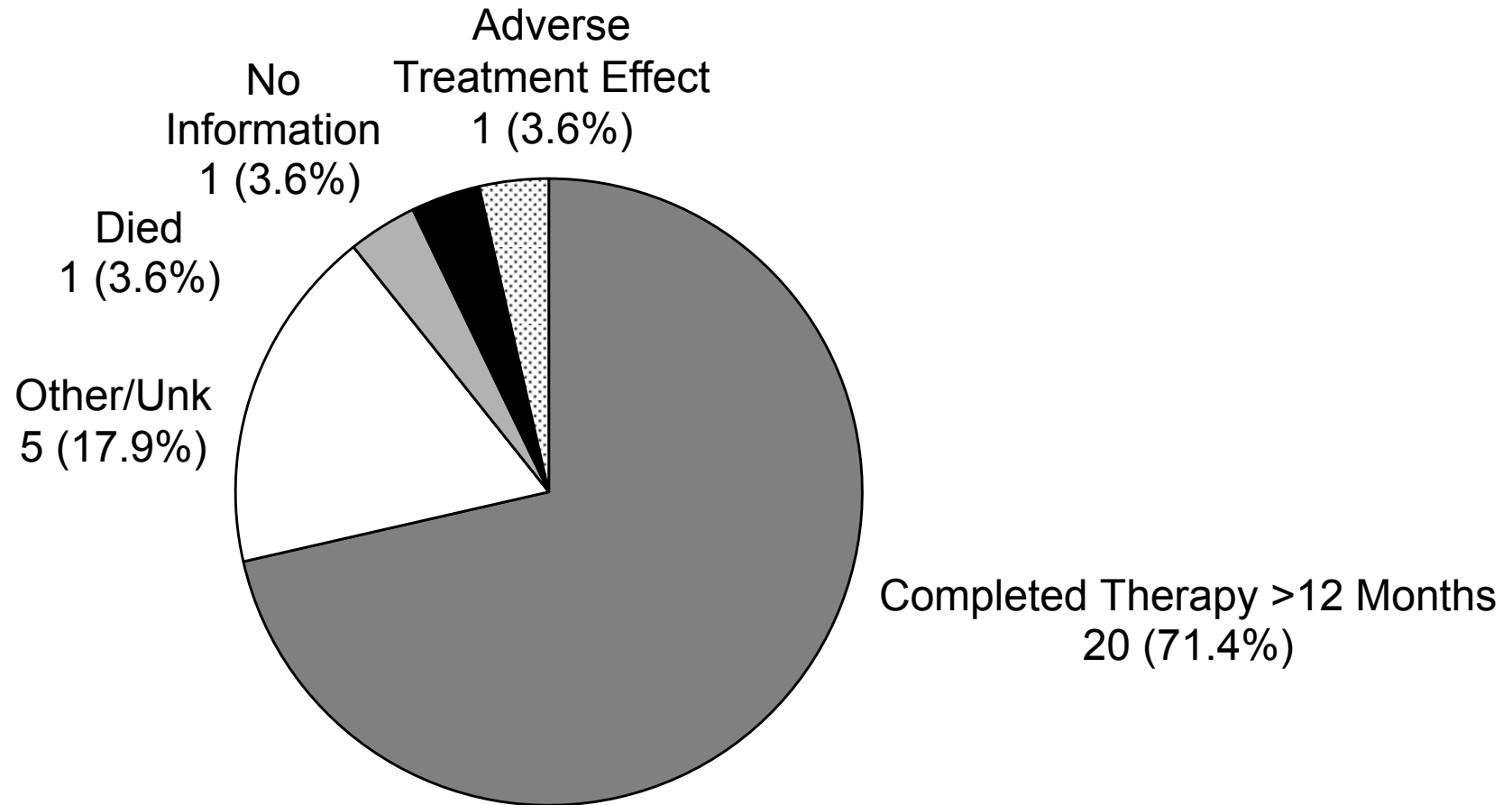
Figure 15. Outcome in Tuberculosis Cases for Whom One Year or Less of Treatment was Indicated¹: California, 2010



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

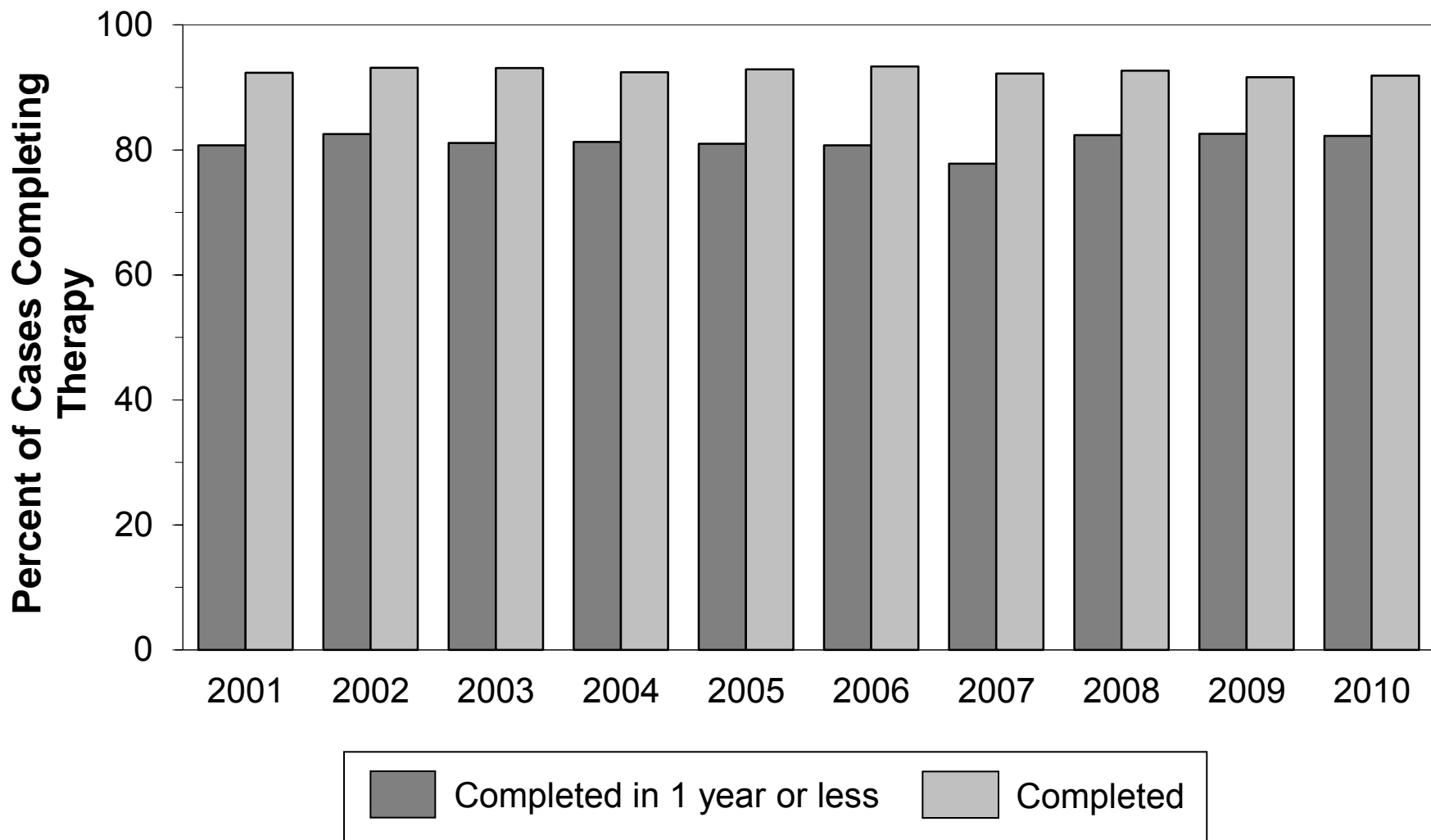
² Patient could not be located prior to the completion of treatment.

Figure 16. Outcome in Tuberculosis Cases for Whom Greater than One Year of Treatment was Indicated¹: California, 2010



¹ Includes cases with rifampin resistant disease, cases with meningeal disease, and cases less than 15 years of age with disseminated tuberculosis disease

Figure 17. Completion of Tuberculosis Therapy¹: California, 2001-2010



¹ 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

Technical Notes

Reporting Jurisdictions

California has 61 jurisdictions that report 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. Since 1993, local health jurisdictions have used the Report of Verified Case of Tuberculosis (RVCT) form to report TB cases; an expanded and updated version of this form was implemented in California in 2010. California cleans, compiles and analyzes these data for state and local use, and also reports these data to CDC.

TB Cases

A TB case submitted to the TBCB Registry by January 16, 2013 was included as a 2012 case in this report if the case was confirmed as active TB between January 1 and December 31, 2012. 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, usually by a small number of cases.

Population Data

State and county population totals, and data by age, sex, and race/ethnicity 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 2009; *California and its Counties Population by Age, Race/Hispanics, and Gender: 2000-2010*, March 2013; and *P-3 Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060*, January 2013.

Population data for the cities of Berkeley, Long Beach, and Pasadena are from: State of California, Department of Finance, *E-4 Historical Population Estimates for Cities, Counties, and the State* series and *E-1 City/County Population Estimates with Annual Percent Change, January 1, 2012 and 2013*. Populations for the cities of Berkeley, Long Beach and Pasadena were calculated by applying the proportion of each city population to the E-2/E-4 county total, to its county total population from sources specified in paragraph above. Population totals for the jurisdiction of Alameda were then calculated by subtracting Berkeley calculated population from Alameda County total; population total for the jurisdiction of Los Angeles was calculated by subtracting Long Beach and Pasadena calculated populations from Los Angeles County total.

Use of revised population data for 2001-2012 and updated case numbers resulted in TB rates which vary slightly for some years compared to those published in previous reports.

Population data used to calculate rates of TB among foreign-born and U.S.-born persons are from the United States Census Bureau's *American Community Survey* available at <http://factfinder2.census.gov>. At the time of preparation of this report, data for the current year were not available, therefore the number of foreign-born and U.S.-born persons from 2011 were also used for 2012. These rates will be updated in future reports.

For calculation of rates by racial/ethnic group, the multi-race category in the 2003-2012 population data was reallocated to a single racial/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

Although there are 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 15-20, 35, 37-45), 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 between one and four cases of TB in 2012: Amador, Butte, Calaveras, Colusa, El Dorado, Glenn, Lake, Lassen, Mendocino, Napa, San Luis Obispo, Shasta, Yolo and Yuba. The following 14 jurisdictions had no TB cases in 2012: Alpine, Del Norte, Inyo, Mariposa, Modoc, Mono, Nevada, Plumas, San Benito, Sierra, Siskiyou, Tehama, Trinity and Tuolumne.

Ranking of Jurisdictions

For Table 12, jurisdictions are ranked in order of decreasing 2012 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.

TB Case Definition and Verification Criteria

For surveillance purposes, a case of TB is defined by laboratory and clinical evidence of disease caused by *Mycobacterium tuberculosis* (*Mtb*) complex. TB cases with culture or nucleic acid amplification evidence of *Mtb*, or acid fast bacilli in a smear from a clinical specimen (when a culture cannot be obtained, or positive results are negative or contaminated) are classified as laboratory-confirmed. In the absence of laboratory confirmation, persons with a positive tuberculin skin test (TST) or positive interferon gamma release assay (IGRA) for *Mtb*, abnormal chest imaging (in those with pulmonary disease), and treatment with two or more anti-TB medications will be classified as clinically-confirmed TB. Reported cases not meeting one or more of the clinical criteria for TB are classified as provider-diagnosed cases because the health care provider has determined there is sufficient evidence of active TB disease to report the case.

The following hierarchy is applied in determining the verification criteria for TB disease (Table 24):

1. Positive culture for *Mtb*
2. Positive nucleic acid amplification test
3. Positive acid-fast bacilli test
4. Clinical case confirmation
5. Provider diagnosis

Race and 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) mandated 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. Individuals reporting more than one race are presented in Table 18. In all other tables presenting race/ethnicity, cases were reassigned to a single racial/ethnic group based on the “Smallest Group” method, in which responses that include white and any another group were assigned to the other group, and responses with two or more racial groups other than white were assigned to the group with the fewest number of individuals identifying that group as a single race.

In 2012, there were 1,028 persons with TB in California reported as Asian only (not Hispanic), and 14 persons reported as Pacific Islander or Native Hawaiian only (not Hispanic). In tables where data on race/ethnicity are presented (except Table 18) these persons are combined in the Asian/Pacific Islander race/ethnic group, in order to provide comparability to previous years’ data. In addition, there were six non-Hispanic persons reporting more than one race category in 2012. Two persons reported as white and American Indian/Alaska native and one person reported as Asian and American Indian/Alaska native were included in the American Indian/Alaska native group. Two persons reported as white and Asian, and one person reported as Asian and Native Hawaiian/Pacific Islander were included in the Asian/Pacific Islander group.

HIV/AIDS Status

In 2011, California implemented reporting of human immunodeficiency virus (HIV) status of TB cases on the RVCT (Table 36). Since 1993, TB cases co-infected with HIV, and reported with HIV or acquired immunodeficiency syndrome (AIDS) are also identified by matching TBCB Registry data with the HIV/AIDS case registry in the California Department of Public Health, Office of AIDS. At the time of this report, the match results were available through 2011 (Tables 11, 35, Figures 10, 11).

Primary Reason for TB Evaluation

The primary reason for a patient’s initial evaluation for TB was added to the TB case report form in 2010. Because multiple factors may be present at the time of a person’s initial TB evaluation (e.g., a person with TB symptoms evaluated during the course of a contact investigation of a family member), and only the primary reason may be reported, the following definitions and hierarchies are applied.

TB symptoms: the person sought evaluation because of signs or symptoms of TB disease (e.g., persistent cough, fever, lymphadenopathy, night sweats, weight loss or symptoms of extra-pulmonary disease).

Abnormal chest image: the initial chest radiograph was consistent with TB disease, and was performed for a reason other than suspicion of TB disease. If the radiograph was performed following a positive TST or IGRA result obtained during targeted testing, “Targeted Testing” is considered to be the primary reason the patient was evaluated for TB.

Contact investigation: the person’s TB was identified during the course of a contact investigation or source case finding, regardless of whether the person was symptomatic at the time.

Targeted testing: a positive TST or IGRA result was obtained during a screening performed specifically because the person was considered to be at high risk for TB. However, health care worker or employment/administrative testing, contact investigation, and immigration medical exam supersede targeted testing as the primary reason a patient was evaluated, when one of those situations is applicable.

Health care worker: a positive TST or IGRA result was obtained during the course of routine screening of health care workers. Health care worker supersedes targeted testing and employment/administrative testing. However, evaluation of health care workers for other reasons (e.g., TB symptoms or contact investigation) supersedes health care worker.

Employment/administrative testing: persons whose TB testing was performed before or periodically during employment to meet administrative requirements. If employment was health-care, “health care worker” is considered the primary reason the patient was evaluated.

Immigration medical exam: TB disease was found during a medical examination that was part of the immigration requirement process that is mandatory for certain categories of U.S. entrants (e.g., immigrant, refugee, asylee).

Incidental lab result: the clinical evaluation was for something other than TB. Specimens were collected and submitted for evaluation of TB and other diseases for diagnostic completeness, but TB was not expected.

Risk Factors for TB

In 2010, reporting of certain additional medical and epidemiologic risk factors began. Persons with medical co-morbidities such as diabetes mellitus, end-stage renal disease, organ transplantation, tumor necrosis factor (TNF) alpha antagonist therapy, or other immunosuppressive medications which suppress a patient’s immune response have a higher risk of TB; these new data will provide a better understanding of these high-risk groups (Table 37).

Non-medical epidemiologic risks for TB (Table 38) include contact to an MDR TB case, or to an infectious TB patient. If the patient was a contact to an MDR case, he/she should be reported as “contact of MDR case,” rather than “contact of infectious case.” The association with the MDR case must be within the last two years. A case should be reported as a missed contact if the current case was identified as a contact of a known TB patient (within 2 years of current diagnosis), but was not identified or evaluated at that time. Incomplete LTBI treatment includes patients who started treatment for a previous diagnosis of LTBI, but did not complete the regimen.

Immigration Status at First Entry to the U.S.

Information on the immigration status of cases born outside the United States was added to the TB case report form in 2010. TB patients are asked to provide their immigration status at the time they first entered the U.S. Persons entering the U.S. with no official immigration status (e.g., “undocumented” persons) are included in the “other” immigration status category, as are persons with visa types other than those specified in Table 21, and persons not required to obtain visas (such as short-term visitors from countries such as Canada that are part of the U.S. visa waiver program). In addition, some local health jurisdictions have policies in place that prohibit them from inquiring about the immigration status of patients; these cases are included in the “unknown” category.

For more detailed information on the reporting of the variables “Primary reason evaluated for TB,” “Additional risk factors for TB” and “Immigration status at first entry to the U.S.” see <http://www.cdc.gov/tb/programs/rvct/InstructionManual.pdf>.

Drug Susceptibility Reports

Tables 46-55 present the results of initial drug susceptibility testing for the most recent year (2012). 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 96 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 54, 55, Figure 12).

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

Case Completion Reports

Because the Case Completion Report (Follow-up 2) is not submitted until many months after a TB case is initially reported, data reported on cases counted in 2010 are the most recent available and are presented in this report. These data include health care provider type, directly observed therapy (DOT) and treatment outcomes (Tables 33, 34, 56-60, Figures 14-17). Data in these tables 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.

Treatment Outcomes

Categories for completion of therapy (Tables 56-60, Figures 14-17) are: completed therapy in 12 months or less (includes patients whose treatment was completed in 365 days or less); and 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” variable of the Follow-up 2.

Tables 57 and 60 and Figure 15 present outcomes of TB treatment for cases expected to complete TB therapy in one year or less. Thus, cases with rifampin-resistant disease (including MDR TB), 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 years of age with disseminated disease) are presented in Table 58 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.