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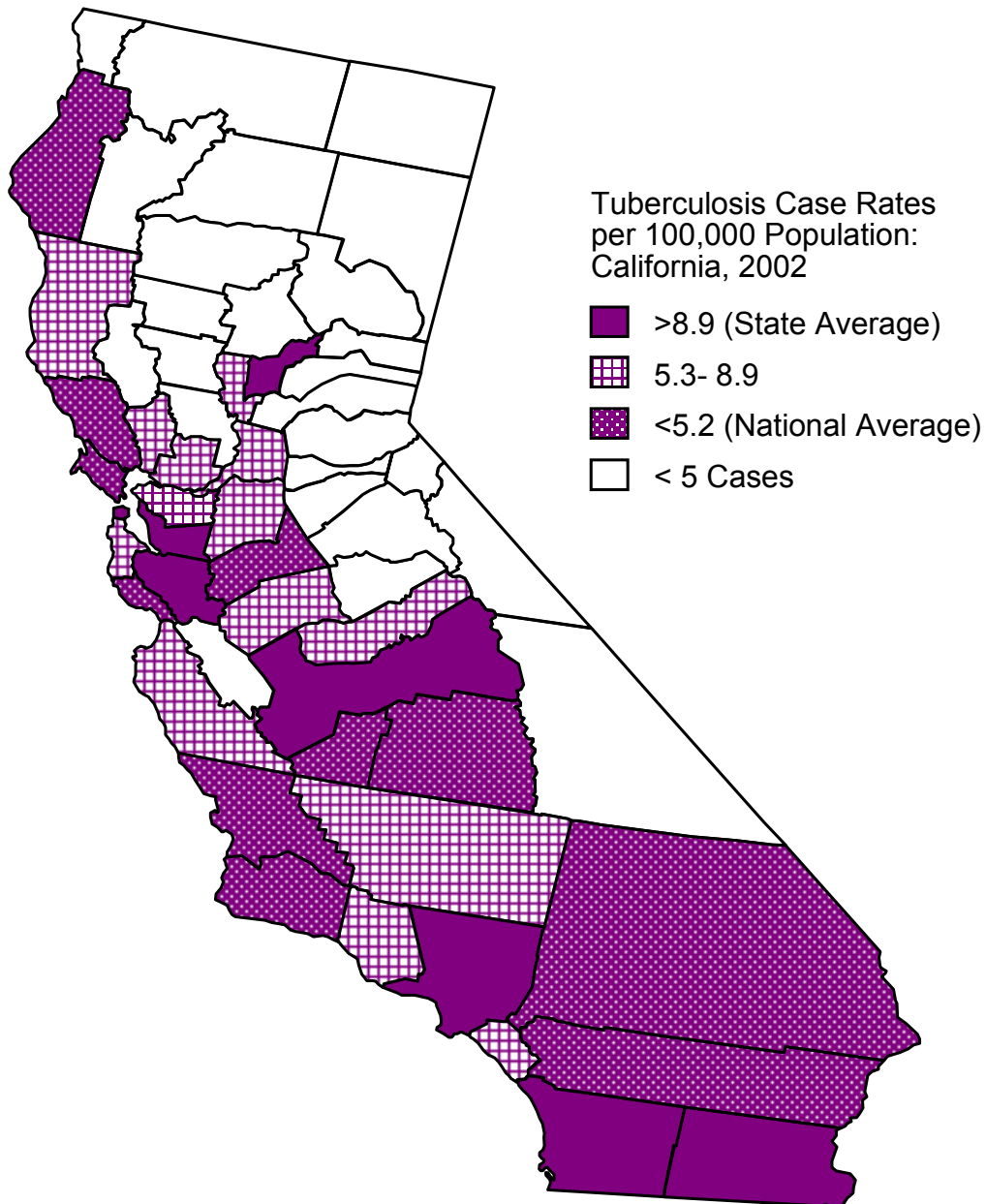
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REPORT ON TUBERCULOSIS IN CALIFORNIA, 2002



January 2004

Arnold Schwarzenegger, Governor
State of California

S. Kimberly Belshé, Secretary
California Health and Human Services Agency



Diana M. Bontá, R.N., Dr.P.H., Director
Department of Health Services



Report on Tuberculosis In California, 2002

Arnold Schwarzenegger
Governor
State of California

Department of Health Services
Division of Communicable Disease Control
Tuberculosis Control Branch
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S. Kimberly Belshé, Secretary
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California Department of Health Services
Division of Communicable Disease Control
Tuberculosis Control Branch**

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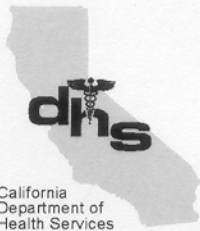
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Cover: The map illustrates tuberculosis case rates by reporting jurisdiction in 2002. Ten jurisdictions have tuberculosis case rates above the state average of 8.9 cases per 100,000 population. Eleven jurisdictions have tuberculosis case rates below the 2002 national rate of 5.2 per 100,000 population. Fifteen jurisdictions have case rates between the national and state rates (5.2 to 8.9 per 100,000 population). Case rates were not calculated for 25 jurisdictions because there were fewer than five cases in these areas. Jurisdictions of Berkeley, Long Beach, and Pasadena are not represented on the map.



California
Department of
Health Services
DIANA M. BONTÁ, R.N., Dr. P.H.
Director

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



ARNOLD SCHWARZENEGGER
Governor

January 7, 2004

Dear Colleague:

Following a slight increase the previous year, 2002 marked a return to the decline in tuberculosis (TB) case numbers which began in 1992, the peak of the TB epidemic. The number of cases reported in 2002 (n=3,169) is also the lowest ever recorded in the state. Despite this success, California continues to contribute the largest number of cases (21 percent) and the second highest rate (8.9 per 100,000 population) of TB in the United States.

Despite the overall decline in TB in California, significant challenges remain. In 2002, multi-drug resistant tuberculosis increased by 37 percent over 2001. Despite an increase in patients receiving at least some directly observed therapy, the proportion of drug-sensitive patients completing treatment in one year or less fell slightly. The overall decline in case numbers and rates also masks ongoing disparities among race/ethnic groups, and between persons born in the United States and persons who are foreign-born. The Tuberculosis Control Branch is committed to addressing these and other important public health issues in collaboration with its local and national partners.

I am pleased to present this seventh annual Report on TB in California. I hope you will find it useful in your work. To all of you who work to battle tuberculosis, I extend my deepest thanks.

Sincerely,

Sarah E. Royce, M.D., M.P.H., Chief
Tuberculosis Control Branch
Division of Communicable Disease Control

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Introduction

Reportable cases of tuberculosis (TB) are submitted to the TB Control Branch (TBCB), California Department of Health Services, by the 61 local health jurisdictions (58 counties, and the cities of Berkeley, Long Beach, and Pasadena). In 1993, the Centers for Disease Control and Prevention (CDC), in conjunction with state and local health departments, began using the expanded Report of Verified Case of Tuberculosis (RVCT) to collect information on each case of TB. In addition to the demographic and clinical features of TB that were previously collected, the RVCT includes information on drug resistance, risk factors for tuberculosis, and treatment outcomes. In 1998, CDC implemented the Tuberculosis Information Management System (TIMS) for data entry and transmission of case reports. Today, TIMS is in use in the 19 largest jurisdictions, allowing 93 percent of TB cases to be reported electronically to TBCB. TBCB is currently developing a web-based surveillance system that will allow all jurisdictions in California to submit TB cases and access their local data on-line.

Acknowledgement

The 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. We also thank Nicole Santiago of Savvy Bee Consulting for her technical work in producing the tables for this report.

Executive Summary

In 2002, 3,169 cases of tuberculosis (TB) were reported in California, the lowest case count ever recorded. Following the slight increase in cases seen in 2001, this number represents a return to the decline in cases that began following the epidemic peak in 1992. However, California continues to contribute the greatest number of cases to the nation's total TB morbidity. Of 15,078 cases of TB reported in the United States in 2002, California contributed 21 percent. And, although the case rate in California has declined 49 percent since 1992, at 8.9 cases per 100,000, the state continues to have the second highest rate of TB in the nation. The rate of tuberculosis in the United States in 2002 was 5.2 cases per 100,000 population.

The decline in TB in California represents major successes in state and local efforts to control and prevent tuberculosis throughout the state. However, the epidemiology of TB in subpopulations in California highlights areas where TB continues to pose an ongoing threat to the public's health.

Geographic Distribution

In 2002, TB was reported in 43 of 61 (70 percent) local health jurisdictions in California. Eighteen jurisdictions had an increase in TB cases over 2001 (Table 13). While 93 percent of California's cases were reported in the 19 largest health jurisdictions, the remaining cases reported in rural and small health jurisdictions (RSHJ) represent a significant challenge to local TB programs where expertise and resources to detect and treat TB may be less available. The California Tuberculosis Advisory Committee in conjunction with the California Department of Health Services, Tuberculosis Control Branch (TBCB) is implementing a statewide strategic plan in order to ensure basic TB control infrastructure in the RSHJ.

Demographic Characteristics of TB Cases

Among race/ethnic groups, only Hispanics experienced an increase in TB cases in 2002 (Table 2). Hispanics and Asian/Pacific Islanders each contributed approximately 40 percent to the state's total. Large disparities in TB rates continue to exist among race/ethnic groups. Asian/Pacific Islanders had a rate of 30.0 cases per 100,000 population, followed by Black, Non-Hispanics (11.7), Hispanics (11.2), American Indian/Alaska Natives (3.3), and White, Non-Hispanics (1.8) (Table 3). Of note, a decline in case rates has occurred for all race/ethnic groups since 2001.

Individuals born outside the United States accounted for over 75 percent of the cases of TB in California in 2002 (Table 2). The majority of cases were from Mexico (n=812), followed by the Philippines (n=474), Vietnam (n=276), China (n=143) and India (n=115) (Table 10). The number and percent of Mexican-born cases increased between 2001 and 2002 (n=791 (24%) and n=812 (26%) respectively) (Table 2). National, state, and local efforts to improve TB control in Mexican-born persons include Cure-TB (a San Diego-based referral service to ensure continuity of care for patients

who move across the U.S.-Mexico border), and the Bi-national Card (a portable medical record which includes vital clinical, laboratory, and treatment information for TB patients).

Twenty-one percent of foreign-born cases are identified within one year of the patient's arrival in the United States (Table 10). The CDC's Division of Global Migration and Quarantine is currently implementing an electronic notification system for immigrants and refugees entering the U.S. with suspected TB (B1/B2 status), which will enhance domestic follow-up evaluation and reporting on this group.

There were 127 cases of TB reported in children under five years of age in 2002 (Tables 2, 6, 15). Despite declines in the absolute number of pediatric TB cases over the past several years, approximately 4 percent of all cases continue to occur in this group. A diagnosis of TB in a young child represents ongoing TB transmission and, therefore, a missed public health opportunity for TB control. To address this important issue, California is participating in the national Tuberculosis Epidemiology Studies Consortium to evaluate the strengths and weaknesses of current public health practices in preventing TB infection and disease among young children. The study will identify areas for intervention in the identification, evaluation, and treatment of children exposed to TB, as well as activities to prevent TB transmission and disease development in children throughout the state. Outbreak response and contact investigation improvement projects also are aimed at interrupting transmission of TB in California.

HIV/AIDS

In 2001, the number of TB cases with a co-diagnosis of AIDS increased slightly to 149 (4.5 percent) (Table 11). The percentage of AIDS/TB cases who are foreign-born has increased from 38 percent in 1993 to 55 percent in 2001. The percentage of Hispanic AIDS/TB cases has increased from 41 percent to 53 percent in the same time period. The changing profile of TB cases with AIDS underscores the need for HIV testing of all TB cases to identify and appropriately treat these patients. Human immunodeficiency virus (HIV) counseling and testing policy recommendations were emphasized in the 2003 California Department of Health Services/California Tuberculosis Controllers Association Guidelines for Treatment of Active Tuberculosis Disease (available at www.ctca.org).

Drug Resistance

The frequency of resistance to isoniazid (INH) rose from 9.1 percent to 10.6 percent in 2002 (Table 45). Among those with a prior episode of tuberculosis, the frequency of INH resistance was 19.4 percent (Table 38). Where INH resistance exceeds four percent, the recommendation is to start all TB cases on an initial four drug regimen. In 2002, over 88 percent of cases began TB treatment with a four drug regimen (Table 26). Through the Tuberculosis Indicator Project (TIP), three high-morbidity jurisdictions have chosen to address initial drug regimen as their targeted indicator.

In 2002, there were 41 (1.8 percent) cases of multidrug resistant tuberculosis (MDR-TB; resistant to at least isoniazid and rifampin) reported in California (Table 43). This is the highest percentage of MDR-TB cases recorded in California since susceptibility testing results were incorporated into TB surveillance reporting in 1993. Fifteen percent of the MDR-TB cases were reported from five of the RSHJ where expertise in treating MDR-TB may be limited. Although the overall proportion of MDR-TB cases remains low, the potential consequences of these deadly strains of TB to the patient and to the public can be severe. Due to the increased duration of treatment that these cases require, the number of newly diagnosed MDR-TB cases in one year underestimates the workload that these cases represent for local TB programs. Approximately 70-80 MDR-TB cases are currently under treatment in California. In 2002, TBCB implemented the MDR-TB service to increase access to consultation and tools to manage MDR-TB patients in California. This service will help ensure appropriate treatment and public health follow-up of all MDR-TB cases, and improve tracking and surveillance of MDR-TB.

Treatment Outcomes

Among drug-susceptible TB cases reported in 2000, 71 percent completed therapy in the reporting jurisdiction within 12 months (Table 48). An additional ten percent of patients completed therapy in more than one year. Because outcomes in the reporting jurisdiction will underestimate the total number of California's TB patients completing therapy, we also report final treatment outcomes (including outcomes for patients who moved). Among all pan-sensitive patients, 73 percent completed within one year, and 11 percent completed in more than one year for a total of 84 percent of patients completing treatment (Figure 17). Although rates of treatment completion have improved since 1993, when a total of 79 percent of patients completed treatment, further improvement is needed in this priority area of TB control. A key activity to promote timely completion of treatment is the use of Directly Observed Therapy (DOT) for patients at high risk of defaulting from treatment. TBCB is selecting interventions to be implemented at the state level to increase use of DOT.

Nearly seven percent of patients died during treatment for tuberculosis in 2000 (Table 47). In addition, each year approximately two percent of reported cases have TB diagnosed after death (Table 25). Because it is not known what magnitude of these deaths are TB related, the TBCB is developing a tool to assist local health jurisdictions investigate deaths to determine preventability and design interventions to avoid future deaths from TB disease.

Each year approximately two percent of patients default (refuse treatment or become lost) before completing an adequate course of anti-TB treatment (Table 47). The TBCB has instituted a Patient Locating Service which is available to provide local TB programs with technical and/or direct assistance with locating their lost TB patients.

Moved

Of patients beginning therapy in 2000, 294 (9.2 percent) moved prior to completing treatment (Table 47). Of these, approximately 46 percent moved to another jurisdiction in California, 20 percent moved to another state, and 34 percent moved out of the country. Of patients moving in California or the United States, 52 percent are known to have completed treatment in their destination jurisdiction, and 7 percent had “adverse” outcomes (lost, refused treatment, died). No further information is available on the remaining 41 percent of cases, therefore, the outcomes for these patients remain “moved.” Beginning with cases counted in 2003, patients who move but are not located in the destination jurisdiction will be assigned an outcome of lost, to more accurately reflect the true treatment outcome of patients who move.

Among patients moving out of the country, the predominant destination was Mexico (44 percent). Cure-TB, located in San Diego, continues to ensure continuity of care for this group of patients by providing medical referrals for patients moving into and out of Mexico. Providers wishing to make a referral to Cure-TB should call (619) 542-4013.

Table 1. Tuberculosis Cases and Case Rates per 100,000 Population: California, 1985-2002

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	16.3	16.1	12.4
1991	5,273	17.3	7.9	6.1
1992	5,382	17.3	2.1	0.0
1993	5,173	16.4	-3.9	-5.2
1994	4,860	15.3	-6.1	-6.7
1995	4,675	14.6	-3.8	-4.6
1996	4,313	13.3	-7.7	-8.9
1997	4,059	12.3	-5.9	-7.5
1998	3,855	11.5	-5.0	-6.5
1999	3,608	10.6	-6.4	-7.8
2000	3,297	9.5	-8.6	-10.4
2001	3,332	9.5	1.1	0.0
2002	3,169	8.9	-4.9	-6.3

Tuberculosis Control Branch, California Department of Health Services

Table 2. Tuberculosis Cases by Race/Ethnicity, Age Group, Sex, Birthplace: California, 1993 - 2002

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Percent Change	
											1993-2002	2001-2002
Total Cases	5,173	4,860	4,675	4,313	4,059	3,855	3,608	3,297	3,332	3,169	-38.7	-4.9
Race/Ethnicity												
White, Not Hispanic	762	711	659	594	524	518	448	391	365	323	-57.6	-11.5
Black, Not Hispanic	711	630	592	551	421	384	376	322	292	277	-61.0	-5.1
Hispanic	2,003	1,804	1,691	1,549	1,431	1,401	1,340	1,198	1,252	1,273	-36.4	1.7
Asian/Pacific Islander	1,669	1,692	1,702	1,601	1,661	1,527	1,415	1,367	1,399	1,285	-23.0	-8.1
American Indian/Alaska Native	23	20	16	13	17	25	18	16	16	7	-69.6	-56.3
Unknown	5	3	15	5	5	-	11	3	8	4	-	-
Age Group												
0-4	337	285	249	222	192	164	153	116	133	127	-62.3	-4.5
5-14'	199	204	181	144	132	92	116	89	92	96	-51.8	4.3
15-24	539	506	437	416	419	358	334	328	318	311	-42.3	-2.2
25-44	1,915	1,729	1,623	1,503	1,341	1,276	1,161	1,058	1,109	1,056	-44.9	-4.8
45-64	1,235	1,161	1,171	1,079	1,088	1,063	976	944	953	870	-29.6	-8.7
65+	946	975	1,010	944	887	902	868	762	727	709	-25.1	-2.5
Unknown	2	-	4	5	-	-	-	-	-	-	-	-
Sex												
Male	3,245	3,031	2,909	2,694	2,499	2,347	2,166	1,974	2,029	1,883	-42.0	-7.2
Female	1,928	1,829	1,765	1,617	1,560	1,508	1,442	1,323	1,300	1,285	-33.4	-1.2
Unknown	-	-	1	2	-	-	-	-	3	1	-	-
Birthplace												
U.S.-born	1,873	1,754	1,573	1,447	1,226	1,136	1,061	904	824	758	-59.5	-8.0
Foreign-born	3,251	3,101	3,086	2,843	2,815	2,701	2,519	2,377	2,482	2,390	-26.5	-3.7
Unknown	49	5	15	23	18	18	28	16	26	21	-57.1	-19.2

- 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: California, 1993 - 2002

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Percent Change	
											1993-2002	2001-2002
Total Cases	16.4	15.3	14.6	13.3	12.3	11.5	10.6	9.5	9.5	8.9	-45.7	-6.3
Race/Ethnicity												
White, Not Hispanic	4.4	4.1	3.8	3.5	3.1	3.0	2.6	2.2	2.1	1.8	-59.1	-14.3
Black, Not Hispanic	32.1	28.2	26.3	24.2	18.3	16.6	16.2	13.8	12.4	11.7	-63.6	-5.6
Hispanic	23.1	20.3	18.6	16.6	14.8	14.0	12.9	11.2	11.4	11.2	-51.5	-1.8
Asian/Pacific Islander	53.3	52.3	51.0	46.4	46.4	41.1	36.7	34.2	33.8	30.0	-43.7	-11.2
American Indian/Alaska Native	12.0	10.4	8.3	6.7	8.6	12.5	8.9	7.8	7.7	3.3	-72.5	-57.1
Age Group												
0-4	11.8	9.8	8.6	7.8	6.9	5.9	5.5	4.2	4.7	4.5	-61.9	-4.3
5-14	4.4	4.4	3.8	2.9	2.6	1.7	2.1	1.6	1.6	1.7	-61.4	6.3
15-24	12.2	11.7	10.3	9.9	9.8	8.2	7.4	7.1	6.7	6.4	-47.5	-4.5
25-44	17.8	16.1	15.1	14.0	12.4	11.8	10.8	9.8	10.4	9.9	-44.4	-4.8
45-64	22.0	20.1	19.7	17.5	17.0	16.0	14.1	13.1	12.6	11.1	-49.5	-11.9
65+	28.3	28.8	29.4	27.1	25.1	25.1	23.8	20.5	19.2	18.5	-34.6	-3.6
Sex												
Male	20.6	19.0	18.1	16.6	15.1	14.0	12.7	11.3	11.5	10.5	-49.0	-8.7
Female	12.3	11.5	11.0	10.0	9.5	9.0	8.5	7.7	7.4	7.2	-41.5	-2.7

Table 4. Tuberculosis Cases by Race/Ethnicity and Age Group: California, 1993-2002

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Percent Change	
											1993-2002	2001-2002
Total Cases	5,173	4,860	4,675	4,313	4,059	3,855	3,608	3,297	3,332	3,169	-38.7	-4.9
White, Not Hispanic	762	711	659	594	524	518	448	391	365	323	-57.6	-11.5
0-4	19	25	11	15	9	14	4	6	7	8	-57.9	14.3
5-14'	15	10	5	6	7	2	9	6	2	7	-53.3	.
15-24	28	29	16	18	21	14	10	14	15	16	-42.9	6.7
25-44	246	219	208	164	145	114	99	90	105	82	-66.7	-21.9
45-64	238	187	181	183	163	179	146	133	120	100	-58.0	-16.7
65+	215	241	237	207	179	195	180	142	116	110	-48.8	-5.2
Unknown	1	-	1	1	-	-	-	-	-	-	.	.
Black, Not Hispanic	711	630	592	551	421	384	376	322	292	277	-61.0	-5.1
0-4	24	21	26	36	24	19	15	9	12	13	-45.8	8.3
5-14'	22	15	16	16	13	14	12	7	10	4	.	.
15-24	35	40	28	35	29	22	39	28	18	28	-20.0	55.6
25-44	375	334	269	248	179	149	146	122	111	100	-73.3	-9.9
45-64	189	156	182	152	124	126	117	117	101	94	-50.3	-6.9
65+	66	64	70	63	52	54	47	39	40	38	-42.4	-5.0
Unknown	-	-	1	1	-	-	-	-	-	-	.	.
Hispanic	2,003	1,804	1,691	1,549	1,431	1,401	1,340	1,198	1,252	1,273	-36.4	1.7
0-4	240	195	173	144	119	101	114	77	96	88	-63.3	-8.3
5-14'	121	133	124	101	71	56	82	56	65	66	-45.5	1.5
15-24	299	277	224	204	194	189	161	183	180	166	-44.5	-7.8
25-44	775	655	632	602	524	526	469	418	443	460	-40.6	3.8
45-64	364	340	323	317	318	320	306	288	286	297	-18.4	3.8
65+	203	204	213	179	205	209	208	176	182	196	-3.4	7.7
Unknown	1	-	2	2	-	-	-	-	-	-	.	.
Asian/Pacific Islander	1,669	1,692	1,702	1,601	1,661	1,527	1,415	1,367	1,399	1,285	-23.0	-8.1
0-4	53	44	39	27	39	26	19	23	18	18	-66.0	0.0
5-14'	41	46	33	21	40	20	13	19	15	19	-53.7	26.7
15-24	176	159	169	157	172	131	122	103	105	100	-43.2	-4.8
25-44	512	508	499	486	488	480	438	422	442	409	-20.1	-7.5
45-64	431	473	478	420	476	430	396	399	438	378	-12.3	-13.7
65+	456	462	484	489	446	440	427	401	381	361	-20.8	-5.2
Unknown	-	-	-	1	-	-	-	-	-	-	.	.
American Indian/Alaska Native	23	20	16	13	17	25	18	16	16	7	-69.6	-56.3
0-4	1	-	-	-	1	4	1	1	-	-	.	.
5-14'	-	-	-	-	1	-	-	1	-	-	.	.
15-24	1	1	-	1	2	2	-	-	-	1	.	.
25-44	5	11	10	3	4	7	6	5	5	2	.	.
45-64	12	5	5	5	6	8	9	6	8	1	.	.
65+	4	3	1	4	3	4	2	3	3	3	.	.
Race Unknown	5	3	15	5	5	-	11	3	8	4	.	.
0-4	-	-	-	-	-	-	-	-	-	-	.	.
5-14'	-	-	3	-	-	-	-	-	-	-	.	.
15-24	-	-	-	1	1	-	2	-	-	-	.	.
25-44	2	2	5	-	1	-	3	1	3	3	.	.
45-64	1	-	2	2	1	-	2	1	-	-	.	.
65+	2	1	5	2	2	-	4	1	5	1	.	.

- 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, 1993-2002

	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Percent Change	
											1993-2002	2001-2002
Total Cases	16.4	15.3	14.6	13.3	12.3	11.5	10.6	9.5	9.5	8.9	-45.7	-6.3
White, Not Hispanic	4.4	4.1	3.8	3.5	3.1	3.0	2.6	2.2	2.1	1.8	-59.1	-14.3
0-4	1.6	2.2	1.0	1.5	0.9	1.4	.	0.6	0.7	0.9	-43.8	28.6
5-14'	0.7	0.5	0.2	0.3	0.3	.	0.4	0.3	.	0.3	-57.1	.
15-24	1.4	1.5	0.8	0.9	1.1	0.7	0.5	0.7	0.7	0.7	-50.0	.
25-44	4.2	3.8	3.7	2.9	2.6	2.1	1.9	1.7	2.1	1.6	-61.9	-23.8
45-64	6.5	5.0	4.7	4.7	4.1	4.3	3.4	3.0	2.6	2.1	-67.7	-19.2
65+	8.4	9.5	9.3	8.1	7.0	7.6	6.9	5.4	4.4	4.2	-50.0	-4.5
Black, Not Hispanic	32.1	28.2	26.3	24.2	18.3	16.6	16.2	13.8	12.4	11.7	-63.6	-5.6
0-4	10.7	9.4	12.0	17.3	12.1	9.9	8.0	4.9	6.5	7.0	-34.6	7.7
5-14'	6.1	4.0	4.2	4.1	3.3	3.4	2.9	1.7	2.4	.	.	.
15-24	10.1	11.6	8.1	10.1	8.4	6.3	11.1	7.8	4.9	7.6	-24.8	55.1
25-44	49.0	43.7	35.2	32.3	23.4	19.7	19.5	16.5	15.2	13.8	-71.8	-9.2
45-64	53.5	42.7	48.1	38.5	30.2	29.7	26.7	25.6	21.3	19.1	-64.3	-10.3
65+	40.3	38.6	41.6	36.7	29.3	30.2	26.1	21.2	21.3	20.0	-50.4	-6.1
Hispanic	23.1	20.3	18.6	16.6	14.8	14.0	12.9	11.2	11.4	11.2	-51.5	-1.8
0-4	20.3	15.6	13.4	11.2	9.2	7.8	8.7	5.8	7.2	6.5	-68.0	-9.7
5-14'	7.5	8.0	7.2	5.6	3.6	2.7	3.7	2.4	2.7	2.6	-65.3	-3.7
15-24	19.2	18.5	15.3	14.2	13.2	12.5	10.3	11.4	10.8	9.7	-49.5	-10.2
25-44	26.4	21.6	20.3	18.9	16.0	15.7	13.8	12.2	12.8	13.1	-50.4	2.3
45-64	36.5	32.5	29.4	27.2	25.8	24.4	22.0	19.4	18.1	17.6	-51.8	-2.8
65+	53.7	51.1	50.5	40.1	43.1	42.2	40.3	32.7	32.3	33.5	-37.6	3.7
Asian/Pacific Islander	53.3	52.3	51.0	46.4	46.4	41.1	36.7	34.2	33.8	30.0	-43.7	-11.2
0-4	18.8	15.0	12.9	8.9	12.9	8.5	6.1	7.2	5.5	5.3	-71.8	-3.6
5-14'	8.5	9.2	6.4	3.9	7.1	3.4	2.1	3.0	2.3	2.8	-67.1	21.7
15-24	36.4	32.5	34.1	31.1	33.2	24.5	22.0	17.9	17.6	16.2	-55.5	-8.0
25-44	46.6	45.3	43.7	41.7	40.8	39.1	34.9	32.9	33.8	30.6	-34.3	-9.5
45-64	79.6	82.1	78.0	64.3	68.7	58.4	50.7	48.1	49.8	40.8	-48.7	-18.1
65+	187.5	179.2	177.0	168.1	143.8	135.0	124.9	111.6	100.9	91.3	-51.3	-9.5
American Indian/Alaska Native	12.0	10.4	8.3	6.7	8.6	12.5	8.9	7.8	7.7	3.3	-72.5	-57.1
0-4	.	.	.	.	.	.	.	.	.	.	.	.
5-14'	.	.	.	.	.	.	.	.	.	.	.	.
15-24	.	.	.	.	.	.	.	.	.	.	.	.
25-44	7.6	16.7	15.3	.	.	10.8	9.2	7.7	7.8	.	.	.
45-64	31.8	12.8	12.3	11.9	13.6	17.5	18.9	12.1	15.5	.	.	.
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, 2002

	All Ages	Age Group					
		0-4	5-14	15-24	25-44	45-64	65+
Total Cases	3,169	127	96	311	1,056	870	709
White, Not Hispanic	323	8	7	16	82	100	110
Male	194	4	3	10	45	66	66
Female	129	4	4	6	37	34	44
Black, Not Hispanic	277	13	4	28	100	94	38
Male	152	5	1	14	50	64	18
Female	125	8	3	14	50	30	20
Hispanic	1,273	88	66	166	460	297	196
Male	807	44	29	101	307	212	114
Female	466	44	37	65	153	85	82
Asian/Pacific Islander	1,285	18	19	100	409	378	361
Male	724	9	7	49	206	233	220
Female	560	9	12	51	202	145	141
Unknown	1	-	-	-	1	-	-
American Indian/Alaska Native	7	-	-	1	2	1	3
Male	4	-	-	-	2	-	2
Female	3	-	-	1	-	1	1
Race/Ethnicity Not Stated	4	-	-	-	3	-	1
Male	2	-	-	-	1	-	1
Female	2	-	-	-	2	-	-

- Indicates zero cases.

Tuberculosis Control Branch, California Department of Health Services

Table 7. Tuberculosis Case Rates per 100,000 Population By Race/Ethnicity, Sex and Age Group: California, 2002

	All Ages	Age Group					
		0-4	5-14	15-24	25-44	45-64	65+
Total Cases	8.9	4.5	1.7	6.4	9.9	11.1	18.5
White, Not Hispanic	1.8	0.9	0.3	0.7	1.6	2.1	4.2
Male	2.2	.	.	0.9	1.8	2.8	5.8
Female	1.5	.	.	0.6	1.5	1.4	2.9
Black, Not Hispanic	11.7	7.0	.	7.6	13.8	19.1	20.0
Male	12.9	5.3	.	7.1	13.6	27.8	23.1
Female	10.4	8.8	.	8.0	14.1	11.5	17.9
Hispanic	11.2	6.5	2.6	9.7	13.1	17.6	33.5
Male	13.7	6.3	2.3	11.4	16.1	25.0	44.8
Female	8.5	6.6	3.0	7.9	9.6	10.2	24.7
Asian/Pacific Islander	30.0	5.3	2.8	16.2	30.6	40.8	91.3
Male	34.3	5.2	2.0	15.5	31.1	53.0	127.7
Female	25.7	5.4	3.7	17.0	30.1	29.7	63.2
American Indian/Alaskan Native	3.3	.	.	.	.	.	.
Male	.	.	.	.	.	.	.
Female	.	.	.	.	.	.	.

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

Tuberculosis Control Branch, California Department of Health Services

Table 8. Tuberculosis Cases in U.S.-born Persons By Race/Ethnicity, Sex and Age Group: California, 2002

	All Ages	Age Group					
		0-4	5-14	15-24	25-44	45-64	65+
Total Cases	758	94	44	64	193	220	143
White, Not Hispanic	222	5	4	6	51	82	74
Male	140	3	2	4	32	54	45
Female	82	2	2	2	19	28	29
Black, Not Hispanic	213	13	2	12	69	83	34
Male	131	5	1	7	40	60	18
Female	82	8	1	5	29	23	16
Hispanic	265	61	31	34	62	51	26
Male	146	28	14	20	33	38	13
Female	119	33	17	14	29	13	13
Asian/Pacific Islander	51	15	7	11	9	3	6
Male	25	8	3	7	3	2	2
Female	26	7	4	4	6	1	4
American Indian/Alaska Native	7	-	-	1	2	1	3
Male	4	-	-	-	2	-	2
Female	3	-	-	1	-	1	1

- Indicates zero cases.

Tuberculosis Control Branch, California Department of Health Services

Table 9. Tuberculosis Cases in Foreign-born Persons By Race/Ethnicity, Sex and Age Group: California, 2002

	All Ages	Age Group					
		0-4	5-14	15-24	25-44	45-64	65+
Total Cases	2,390	33	51	245	858	645	558
White, Not Hispanic	98	3	3	10	30	18	34
Male	53	1	1	6	13	12	20
Female	45	2	2	4	17	6	14
Black, Not Hispanic	62	-	2	15	31	10	4
Male	21	-	-	7	10	4	-
Female	41	-	2	8	21	6	4
Hispanic	1,000	27	35	131	396	243	168
Male	657	16	15	81	272	173	100
Female	343	11	20	50	124	70	68
Asian/Pacific Islander	1,228	3	11	89	399	374	352
Male	697	1	3	42	203	231	217
Female	530	2	8	47	195	143	135
Unknown	1	-	-	-	1	-	-
Race Ethnicity Not Stated	2	-	-	-	2	-	-
Male	1	-	-	-	1	-	-
Female	1	-	-	-	1	-	-

- Indicates zero cases.

Tuberculosis Control Branch, California Department of Health Services

Table 10. Tuberculosis Cases in Foreign-born Persons by Country-of-Origin and Time in the United States: California 2002

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	2,390	508	21.3	120	5.0	311	13.0	300	12.6	530	22.2	553	23.1	68	2.8
Mexico	812	141	17.4	53	6.5	111	13.7	82	10.1	181	22.3	217	26.7	27	3.3
Philippines	474	151	31.9	14	3.0	51	10.8	58	12.2	91	19.2	102	21.5	7	1.5
Vietnam	276	47	17.0	6	2.2	24	8.7	47	17.0	97	35.1	51	18.5	4	1.4
China**	143	29	20.3	1	0.7	16	11.2	11	7.7	38	26.6	44	30.8	4	2.8
India	115	27	23.5	10	8.7	32	27.8	21	18.3	12	10.4	10	8.7	3	2.6
Korea, South	80	13	16.3	4	5.0	7	8.8	10	12.5	15	18.8	22	27.5	9	11.3
El Salvador	61	14	23.0	5	8.2	13	21.3	4	6.6	13	21.3	11	18.0	1	1.6
Guatemala	47	13	27.7	2	4.3	7	14.9	8	17.0	13	27.7	4	8.5	-	-
Laos	37	1	2.7	1	2.7	-	-	8	21.6	9	24.3	15	40.5	3	8.1
Honduras	25	4	16.0	5	20.0	3	12.0	3	12.0	2	8.0	5	20.0	3	12.0
Kampuchea (Cambodia)	25	1	4.0	1	4.0	-	-	1	4.0	13	52.0	8	32.0	1	4.0
Peru	25	10	40.0	2	8.0	3	12.0	4	16.0	5	20.0	1	4.0	-	-
Ethiopia	24	7	29.2	1	4.2	6	25.0	5	20.8	5	20.8	-	-	-	-
Taiwan	15	2	13.3	-	-	1	6.7	2	13.3	3	20.0	7	46.7	-	-
Afghanistan	12	2	16.7	2	16.7	-	-	1	8.3	6	50.0	1	8.3	-	-
Indonesia	12	3	25.0	2	16.7	3	25.0	2	16.7	2	16.7	-	-	-	-
Somalia	12	2	16.7	2	16.7	5	41.7	3	25.0	-	-	-	-	-	-
Thailand	12	1	8.3	-	-	1	8.3	5	41.7	4	33.3	1	8.3	-	-
Armenia	11	3	27.3	-	-	1	9.1	5	45.5	1	9.1	1	9.1	-	-
Burma	11	1	9.1	2	18.2	-	-	3	27.3	1	9.1	4	36.4	-	-
Ukraine	11	8	72.7	-	-	2	18.2	0	0.0	1	9.1	-	-	-	-
Iran	9	-	-	-	-	-	-	1	11.1	2	22.2	6	66.7	-	-
Japan	9	-	-	-	-	-	-	1	11.1	2	22.2	6	66.7	-	-
Pakistan	9	3	33.3	-	-	1	11.1	2	22.2	-	-	2	22.2	1	11.1
Kenya	7	2	28.6	1	14.3	3	42.9	1	14.3	-	-	-	-	-	-
Nicaragua	6	2	33.3	-	-	1	16.7	0	0.0	2	33.3	1	16.7	-	-
Soviet Union	6	2	33.3	-	-	1	16.7	0	0.0	2	33.3	-	-	1	16.7
Korea, North	5	-	-	-	-	1	20.0	1	20.0	-	-	2	40.0	1	20.0
Other Countries	99	19	19.2	6	6.1	18	18.2	11	11.1	10	10.1	32	32.3	3	3.0

* Countries listed in order of number of cases.

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

- Indicates zero cases or zero percent.

Table 11. AIDS-Associated Tuberculosis* by Demographic Characteristics and Risk Factors for Tuberculosis: California, 1996-2001

	1996			1997			1998			1999			2000			2001		
	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.	%
California	4,288	334	7.8	4,045	266	6.6	3,850	227	5.9	3,606	220	6.1	3,292	144	4.4	3,331	149	4.5
Race/Ethnicity																		
White, Not Hispanic	583	78	13.4	521	52	10.0	511	37	7.2	450	41	9.1	384	24	6.3	368	25	6.8
Black, Not Hispanic	548	106	19.3	420	76	18.1	384	59	15.4	373	55	14.7	320	37	11.6	291	33	11.3
Hispanic	1,549	136	8.8	1,428	124	8.7	1,404	117	8.3	1,340	112	8.4	1,201	76	6.3	1,255	79	6.3
Asian/Pacific Islander	1,594	13	0.8	1,659	13	0.8	1,525	11	0.7	1,415	11	0.8	1,368	7	0.5	1,399	11	0.8
American Indian/Alaska Native	13	1	7.7	17	1	5.9	25	3	12.0	17	1	5.9	16	-	-	16	1	6.3
Unknown	1	-	-	-	-	-	1	-	-	11	-	-	3	-	-	2	-	-
Age Group																		
0-4	221	-	-	190	-	-	160	-	-	153	-	-	115	-	-	132	-	-
5-14'	144	1	0.7	132	-	-	94	-	-	116	-	-	89	1	1.1	92	-	-
15-24	413	9	2.2	418	11	2.6	356	5	1.4	333	4	1.2	327	3	0.9	319	3	0.9
25-44	1,492	245	16.4	1,339	195	14.6	1,278	162	12.7	1,159	144	12.4	1,058	107	10.1	1,106	93	8.4
45-64	1,076	73	6.8	1,084	54	5.0	1,058	55	5.2	976	69	7.1	941	31	3.3	955	52	5.4
65+	942	6	0.6	882	6	0.7	904	5	0.6	869	3	0.3	762	2	0.3	727	1	0.1
Sex																		
Male	2,678	294	11.0	2,489	228	9.2	2,345	199	8.5	2,167	196	9.0	1,975	126	6.4	2,031	128	6.3
Female	1,610	40	2.5	1,556	38	2.4	1,505	28	1.9	1,439	24	1.7	1,317	18	1.4	1,300	21	1.6
Place of Birth																		
Foreign-born	2,834	128	4.5	2,807	125	4.5	2,697	103	3.8	2,519	112	4.4	2,377	71	3.0	2,490	82	3.3
U.S.-born	1,433	205	14.3	1,222	140	11.5	1,135	123	10.8	1,059	108	10.2	900	72	8.0	823	67	8.1
Unknown	21	1	4.8	16	1	6.3	18	1	5.6	28	-	-	15	1	6.7	18	-	-
Homeless																		
No	3,903	270	6.9	3,652	206	5.6	3,540	178	5.0	3,322	175	5.3	3,029	108	3.6	3,067	116	3.8
Yes	297	47	15.8	299	46	15.4	237	41	17.3	234	43	18.4	226	32	14.2	232	33	14.2
Unknown	88	17	19.3	94	14	14.9	73	8	11.0	50	2	4.0	37	4	10.8	32	-	-
Alcohol Use																		
No	3,398	206	6.1	3,260	158	4.8	3,126	154	4.9	3,016	138	4.6	2,781	96	3.5	2,837	117	4.1
Yes	527	73	13.9	452	52	11.5	431	47	10.9	421	62	14.7	366	35	9.6	373	26	7.0
Unknown	363	55	15.2	333	56	16.8	293	26	8.9	169	20	11.8	145	13	9.0	121	6	5.0
Injecting Drug Use																		
No	3,752	208	5.5	3,586	172	4.8	3,469	170	4.9	3,349	175	5.2	3,053	112	3.7	3,123	118	3.8
Yes	174	69	39.7	134	44	32.8	114	33	28.9	93	24	25.8	90	17	18.9	87	24	27.6
Unknown	362	57	15.7	325	50	15.4	267	24	9.0	164	21	12.8	149	15	10.1	121	7	5.8
Non-Injecting Drug Use																		
No	3,574	182	5.1	3,429	158	4.6	3,303	138	4.2	3,198	143	4.5	2,910	90	3.1	2,998	108	3.6
Yes	311	92	29.6	270	59	21.9	266	60	22.6	230	58	25.2	227	38	16.7	207	33	15.9
Unknown	403	60	14.9	346	49	14.2	281	29	10.3	178	19	10.7	155	16	10.3	126	8	6.3
Diagnosed in Correctional Facility																		
No	4,118	300	7.3	3,894	239	6.1	3,704	211	5.7	3,480	205	5.9	3,174	136	4.3	3,208	140	4.4
Yes	164	34	20.7	145	24	16.6	136	15	11.0	118	14	11.9	114	7	6.1	115	9	7.8
Unknown	5	-	-	6	3	50.0	9	1	11.1	5	-	-	4	1	25.0	7	-	-

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

- Indicates zero cases or zero percent.

Table 12. Tuberculosis Cases, Rate per 100,000 Population and Rank* According to Rate: Reporting Jurisdictions in California, 2001-2002

Reporting Jurisdiction	2001			2002		
	Rank	Cases	Rate	Rank	Cases	Rate
San Francisco	1	182	22.9	1	146	18.4
Imperial	2	25	15.5	2	29	17.3
Alameda	3	196	14.2	3	199	14.2
Santa Clara	4	215	12.0	4	254	13.9
Long Beach	12	50	10.8	5	59	12.6
Fresno	5	98	11.9	6	98	11.7
Los Angeles	7	1,046	11.2	7	1,025	10.9
San Diego	10	332	11.0	8	326	10.6
Berkeley	11	12	10.9	9	11	9.9
Yuba	38	3	.	10	6	9.1
California					3,169	8.9
Madera	20	11	8.4	11	12	8.8
San Mateo	14	78	10.3	12	67	8.7
San Joaquin	17	51	8.6	13	52	8.6
Ventura	22	52	6.8	14	66	8.5
Sacramento	13	130	10.5	15	104	8.3
Sutter	25	5	6.0	16	7	8.1
Kern	21	49	7.1	17	57	8.0
Pasadena	6	17	11.7	17	12	8.0
Orange	15	278	9.7	19	230	7.9
Mendocino	38	2	.	20	7	7.5
Contra Costa	9	105	11.1	21	68	7.1
Merced	22	15	6.8	21	16	7.1
Solano	17	35	8.6	23	26	6.2
Monterey	16	39	9.5	24	24	5.8
Napa	38	2	.	25	7	5.3
United States						5.2
Tulare	31	15	3.9	26	19	4.8
Marin	25	15	6.0	26	12	4.8
Humboldt	27	7	5.4	28	6	4.6
Stanislaus	32	18	3.8	29	22	4.5
Kings	19	11	8.5	29	6	4.5
Santa Barbara	24	26	6.2	31	18	4.3
Riverside	30	66	4.1	32	68	4.0
Year 2000 National Objective						3.5
San Bernardino	28	83	4.7	33	63	3.5
Sonoma	37	9	1.9	34	16	3.3
San Luis Obispo	29	11	4.2	35	6	2.2
Santa Cruz	35	7	2.6	35	6	2.2
Shasta	38	4	.	37	4	.
Yolo	33	5	3.0	37	4	.
El Dorado	33	5	3.0	37	3	.
Placer	38	3	.	37	3	.
San Benito	7	6	11.2	37	3	.
Butte	36	5	2.3	37	1	.
Inyo	49	-	.	37	1	.
Calaveras	38	1	.	44	-	.
Colusa	38	2	.	44	-	.
Lake	38	2	.	44	-	.
Nevada	38	1	.	44	-	.
Tehama	38	1	.	44	-	.
Tuolumne	38	1	.	44	-	.
Alpine	49	-	.	44	-	.
Amador	49	-	.	44	-	.
Del Norte	49	-	.	44	-	.
Glenn	49	-	.	44	-	.
Lassen	49	-	.	44	-	.
Mariposa	49	-	.	44	-	.
Modoc	49	-	.	44	-	.
Mono	49	-	.	44	-	.
Plumas	49	-	.	44	-	.
Sierra	49	-	.	44	-	.
Siskiyou	49	-	.	44	-	.
Trinity	49	-	.	44	-	.

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

- Indicates zero cases

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

Table 13. Tuberculosis Cases by Year: Reporting Jurisdictions in California, 1993-2002

Reporting Jurisdiction	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Percent Change	
											1993-2002	2001-2002
California	5,173	4,860	4,675	4,313	4,059	3,855	3,608	3,297	3,332	3,169	-38.7	-4.9
Alameda	159	204	239	234	193	223	224	242	196	199	25.2	1.5
Alpine	-	-	-	-	-	-	-	-	-	-	.	.
Amador	1	-	-	2	-	1	1	-	-	-	.	.
Berkeley	12	8	14	13	20	7	17	4	12	11	-8.3	-8.3
Butte	4	7	6	4	13	4	4	4	5	1	.	.
Calaveras	-	-	-	-	-	1	-	-	1	-	.	.
Colusa	-	-	1	-	3	-	-	1	2	-	.	.
Contra Costa	111	99	103	119	107	102	97	78	105	68	-38.7	-35.2
Del Norte	6	3	1	-	-	1	-	1	-	-	.	.
El Dorado	-	1	4	3	3	3	1	4	5	3	.	.
Fresno	94	77	72	69	92	114	101	91	98	98	4.3	0.0
Glenn	-	-	-	2	1	-	-	1	-	-	.	.
Humboldt	7	3	10	7	8	15	8	6	7	6	-14.3	-14.3
Imperial	29	38	38	40	39	39	38	26	25	29	0.0	16.0
Inyo	1	-	-	-	-	-	-	1	-	1	.	.
Kern	93	111	80	71	63	48	62	49	49	57	-38.7	16.3
Kings	22	15	18	31	14	18	11	7	11	6	-72.7	-45.5
Lake	2	1	3	6	3	2	2	2	2	-	.	.
Lassen	-	-	1	2	-	-	1	1	-	-	.	.
Long Beach	147	103	91	97	100	57	88	63	50	59	-59.9	18.0
Los Angeles	1,944	1,794	1,627	1,375	1,346	1,299	1,170	1,066	1,046	1,025	-47.3	-2.0
Madera	6	16	11	10	10	7	9	14	11	12	100.0	9.1
Marin	18	17	22	16	12	20	10	11	15	12	-33.3	-20.0
Mariposa	1	-	-	-	-	-	-	2	-	-	.	.
Mendocino	9	7	2	-	2	4	1	4	2	7	-22.2	.
Merced	23	20	18	19	10	8	11	10	15	16	-30.4	6.7
Modoc	-	1	-	-	-	-	-	2	-	-	.	.
Mono	-	-	-	-	-	-	-	-	-	-	.	.
Monterey	47	42	53	36	45	48	47	35	39	24	-48.9	-38.5
Napa	7	1	7	11	3	5	3	3	2	7	0.0	.
Nevada	2	-	-	-	-	1	2	1	1	-	.	.
Orange	431	366	336	273	330	298	246	246	278	230	-46.6	-17.3
Pasadena	11	15	28	24	11	19	8	13	17	12	9.1	-29.4
Placer	5	7	7	3	4	5	3	1	3	3	.	.
Plumas	-	-	3	1	1	-	-	1	-	-	.	.
Riverside	121	106	95	99	67	74	79	71	66	68	-43.8	3.0
Sacramento	86	130	125	147	145	112	97	120	130	104	20.9	-20.0
San Benito	-	3	3	1	3	3	5	2	6	3	.	.
San Bernardino	151	135	128	130	130	101	113	104	83	63	-58.3	-24.1
San Diego	469	421	438	385	334	339	296	295	332	326	-30.5	-1.8
San Francisco	356	280	270	262	242	207	235	170	182	146	-59.0	-19.8
San Joaquin	95	95	77	73	64	65	74	72	51	52	-45.3	2.0
San Luis Obispo	22	27	14	11	9	16	6	9	11	6	-72.7	-45.5
San Mateo	83	75	86	92	85	80	62	46	78	67	-19.3	-14.1
Santa Barbara	82	75	63	69	36	32	26	22	26	18	-78.0	-30.8
Santa Clara	232	288	286	297	258	251	244	235	215	254	9.5	18.1
Santa Cruz	25	30	26	18	15	12	14	4	7	6	-76.0	-14.3
Shasta	3	2	5	3	10	4	5	5	4	4	.	.
Sierra	-	-	-	-	-	-	-	-	-	-	.	.
Siskiyou	-	-	2	-	-	2	1	1	-	-	.	.
Solano	47	38	65	59	45	50	32	27	35	26	-44.7	-25.7
Sonoma	19	29	19	24	12	16	18	16	9	16	-15.8	77.8
Stanislaus	30	21	34	31	35	25	33	18	18	22	-26.7	22.2
Sutter	22	8	12	9	6	9	6	4	5	7	-68.2	40.0
Tehama	-	1	-	8	4	1	2	2	1	-	.	.
Trinity	-	-	2	1	-	-	-	-	-	-	.	.
Tulare	63	50	41	36	24	27	22	17	15	19	-69.8	26.7
Tuolumne	-	2	-	-	1	8	-	2	1	-	.	.
Ventura	55	63	73	70	79	57	62	44	52	66	20.0	26.9
Yolo	6	18	10	14	15	8	9	9	5	4	.	.
Yuba	14	7	6	6	7	7	2	12	3	6	-57.1	.

- 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, 1993-2002

Reporting Jurisdiction	1993	1994	1995	1996	1997	1998	1999	2000	2001	2002	Percent Change	
											1993-2002	2001-2002
California	16.4	15.3	14.6	13.3	12.3	11.5	10.6	9.5	9.5	8.9	-45.7	-6.3
Alameda	12.9	16.5	19.2	18.6	14.9	16.9	16.7	17.8	14.2	14.2	10.1	0.0
Alpine	.	.	.	.	.	.	.	.	.	.	.	.
Amador	.	.	.	.	.	.	.	.	.	.	.	.
Berkeley	11.5	7.7	13.4	12.4	18.8	6.5	15.6	.	10.9	9.9	-13.9	-9.2
Butte	.	3.6	3.1	.	6.5	.	.	.	2.3	.	.	.
Calaveras	.	.	.	.	.	.	.	.	.	.	.	.
Colusa	.	.	.	.	.	.	.	.	.	.	.	.
Contra Costa	13.0	11.5	11.9	13.6	11.9	11.1	10.4	8.4	11.1	7.1	-45.4	-36.0
Del Norte	22.0	.	.	.	.	.	.	.	.	.	.	.
El Dorado	.	.	.	.	.	.	.	.	3.0	.	.	.
Fresno	12.9	10.4	9.5	9.0	11.8	14.5	12.7	11.2	11.9	11.7	-9.3	-1.7
Glenn	.	.	.	.	.	.	.	.	.	.	.	.
Humboldt	5.6	.	8.0	5.6	6.3	11.9	6.3	4.7	5.4	4.6	-17.9	-14.8
Imperial	22.2	28.4	27.7	28.3	27.3	27.2	26.1	16.8	15.5	17.3	-22.1	11.6
Inyo	.	.	.	.	.	.	.	.	.	.	.	.
Kern	15.5	18.2	13.0	11.4	9.9	7.5	9.5	7.2	7.1	8.0	-48.4	12.7
Kings	19.8	13.3	15.7	26.8	11.9	14.5	8.6	5.5	8.5	4.5	-77.3	-47.1
Lake	.	.	.	10.9	.	.	.	.	.	.	.	.
Lassen	.	.	.	.	.	.	.	.	.	.	.	.
Long Beach	33.4	23.5	20.8	22.2	22.7	12.8	19.4	13.8	10.8	12.6	-62.3	16.7
Los Angeles	22.4	20.5	18.5	15.6	15.0	14.3	12.7	11.5	11.2	10.9	-51.3	-2.7
Madera	5.8	15.3	10.3	9.1	8.8	6.1	7.7	11.1	8.4	8.8	51.7	4.8
Marin	7.6	7.2	9.2	6.7	4.9	8.2	4.1	4.4	6.0	4.8	-36.8	-20.0
Mariposa	.	.	.	.	.	.	.	.	.	.	.	.
Mendocino	10.8	8.4	.	.	.	.	.	.	.	7.5	-30.6	.
Merced	11.8	10.1	9.1	9.6	5.0	3.9	5.3	4.6	6.8	7.1	-39.8	4.4
Modoc	.	.	.	.	.	.	.	.	.	.	.	.
Mono	.	.	.	.	.	.	.	.	.	.	.	.
Monterey	12.7	11.6	14.6	10.0	11.9	12.5	12.0	8.7	9.5	5.8	-54.3	-38.9
Napa	6.0	.	5.9	9.2	.	4.1	.	.	.	5.3	-11.7	.
Nevada	.	.	.	.	.	.	.	.	.	.	.	.
Orange	16.9	14.2	12.8	10.3	12.2	10.8	8.7	8.7	9.7	7.9	-53.3	-18.6
Pasadena	8.1	11.1	20.5	17.5	7.9	13.5	5.6	9.0	11.7	8.0	-1.2	-31.6
Placer	2.6	3.6	3.4	.	.	2.2	.	.	.	.	.	.
Plumas	.	.	.	.	.	.	.	.	.	.	.	.
Riverside	9.2	7.9	6.9	7.1	4.7	5.1	5.3	4.5	4.1	4.0	-56.5	-2.4
Sacramento	7.8	11.7	11.2	13.0	12.6	9.6	8.1	9.9	10.5	8.3	6.4	-21.0
San Benito	.	.	.	.	.	.	10.1	.	11.2	.	.	.
San Bernardino	9.7	8.6	8.1	8.2	8.0	6.1	6.7	6.0	4.7	3.5	-63.9	-25.5
San Diego	17.9	15.9	16.4	14.3	12.1	12.0	10.3	10.0	11.0	10.6	-40.8	-3.6
San Francisco	47.4	37.2	35.9	34.1	31.1	26.2	29.5	21.5	22.9	18.4	-61.2	-19.7
San Joaquin	18.6	18.4	14.7	13.7	11.8	11.8	13.2	12.4	8.6	8.6	-53.8	0.0
San Luis Obispo	9.8	11.9	6.1	4.8	3.8	6.7	2.5	3.5	4.2	2.2	-77.6	-47.6
San Mateo	12.3	11.0	12.5	13.2	11.9	11.1	8.5	6.2	10.3	8.7	-29.3	-15.5
Santa Barbara	21.4	19.4	16.1	17.5	9.0	7.9	6.4	5.3	6.2	4.3	-79.9	-30.6
Santa Clara	14.7	18.1	17.8	18.1	15.4	14.8	14.2	13.3	12.0	13.9	-5.4	15.8
Santa Cruz	10.6	12.6	10.8	7.4	6.1	4.8	5.5	.	2.6	2.2	-79.2	-15.4
Shasta	.	.	3.1	.	6.1	.	3.0	2.8	.	.	.	.
Sierra	.	.	.	.	.	.	.	.	.	.	.	.
Siskiyou	.	.	.	.	.	.	.	.	.	.	.	.
Solano	12.8	10.3	17.5	15.8	11.9	13.0	8.1	6.8	8.6	6.2	-51.6	-27.9
Sonoma	4.6	7.0	4.5	5.7	2.8	3.6	4.0	3.5	1.9	3.3	-28.3	73.7
Stanislaus	7.4	5.1	8.2	7.4	8.2	5.8	7.5	3.9	3.8	4.5	-39.2	18.4
Sutter	30.9	11.0	16.3	12.1	7.9	11.7	7.7	.	6.0	8.1	-73.8	35.0
Tehama	.	.	.	14.7	.	.	.	.	.	.	.	.
Trinity	.	.	.	.	.	.	.	.	.	.	.	.
Tulare	18.6	14.6	11.7	10.2	6.7	7.5	6.0	4.5	3.9	4.8	-74.2	23.1
Tuolumne	.	.	.	.	.	15.2	.	.	.	.	.	.
Ventura	7.9	8.9	10.2	9.8	10.9	7.7	8.2	5.8	6.8	8.5	7.6	25.0
Yolo	4.1	12.2	6.6	9.2	9.7	5.1	5.7	5.5	3.0	.	.	.
Yuba	22.7	11.3	9.6	9.9	11.4	11.6	.	18.8	.	9.1	-59.9	.

. 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, 2002

Reporting Jurisdiction	All Cases	Age Group					
		0-4	5-14	15-24	25-44	45-64	65+
California	3,169	127	96	311	1,056	870	709
Alameda	199	13	10	20	62	51	43
Berkeley	11	-	-	1	5	1	4
Contra Costa	68	1	-	7	22	19	19
Fresno	98	25	13	7	22	19	12
Humboldt	6	-	-	-	1	4	1
Imperial	29	1	2	3	13	7	3
Kern	57	1	2	3	23	17	11
Kings	6	-	-	-	3	3	-
Long Beach	59	10	-	5	19	14	11
Los Angeles	1,025	20	34	88	330	304	249
Madera	12	-	-	5	6	1	-
Marin	12	-	-	2	4	4	2
Mendocino	7	-	-	1	2	3	1
Merced	16	1	-	5	6	2	2
Monterey	24	-	-	2	9	7	6
Napa	7	-	-	1	2	2	2
Orange	230	9	1	26	72	74	48
Pasadena	12	-	-	4	2	4	2
Riverside	68	5	1	4	21	20	17
Sacramento	104	8	8	11	30	25	22
San Bernardino	63	1	1	6	22	17	16
San Diego	326	11	4	39	130	81	61
San Francisco	146	3	2	5	51	39	46
San Joaquin	52	-	-	5	10	22	15
San Luis Obispo	6	-	-	1	4	1	-
San Mateo	67	4	1	9	20	19	14
Santa Barbara	18	2	1	2	5	2	6
Santa Clara	254	4	7	24	106	57	56
Santa Cruz	6	-	2	1	-	1	2
Solano	26	2	1	3	7	7	6
Sonoma	16	-	-	7	5	2	2
Stanislaus	22	-	1	5	8	1	7
Sutter	7	-	-	1	2	2	2
Tulare	19	2	1	3	3	5	5
Ventura	66	2	3	1	22	27	11
Yuba	6	-	-	2	2	1	1
All Other Jurisdictions*	19	2	1	2	5	5	4

- Indicates zero cases.

*Reporting jurisdictions with fewer than 5 cases.

Tuberculosis Control Branch, California Department of Health Services

Table 16. Tuberculosis Cases in Persons 0-4 Years of Age: Reporting Jurisdictions in California, 1994-2002

Reporting Jurisdiction	1994		1995		1996		1997		1998		1999		2000		2001		2002	
	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	284	5.9	243	5.2	221	5.2	190	4.7	160	4.2	153	4.2	115	3.5	132	4.0	127	4.0
Alameda	16	8.0	11	4.6	10	4.3	13	6.8	11	4.9	8	3.6	5	2.1	3	1.5	13	6.5
Contra Costa	2	2.0	4	3.9	11	9.4	5	4.8	7	6.9	8	8.2	2	2.6	5	4.8	1	1.5
Fresno	3	3.9	2	2.8	2	2.9	7	7.6	10	8.7	5	5.0	7	7.7	11	11.3	25	25.5
Imperial	2	5.3	5	13.2	4	10.0	1	2.6	5	12.8	11	28.9	-	-	-	-	1	3.4
Kern	10	9.0	8	10.3	6	8.5	4	6.3	2	4.2	3	4.8	5	10.2	1	1.9	1	1.8
Kings	4	26.7	2	11.1	3	9.7	1	7.1	-	-	1	9.1	-	-	1	9.1	-	-
Long Beach	9	8.7	6	6.6	9	9.2	8	8.1	1	1.8	8	9.1	5	7.9	1	2.0	10	16.9
Los Angeles	81	4.5	79	4.9	59	4.3	53	3.9	43	3.3	38	3.3	36	3.4	31	3.0	20	2.0
Madera	1	6.3	1	9.1	1	10.0	2	20.0	1	16.7	-	-	-	-	2	18.2	-	-
Marin	-	-	1	4.5	1	6.3	-	-	-	-	-	-	-	-	-	-	-	-
Merced	3	15.0	2	11.1	-	-	-	-	1	12.5	-	-	-	-	2	13.3	1	6.3
Monterey	11	26.2	12	22.6	7	19.4	8	17.8	5	10.4	5	10.4	4	10.3	3	7.9	-	-
Orange	25	6.9	14	4.2	7	2.6	11	3.3	7	2.3	5	2.0	10	4.1	13	4.7	9	3.9
Pasadena	-	-	3	11.1	1	4.2	2	18.2	-	-	-	-	1	7.7	-	-	-	-
Riverside	8	7.6	6	6.3	7	7.1	2	3.0	1	1.4	5	6.3	2	2.8	-	-	5	7.4
Sacramento	8	6.2	5	3.7	9	6.1	8	5.7	4	3.6	-	-	3	2.5	4	3.1	8	7.7
San Bernardino	9	6.8	17	13.8	16	12.5	13	10.2	7	7.0	5	4.4	3	2.9	8	9.8	1	1.6
San Diego	27	6.4	21	4.8	19	4.9	13	3.9	21	6.1	18	6.0	13	4.4	18	5.4	11	3.4
San Francisco	4	1.4	1	0.4	4	1.5	6	2.5	3	1.4	5	2.1	2	1.2	4	2.2	3	2.1
San Joaquin	6	6.3	5	6.5	2	2.8	5	7.8	3	4.6	3	4.1	3	4.2	1	2.0	-	-
San Luis Obispo	-	-	1	7.1	-	-	-	-	1	6.3	-	-	1	11.1	1	9.1	-	-
San Mateo	3	4.0	3	3.5	5	5.4	3	3.5	2	2.5	2	3.2	2	4.3	3	3.8	4	6.0
Santa Barbara	12	16.0	7	11.1	10	14.5	2	5.4	3	10.0	-	-	-	-	2	7.7	2	11.1
Santa Clara	17	6.0	4	1.4	8	2.7	10	3.9	4	1.6	7	2.9	4	1.7	9	4.2	4	1.6
Solano	1	2.7	3	4.6	3	5.8	4	8.9	2	3.9	4	12.5	2	7.4	4	11.4	2	7.7
Sonoma	1	3.4	1	5.3	3	12.5	-	-	1	6.3	1	5.6	1	6.3	-	-	-	-
Stanislaus	1	5.0	2	6.9	-	-	-	-	1	4.0	1	3.0	-	-	-	-	-	-
Tulare	7	14.0	4	9.8	1	2.8	1	4.2	3	11.1	-	-	-	-	1	6.7	2	10.5
Ventura	3	4.8	5	6.8	9	12.9	3	3.8	4	7.0	5	8.1	1	2.3	1	1.9	2	3.0
All Other Jurisdictions*	10	9.1	8	6.5	4	3.5	5	4.1	7	6.9	5	5.7	3	3.8	3	4.0	2	2.9

-Indicates zero cases or zero percent

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

Table 17. Tuberculosis Cases by Race/Ethnicity: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Cases	Race/Ethnicity					
		White Not Hispanic	Black Not Hispanic	Hispanic	Asian/Pacific Islander	American Indian/Alaska Native	Unknown
California	3,169	323	277	1,273	1,285	7	4
Alameda	199	10	32	46	111	-	-
Berkeley	11	1	3	1	6	-	-
Contra Costa	68	13	21	10	24	-	-
Fresno	98	11	4	64	18	1	-
Humboldt	6	6	-	-	-	-	-
Imperial	29	1	-	27	1	-	-
Kern	57	7	1	36	13	-	-
Kings	6	-	2	4	-	-	-
Long Beach	59	2	5	35	17	-	-
Los Angeles	1,025	68	102	489	365	1	-
Madera	12	-	1	11	-	-	-
Marin	12	4	1	3	4	-	-
Mendocino	7	2	-	4	1	-	-
Merced	16	-	2	6	8	-	-
Monterey	24	4	-	11	9	-	-
Napa	7	2	-	4	1	-	-
Orange	230	23	4	77	125	-	1
Pasadena	12	2	1	7	2	-	-
Riverside	68	12	3	41	12	-	-
Sacramento	104	25	8	16	54	-	1
San Bernardino	63	7	7	24	25	-	-
San Diego	326	46	27	154	99	-	-
San Francisco	146	19	25	20	81	1	-
San Joaquin	52	5	4	13	29	1	-
San Luis Obispo	6	1	1	2	2	-	-
San Mateo	67	4	2	17	44	-	-
Santa Barbara	18	4	-	11	3	-	-
Santa Clara	254	9	14	56	172	1	2
Santa Cruz	6	2	-	3	1	-	-
Solano	26	4	4	3	15	-	-
Sonoma	16	2	2	6	5	1	-
Stanislaus	22	5	1	14	2	-	-
Sutter	7	2	-	3	2	-	-
Tulare	19	2	-	15	2	-	-
Ventura	66	8	-	29	29	-	-
Yuba	6	2	-	1	3	-	-
All Other Jurisdictions*	19	8	-	10	-	1	-

-Indicates zero cases.

*Reporting jurisdictions with fewer than 5 cases.

Tuberculosis Control Branch, California Department of Health Services

Table 18. Tuberculosis Cases by U.S.-born and Foreign-born Persons: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	All Cases	U.S.-born		Foreign-born		Unknown	
		No.	%	No.	%	No.	%
California	3,169	758	23.9	2,390	75.4	21	0.7
Alameda	199	51	25.6	148	74.4	-	-
Berkeley	11	4	36.4	7	63.6	-	-
Contra Costa	68	28	41.2	37	54.4	3	4.4
Fresno	98	34	34.7	64	65.3	-	-
Humboldt	6	5	83.3	1	16.7	-	-
Imperial	29	8	27.6	21	72.4	-	-
Kern	57	17	29.8	38	66.7	2	3.5
Kings	6	3	50.0	3	50.0	-	-
Long Beach	59	14	23.7	45	76.3	-	-
Los Angeles	1,025	217	21.2	800	78.0	8	0.8
Madera	12	4	33.3	8	66.7	-	-
Marin	12	4	33.3	8	66.7	-	-
Mendocino	7	2	28.6	5	71.4	-	-
Merced	16	4	25.0	12	75.0	-	-
Monterey	24	5	20.8	19	79.2	-	-
Napa	7	2	28.6	5	71.4	-	-
Orange	230	35	15.2	195	84.8	-	-
Pasadena	12	3	25.0	9	75.0	-	-
Riverside	68	22	32.4	46	67.6	-	-
Sacramento	104	24	23.1	75	72.1	5	4.8
San Bernardino	63	21	33.3	42	66.7	-	-
San Diego	326	102	31.3	224	68.7	-	-
San Francisco	146	46	31.5	100	68.5	-	-
San Joaquin	52	12	23.1	40	76.9	-	-
San Luis Obispo	6	1	16.7	5	83.3	-	-
San Mateo	67	12	17.9	55	82.1	-	-
Santa Barbara	18	5	27.8	13	72.2	-	-
Santa Clara	254	18	7.1	234	92.1	2	0.8
Santa Cruz	6	3	50.0	3	50.0	-	-
Solano	26	8	30.8	18	69.2	-	-
Sonoma	16	3	18.8	12	75.0	1	6.3
Stanislaus	22	5	22.7	17	77.3	-	-
Sutter	7	2	28.6	5	71.4	-	-
Tulare	19	12	63.2	7	36.8	-	-
Ventura	66	9	13.6	57	86.4	-	-
Yuba	6	3	50.0	3	50.0	-	-
All Other Jurisdictions*	19	10	52.6	9	47.4	-	-

-Indicates zero cases or zero percent.

*Reporting jurisdictions with fewer than 5 cases.

Tuberculosis Control Branch, California Department of Health Services

Table 19. Tuberculosis Cases in Foreign-born Persons by Time in the United States: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Foreign-born Cases	≤1 year		1-2 years		3-5 years		6-10 years		11-20 years		>20 years		Unknown Time in U.S.	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	2,390	508	21.3	120	5.0	311	13.0	300	12.6	530	22.2	553	23.1	68	2.8
Alameda	148	30	20.3	9	6.1	26	17.6	18	12.2	34	23.0	30	20.3	1	0.7
Berkeley	7	-	-	1	14.3	3	42.9	1	14.3	2	28.6	-	-	-	-
Contra Costa	37	3	8.1	2	5.4	3	8.1	8	21.6	9	24.3	11	29.7	1	2.7
Fresno	64	18	28.1	10	15.6	5	7.8	5	7.8	11	17.2	10	15.6	5	7.8
Humboldt	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Imperial	21	3	14.3	-	-	-	-	3	14.3	4	19.0	11	52.4	-	-
Kern	38	5	13.2	1	2.6	7	18.4	10	26.3	5	13.2	10	26.3	-	-
Kings	3	-	-	-	-	1	33.3	-	-	1	33.3	1	33.3	-	-
Long Beach	45	9	20.0	4	8.9	6	13.3	6	13.3	7	15.6	3	6.7	10	22.2
Los Angeles	800	175	21.9	31	3.9	94	11.8	93	11.6	181	22.6	203	25.4	23	2.9
Madera	8	2	25.0	1	12.5	-	-	2	25.0	1	12.5	2	25.0	-	-
Marin	8	2	25.0	-	-	2	25.0	1	12.5	-	-	3	37.5	-	-
Mendocino	5	1	20.0	-	-	2	40.0	1	20.0	-	-	1	20.0	-	-
Merced	12	2	16.7	-	-	-	-	2	16.7	4	33.3	3	25.0	1	8.3
Monterey	19	6	31.6	2	10.5	2	10.5	1	5.3	3	15.8	4	21.1	1	5.3
Napa	5	1	20.0	-	-	2	40.0	1	20.0	1	20.0	-	-	-	-
Orange	195	30	15.4	6	3.1	22	11.3	25	12.8	59	30.3	42	21.5	11	5.6
Pasadena	9	3	33.3	-	-	1	11.1	-	-	3	33.3	2	22.2	-	-
Riverside	46	5	10.9	-	-	4	8.7	1	2.2	15	32.6	21	45.7	-	-
Sacramento	75	29	38.7	7	9.3	10	13.3	7	9.3	10	13.3	12	16.0	-	-
San Bernardino	42	8	19.0	2	4.8	5	11.9	5	11.9	12	28.6	7	16.7	3	7.1
San Diego	224	63	28.1	8	3.6	24	10.7	28	12.5	53	23.7	47	21.0	1	0.4
San Francisco	100	25	25.0	5	5.0	10	10.0	10	10.0	19	19.0	31	31.0	-	-
San Joaquin	40	6	15.0	-	-	5	12.5	8	20.0	4	10.0	17	42.5	-	-
San Luis Obispo	5	-	-	-	-	2	40.0	2	40.0	1	20.0	-	-	-	-
San Mateo	55	13	23.6	1	1.8	15	27.3	6	10.9	10	18.2	10	18.2	-	-
Santa Barbara	13	4	30.8	2	15.4	-	-	2	15.4	2	15.4	3	23.1	-	-
Santa Clara	234	39	16.7	17	7.3	44	18.8	45	19.2	49	20.9	38	16.2	2	0.9
Santa Cruz	3	1	33.3	-	-	-	-	-	-	-	-	2	66.7	-	-
Solano	18	5	27.8	1	5.6	2	11.1	2	11.1	6	33.3	2	11.1	-	-
Sonoma	12	2	16.7	1	8.3	1	8.3	-	-	-	-	1	8.3	7	58.3
Stanislaus	17	4	23.5	1	5.9	2	11.8	1	5.9	4	23.5	5	29.4	-	-
Sutter	5	-	-	-	-	1	20.0	1	20.0	-	-	1	20.0	2	40.0
Tulare	7	-	-	1	14.3	1	14.3	1	14.3	2	28.6	2	28.6	-	-
Ventura	57	8	14.0	7	12.3	9	15.8	4	7.0	14	24.6	15	26.3	-	-
Yuba	3	2	66.7	-	-	-	-	-	-	-	-	1	33.3	-	-
All Other Jurisdictions*	9	3	33.3	-	-	-	-	-	-	4	44.4	2	22.2	-	-

-Indicates zero cases or zero percent.

*Reporting Jurisdictions with fewer than 5 total cases.

Table 20. Tuberculosis Cases by Form of Disease: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Cases	Pulmonary*		Extrapulmonary**		Both Pulmonary and Extrapulmonary Disease	
		No.	%	No.	%	No.	%
California	3,169	2,317	73.1	670	21.1	182	5.7
Alameda	199	146	73.4	47	23.6	6	3.0
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Berkeley	11	7	63.6	1	9.1	3	27.3
Butte	1	1	100.0	-	-	-	-
Calaveras	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-
Contra Costa	68	43	63.2	17	25.0	8	11.8
Del Norte	-	-	-	-	-	-	-
El Dorado	3	2	66.7	-	-	1	33.3
Fresno	98	79	80.6	16	16.3	3	3.1
Glenn	-	-	-	-	-	-	-
Humboldt	6	3	50.0	2	33.3	1	16.7
Imperial	29	24	82.8	3	10.3	2	6.9
Inyo	1	1	100.0	-	-	-	-
Kern	57	46	80.7	8	14.0	3	5.3
Kings	6	4	66.7	2	33.3	-	-
Lake	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-
Long Beach	59	44	74.6	10	16.9	5	8.5
Los Angeles	1,025	746	72.8	226	22.0	53	5.2
Madera	12	8	66.7	2	16.7	2	16.7
Marin	12	10	83.3	2	16.7	-	-
Mariposa	-	-	-	-	-	-	-
Mendocino	7	5	71.4	1	14.3	1	14.3
Merced	16	14	87.5	1	6.3	1	6.3
Modoc	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-
Monterey	24	22	91.7	2	8.3	-	-
Napa	7	5	71.4	1	14.3	1	14.3
Nevada	-	-	-	-	-	-	-
Orange	230	157	68.3	53	23.0	20	8.7
Pasadena	12	10	83.3	2	16.7	-	-
Placer	3	3	100.0	-	-	-	-
Plumas	-	-	-	-	-	-	-
Riverside	68	60	88.2	8	11.8	-	-
Sacramento	104	94	90.4	7	6.7	3	2.9
San Benito	3	3	100.0	-	-	-	-
San Bernardino	63	47	74.6	14	22.2	2	3.2
San Diego	326	237	72.7	77	23.6	12	3.7
San Francisco	146	109	74.7	25	17.1	12	8.2
San Joaquin	52	35	67.3	7	13.5	10	19.2
San Luis Obispo	6	4	66.7	2	33.3	-	-
San Mateo	67	47	70.1	18	26.9	2	3.0
Santa Barbara	18	14	77.8	3	16.7	1	5.6
Santa Clara	254	146	57.5	89	35.0	19	7.5
Santa Cruz	6	3	50.0	1	16.7	2	33.3
Shasta	4	3	75.0	1	25.0	-	-
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	26	22	84.6	4	15.4	-	-
Sonoma	16	11	68.8	4	25.0	1	6.3
Stanislaus	22	16	72.7	3	13.6	3	13.6
Sutter	7	5	71.4	2	28.6	-	-
Tehama	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	19	18	94.7	1	5.3	-	-
Tuolumne	-	-	-	-	-	-	-
Ventura	66	55	83.3	6	9.1	5	7.6
Yolo	4	2	50.0	2	50.0	-	-
Yuba	6	6	100.0	-	-	-	-

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

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

- Indicates zero cases or zero percent.

Table 21. Tuberculosis Cases by Verification Criteria: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Cases	Positive Culture		Positive Smear		Clinical Case		Provider Diagnosis	
		No.	%	No.	%	No.	%	No.	%
California	3,169	2,424	76.5	9	0.3	502	15.8	234	7.4
Alameda	199	133	66.8	-	-	49	24.6	17	8.5
Alpine	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-
Berkeley	11	9	81.8	-	-	1	9.1	1	9.1
Butte	1	1	100.0	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-	-	-
Contra Costa	68	51	75.0	-	-	11	16.2	6	8.8
Del Norte	-	-	-	-	-	-	-	-	-
El Dorado	3	3	100.0	-	-	-	-	-	-
Fresno	98	44	44.9	1	1.0	37	37.8	16	16.3
Glenn	-	-	-	-	-	-	-	-	-
Humboldt	6	3	50.0	-	-	-	-	3	50.0
Imperial	29	24	82.8	-	-	3	10.3	2	6.9
Inyo	1	1	100.0	-	-	-	-	-	-
Kern	57	46	80.7	-	-	6	10.5	5	8.8
Kings	6	5	83.3	-	-	1	16.7	-	-
Lake	-	-	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-
Long Beach	59	39	66.1	-	-	20	33.9	-	-
Los Angeles	1,025	782	76.3	1	0.1	175	17.1	67	6.5
Madera	12	8	66.7	1	8.3	3	25.0	-	-
Marin	12	10	83.3	-	-	-	-	2	16.7
Mariposa	-	-	-	-	-	-	-	-	-
Mendocino	7	5	71.4	-	-	-	-	2	28.6
Merced	16	15	93.8	-	-	-	-	1	6.3
Modoc	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-
Monterey	24	22	91.7	-	-	1	4.2	1	4.2
Napa	7	7	100.0	-	-	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-
Orange	230	201	87.4	-	-	26	11.3	3	1.3
Pasadena	12	7	58.3	-	-	-	-	5	41.7
Placer	3	2	66.7	-	-	-	-	1	33.3
Plumas	-	-	-	-	-	-	-	-	-
Riverside	68	54	79.4	3	4.4	4	5.9	7	10.3
Sacramento	104	53	51.0	-	-	31	29.8	20	19.2
San Benito	3	3	100.0	-	-	-	-	-	-
San Bernardino	63	59	93.7	-	-	3	4.8	1	1.6
San Diego	326	281	86.2	-	-	21	6.4	24	7.4
San Francisco	146	120	82.2	-	-	20	13.7	6	4.1
San Joaquin	52	40	76.9	-	-	10	19.2	2	3.8
San Luis Obispo	6	5	83.3	-	-	1	16.7	-	-
San Mateo	67	52	77.6	-	-	9	13.4	6	9.0
Santa Barbara	18	14	77.8	-	-	3	16.7	1	5.6
Santa Clara	254	205	80.7	2	0.8	33	13.0	14	5.5
Santa Cruz	6	3	50.0	-	-	2	33.3	1	16.7
Shasta	4	3	75.0	-	-	1	25.0	-	-
Sierra	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-
Solano	26	19	73.1	-	-	5	19.2	2	7.7
Sonoma	16	14	87.5	-	-	1	6.3	1	6.3
Stanislaus	22	16	72.7	1	4.5	1	4.5	4	18.2
Sutter	7	5	71.4	-	-	1	14.3	1	14.3
Tehama	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-
Tulare	19	16	84.2	-	-	3	15.8	-	-
Tuolumne	-	-	-	-	-	-	-	-	-
Ventura	66	42	63.6	-	-	18	27.3	6	9.1
Yolo	4	2	50.0	-	-	1	25.0	1	25.0
Yuba	6	-	-	-	-	1	16.7	5	83.3

-Indicates zero cases or zero percent.

Table 22. Tuberculosis Cases by Sputum Smear Status: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Pulmonary Cases	Sputum Smear Results							
		Smear Positive		Smear Negative		Smear Not Done		Unknown	
		No.	%	No.	%	No.	%	No.	%
California	2,499	1,095	43.8	1,206	48.3	193	7.7	5	0.2
Alameda	152	43	28.3	93	61.2	16	10.5	-	-
Berkeley	10	4	40.0	5	50.0	1	10.0	-	-
Butte	1	1	100.0	-	-	-	-	-	-
Contra Costa	51	19	37.3	29	56.9	3	5.9	-	-
El Dorado	3	2	66.7	1	33.3	-	-	-	-
Fresno	82	19	23.2	37	45.1	25	30.5	1	1.2
Humboldt	4	3	75.0	1	25.0	-	-	-	-
Imperial	26	13	50.0	10	38.5	3	11.5	-	-
Inyo	1	-	-	1	100.0	-	-	-	-
Kern	49	25	51.0	22	44.9	-	-	2	4.1
Kings	4	1	25.0	2	50.0	1	25.0	-	-
Long Beach	49	21	42.9	19	38.8	9	18.4	-	-
Los Angeles	799	382	47.8	368	46.1	49	6.1	-	-
Madera	10	3	30.0	3	30.0	4	40.0	-	-
Marin	10	3	30.0	7	70.0	-	-	-	-
Mendocino	6	1	16.7	4	66.7	1	16.7	-	-
Merced	15	11	73.3	1	6.7	3	20.0	-	-
Monterey	22	9	40.9	12	54.5	1	4.5	-	-
Napa	6	3	50.0	3	50.0	-	-	-	-
Orange	177	91	51.4	78	44.1	7	4.0	1	0.6
Pasadena	10	3	30.0	7	70.0	-	-	-	-
Placer	3	1	33.3	1	33.3	-	-	1	33.3
Riverside	60	27	45.0	25	41.7	8	13.3	-	-
Sacramento	97	28	28.9	57	58.8	12	12.4	-	-
San Benito	3	2	66.7	-	-	1	33.3	-	-
San Bernardino	49	28	57.1	17	34.7	4	8.2	-	-
San Diego	249	141	56.6	98	39.4	10	4.0	-	-
San Francisco	121	45	37.2	70	57.9	6	5.0	-	-
San Joaquin	45	15	33.3	29	64.4	1	2.2	-	-
San Luis Obispo	4	3	75.0	1	25.0	-	-	-	-
San Mateo	49	14	28.6	32	65.3	3	6.1	-	-
Santa Barbara	15	8	53.3	5	33.3	2	13.3	-	-
Santa Clara	165	62	37.6	95	57.6	8	4.8	-	-
Santa Cruz	5	1	20.0	4	80.0	-	-	-	-
Shasta	3	2	66.7	-	-	1	33.3	-	-
Solano	22	9	40.9	10	45.5	3	13.6	-	-
Sonoma	12	5	41.7	7	58.3	-	-	-	-
Stanislaus	19	8	42.1	8	42.1	3	15.8	-	-
Sutter	5	3	60.0	-	-	2	40.0	-	-
Tulare	18	11	61.1	6	33.3	1	5.6	-	-
Ventura	60	22	36.7	33	55.0	5	8.3	-	-
Yolo	2	2	100.0	-	-	-	-	-	-
Yuba	6	1	16.7	5	83.3	-	-	-	-

- Indicates zero cases or zero percent.

Table 23. Tuberculosis Cases by Chest X-ray Status: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Pulmonary Cases	Cases with Abnormal Chest X-ray	Type of Abnormal Finding							
			Cavitary		Non-Cavitary Consistent w/ TB		Non-Cavitary Not Consistent w/ TB		Unknown	
			No.	%	No.	%	No.	%	No.	%
California	2,499	2,429	516	21.2	1,873	77.1	40	1.6	-	-
Alameda	152	148	24	16.2	124	83.8	-	-	-	-
Berkeley	10	10	3	30.0	7	70.0	-	-	-	-
Butte	1	1	1	100.0	-	-	-	-	-	-
Contra Costa	51	50	13	26.0	37	74.0	-	-	-	-
El Dorado	3	3	2	66.7	1	33.3	-	-	-	-
Fresno	82	81	8	9.9	65	80.2	8	9.9	-	-
Humboldt	4	3	1	33.3	1	33.3	1	33.3	-	-
Imperial	26	26	9	34.6	17	65.4	-	-	-	-
Inyo	1	1	-	-	-	-	1	100.0	-	-
Kern	49	47	23	48.9	23	48.9	1	2.1	-	-
Kings	4	4	1	25.0	1	25.0	2	50.0	-	-
Long Beach	49	49	11	22.4	37	75.5	1	2.0	-	-
Los Angeles	799	765	174	22.7	591	77.3	-	-	-	-
Madera	10	10	3	30.0	7	70.0	-	-	-	-
Marin	10	10	2	20.0	7	70.0	1	10.0	-	-
Mendocino	6	6	-	-	6	100.0	-	-	-	-
Merced	15	15	9	60.0	5	33.3	1	6.7	-	-
Monterey	22	22	5	22.7	16	72.7	1	4.5	-	-
Napa	6	6	1	16.7	2	33.3	3	50.0	-	-
Orange	177	173	35	20.2	134	77.5	4	2.3	-	-
Pasadena	10	10	1	10.0	7	70.0	2	20.0	-	-
Placer	3	3	1	33.3	2	66.7	-	-	-	-
Riverside	60	60	22	36.7	37	61.7	1	1.7	-	-
Sacramento	97	97	14	14.4	82	84.5	1	1.0	-	-
San Benito	3	3	2	66.7	1	33.3	-	-	-	-
San Bernardino	49	47	10	21.3	34	72.3	3	6.4	-	-
San Diego	249	239	49	20.5	187	78.2	3	1.3	-	-
San Francisco	121	117	14	12.0	103	88.0	-	-	-	-
San Joaquin	45	45	5	11.1	39	86.7	1	2.2	-	-
San Luis Obispo	4	4	2	50.0	2	50.0	-	-	-	-
San Mateo	49	49	6	12.2	42	85.7	1	2.0	-	-
Santa Barbara	15	13	3	23.1	10	76.9	-	-	-	-
Santa Clara	165	163	34	20.9	129	79.1	-	-	-	-
Santa Cruz	5	5	1	20.0	4	80.0	-	-	-	-
Shasta	3	3	2	66.7	1	33.3	-	-	-	-
Solano	22	22	4	18.2	17	77.3	1	4.5	-	-
Sonoma	12	12	2	16.7	9	75.0	1	8.3	-	-
Stanislaus	19	19	6	31.6	12	63.2	1	5.3	-	-
Sutter	5	5	4	80.0	1	20.0	-	-	-	-
Tulare	18	18	1	5.6	16	88.9	1	5.6	-	-
Ventura	60	58	7	12.1	51	87.9	-	-	-	-
Yolo	2	2	1	50.0	1	50.0	-	-	-	-
Yuba	6	5	-	-	5	100.0	-	-	-	-

-Indicates zero cases or zero percent.

Tuberculosis Control Branch, California Department of Health Services

Table 24. Tuberculosis Cases by Vital Status at Diagnosis and Initiation of Treatment: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Cases	Dead at Diagnosis		Alive at Diagnosis		Alive and Started Treatment	
		No.	%	No.	%	No.	%
California	3,169	58	1.8	3,109	98.1	3,062	96.6
Alameda	199	-	-	199	100.0	191	96.0
Alpine	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-
Berkeley	11	1	9.1	10	90.9	10	90.9
Butte	1	-	-	1	100.0	1	100.0
Calaveras	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-
Contra Costa	68	2	2.9	66	97.1	66	97.1
Del Norte	-	-	-	-	-	-	-
El Dorado	3	-	-	3	100.0	3	100.0
Fresno	98	2	2.0	96	98.0	96	98.0
Glenn	-	-	-	-	-	-	-
Humboldt	6	-	-	6	100.0	6	100.0
Imperial	29	2	6.9	27	93.1	25	86.2
Inyo	1	-	-	1	100.0	1	100.0
Kern	57	2	3.5	55	96.5	53	93.0
Kings	6	-	-	6	100.0	6	100.0
Lake	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-
Long Beach	59	1	1.7	58	98.3	58	98.3
Los Angeles	1,025	16	1.6	1,009	98.4	987	96.3
Madera	12	-	-	12	100.0	12	100.0
Marin	12	-	-	12	100.0	12	100.0
Mariposa	-	-	-	-	-	-	-
Mendocino	7	-	-	7	100.0	7	100.0
Merced	16	-	-	16	100.0	16	100.0
Modoc	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-
Monterey	24	-	-	24	100.0	23	95.8
Napa	7	-	-	7	100.0	7	100.0
Nevada	-	-	-	-	-	-	-
Orange	230	4	1.7	226	98.3	225	97.8
Pasadena	12	-	-	12	100.0	12	100.0
Placer	3	-	-	3	100.0	3	100.0
Plumas	-	-	-	-	-	-	-
Riverside	68	3	4.4	65	95.6	65	95.6
Sacramento	104	2	1.9	102	98.1	101	97.1
San Benito	3	-	-	3	100.0	3	100.0
San Bernardino	63	4	6.3	59	93.7	59	93.7
San Diego	326	8	2.5	317	97.2	311	95.4
San Francisco	146	3	2.1	143	97.9	143	97.9
San Joaquin	52	2	3.8	50	96.2	50	96.2
San Luis Obispo	6	-	-	6	100.0	6	100.0
San Mateo	67	-	-	67	100.0	67	100.0
Santa Barbara	18	-	-	18	100.0	18	100.0
Santa Clara	254	3	1.2	250	98.4	247	97.2
Santa Cruz	6	-	-	6	100.0	6	100.0
Shasta	4	-	-	4	100.0	4	100.0
Sierra	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-
Solano	26	-	-	26	100.0	25	96.2
Sonoma	16	-	-	16	100.0	16	100.0
Stanislaus	22	1	4.5	21	95.5	21	95.5
Sutter	7	-	-	7	100.0	7	100.0
Tehama	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-
Tulare	19	-	-	19	100.0	19	100.0
Tuolumne	-	-	-	-	-	-	-
Ventura	66	1	1.5	65	98.5	65	98.5
Yolo	4	1	25.0	3	75.0	3	75.0
Yuba	6	-	-	6	100.0	6	100.0

-Indicates zero cases or zero percent.

Table 25. Deaths in Persons with Tuberculosis: Reporting Jurisdictions in California, 2000

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	3,292	281	8.5	55	1.7	13	0.4	213	6.5
Alameda	241	20	8.3	-	-	4	1.7	16	6.6
Alpine	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-
Berkeley	4	-	-	-	-	-	-	-	-
Butte	4	1	25.0	1	25.0	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-
Colusa	1	-	-	-	-	-	-	-	-
Contra Costa	78	6	7.7	1	1.3	-	-	5	6.4
Del Norte	1	-	-	-	-	-	-	-	-
El Dorado	4	2	50.0	1	25.0	-	-	1	25.0
Fresno	91	12	13.2	3	3.3	-	-	9	9.9
Glenn	1	-	-	-	-	-	-	-	-
Humboldt	6	1	16.7	-	-	-	-	1	16.7
Imperial	26	1	3.8	1	3.8	-	-	-	-
Inyo	1	-	-	-	-	-	-	-	-
Kern	49	3	6.1	2	4.1	-	-	1	2.0
Kings	8	-	-	-	-	-	-	-	-
Lake	2	-	-	-	-	-	-	-	-
Lassen	1	1	100.0	1	100.0	-	-	-	-
Long Beach	63	4	6.3	2	3.2	-	-	2	3.2
Los Angeles	1,061	92	8.7	13	1.2	4	0.4	75	7.1
Madera	14	1	7.1	-	-	-	-	1	7.1
Marin	11	-	-	-	-	-	-	-	-
Mariposa	2	-	-	-	-	-	-	-	-
Mendocino	4	-	-	-	-	-	-	-	-
Merced	10	2	20.0	1	10.0	-	-	1	10.0
Modoc	2	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-
Monterey	39	5	12.8	1	2.6	-	-	4	10.3
Napa	3	1	33.3	1	33.3	-	-	-	-
Nevada	1	-	-	-	-	-	-	-	-
Orange	246	14	5.7	2	0.8	-	-	12	4.9
Pasadena	13	1	7.7	-	-	-	-	1	7.7
Placer	1	-	-	-	-	-	-	-	-
Plumas	1	-	-	-	-	-	-	-	-
Riverside	71	8	11.3	1	1.4	-	-	7	9.9
Sacramento	118	10	8.5	1	0.8	1	0.8	8	6.8
San Benito	2	-	-	-	-	-	-	-	-
San Bernardino	103	8	7.8	2	1.9	-	-	6	5.8
San Diego	295	28	9.5	4	1.4	-	-	24	8.1
San Francisco	170	19	11.2	6	3.5	-	-	13	7.6
San Joaquin	72	11	15.3	5	6.9	1	1.4	5	6.9
San Luis Obispo	9	-	-	-	-	-	-	-	-
San Mateo	46	4	8.7	1	2.2	-	-	3	6.5
Santa Barbara	22	2	9.1	1	4.5	-	-	1	4.5
Santa Clara	234	8	3.4	1	0.4	2	0.9	5	2.1
Santa Cruz	4	-	-	-	-	-	-	-	-
Shasta	5	1	20.0	-	-	-	-	1	20.0
Sierra	-	-	-	-	-	-	-	-	-
Siskiyou	1	1	100.0	-	-	-	-	1	100.0
Solano	27	2	7.4	-	-	-	-	2	7.4
Sonoma	16	-	-	-	-	-	-	-	-
Stanislaus	18	3	16.7	1	5.6	-	-	2	11.1
Sutter	4	-	-	-	-	-	-	-	-
Tehama	2	1	50.0	-	-	-	-	1	50.0
Trinity	-	-	-	-	-	-	-	-	-
Tulare	17	3	17.6	1	5.9	-	-	2	11.8
Tuolumne	2	-	-	-	-	-	-	-	-
Ventura	44	4	9.1	-	-	1	2.3	3	6.8
Yolo	9	1	11.1	1	11.1	-	-	-	-
Yuba	12	-	-	-	-	-	-	-	-

-Indicates zero cases or zero percent.

Table 26. Tuberculosis Cases by Initial Drug Regimen: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Cases Alive at Diagnosis	Cases Started on Initial Drug Regimen		Initial Drug Regimen* (%)				
		No.	%	IR	IRZ	IRE	IRZ,E/S	Other
California	3,109	3,062	98.5	1.6	4.3	1.5	88.3	4.3
Alameda	199	191	96.0	-	4.2	2.1	92.7	1.0
Alpine	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-
Berkeley	10	10	100.0	-	-	-	90.0	10.0
Butte	1	1	100.0	-	-	-	100.0	-
Calaveras	-	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-	-
Contra Costa	66	66	100.0	1.5	1.5	3.0	87.9	6.1
Del Norte	-	-	-	-	-	-	-	-
El Dorado	3	3	100.0	-	-	-	100.0	-
Fresno	96	96	100.0	-	5.2	1.0	86.5	7.3
Glenn	-	-	-	-	-	-	-	-
Humboldt	6	6	100.0	-	-	-	100.0	-
Imperial	27	25	92.6	-	-	-	100.0	-
Inyo	1	1	100.0	-	-	-	100.0	-
Kern	55	53	96.4	3.8	17.0	1.9	69.8	7.5
Kings	6	6	100.0	-	-	-	100.0	-
Lake	-	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-
Long Beach	58	58	100.0	32.8	13.8	-	48.3	5.2
Los Angeles	1,009	987	97.8	0.7	4.5	1.7	89.2	4.0
Madera	12	12	100.0	-	-	-	91.7	8.3
Marin	12	12	100.0	-	-	-	83.3	16.7
Mariposa	-	-	-	-	-	-	-	-
Mendocino	7	7	100.0	-	-	-	100.0	-
Merced	16	16	100.0	-	6.3	6.3	75.0	12.5
Modoc	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-
Monterey	24	23	95.8	-	-	-	95.7	4.3
Napa	7	7	100.0	-	14.3	-	85.7	-
Nevada	-	-	-	-	-	-	-	-
Orange	226	225	99.6	0.4	2.7	0.4	92.0	4.4
Pasadena	12	12	100.0	25.0	8.3	-	66.7	-
Placer	3	3	100.0	-	66.7	-	-	33.3
Plumas	-	-	-	-	-	-	-	-
Riverside	65	65	100.0	-	3.1	-	93.8	3.1
Sacramento	102	101	99.0	-	3.0	1.0	96.0	-
San Benito	3	3	100.0	-	-	-	100.0	-
San Bernardino	59	59	100.0	3.4	6.8	1.7	83.1	5.1
San Diego	317	311	98.1	1.3	4.5	1.6	85.2	7.4
San Francisco	143	143	100.0	1.4	2.1	2.1	88.1	6.3
San Joaquin	50	50	100.0	2.0	-	4.0	86.0	8.0
San Luis Obispo	6	6	100.0	-	-	-	100.0	-
San Mateo	67	67	100.0	-	3.0	-	94.0	3.0
Santa Barbara	18	18	100.0	-	-	-	100.0	-
Santa Clara	250	247	98.8	0.8	2.4	0.8	93.9	2.0
Santa Cruz	6	6	100.0	-	-	-	66.7	33.3
Shasta	4	4	100.0	-	50.0	-	50.0	-
Sierra	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-
Solano	26	25	96.2	-	16.0	-	84.0	-
Sonoma	16	16	100.0	6.3	6.3	-	87.5	-
Stanislaus	21	21	100.0	-	4.8	19.0	71.4	4.8
Sutter	7	7	100.0	-	-	-	100.0	-
Tehama	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-
Tulare	19	19	100.0	-	5.3	-	84.2	10.5
Tuolumne	-	-	-	-	-	-	-	-
Ventura	65	65	100.0	7.7	1.5	-	86.2	4.6
Yolo	3	3	100.0	-	-	-	100.0	-
Yuba	6	6	100.0	-	16.7	-	83.3	-

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

-Indicates zero cases or zero percent.

Table 27. Tuberculosis Cases by Type of Health Care Provider: Reporting Jurisdictions in California, 2000

Reporting Jurisdiction	Total Cases	Cases w/ Initial Drug Regimen Prescribed	Cases w/ Information on Type of Health Care Provider		Type of Health Care Provider					
			No.	%	Health Department Only		Private/ Other Only		Both Health Dept. and Private/Other	
					No.	%	No.	%	No.	%
California	3,292	3,210	3,161	98.5	1,585	50.1	1,048	33.2	528	16.7
Alameda	241	236	236	100.0	1	0.4	234	99.2	1	0.4
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-
Berkeley	4	4	4	100.0	-	-	3	75.0	1	25.0
Butte	4	3	3	100.0	-	-	-	-	3	100.0
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	1	1	1	100.0	-	-	-	-	1	100.0
Contra Costa	78	77	77	100.0	40	51.9	23	29.9	14	18.2
Del Norte	1	1	1	100.0	-	-	1	100.0	-	-
El Dorado	4	3	3	100.0	3	100.0	-	-	-	-
Fresno	91	87	87	100.0	65	74.7	11	12.6	11	12.6
Glenn	1	1	1	100.0	1	100.0	-	-	-	-
Humboldt	6	6	6	100.0	-	-	-	-	6	100.0
Imperial	26	25	25	100.0	19	76.0	6	24.0	-	-
Inyo	1	1	-	-	-	-	-	-	-	-
Kern	49	47	46	97.9	14	30.4	8	17.4	24	52.2
Kings	8	8	8	100.0	5	62.5	2	25.0	1	12.5
Lake	2	2	2	100.0	-	-	1	50.0	1	50.0
Lassen	1	-	-	-	-	-	-	-	-	-
Long Beach	63	61	60	98.4	47	78.3	12	20.0	1	1.7
Los Angeles	1,061	1,037	1,029	99.2	561	54.5	221	21.5	247	24.0
Madera	14	14	14	100.0	5	35.7	5	35.7	4	28.6
Marin	11	11	11	100.0	5	45.5	5	45.5	1	9.1
Mariposa	2	2	2	100.0	-	-	1	50.0	1	50.0
Mendocino	4	4	4	100.0	4	100.0	-	-	-	-
Merced	10	9	9	100.0	6	66.7	3	33.3	-	-
Modoc	2	2	2	100.0	-	-	1	50.0	1	50.0
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	39	38	36	94.7	9	25.0	10	27.8	17	47.2
Napa	3	2	2	100.0	-	-	2	100.0	-	-
Nevada	1	1	1	100.0	-	-	1	100.0	-	-
Orange	246	244	242	99.2	173	71.5	16	6.6	53	21.9
Pasadena	13	12	12	100.0	5	41.7	5	41.7	2	16.7
Placer	1	1	1	100.0	-	-	-	-	1	100.0
Plumas	1	1	1	100.0	-	-	-	-	1	100.0
Riverside	71	68	67	98.5	29	43.3	19	28.4	19	28.4
Sacramento	118	115	115	100.0	95	82.6	18	15.7	2	1.7
San Benito	2	2	2	100.0	1	50.0	1	50.0	-	-
San Bernardino	103	101	96	95.0	42	43.8	34	35.4	20	20.8
San Diego	295	290	285	98.3	106	37.2	157	55.1	22	7.7
San Francisco	170	164	164	100.0	111	67.7	50	30.5	3	1.8
San Joaquin	72	66	66	100.0	30	45.5	33	50.0	3	4.5
San Luis Obispo	9	9	9	100.0	6	66.7	-	-	3	33.3
San Mateo	46	45	42	93.3	19	45.2	19	45.2	4	9.5
Santa Barbara	22	21	20	95.2	14	70.0	-	-	6	30.0
Santa Clara	234	231	230	99.6	94	40.9	116	50.4	20	8.7
Santa Cruz	4	4	4	100.0	2	50.0	2	50.0	-	-
Shasta	5	5	5	100.0	1	20.0	1	20.0	3	60.0
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	1	1	1	100.0	-	-	1	100.0	-	-
Solano	27	27	16	59.3	8	50.0	6	37.5	2	12.5
Sonoma	16	16	11	68.8	6	54.5	3	27.3	2	18.2
Stanislaus	18	17	17	100.0	12	70.6	4	23.5	1	5.9
Sutter	4	4	3	75.0	-	-	-	-	3	100.0
Tehama	2	2	2	100.0	-	-	1	50.0	1	50.0
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	17	16	16	100.0	11	68.8	2	12.5	3	18.8
Tuolumne	2	2	2	100.0	-	-	2	100.0	-	-
Ventura	44	43	42	97.7	30	71.4	6	14.3	6	14.3
Yolo	9	8	8	100.0	-	-	2	25.0	6	75.0
Yuba	12	12	12	100.0	5	41.7	-	-	7	58.3

-Indicates zero cases or zero percent.

Table 28. Tuberculosis Cases by Type of Therapy Administration: Reporting Jurisdictions in California, 2000

Reporting Jurisdiction	Total Cases	Cases w/ Initial Drug Regimen Prescribed	Cases w/ Information on Type of Therapy Administration		Type of Therapy Administration*					
			No.	%	SAT Only		DOT Only		DOT and SAT	
					No.	%	No.	%	No.	%
California	3,292	3,210	3,145	98.0	888	28.2	1,835	58.3	422	13.4
Alameda	241	236	236	100.0	123	52.1	51	21.6	62	26.3
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-
Berkeley	4	4	4	100.0	2	50.0	1	25.0	1	25.0
Butte	4	3	3	100.0	-	-	-	-	3	100.0
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	1	1	1	100.0	-	-	-	-	1	100.0
Contra Costa	78	77	77	100.0	33	42.9	42	54.5	2	2.6
Del Norte	1	1	1	100.0	-	-	-	-	1	100.0
El Dorado	4	3	3	100.0	-	-	1	33.3	2	66.7
Fresno	91	87	87	100.0	6	6.9	50	57.5	31	35.6
Glenn	1	1	1	100.0	-	-	1	100.0	-	-
Humboldt	6	6	6	100.0	4	66.7	1	16.7	1	16.7
Imperial	26	25	25	100.0	2	8.0	16	64.0	7	28.0
Inyo	1	1	-	-	-	-	-	-	-	-
Kern	49	47	46	97.9	4	8.7	8	17.4	34	73.9
Kings	8	8	8	100.0	-	-	8	100.0	-	-
Lake	2	2	2	100.0	1	50.0	-	-	1	50.0
Lassen	1	-	-	-	-	-	-	-	-	-
Long Beach	63	61	60	98.4	32	53.3	21	35.0	7	11.7
Los Angeles	1,061	1,037	1,017	98.1	268	26.4	749	73.6	-	-
Madera	14	14	14	100.0	5	35.7	7	50.0	2	14.3
Marin	11	11	11	100.0	2	18.2	4	36.4	5	45.5
Mariposa	2	2	1	50.0	1	100.0	-	-	-	-
Mendocino	4	4	4	100.0	-	-	3	75.0	1	25.0
Merced	10	9	9	100.0	3	33.3	2	22.2	4	44.4
Modoc	2	2	2	100.0	1	50.0	1	50.0	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	39	38	36	94.7	12	33.3	6	16.7	18	50.0
Napa	3	2	2	100.0	2	100.0	-	-	-	-
Nevada	1	1	1	100.0	1	100.0	-	-	-	-
Orange	246	244	242	99.2	4	1.7	218	90.1	20	8.3
Pasadena	13	12	12	100.0	5	41.7	6	50.0	1	8.3
Placer	1	1	1	100.0	-	-	-	-	1	100.0
Plumas	1	1	1	100.0	-	-	1	100.0	-	-
Riverside	71	68	65	95.6	20	30.8	30	46.2	15	23.1
Sacramento	118	115	113	98.3	14	12.4	94	83.2	5	4.4
San Benito	2	2	2	100.0	-	-	2	100.0	-	-
San Bernardino	103	101	96	95.0	27	28.1	22	22.9	47	49.0
San Diego	295	290	285	98.3	44	15.4	202	70.9	39	13.7
San Francisco	170	164	164	100.0	91	55.5	50	30.5	23	14.0
San Joaquin	72	66	66	100.0	11	16.7	42	63.6	13	19.7
San Luis Obispo	9	9	9	100.0	-	-	1	11.1	8	88.9
San Mateo	46	45	42	93.3	11	26.2	19	45.2	12	28.6
Santa Barbara	22	21	20	95.2	2	10.0	18	90.0	-	-
Santa Clara	234	231	230	99.6	111	48.3	104	45.2	15	6.5
Santa Cruz	4	4	4	100.0	2	50.0	1	25.0	1	25.0
Shasta	5	5	5	100.0	1	20.0	1	20.0	3	60.0
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	1	1	1	100.0	1	100.0	-	-	-	-
Solano	27	27	16	59.3	3	18.8	3	18.8	10	62.5
Sonoma	16	16	11	68.8	5	45.5	3	27.3	3	27.3
Stanislaus	18	17	17	100.0	1	5.9	10	58.8	6	35.3
Sutter	4	4	4	100.0	-	-	3	75.0	1	25.0
Tehama	2	2	2	100.0	-	-	1	50.0	1	50.0
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	17	16	16	100.0	-	-	10	62.5	6	37.5
Tuolumne	2	2	1	50.0	-	-	1	100.0	-	-
Ventura	44	43	43	100.0	27	62.8	14	32.6	2	4.7
Yolo	9	8	8	100.0	4	50.0	-	-	4	50.0
Yuba	12	12	12	100.0	2	16.7	7	58.3	3	25.0

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

-Indicates zero cases or zero percent.

Table 29. Tuberculosis Cases by AIDS Diagnosis (Dx)*: Reporting Jurisdictions in California, 1996-2001

	1995			1996			1997			1998			1999			2000			2001		
	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	4,656	402	8.6	4,288	334	7.8	4,045	266	6.6	3,850	227	5.9	3,606	220	6.1	3,292	144	4.4	3,331	149	4.5
Alameda	238	14	5.9	234	21	9.0	192	6	3.1	223	12	5.4	224	7	3.1	241	9	3.7	196	6	3.1
Contra Costa	103	9	8.7	117	6	5.1	105	7	6.7	102	3	2.9	97	2	2.1	78	3	3.8	105	7	6.7
Fresno	72	3	4.2	68	2	2.9	92	7	7.6	115	4	3.5	100	10	10.0	91	3	3.3	97	4	4.1
Humboldt	10	-	-	7	-	-	8	0	-	15	-	-	8	-	-	6	1	16.7	7	-	-
Imperial	38	1	2.6	40	1	2.5	39	1	2.6	39	-	-	38	-	-	26	-	-	25	-	-
Kern	78	3	3.8	71	2	2.8	63	4	6.3	48	2	4.2	62	5	8.1	49	2	4.1	52	2	3.8
Kings	18	-	-	31	1	3.2	14	2	14.3	18	4	22.2	11	1	9.1	8	-	-	11	-	-
Long Beach	91	1	1.1	98	11	11.2	99	4	4.0	57	2	3.5	88	8	9.1	63	3	4.8	50	4	8.0
Los Angeles	1,615	201	12.4	1,370	124	9.1	1,346	120	8.9	1,293	111	8.6	1,167	86	7.4	1,061	59	5.6	1,043	54	5.2
Madera	11	-	-	10	-	-	10	0	-	6	-	-	8	-	-	14	-	-	11	-	-
Marin	22	3	13.6	16	-	-	12	1	8.3	20	1	5.0	10	1	10.0	11	2	18.2	15	1	6.7
Merced	18	-	-	19	-	-	11	0	-	8	-	-	11	1	9.1	10	1	10.0	15	1	6.7
Monterey	53	-	-	36	3	8.3	45	1	2.2	48	1	2.1	48	3	6.3	39	-	-	38	1	2.6
Orange	336	16	4.8	273	9	3.3	330	16	4.8	298	11	3.7	246	10	4.1	246	14	5.7	278	6	2.2
Pasadena	27	3	11.1	24	4	16.7	11	1	9.1	19	-	-	8	1	12.5	13	-	-	17	-	-
Riverside	95	9	9.5	98	11	11.2	66	9	13.6	74	2	2.7	79	6	7.6	71	3	4.2	66	3	4.5
Sacramento	135	1	0.7	148	6	4.1	141	4	2.8	112	4	3.6	95	3	3.2	118	-	-	130	4	3.1
San Bernardino	123	12	9.8	128	19	14.8	128	10	7.8	100	6	6.0	113	7	6.2	103	6	5.8	82	2	2.4
San Diego	438	36	8.2	384	31	8.1	332	25	7.5	342	31	9.1	299	24	8.0	295	14	4.7	332	25	7.5
San Francisco	270	49	18.1	261	40	15.3	241	24	10.0	207	18	8.7	235	25	10.6	170	9	5.3	182	13	7.1
San Joaquin	77	2	2.6	72	-	-	64	4	6.3	65	4	6.2	74	3	4.1	72	2	2.8	51	4	7.8
San Luis Obispo	14	2	14.3	11	-	-	9	0	-	16	1	6.3	6	-	-	9	-	-	11	-	-
San Mateo	86	3	3.5	92	5	5.4	85	2	2.4	80	3	3.8	63	2	3.2	46	-	-	78	2	2.6
Santa Barbara	63	-	-	69	1	1.4	37	1	2.7	30	1	3.3	26	1	3.8	22	1	4.5	26	-	-
Santa Clara	285	7	2.5	296	8	2.7	258	6	2.3	252	3	1.2	244	4	1.6	234	5	2.1	214	3	1.4
Solano	65	15	23.1	52	7	13.5	45	1	2.2	51	-	-	32	1	3.1	27	-	-	35	1	2.9
Sonoma	19	-	-	24	1	4.2	12	0	-	16	1	6.3	18	-	-	16	-	-	10	1	10.0
Stanislaus	29	-	-	26	2	7.7	35	1	2.9	25	1	4.0	33	2	6.1	18	3	16.7	18	-	-
Tulare	41	-	-	36	3	8.3	24	0	-	27	-	-	22	1	4.5	17	-	-	15	1	6.7
Ventura	73	3	4.1	70	4	5.7	78	4	5.1	57	1	1.8	62	1	1.6	44	2	4.5	53	2	3.8
Yolo	10	-	-	14	2	14.3	14	1	7.1	8	-	-	9	1	11.1	9	-	-	5	-	-
All Other Jurisdictions**	103	9	8.7	93	10	10.8	99	4	4.0	79	-	-	70	4	5.7	65	2	3.1	63	2	3.2

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

** Reporting jurisdictions with fewer than 5 cases in any year (1995-2001)

- Indicates zero cases or zero percent.

Table 30. Tuberculosis Cases Among Residents of Correctional Facilities*: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Cases	Cases with Information on Residence in a Correctional Facility		Cases Diagnosed in Correctional Facility		Type of Correctional Facility					
		No.	%	No.	%	State Prison		Local Jail		Other/Unknown	
						No.	%	No.	%	No.	%
California	3,169	3,151	99.4	71	2.3	12	16.9	35	49.3	24	33.8
Alameda	199	198	99.5	1	0.5	-	-	1	100.0	-	-
Berkeley	11	11	100.0	-	-	-	-	-	-	-	-
Contra Costa	68	68	100.0	1	1.5	-	-	1	100.0	-	-
Fresno	98	98	100.0	-	-	-	-	-	-	-	-
Humboldt	6	6	100.0	-	-	-	-	-	-	-	-
Imperial	29	29	100.0	7	24.1	2	28.6	2	28.6	3	42.9
Kern	57	55	96.5	8	14.5	4	50.0	-	-	4	50.0
Kings	6	6	100.0	1	16.7	1	100.0	-	-	-	-
Long Beach	59	59	100.0	-	-	-	-	-	-	-	-
Los Angeles	1,025	1,023	99.8	19	1.9	-	-	11	57.9	8	42.1
Madera	12	12	100.0	3	25.0	2	66.7	1	33.3	-	-
Marin	12	12	100.0	-	-	-	-	-	-	-	-
Mendocino	7	7	100.0	-	-	-	-	-	-	-	-
Merced	16	16	100.0	-	-	-	-	-	-	-	-
Monterey	24	24	100.0	1	4.2	1	100.0	-	-	-	-
Napa	7	7	100.0	-	-	-	-	-	-	-	-
Orange	230	229	99.6	5	2.2	-	-	4	80.0	1	20.0
Pasadena	12	12	100.0	-	-	-	-	-	-	-	-
Riverside	68	68	100.0	-	-	-	-	-	-	-	-
Sacramento	104	104	100.0	-	-	-	-	-	-	-	-
San Bernardino	63	63	100.0	2	3.2	2	100.0	-	-	-	-
San Diego	326	318	97.5	16	5.0	-	-	8	50.0	8	50.0
San Francisco	146	146	100.0	-	-	-	-	-	-	-	-
San Joaquin	52	52	100.0	1	1.9	-	-	1	100.0	-	-
San Luis Obispo	6	6	100.0	-	-	-	-	-	-	-	-
San Mateo	67	67	100.0	-	-	-	-	-	-	-	-
Santa Barbara	18	17	94.4	-	-	-	-	-	-	-	-
Santa Clara	254	251	98.8	3	1.2	-	-	3	100.0	-	-
Santa Cruz	6	6	100.0	-	-	-	-	-	-	-	-
Solano	26	26	100.0	-	-	-	-	-	-	-	-
Sonoma	16	16	100.0	-	-	-	-	-	-	-	-
Stanislaus	22	22	100.0	1	4.5	-	-	1	100.0	-	-
Sutter	7	7	100.0	-	-	-	-	-	-	-	-
Tulare	19	19	100.0	-	-	-	-	-	-	-	-
Ventura	66	66	100.0	1	1.5	-	-	1	100.0	-	-
Yuba	6	6	100.0	1	16.7	-	-	1	100.0	-	-
All Other Jurisdictions**	19	19	100.0	-	-	-	-	-	-	-	-

*Residence in correctional facility at the time of diagnosis.

-Indicates zero cases or zero percent.

** Reporting jurisdictions with fewer than 5 cases.

Table 31. Tuberculosis Cases by Homeless Status*: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Cases	Cases with Information on Homeless Status		Cases with Homeless Status	
		No.	%	No.	%
California	3,169	3,132	98.8	202	6.4
Alameda	199	199	100.0	4	2.0
Berkeley	11	11	100.0	1	9.1
Contra Costa	68	67	98.5	3	4.5
Fresno	98	97	99.0	6	6.2
Humboldt	6	6	100.0	3	50.0
Imperial	29	29	100.0	2	6.9
Kern	57	55	96.5	5	9.1
Kings	6	6	100.0	-	-
Long Beach	59	59	100.0	6	10.2
Los Angeles	1,025	1,011	98.6	70	6.9
Madera	12	12	100.0	2	16.7
Marin	12	12	100.0	1	8.3
Mendocino	7	7	100.0	-	-
Merced	16	16	100.0	-	-
Monterey	24	22	91.7	1	4.5
Napa	7	7	100.0	-	-
Orange	230	225	97.8	3	1.3
Pasadena	12	12	100.0	-	-
Riverside	68	68	100.0	1	1.5
Sacramento	104	104	100.0	7	6.7
San Bernardino	63	62	98.4	-	-
San Diego	326	323	99.1	17	5.3
San Francisco	146	146	100.0	38	26.0
San Joaquin	52	52	100.0	4	7.7
San Luis Obispo	6	6	100.0	-	-
San Mateo	67	67	100.0	2	3.0
Santa Barbara	18	18	100.0	3	16.7
Santa Clara	254	249	98.0	10	4.0
Santa Cruz	6	6	100.0	-	-
Solano	26	26	100.0	-	-
Sonoma	16	16	100.0	-	-
Stanislaus	22	22	100.0	3	13.6
Sutter	7	7	100.0	1	14.3
Tulare	19	19	100.0	1	5.3
Ventura	66	66	100.0	5	7.6
Yuba	6	4	66.7	-	-
All Other Jurisdictions**	19	18	94.7	3	16.7

* Homeless within past 12 months.

- Indicates zero cases or zero percent.

** Reporting jurisdictions with fewer than 5 cases.

Table 32. Tuberculosis Cases Among Persons in Long-term Care Facilities*: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Cases	Cases with Information On Residence in Long-term Care		Cases Diagnosed in a Long-term Care Facility	
		No.	%	No.	%
California	3,169	3,153	99.5	76	2.4
Alameda	199	198	99.5	6	3.0
Berkeley	11	11	100.0	-	-
Contra Costa	68	68	100.0	1	1.5
Fresno	98	97	99.0	2	2.1
Humboldt	6	6	100.0	-	-
Imperial	29	29	100.0	1	3.4
Kern	57	56	98.2	2	3.6
Kings	6	6	100.0	-	-
Long Beach	59	59	100.0	1	1.7
Los Angeles	1,025	1,023	99.8	8	0.8
Madera	12	12	100.0	-	-
Marin	12	12	100.0	1	8.3
Mendocino	7	7	100.0	-	-
Merced	16	16	100.0	1	6.3
Monterey	24	24	100.0	1	4.2
Napa	7	7	100.0	-	-
Orange	230	229	99.6	10	4.4
Pasadena	12	12	100.0	-	-
Riverside	68	68	100.0	5	7.4
Sacramento	104	104	100.0	-	-
San Bernardino	63	63	100.0	2	3.2
San Diego	326	318	97.5	21	6.6
San Francisco	146	146	100.0	2	1.4
San Joaquin	52	52	100.0	-	-
San Luis Obispo	6	6	100.0	-	-
San Mateo	67	67	100.0	1	1.5
Santa Barbara	18	18	100.0	1	5.6
Santa Clara	254	252	99.2	6	2.4
Santa Cruz	6	6	100.0	-	-
Solano	26	26	100.0	-	-
Sonoma	16	16	100.0	-	-
Stanislaus	22	22	100.0	-	-
Sutter	7	7	100.0	-	-
Tulare	19	19	100.0	1	5.3
Ventura	66	66	100.0	1	1.5
Yuba	6	6	100.0	-	-
All Other Jurisdictions**	19	19	100.0	2	10.5

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

- Indicates zero cases or zero percent.

** Reporting jurisdictions with fewer than 5 cases.

Table 33. Tuberculosis Cases Among Persons Using Injecting Drugs*: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Cases	Cases with Information On Injecting Drug Use		Cases with Injecting Drug Use	
		No.	%	No.	%
California	3,169	3,062	96.6	71	2.3
Alameda	199	199	100.0	2	1.0
Berkeley	11	11	100.0	-	-
Contra Costa	68	63	92.6	2	3.2
Fresno	98	95	96.9	1	1.1
Humboldt	6	6	100.0	-	-
Imperial	29	28	96.6	2	7.1
Kern	57	55	96.5	2	3.6
Kings	6	6	100.0	-	-
Long Beach	59	58	98.3	-	-
Los Angeles	1,025	997	97.3	22	2.2
Madera	12	12	100.0	1	8.3
Marin	12	12	100.0	-	-
Mendocino	7	7	100.0	-	-
Merced	16	11	68.8	-	-
Monterey	24	23	95.8	1	4.3
Napa	7	7	100.0	-	-
Orange	230	223	97.0	2	0.9
Pasadena	12	12	100.0	-	-
Riverside	68	67	98.5	4	6.0
Sacramento	104	100	96.2	2	2.0
San Bernardino	63	58	92.1	1	1.7
San Diego	326	306	93.9	8	2.6
San Francisco	146	144	98.6	16	11.1
San Joaquin	52	52	100.0	1	1.9
San Luis Obispo	6	5	83.3	-	-
San Mateo	67	66	98.5	-	-
Santa Barbara	18	18	100.0	-	-
Santa Clara	254	243	95.7	1	0.4
Santa Cruz	6	6	100.0	-	-
Solano	26	26	100.0	1	3.8
Sonoma	16	13	81.3	-	-
Stanislaus	22	22	100.0	-	-
Sutter	7	7	100.0	-	-
Tulare	19	19	100.0	1	5.3
Ventura	66	66	100.0	-	-
Yuba	6	2	33.3	-	-
All Other Jurisdictions**	19	17	89.5	1	5.9

*Injecting drug use within past 12 months.

- Indicates zero cases or zero percent.

** Reporting jurisdictions with fewer than 5 cases.

Table 34. Tuberculosis Cases Among Persons Using Non-injecting Drugs*: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Cases	Cases with Information On Non-injecting Drug Use		Cases with Non-injecting Drug Use**	
		No.	%	No.	%
California	3,169	3,058	96.5	167	5.5
Alameda	199	199	100.0	10	5.0
Berkeley	11	11	100.0	-	-
Contra Costa	68	63	92.6	10	15.9
Fresno	98	91	92.9	4	4.4
Humboldt	6	6	100.0	-	-
Imperial	29	28	96.6	1	3.6
Kern	57	55	96.5	5	9.1
Kings	6	6	100.0	-	-
Long Beach	59	58	98.3	4	6.9
Los Angeles	1,025	1,000	97.6	56	5.6
Madera	12	12	100.0	3	25.0
Marin	12	12	100.0	1	8.3
Mendocino	7	7	100.0	-	-
Merced	16	12	75.0	1	8.3
Monterey	24	23	95.8	1	4.3
Napa	7	7	100.0	-	-
Orange	230	223	97.0	6	2.7
Pasadena	12	11	91.7	-	-
Riverside	68	67	98.5	1	1.5
Sacramento	104	100	96.2	2	2.0
San Bernardino	63	57	90.5	2	3.5
San Diego	326	303	92.9	15	5.0
San Francisco	146	144	98.6	19	13.2
San Joaquin	52	52	100.0	3	5.8
San Luis Obispo	6	5	83.3	-	-
San Mateo	67	66	98.5	-	-
Santa Barbara	18	18	100.0	2	11.1
Santa Clara	254	245	96.5	5	2.0
Santa Cruz	6	6	100.0	-	-
Solano	26	23	88.5	-	-
Sonoma	16	13	81.3	-	-
Stanislaus	22	22	100.0	6	27.3
Sutter	7	7	100.0	-	-
Tulare	19	19	100.0	4	21.1
Ventura	66	66	100.0	2	3.0
Yuba	6	3	50.0	1	-
All Other Jurisdictions***	19	18	94.7	3	16.7

*Non-injecting drug use within past 12 months.

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

- Indicates zero cases or zero percent.

***Reporting jurisdictions with fewer than 5 cases.

Table 35. Tuberculosis Cases Among Persons Using Excess Alcohol*: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Cases	Cases with Information On Excess Alcohol Use		Cases with Excess Alcohol Use**	
		No.	%	No.	%
California	3,169	3,055	96.4	322	10.5
Alameda	199	199	100.0	16	8.0
Berkeley	11	9	81.8	-	-
Contra Costa	68	62	91.2	4	6.5
Fresno	98	89	90.8	9	10.1
Humboldt	6	6	100.0	1	16.7
Imperial	29	28	96.6	6	21.4
Kern	57	52	91.2	13	25.0
Kings	6	6	100.0	-	-
Long Beach	59	58	98.3	12	20.7
Los Angeles	1,025	1,000	97.6	118	11.8
Madera	12	12	100.0	2	16.7
Marin	12	12	100.0	2	16.7
Mendocino	7	7	100.0	-	-
Merced	16	11	68.8	1	-
Monterey	24	23	95.8	4	17.4
Napa	7	7	100.0	1	14.3
Orange	230	223	97.0	11	4.9
Pasadena	12	11	91.7	1	9.1
Riverside	68	67	98.5	11	16.4
Sacramento	104	100	96.2	11	11.0
San Bernardino	63	59	93.7	4	6.8
San Diego	326	304	93.3	27	8.9
San Francisco	146	144	98.6	21	14.6
San Joaquin	52	52	100.0	5	9.6
San Luis Obispo	6	6	100.0	-	-
San Mateo	67	66	98.5	3	4.5
Santa Barbara	18	18	100.0	3	16.7
Santa Clara	254	244	96.1	9	3.7
Santa Cruz	6	6	100.0	-	-
Solano	26	25	96.2	3	12.0
Sonoma	16	14	87.5	2	14.3
Stanislaus	22	22	100.0	5	22.7
Sutter	7	7	100.0	1	14.3
Tulare	19	19	100.0	4	21.1
Ventura	66	66	100.0	9	13.6
Yuba	6	2	33.3	-	-
All Other Jurisdictions***	19	19	100.0	3	15.8

*Excess alcohol use within the past 12 months.

**Percentages not reported when information is available is less than 75% of the cases.

-Indicates zero cases or zero percent.

***Reporting jurisdictions with fewer than 5 cases.

Table 36. Tuberculosis Cases by Occupation*: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Cases	Cases with Information On Occupation		Occupation**									
				Not Employed		Health Care Worker		Correctional Employee		Migrant Worker		Other Occupation	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	3,169	3,032	95.7	1,862	61.4	70	2.3	-	-	61	2.0	1,040	34.3
Alameda	199	198	99.5	122	61.6	3	1.5	-	-	1	0.5	72	36.4
Berkeley	11	11	100.0	6	54.5	-	-	-	-	-	-	5	45.5
Contra Costa	68	66	97.1	48	72.7	5	7.6	-	-	-	-	13	19.7
Fresno	98	92	93.9	62	67.4	1	1.1	-	-	9	9.8	20	21.7
Humboldt	6	6	100.0	4	66.7	-	-	-	-	-	-	2	33.3
Imperial	29	25	86.2	5	20.0	-	-	-	-	10	40.0	10	40.0
Kern	57	53	93.0	24	45.3	3	5.7	-	-	6	11.3	20	37.7
Kings	6	5	83.3	2	40.0	-	-	-	-	1	20.0	2	40.0
Long Beach	59	56	94.9	38	67.9	2	3.6	-	-	-	-	16	28.6
Los Angeles	1,025	1,002	97.8	667	66.6	14	1.4	-	-	-	-	321	32.0
Madera	12	12	100.0	3	25.0	-	-	-	-	6	50.0	4	33.3
Marin	12	11	91.7	3	27.3	-	-	-	-	-	-	8	72.7
Mendocino	7	6	85.7	3	50.0	-	-	-	-	2	33.3	1	16.7
Merced	16	12	75.0	8	66.7	1	8.3	-	-	1	8.3	2	16.7
Monterey	24	21	87.5	11	52.4	1	4.8	-	-	3	14.3	6	28.6
Napa	7	6	85.7	2	33.3	-	-	-	-	1	16.7	3	50.0
Orange	230	212	92.2	114	53.8	10	4.7	-	-	-	-	88	41.5
Pasadena	12	11	91.7	7	63.6	-	-	-	-	-	-	4	36.4
Riverside	68	64	94.1	35	54.7	2	3.1	-	-	2	3.1	25	39.1
Sacramento	104	90	86.5	63	70.0	-	-	-	-	-	-	27	30.0
San Bernardino	63	59	93.7	31	52.5	6	10.2	-	-	-	-	22	37.3
San Diego	326	310	95.1	196	63.2	4	1.3	-	-	-	-	110	35.5
San Francisco	146	146	100.0	108	74.0	1	0.7	-	-	-	-	37	25.3
San Joaquin	52	52	100.0	29	55.8	2	3.8	-	-	2	3.8	19	36.5
San Luis Obispo	6	6	100.0	1	16.7	-	-	-	-	1	16.7	4	66.7
San Mateo	67	67	100.0	29	43.3	3	4.5	-	-	-	-	35	52.2
Santa Barbara	18	13	72.2	11	-	-	-	-	-	1	-	1	-
Santa Clara	254	241	94.9	130	53.9	8	3.3	-	-	1	0.4	102	42.3
Santa Cruz	6	6	100.0	5	83.3	-	-	-	-	-	-	1	16.7
Solano	26	24	92.3	18	75.0	-	-	-	-	-	-	6	25.0
Sonoma	16	14	87.5	5	35.7	-	-	-	-	1	7.1	8	57.1
Stanislaus	22	22	100.0	11	50.0	1	4.5	-	-	1	4.5	9	40.9
Sutter	7	7	100.0	5	71.4	-	-	-	-	1	14.3	1	14.3
Tulare	19	19	100.0	14	73.7	-	-	-	-	3	15.8	2	10.5
Ventura	66	66	100.0	28	42.4	2	3.0	-	-	6	9.1	30	45.5
Yuba	6	2	33.3	2	-	-	-	-	-	-	-	-	-
All Other Jurisdictions***	19	19	100.0	12	63.2	1	5.3	-	-	2	10.5	4	21.1

* Occupation within past 24 months.

** Percentages not reported when information is available for less than 75% of the cases. A case may report more than one occupation.

-Indicates zero cases or zero percent.

***Reporting jurisdictions with fewer than 5 cases.

Table 37. Tuberculosis Cases by Initial Drug Susceptibility Testing: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Cases	Total Culture Positive Cases	Cases with Initial Drug Susceptibility Testing	
			No.	%
California	3,169	2,424	2,314	95.5
Alameda	199	133	132	99.2
Alpine	-	-	-	-
Amador	-	-	-	-
Berkeley	11	9	8	88.9
Butte	1	1	1	100.0
Calaveras	-	-	-	-
Colusa	-	-	-	-
Contra Costa	68	51	46	90.2
Del Norte	-	-	-	-
El Dorado	3	3	3	100.0
Fresno	98	44	39	88.6
Glenn	-	-	-	-
Humboldt	6	3	3	100.0
Imperial	29	24	22	91.7
Inyo	1	1	1	100.0
Kern	57	46	41	89.1
Kings	6	5	5	100.0
Lake	-	-	-	-
Lassen	-	-	-	-
Long Beach	59	39	37	94.9
Los Angeles	1,025	782	771	98.6
Madera	12	8	8	100.0
Marin	12	10	10	100.0
Mariposa	-	-	-	-
Mendocino	7	5	5	100.0
Merced	16	15	13	86.7
Modoc	-	-	-	-
Mono	-	-	-	-
Monterey	24	22	21	95.5
Napa	7	7	7	100.0
Nevada	-	-	-	-
Orange	230	201	186	92.5
Pasadena	12	7	7	100.0
Placer	3	2	2	100.0
Plumas	-	-	-	-
Riverside	68	54	44	81.5
Sacramento	104	53	52	98.1
San Benito	3	3	3	100.0
San Bernardino	63	59	56	94.9
San Diego	326	281	265	94.3
San Francisco	146	120	119	99.2
San Joaquin	52	40	39	97.5
San Luis Obispo	6	5	5	100.0
San Mateo	67	52	51	98.1
Santa Barbara	18	14	13	92.9
Santa Clara	254	205	199	97.1
Santa Cruz	6	3	3	100.0
Shasta	4	3	3	100.0
Sierra	-	-	-	-
Siskiyou	-	-	-	-
Solano	26	19	10	52.6
Sonoma	16	14	12	85.7
Stanislaus	22	16	16	100.0
Sutter	7	5	5	100.0
Tehama	-	-	-	-
Trinity	-	-	-	-
Tulare	19	16	13	81.3
Tuolumne	-	-	-	-
Ventura	66	42	37	88.1
Yolo	4	2	1	50.0
Yuba	6	-	-	-

-Indicates zero cases or zero percent.

Table 38. Tuberculosis Cases by Resistance to Isoniazid and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Culture Positive Cases	All Cases*				No Prior TB			Prior TB		
		No. with INH** Susceptibility Testing	Cases with Resistance to INH		No. with INH Susceptibility Testing	Cases with Resistance to INH		No. with INH Susceptibility Testing	Cases with Resistance to INH		
			No.	%		No.	%		No.	%	
California	2,424	2,312	245	10.6	2,184	221	10.1	124	24	19.4	
Alameda	133	132	19	14.4	123	18	14.6	9	1	11.1	
Alpine	-	-	-	-	-	-	-	-	-	-	
Amador	-	-	-	-	-	-	-	-	-	-	
Berkeley	9	8	-	-	8	-	-	-	-	-	
Butte	1	1	-	-	1	-	-	-	-	-	
Calaveras	-	-	-	-	-	-	-	-	-	-	
Colusa	-	-	-	-	-	-	-	-	-	-	
Contra Costa	51	46	3	6.5	43	3	7.0	3	-	-	
Del Norte	-	-	-	-	-	-	-	-	-	-	
El Dorado	3	3	-	-	3	-	-	-	-	-	
Fresno	44	39	2	5.1	36	2	5.6	3	-	-	
Glenn	-	-	-	-	-	-	-	-	-	-	
Humboldt	3	3	-	-	3	-	-	-	-	-	
Imperial	24	22	5	22.7	20	4	20.0	2	1	50.0	
Inyo	1	1	-	-	1	-	-	-	-	-	
Kern	46	41	6	14.6	38	6	15.8	2	-	-	
Kings	5	5	-	-	5	-	-	-	-	-	
Lake	-	-	-	-	-	-	-	-	-	-	
Lassen	-	-	-	-	-	-	-	-	-	-	
Long Beach	39	37	1	2.7	36	1	2.8	1	-	-	
Los Angeles	782	771	80	10.4	725	71	9.8	46	9	19.6	
Madera	8	8	1	12.5	8	1	12.5	-	-	-	
Marin	10	10	1	10.0	9	1	11.1	1	-	-	
Mariposa	-	-	-	-	-	-	-	-	-	-	
Mendocino	5	5	2	40.0	5	2	40.0	-	-	-	
Merced	15	13	1	7.7	12	1	8.3	1	-	-	
Modoc	-	-	-	-	-	-	-	-	-	-	
Mono	-	-	-	-	-	-	-	-	-	-	
Monterey	22	21	2	9.5	20	1	5.0	1	1	100.0	
Napa	7	7	-	-	7	-	-	-	-	-	
Nevada	-	-	-	-	-	-	-	-	-	-	
Orange	201	186	21	11.3	177	19	10.7	8	2	25.0	
Pasadena	7	7	-	-	6	-	-	1	-	-	
Placer	2	2	-	-	2	-	-	-	-	-	
Plumas	-	-	-	-	-	-	-	-	-	-	
Riverside	54	44	-	-	41	-	-	3	-	-	
Sacramento	53	52	5	9.6	50	5	10.0	2	-	-	
San Benito	3	3	-	-	3	-	-	-	-	-	
San Bernardino	59	56	5	8.9	55	5	9.1	1	-	-	
San Diego	281	265	30	11.3	254	27	10.6	11	3	27.3	
San Francisco	120	119	11	9.2	105	6	5.7	14	5	35.7	
San Joaquin	40	39	4	10.3	37	4	10.8	2	-	-	
San Luis Obispo	5	5	1	20.0	5	1	20.0	-	-	-	
San Mateo	52	51	8	15.7	47	7	14.9	4	1	25.0	
Santa Barbara	14	12	4	33.3	11	4	36.4	1	-	-	
Santa Clara	205	199	21	10.6	192	21	10.9	5	-	-	
Santa Cruz	3	3	-	-	3	-	-	-	-	-	
Shasta	3	3	-	-	3	-	-	-	-	-	
Sierra	-	-	-	-	-	-	-	-	-	-	
Siskiyou	-	-	-	-	-	-	-	-	-	-	
Solano	19	10	1	10.0	10	1	10.0	-	-	-	
Sonoma	14	11	2	18.2	11	2	18.2	-	-	-	
Stanislaus	16	16	-	-	16	-	-	-	-	-	
Sutter	5	5	-	-	4	-	-	1	-	-	
Tehama	-	-	-	-	-	-	-	-	-	-	
Trinity	-	-	-	-	-	-	-	-	-	-	
Tulare	16	13	2	15.4	13	2	15.4	-	-	-	
Tuolumne	-	-	-	-	-	-	-	-	-	-	
Ventura	42	37	7	18.9	35	6	17.1	2	1	50.0	
Yolo	2	1	-	-	1	-	-	-	-	-	
Yuba	-	-	-	-	-	-	-	-	-	-	

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

** INH=Isoniazid

- Indicates zero cases or zero percent.

Table 39. Tuberculosis Cases by Resistance to Rifampin and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Culture Positive Cases	All Cases*			No Prior TB			Prior TB		
		No. with RIF** Susceptibility Testing	Cases with Resistance to RIF		No. with RIF Susceptibility Testing	Cases with Resistance to RIF		No. with RIF Susceptibility Testing	Cases with Resistance to RIF	
			No.	%		No.	%		No.	%
California	2,424	2,312	46	2.0	2,184	36	1.6	124	10	8.1
Alameda	133	132	-	-	123	-	-	9	-	-
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-
Berkeley	9	8	-	-	8	-	-	-	-	-
Butte	1	1	-	-	1	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-	-	-	-
Contra Costa	51	46	-	-	43	-	-	3	-	-
Del Norte	-	-	-	-	-	-	-	-	-	-
El Dorado	3	3	-	-	3	-	-	-	-	-
Fresno	44	39	-	-	36	-	-	3	-	-
Glenn	-	-	-	-	-	-	-	-	-	-
Humboldt	3	3	-	-	3	-	-	-	-	-
Imperial	24	22	2	9.1	20	1	5.0	2	1	50.0
Inyo	1	1	-	-	1	-	-	-	-	-
Kern	46	41	2	4.9	38	2	5.3	2	-	-
Kings	5	5	-	-	5	-	-	-	-	-
Lake	-	-	-	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-
Long Beach	39	37	1	2.7	36	1	2.8	1	-	-
Los Angeles	782	771	12	1.6	725	9	1.2	46	3	6.5
Madera	8	8	1	12.5	8	1	12.5	-	-	-
Marin	10	10	-	-	9	-	-	1	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	5	5	-	-	5	-	-	-	-	-
Merced	15	13	1	7.7	12	1	8.3	1	-	-
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	22	21	2	9.5	20	1	5.0	1	1	100.0
Napa	7	7	-	-	7	-	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	-
Orange	201	186	1	0.5	177	-	-	8	1	12.5
Pasadena	7	7	-	-	6	-	-	1	-	-
Placer	2	2	-	-	2	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	54	44	1	2.3	41	1	2.4	3	-	-
Sacramento	53	52	1	1.9	50	1	2.0	2	-	-
San Benito	3	3	-	-	3	-	-	-	-	-
San Bernardino	59	56	1	1.8	55	1	1.8	1	-	-
San Diego	281	265	8	3.0	254	7	2.8	11	1	9.1
San Francisco	120	119	4	3.4	105	2	1.9	14	2	14.3
San Joaquin	40	39	1	2.6	37	1	2.7	2	-	-
San Luis Obispo	5	5	1	20.0	5	1	20.0	-	-	-
San Mateo	52	51	2	3.9	47	1	2.1	4	1	25.0
Santa Barbara	14	12	2	16.7	11	2	18.2	1	-	-
Santa Clara	205	198	1	0.5	191	1	0.5	5	-	-
Santa Cruz	3	3	-	-	3	-	-	-	-	-
Shasta	3	3	-	-	3	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	19	10	1	10.0	10	1	10.0	-	-	-
Sonoma	14	12	1	8.3	12	1	8.3	-	-	-
Stanislaus	16	16	-	-	16	-	-	-	-	-
Sutter	5	5	-	-	4	-	-	1	-	-
Tehama	-	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	16	13	-	-	13	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	42	37	-	-	35	-	-	2	-	-
Yolo	2	1	-	-	1	-	-	-	-	-
Yuba	-	-	-	-	-	-	-	-	-	-

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

**RIF=Rifampin

- Indicates zero cases or zero percent.

Table 40. Tuberculosis Cases by Resistance to Ethambutol and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Culture Positive Cases	All Cases*				No Prior TB			Prior TB		
		No. with EMB** Susceptibility Testing	Cases with Resistance to EMB		No. with EMB Susceptibility Testing	Cases with Resistance to EMB		No. with EMB Susceptibility Testing	Cases with Resistance to EMB		
			No.	%		No.	%		No.	%	
California	2,424	2,306	54	2.3	2,178	44	2.0	124	10	8.1	
Alameda	133	130	1	0.8	121	1	0.8	9	-	-	
Alpine	-	-	-	-	-	-	-	-	-	-	
Amador	-	-	-	-	-	-	-	-	-	-	
Berkeley	9	8	1	12.5	8	1	12.5	-	-	-	
Butte	1	1	-	-	1	-	-	-	-	-	
Calaveras	-	-	-	-	-	-	-	-	-	-	
Colusa	-	-	-	-	-	-	-	-	-	-	
Contra Costa	51	46	-	-	43	-	-	3	-	-	
Del Norte	-	-	-	-	-	-	-	-	-	-	
El Dorado	3	3	-	-	3	-	-	-	-	-	
Fresno	44	39	1	2.6	36	1	2.8	3	-	-	
Glenn	-	-	-	-	-	-	-	-	-	-	
Humboldt	3	3	-	-	3	-	-	-	-	-	
Imperial	24	22	4	18.2	20	3	15.0	2	1	50.0	
Inyo	1	1	-	-	1	-	-	-	-	-	
Kern	46	39	2	5.1	36	2	5.6	2	-	-	
Kings	5	5	-	-	5	-	-	-	-	-	
Lake	-	-	-	-	-	-	-	-	-	-	
Lassen	-	-	-	-	-	-	-	-	-	-	
Long Beach	39	37	1	2.7	36	1	2.8	1	-	-	
Los Angeles	782	771	15	1.9	725	11	1.5	46	4	8.7	
Madera	8	8	1	12.5	8	1	12.5	-	-	-	
Marin	10	10	-	-	9	-	-	1	-	-	
Mariposa	-	-	-	-	-	-	-	-	-	-	
Mendocino	5	5	-	-	5	-	-	-	-	-	
Merced	15	13	1	7.7	12	1	8.3	1	-	-	
Modoc	-	-	-	-	-	-	-	-	-	-	
Mono	-	-	-	-	-	-	-	-	-	-	
Monterey	22	21	2	9.5	20	1	5.0	1	1	100.0	
Napa	7	7	-	-	7	-	-	-	-	-	
Nevada	-	-	-	-	-	-	-	-	-	-	
Orange	201	185	5	2.7	176	4	2.3	8	1	12.5	
Pasadena	7	7	-	-	6	-	-	1	-	-	
Placer	2	2	-	-	2	-	-	-	-	-	
Plumas	-	-	-	-	-	-	-	-	-	-	
Riverside	54	44	-	-	41	-	-	3	-	-	
Sacramento	53	52	-	-	50	-	-	2	-	-	
San Benito	3	3	-	-	3	-	-	-	-	-	
San Bernardino	59	56	-	-	55	-	-	1	-	-	
San Diego	281	265	4	1.5	254	4	1.6	11	-	-	
San Francisco	120	119	3	2.5	105	1	1.0	14	2	14.3	
San Joaquin	40	39	1	2.6	37	1	2.7	2	-	-	
San Luis Obispo	5	5	-	-	5	-	-	-	-	-	
San Mateo	52	51	2	3.9	47	1	2.1	4	1	25.0	
Santa Barbara	14	12	-	-	11	-	-	1	-	-	
Santa Clara	205	198	5	2.5	191	5	2.6	5	-	-	
Santa Cruz	3	3	-	-	3	-	-	-	-	-	
Shasta	3	3	-	-	3	-	-	-	-	-	
Sierra	-	-	-	-	-	-	-	-	-	-	
Siskiyou	-	-	-	-	-	-	-	-	-	-	
Solano	19	10	1	10.0	10	1	10.0	-	-	-	
Sonoma	14	11	4	36.4	11	4	36.4	-	-	-	
Stanislaus	16	16	-	-	16	-	-	-	-	-	
Sutter	5	5	-	-	4	-	-	1	-	-	
Tehama	-	-	-	-	-	-	-	-	-	-	
Trinity	-	-	-	-	-	-	-	-	-	-	
Tulare	16	13	-	-	13	-	-	-	-	-	
Tuolumne	-	-	-	-	-	-	-	-	-	-	
Ventura	42	37	-	-	35	-	-	2	-	-	
Yolo	2	1	-	-	1	-	-	-	-	-	
Yuba	-	-	-	-	-	-	-	-	-	-	

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

**EMB=Ethambutol

- Indicates zero cases or zero percent.

Table 41. Tuberculosis Cases by Resistance to Pyrazinamide and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Culture Positive Cases	All Cases*			No Prior TB			Prior TB		
		No. with PZA** Susceptibility Testing	Cases with Resistance to PZA		No. with PZA Susceptibility Testing	Cases with Resistance to PZA		No. with PZA Susceptibility Testing	Cases with Resistance to PZA	
			No.	%		No.	%		No.	%
California	2,424	2,188	112	5.1	2,069	100	4.8	117	12	10.3
Alameda	133	115	2	1.7	107	2	1.9	8	-	-
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-
Berkeley	9	7	-	-	7	-	-	-	-	-
Butte	1	1	-	-	1	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-	-	-	-
Contra Costa	51	43	-	-	40	-	-	3	-	-
Del Norte	-	-	-	-	-	-	-	-	-	-
El Dorado	3	3	-	-	3	-	-	-	-	-
Fresno	44	37	-	-	35	-	-	2	-	-
Glenn	-	-	-	-	-	-	-	-	-	-
Humboldt	3	3	-	-	3	-	-	-	-	-
Imperial	24	21	5	23.8	19	4	21.1	2	1	50.0
Inyo	1	1	-	-	1	-	-	-	-	-
Kern	46	11	-	-	10	-	-	1	-	-
Kings	5	3	-	-	3	-	-	-	-	-
Lake	-	-	-	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-
Long Beach	39	35	-	-	34	-	-	1	-	-
Los Angeles	782	752	32	4.3	708	29	4.1	44	3	6.8
Madera	8	3	1	33.3	3	1	33.3	-	-	-
Marin	10	10	2	20.0	9	2	22.2	1	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	5	5	-	-	5	-	-	-	-	-
Merced	15	12	-	-	11	-	-	1	-	-
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	22	21	1	4.8	20	-	-	1	1	100.0
Napa	7	3	1	33.3	3	1	33.3	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	-
Orange	201	184	5	2.7	176	4	2.3	8	1	12.5
Pasadena	7	7	-	-	6	-	-	1	-	-
Placer	2	2	-	-	2	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	54	41	5	12.2	38	5	13.2	3	-	-
Sacramento	53	52	1	1.9	50	1	2.0	2	-	-
San Benito	3	3	1	33.3	3	1	33.3	-	-	-
San Bernardino	59	51	3	5.9	50	3	6.0	1	-	-
San Diego	281	262	32	12.2	251	31	12.4	11	1	9.1
San Francisco	120	118	5	4.2	104	2	1.9	14	3	21.4
San Joaquin	40	39	1	2.6	37	1	2.7	2	-	-
San Luis Obispo	5	5	-	-	5	-	-	-	-	-
San Mateo	52	51	2	3.9	47	1	2.1	4	1	25.0
Santa Barbara	14	12	-	-	11	-	-	1	-	-
Santa Clara	205	197	6	3.0	191	6	3.1	4	-	-
Santa Cruz	3	3	-	-	3	-	-	-	-	-
Shasta	3	2	-	-	2	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	19	10	1	10.0	10	1	10.0	-	-	-
Sonoma	14	7	-	-	7	-	-	-	-	-
Stanislaus	16	16	-	-	16	-	-	-	-	-
Sutter	5	5	-	-	4	-	-	1	-	-
Tehama	-	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	16	9	-	-	9	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	42	25	6	24.0	24	5	20.8	1	1	100.0
Yolo	2	1	-	-	1	-	-	-	-	-
Yuba	-	-	-	-	-	-	-	-	-	-

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

**PZA=Pyrazinamide

- Indicates zero cases or zero percent.

Table 42. Tuberculosis Cases by Resistance to Streptomycin and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Culture Positive Cases	All Cases*			No Prior TB			Prior TB		
		No. with SM** Susceptibility Testing	Cases with Resistance to SM		No. with SM Susceptibility Testing	Cases with Resistance to SM		No. with SM Susceptibility Testing	Cases with Resistance to SM	
			No.	%		No.	%		No.	%
California	2,424	1,905	188	9.9	1,796	178	9.9	105	10	9.5
Alameda	133	92	7	7.6	87	7	8.0	5	-	-
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-
Berkeley	9	7	-	-	7	-	-	-	-	-
Butte	1	1	-	-	1	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-	-	-	-
Contra Costa	51	36	2	5.6	34	2	5.9	2	-	-
Del Norte	-	-	-	-	-	-	-	-	-	-
El Dorado	3	2	-	-	2	-	-	-	-	-
Fresno	44	38	6	15.8	35	6	17.1	3	-	-
Glenn	-	-	-	-	-	-	-	-	-	-
Humboldt	3	1	-	-	1	-	-	-	-	-
Imperial	24	19	7	36.8	17	6	35.3	2	1	50.0
Inyo	1	1	-	-	1	-	-	-	-	-
Kern	46	35	4	11.4	32	4	12.5	2	-	-
Kings	5	3	-	-	3	-	-	-	-	-
Lake	-	-	-	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-
Long Beach	39	34	2	5.9	33	2	6.1	1	-	-
Los Angeles	782	771	63	8.2	725	58	8.0	46	5	10.9
Madera	8	8	1	12.5	8	1	12.5	-	-	-
Marin	10	1	1	100.0	1	1	100.0	-	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	5	2	-	-	2	-	-	-	-	-
Merced	15	3	3	100.0	3	3	100.0	-	-	-
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	22	3	1	33.3	2	-	-	1	1	100.0
Napa	7	1	-	-	1	-	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	-
Orange	201	184	23	12.5	175	22	12.6	8	1	12.5
Pasadena	7	4	-	-	4	-	-	-	-	-
Placer	2	1	-	-	1	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	54	43	1	2.3	40	1	2.5	3	-	-
Sacramento	53	43	9	20.9	43	9	20.9	-	-	-
San Benito	3	1	-	-	1	-	-	-	-	-
San Bernardino	59	54	3	5.6	53	3	5.7	1	-	-
San Diego	281	92	9	9.8	88	9	10.2	4	-	-
San Francisco	120	117	8	6.8	104	8	7.7	13	-	-
San Joaquin	40	38	2	5.3	36	2	5.6	2	-	-
San Luis Obispo	5	1	1	100.0	1	1	100.0	-	-	-
San Mateo	52	41	3	7.3	37	2	5.4	4	1	25.0
Santa Barbara	14	12	2	16.7	11	2	18.2	1	-	-
Santa Clara	205	155	29	18.7	149	28	18.8	4	1	25.0
Santa Cruz	3	2	-	-	2	-	-	-	-	-
Shasta	3	3	-	-	3	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	19	-	-	-	-	-	-	-	-	-
Sonoma	14	1	-	-	1	-	-	-	-	-
Stanislaus	16	4	-	-	4	-	-	-	-	-
Sutter	5	5	-	-	4	-	-	1	-	-
Tehama	-	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	16	12	1	8.3	12	1	8.3	-	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	42	34	-	-	32	-	-	2	-	-
Yolo	2	-	-	-	-	-	-	-	-	-
Yuba	-	-	-	-	-	-	-	-	-	-

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

**SM=Streptomycin

- Indicates zero cases or zero percent.

Table 43. Tuberculosis Cases by Resistance to Isoniazid and Rifampin and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	All Cases*				No Prior TB			Prior TB		
	Total Culture Positive Cases	No. with INH/RIF** Susceptibility Testing	Cases with Resistance to INH/RIF		No. with INH/RIF Susceptibility Testing	Cases with Resistance to INH/RIF		No. with INH/RIF Susceptibility Testing	Cases with Resistance to INH/RIF	
			No.	%		No.	%		No.	%
California	2,424	2,311	41	1.8	2,183	31	1.4	124	10	8.1
Alameda	133	132	-	-	123	-	-	9	-	-
Alpine	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-
Berkeley	9	8	-	-	8	-	-	-	-	-
Butte	1	1	-	-	1	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-	-	-	-
Contra Costa	51	46	-	-	43	-	-	3	-	-
Del Norte	-	-	-	-	-	-	-	-	-	-
El Dorado	3	3	-	-	3	-	-	-	-	-
Fresno	44	39	-	-	36	-	-	3	-	-
Glenn	-	-	-	-	-	-	-	-	-	-
Humboldt	3	3	-	-	3	-	-	-	-	-
Imperial	24	22	2	9.1	20	1	5.0	2	1	50.0
Inyo	1	1	-	-	1	-	-	-	-	-
Kern	46	41	2	4.9	38	2	5.3	2	-	-
Kings	5	5	-	-	5	-	-	-	-	-
Lake	-	-	-	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-
Long Beach	39	37	1	2.7	36	1	2.8	1	-	-
Los Angeles	782	771	11	1.4	725	8	1.1	46	3	6.5
Madera	8	8	1	12.5	8	1	12.5	-	-	-
Marin	10	10	-	-	9	-	-	1	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-
Mendocino	5	5	-	-	5	-	-	-	-	-
Merced	15	13	1	7.7	12	1	8.3	1	-	-
Modoc	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-
Monterey	22	21	2	9.5	20	1	5.0	1	1	100.0
Napa	7	7	-	-	7	-	-	-	-	-
Nevada	-	-	-	-	-	-	-	-	-	-
Orange	201	186	1	0.5	177	-	-	8	1	12.5
Pasadena	7	7	-	-	6	-	-	1	-	-
Placer	2	2	-	-	2	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-	-
Riverside	54	44	-	-	41	-	-	3	-	-
Sacramento	53	52	1	1.9	50	1	2.0	2	-	-
San Benito	3	3	-	-	3	-	-	-	-	-
San Bernardino	59	56	-	-	55	-	-	1	-	-
San Diego	281	265	6	2.3	254	5	2.0	11	1	9.1
San Francisco	120	119	4	3.4	105	2	1.9	14	2	14.3
San Joaquin	40	39	1	2.6	37	1	2.7	2	-	-
San Luis Obispo	5	5	1	20.0	5	1	20.0	-	-	-
San Mateo	52	51	2	3.9	47	1	2.1	4	1	25.0
Santa Barbara	14	12	2	16.7	11	2	18.2	1	-	-
Santa Clara	205	198	1	0.5	191	1	0.5	5	-	-
Santa Cruz	3	3	-	-	3	-	-	-	-	-
Shasta	3	3	-	-	3	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-
Solano	19	10	1	10.0	10	1	10.0	-	-	-
Sonoma	14	11	1	9.1	11	1	9.1	-	-	-
Stanislaus	16	16	-	-	16	-	-	-	-	-
Sutter	5	5	-	-	4	-	-	1	-	-
Tehama	-	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-
Tulare	16	13	-	-	13	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-
Ventura	42	37	-	-	35	-	-	2	-	-
Yolo	2	1	-	-	1	-	-	-	-	-
Yuba	-	-	-	-	-	-	-	-	-	-

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

**INH=Isoniazid, RIF=Rifampin

- Indicates zero cases or zero percent.

Table 44. Tuberculosis Cases by Resistance to at Least One First-line Drug* and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2002

Reporting Jurisdiction	Total Culture Positive Cases	All Cases**				No Prior TB			Prior TB		
		No. with Susceptibility Testing	Cases with Resistance to \geq One Drug		No. with Susceptibility Testing	Cases with Resistance to \geq One Drug		No. with Susceptibility Testing	Cases with Resistance to \geq One Drug		
			No.	%		No.	%		No.	%	
California	2,424	2,313	341	14.7	2,185	315	14.4	124	26	21.0	
Alameda	133	132	20	15.2	123	19	15.4	9	1	11.1	
Alpine	-	-	-	-	-	-	-	-	-	-	
Amador	-	-	-	-	-	-	-	-	-	-	
Berkeley	9	8	1	12.5	8	1	12.5	-	-	-	
Butte	1	1	-	-	1	-	-	-	-	-	
Calaveras	-	-	-	-	-	-	-	-	-	-	
Colusa	-	-	-	-	-	-	-	-	-	-	
Contra Costa	51	46	3	6.5	43	3	7.0	3	-	-	
Del Norte	-	-	-	-	-	-	-	-	-	-	
El Dorado	3	3	-	-	3	-	-	-	-	-	
Fresno	44	39	3	7.7	36	3	8.3	3	-	-	
Glenn	-	-	-	-	-	-	-	-	-	-	
Humboldt	3	3	-	-	3	-	-	-	-	-	
Imperial	24	22	8	36.4	20	7	35.0	2	1	50.0	
Inyo	1	1	-	-	1	-	-	-	-	-	
Kern	46	41	6	14.6	38	6	15.8	2	-	-	
Kings	5	5	-	-	5	-	-	-	-	-	
Lake	-	-	-	-	-	-	-	-	-	-	
Lassen	-	-	-	-	-	-	-	-	-	-	
Long Beach	39	37	1	2.7	36	1	2.8	1	-	-	
Los Angeles	782	771	107	13.9	725	97	13.4	46	10	21.7	
Madera	8	8	1	12.5	8	1	12.5	-	-	-	
Marin	10	10	3	30.0	9	3	33.3	1	-	-	
Mariposa	-	-	-	-	-	-	-	-	-	-	
Mendocino	5	5	2	40.0	5	2	40.0	-	-	-	
Merced	15	13	1	7.7	12	1	8.3	1	-	-	
Modoc	-	-	-	-	-	-	-	-	-	-	
Mono	-	-	-	-	-	-	-	-	-	-	
Monterey	22	21	2	9.5	20	1	5.0	1	1	100.0	
Napa	7	7	1	14.3	7	1	14.3	-	-	-	
Nevada	-	-	-	-	-	-	-	-	-	-	
Orange	201	186	24	12.9	177	22	12.4	8	2	25.0	
Pasadena	7	7	-	-	6	-	-	1	-	-	
Placer	2	2	-	-	2	-	-	-	-	-	
Plumas	-	-	-	-	-	-	-	-	-	-	
Riverside	54	44	6	13.6	41	6	14.6	3	-	-	
Sacramento	53	52	6	11.5	50	6	12.0	2	-	-	
San Benito	3	3	1	33.3	3	1	33.3	-	-	-	
San Bernardino	59	56	9	16.1	55	9	16.4	1	-	-	
San Diego	281	265	60	22.6	254	57	22.4	11	3	27.3	
San Francisco	120	119	13	10.9	105	7	6.7	14	6	42.9	
San Joaquin	40	39	4	10.3	37	4	10.8	2	-	-	
San Luis Obispo	5	5	1	20.0	5	1	20.0	-	-	-	
San Mateo	52	51	9	17.6	47	8	17.0	4	1	25.0	
Santa Barbara	14	12	4	33.3	11	4	36.4	1	-	-	
Santa Clara	205	199	26	13.1	192	26	13.5	5	-	-	
Santa Cruz	3	3	-	-	3	-	-	-	-	-	
Shasta	3	3	-	-	3	-	-	-	-	-	
Sierra	-	-	-	-	-	-	-	-	-	-	
Siskiyou	-	-	-	-	-	-	-	-	-	-	
Solano	19	10	1	10.0	10	1	10.0	-	-	-	
Sonoma	14	12	5	41.7	12	5	41.7	-	-	-	
Stanislaus	16	16	-	-	16	-	-	-	-	-	
Sutter	5	5	-	-	4	-	-	1	-	-	
Tehama	-	-	-	-	-	-	-	-	-	-	
Trinity	-	-	-	-	-	-	-	-	-	-	
Tulare	16	13	2	15.4	13	2	15.4	-	-	-	
Tuolumne	-	-	-	-	-	-	-	-	-	-	
Ventura	42	37	11	29.7	35	10	28.6	2	1	50.0	
Yolo	2	1	-	-	1	-	-	-	-	-	
Yuba	-	-	-	-	-	-	-	-	-	-	

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

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

-Indicates zero cases or zero percent.

Table 45. Tuberculosis Cases by Resistance to Isoniazid: Reporting Jurisdictions in California, 1996-2002

Reporting Jurisdiction	1996			1997			1998			1999			2000			2001			2002		
	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	3,239	325	10.0	3,072	315	10.3	2,948	346	11.7	2,681	286	10.7	2,518	258	10.2	2,545	231	9.1	2,312	245	10.6
Alameda	183	14	7.7	157	13	8.3	180	24	13.3	146	17	11.6	179	15	8.4	154	9	5.8	132	19	14.4
Alpine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amador	2	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Berkeley	12	1	8.3	10	-	-	5	-	-	14	1	7.1	4	-	-	11	-	-	8	-	-
Butte	3	-	-	8	-	-	4	1	25.0	3	-	-	3	1	33.3	4	-	-	1	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Colusa	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Contra Costa	87	7	8.0	70	6	8.6	77	10	13.0	65	10	15.4	55	4	7.3	74	5	6.8	46	3	6.5
Del Norte	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
El Dorado	3	-	-	3	-	-	3	-	-	1	-	-	3	-	-	4	-	-	3	-	-
Fresno	49	7	14.3	74	10	13.5	70	15	21.4	54	9	16.7	55	7	12.7	61	8	13.1	39	2	5.1
Glenn	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Humboldt	5	-	-	3	-	-	8	3	37.5	5	-	-	4	-	-	6	1	16.7	3	-	-
Imperial	29	5	17.2	34	3	8.8	28	-	-	25	2	8.0	25	3	12.0	23	2	8.7	22	5	22.7
Inyo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Kern	57	1	1.8	52	2	3.8	44	1	2.3	51	2	3.9	36	2	5.6	39	2	5.1	41	6	14.6
Kings	8	-	-	4	1	25.0	12	-	-	8	-	-	8	1	12.5	7	-	-	5	-	-
Lake	6	1	16.7	1	1	100.0	2	-	-	1	-	-	2	-	-	2	-	-	-	-	-
Lassen	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Beach	72	10	13.9	67	6	9.0	40	5	12.5	72	5	6.9	50	2	4.0	46	5	10.9	37	1	2.7
Los Angeles	1,022	85	8.3	1,013	99	9.8	974	110	11.3	896	85	9.5	807	81	10.0	800	78	9.8	771	80	10.4
Madera	7	2	28.6	4	-	-	4	-	-	6	-	-	11	-	-	7	-	-	8	1	12.5
Marin	13	-	-	11	1	9.1	12	1	8.3	9	-	-	8	1	12.5	11	2	18.2	10	1	10.0
Mariposa	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Mendocino	-	-	-	2	-	-	4	1	25.0	1	-	-	2	1	50.0	2	1	50.0	5	2	40.0
Merced	14	2	14.3	10	-	-	4	1	25.0	10	2	20.0	8	4	50.0	10	-	-	13	1	7.7
Modoc	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monterey	23	3	13.0	29	4	13.8	36	2	5.6	31	3	9.7	28	4	14.3	32	4	12.5	21	2	9.5
Napa	10	-	-	2	1	50.0	3	1	33.3	3	-	-	2	-	-	2	-	-	7	-	-

* INH=Isoniazid

- Indicates zero cases or zero percent.

Table 45. Tuberculosis Cases by Resistance to Isoniazid: Reporting Jurisdictions in California, 1996-2002

Reporting Jurisdiction	1996			1997			1998			1999			2000			2001			2002			
	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	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orange	250	37	14.8	285	40	14.0	248	39	15.7	204	27	13.2	212	29	13.7	227	27	11.9	186	21	11.3	
Pasadena	16	2	12.5	8	-	-	15	1	6.7	6	-	-	7	1	14.3	15	2	13.3	7	-	-	
Placer	3	-	-	2	-	-	5	-	-	2	-	-	1	-	-	2	-	-	2	-	-	
Plumas	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
Riverside	77	5	6.5	55	4	7.3	67	8	11.9	52	4	7.7	48	6	12.5	55	3	5.5	44	-	-	
Sacramento	95	11	11.6	78	6	7.7	73	7	9.6	61	10	16.4	72	1	1.4	82	5	6.1	52	5	9.6	
San Benito	1	-	-	3	-	-	1	-	-	3	-	-	1	-	-	4	-	-	3	-	-	
San Bernardino	85	5	5.9	98	10	10.2	78	9	11.5	90	7	7.8	84	11	13.1	67	7	10.4	56	5	8.9	
San Diego	302	45	14.9	265	28	10.6	270	37	13.7	225	26	11.6	261	30	11.5	276	16	5.8	265	30	11.3	
San Francisco	215	25	11.6	198	17	8.6	179	11	6.1	185	20	10.8	135	9	6.7	143	13	9.1	119	11	9.2	
San Joaquin	60	3	5.0	51	8	15.7	52	4	7.7	56	8	14.3	58	8	13.8	39	4	10.3	39	4	10.3	
San Luis Obispo	6	1	16.7	8	1	12.5	10	2	20.0	5	-	-	6	-	-	6	-	-	5	1	20.0	
San Mateo	75	4	5.3	66	8	12.1	60	7	11.7	48	3	6.3	36	3	8.3	47	5	10.6	51	8	15.7	
Santa Barbara	26	-	-	19	-	-	18	4	22.2	21	1	4.8	15	1	6.7	20	3	15.0	12	4	33.3	
Santa Clara	255	35	13.7	211	32	15.2	213	28	13.1	194	33	17.0	180	26	14.4	160	18	11.3	199	21	10.6	
Santa Cruz	11	-	-	10	-	-	10	2	20.0	10	2	20.0	2	-	-	6	-	-	3	-	-	
Shasta	3	-	-	10	1	10.0	4	-	-	5	-	-	5	-	-	4	-	-	3	-	-	
Sierra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Siskiyou	-	-	-	-	-	-	2	-	-	1	-	-	1	-	-	-	-	-	-	-	-	
Solano	38	2	5.3	32	3	9.4	33	2	6.1	18	-	-	17	1	5.9	12	1	8.3	10	1	10.0	
Sonoma	18	1	5.6	10	1	10.0	12	1	8.3	14	2	14.3	12	-	-	7	-	-	11	2	18.2	
Stanislaus	17	2	11.8	24	4	16.7	16	2	12.5	20	2	10.0	8	-	-	14	-	-	16	-	-	
Sutter	7	-	-	2	-	-	7	-	-	3	-	-	3	-	-	1	-	-	5	-	-	
Tehama	4	1	25.0	-	-	-	-	-	-	2	-	-	-	-	-	1	1	100.0	-	-	-	
Trinity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tulare	28	1	3.6	16	1	6.3	18	2	11.1	15	1	6.7	14	1	7.1	13	1	7.7	13	2	15.4	
Tuolumne	-	-	-	1	-	-	8	-	-	-	-	-	1	-	-	1	-	-	-	-	-	
Ventura	27	4	14.8	49	2	4.1	30	4	13.3	34	3	8.8	30	-	-	39	8	20.5	37	7	18.9	
Yolo	10	1	10.0	10	-	-	5	1	20.0	4	1	25.0	5	-	-	5	-	-	1	-	-	
Yuba	2	1	50.0	3	2	66.7	3	-	-	1	-	-	9	5	55.6	1	-	-	-	-	-	

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* INH=Isoniazid

- Indicates zero cases or zero percent.

Table 46. Tuberculosis Cases by Resistance to Isoniazid and Rifampin: Reporting Jurisdictions in California, 1996-2002

Reporting Jurisdiction	1996			1997			1998			1999			2000			2001			2002		
	No. with INH/RIF* Testing	Cases with Resistance to INH/RIF		No. with INH/RIF Testing	Cases with Resistance to INH/RIF		No. with INH/RIF Testing	Cases with Resistance to INH/RIF		No. with INH/RIF Testing	Cases with Resistance to INH/RIF		No. with INH/RIF Testing	Cases with Resistance to INH/RIF		No. with INH/RIF Testing	Cases with Resistance to INH/RIF		No. with INH/RIF Testing	Cases with Resistance to INH/RIF	
		No.	%		No.	%		No.	%		No.	%		No.	%		No.	%		No.	%
California	3,238	46	1.4	3,071	42	1.4	2,947	37	1.3	2,679	39	1.5	2,516	34	1.4	2,544	30	1.2	2,311	41	1.8
Alameda	183	4	2.2	157	2	1.3	180	1	0.6	146	1	0.7	179	-	-	154	1	0.6	132	-	-
Alpine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amador	2	-	-	-	-	-	1	-	-	1	-	-	-	-	-	-	-	-	-	-	-
Berkeley	12	-	-	10	-	-	5	-	-	14	1	7.1	4	-	-	11	-	-	8	-	-
Butte	3	-	-	8	-	-	4	1	25.0	3	-	-	3	-	-	4	-	-	1	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-
Colusa	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-
Contra Costa	87	1	1.1	69	1	1.4	77	1	1.3	65	-	-	55	-	-	74	-	-	46	-	-
Del Norte	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
El Dorado	3	-	-	3	-	-	3	-	-	1	-	-	3	-	-	4	-	-	3	-	-
Fresno	49	4	8.2	74	2	2.7	70	7	10.0	54	1	1.9	55	3	5.5	61	2	3.3	39	-	-
Glenn	2	-	-	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Humboldt	5	-	-	3	-	-	8	-	-	5	-	-	4	-	-	6	-	-	3	-	-
Imperial	29	3	10.3	34	1	2.9	28	-	-	25	-	-	25	-	-	23	2	8.7	22	2	9.1
Inyo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-
Kern	57	-	-	52	-	-	44	-	-	51	-	-	36	-	-	39	1	2.6	41	2	4.9
Kings	8	-	-	4	-	-	12	-	-	8	-	-	8	-	-	7	-	-	5	-	-
Lake	6	-	-	1	-	-	2	-	-	1	-	-	2	-	-	2	-	-	-	-	-
Lassen	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Beach	72	1	1.4	67	2	3.0	40	-	-	72	1	1.4	50	-	-	46	-	-	37	1	2.7
Los Angeles	1,022	11	1.1	1,013	12	1.2	974	7	0.7	896	15	1.7	806	9	1.1	800	8	1.0	771	11	1.4
Madera	7	-	-	4	-	-	4	-	-	6	-	-	11	-	-	7	-	-	8	1	12.5
Marin	13	-	-	11	1	9.1	12	-	-	9	-	-	8	-	-	11	-	-	10	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Mendocino	-	-	-	2	-	-	4	-	-	1	-	-	2	-	-	2	-	-	5	-	-
Merced	14	1	7.1	10	-	-	4	-	-	10	2	20.0	8	1	12.5	10	-	-	13	1	7.7
Modoc	-	-	-	-	-	-	-	-	-	-	-	-	2	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monterey	23	-	-	29	1	3.4	36	-	-	31	-	-	28	-	-	32	-	-	21	2	9.5
Napa	10	-	-	2	-	-	3	-	-	3	-	-	2	-	-	2	-	-	7	-	-

* INH=Isoniazid, RIF=Rifampin

- Indicates zero cases or zero percent.

Table 46. Tuberculosis Cases by Resistance to Isoniazid and Rifampin: Reporting Jurisdictions in California, 1996-2002

Reporting Jurisdiction	1996			1997			1998			1999			2000			2001			2002			
	No. with INH/RIF* Testing	Cases with Resistance to INH/RIF		No. with INH/RIF Testing	Cases with Resistance to INH/RIF		No. with INH/RIF Testing	Cases with Resistance to INH/RIF		No. with INH/RIF Testing	Cases with Resistance to INH/RIF		No. with INH/RIF Testing	Cases with Resistance to INH/RIF		No. with INH/RIF Testing	Cases with Resistance to INH/RIF		No. with INH/RIF Testing	Cases with Resistance to INH/RIF		
		No.	%		No.	%		No.	%		No.	%		No.	%		No.	%		No.	%	No.
Nevada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orange	250	5	2.0	285	6	2.1	248	2	0.8	204	3	1.5	212	4	1.9	227	1	0.4	186	1	0.5	
Pasadena	16	-	-	8	-	-	15	-	-	6	-	-	7	-	-	15	-	-	7	-	-	
Placer	3	-	-	2	-	-	5	-	-	2	-	-	1	-	-	2	-	-	2	-	-	
Plumas	-	-	-	-	-	-	-	-	-	-	-	-	1	-	-	-	-	-	-	-	-	
Riverside	77	1	1.3	55	2	3.6	67	1	1.5	52	3	5.8	48	3	6.3	55	-	-	44	-	-	
Sacramento	94	-	-	78	-	-	73	2	2.7	61	-	-	72	-	-	82	2	2.4	52	1	1.9	
San Benito	1	-	-	3	-	-	1	-	-	3	-	-	1	-	-	4	-	-	3	-	-	
San Bernardino	85	-	-	98	-	-	78	2	2.6	88	1	1.1	83	-	-	67	1	1.5	56	-	-	
San Diego	302	4	1.3	265	2	0.8	269	3	1.1	225	2	0.9	261	8	3.1	276	2	0.7	265	6	2.3	
San Francisco	215	2	0.9	198	2	1.0	179	2	1.1	185	3	1.6	135	-	-	143	4	2.8	119	4	3.4	
San Joaquin	60	1	1.7	51	-	-	52	-	-	56	2	3.6	58	3	5.2	39	-	-	39	1	2.6	
San Luis Obispo	6	-	-	8	-	-	10	-	-	5	-	-	6	-	-	6	-	-	5	1	20.0	
San Mateo	75	1	1.3	66	2	3.0	60	-	-	48	-	-	36	-	-	47	1	2.1	51	2	3.9	
Santa Barbara	26	-	-	19	-	-	18	-	-	21	-	-	15	-	-	20	1	5.0	12	2	16.7	
Santa Clara	255	2	0.8	211	3	1.4	213	6	2.8	194	3	1.5	180	2	1.1	160	1	0.6	198	1	0.5	
Santa Cruz	11	-	-	10	-	-	10	-	-	10	-	-	2	-	-	6	-	-	3	-	-	
Shasta	3	-	-	10	-	-	4	-	-	5	-	-	5	-	-	4	-	-	3	-	-	
Sierra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Siskiyou	-	-	-	-	-	-	2	-	-	1	-	-	1	-	-	-	-	-	-	-	-	
Solano	38	1	2.6	32	-	-	33	-	-	18	-	-	17	-	-	11	1	9.1	10	1	10.0	
Sonoma	18	-	-	10	-	-	12	-	-	14	-	-	12	-	-	7	-	-	11	1	9.1	
Stanislaus	17	1	5.9	24	1	4.2	16	-	-	20	-	-	8	-	-	14	-	-	16	-	-	
Sutter	7	-	-	2	-	-	7	-	-	3	-	-	3	-	-	1	-	-	5	-	-	
Tehama	4	-	-	-	-	-	-	-	-	2	-	-	-	-	-	1	1	100.0	-	-	-	
Trinity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	
Tulare	28	1	3.6	16	1	6.3	18	-	-	15	1	6.7	14	-	-	13	1	7.7	13	-	-	
Tuolumne	-	-	-	1	-	-	8	-	-	-	-	-	1	-	-	1	-	-	-	-	-	
Ventura	27	-	-	49	-	-	30	2	6.7	34	-	-	30	-	-	39	-	-	37	-	-	
Yolo	10	-	-	10	-	-	5	-	-	4	-	-	5	-	-	5	-	-	1	-	-	
Yuba	2	1	50.0	3	1	33.3	3	-	-	1	-	-	9	1	11.1	1	-	-	-	-	-	

* INH=Isoniazid, RIF=Rifampin
 - Indicates zero cases or zero percent.

Table 47. Tuberculosis Cases by Reason Therapy Stopped: Reporting Jurisdictions in California, 2000

Reporting Jurisdiction	Cases Starting Therapy	Reason Therapy Stopped*															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Moved		Died		Lost		Refused		Other/Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	3,210	2,222	69.2	368	11.5	294	9.2	213	6.6	39	1.2	15	0.5	12	0.4	47	1.5
Alameda	236	177	75.0	17	7.2	22	9.3	16	6.8	3	1.3	1	0.4	-	-	-	-
Alpine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Berkeley	4	4	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butte	3	3	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colusa	1	-	-	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Contra Costa	77	47	61.0	13	16.9	10	13.0	5	6.5	1	1.3	1	1.3	-	-	-	-
Del Norte	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
El Dorado	3	2	66.7	-	-	-	-	1	33.3	-	-	-	-	-	-	-	-
Fresno	87	62	71.3	8	9.2	8	9.2	9	10.3	-	-	-	-	-	-	-	-
Glenn	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Humboldt	6	5	83.3	-	-	-	-	1	16.7	-	-	-	-	-	-	-	-
Imperial	25	17	68.0	-	-	8	32.0	-	-	-	-	-	-	-	-	-	-
Inyo	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	100.0
Kern	47	32	68.1	7	14.9	5	10.6	1	2.1	-	-	-	-	1	2.1	1	2.1
Kings	8	8	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake	2	-	-	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Beach	61	37	60.7	9	14.8	11	18.0	2	3.3	-	-	1	1.6	-	-	1	1.6
Los Angeles	1,037	740	71.4	127	12.2	73	7.0	75	7.2	14	1.4	-	-	-	-	8	0.8
Madera	14	8	57.1	2	14.3	3	21.4	1	7.1	-	-	-	-	-	-	-	-
Marin	11	5	45.5	2	18.2	4	36.4	-	-	-	-	-	-	-	-	-	-
Mariposa	2	1	50.0	-	-	1	50.0	-	-	-	-	-	-	-	-	-	-
Mendocino	4	2	50.0	2	50.0	-	-	-	-	-	-	-	-	-	-	-	-
Merced	9	4	44.4	2	22.2	2	22.2	1	11.1	-	-	-	-	-	-	-	-
Modoc	2	1	50.0	-	-	1	50.0	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monterey	38	23	60.5	4	10.5	6	15.8	4	10.5	-	-	-	-	-	-	1	2.6
Napa	2	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-

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

Table 47. Tuberculosis Cases by Reason Therapy Stopped: Reporting Jurisdictions in California, 2000

Reporting Jurisdiction	Cases Starting Therapy	Reason Therapy Stopped*															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Moved		Died		Lost		Refused		Other/Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Nevada	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orange	244	172	70.5	35	14.3	17	7.0	12	4.9	3	1.2	2	0.8	1	0.4	2	0.8
Pasadena	12	5	41.7	-	-	4	33.3	1	8.3	1	8.3	1	8.3	-	-	-	-
Placer	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plumas	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Riverside	68	43	63.2	9	13.2	6	8.8	7	10.3	1	1.5	1	1.5	-	-	1	1.5
Sacramento	115	79	68.7	12	10.4	11	9.6	8	7.0	1	0.9	3	2.6	1	0.9	-	-
San Benito	2	-	-	1	50.0	1	50.0	-	-	-	-	-	-	-	-	-	-
San Bernardino	101	55	54.5	11	10.9	19	18.8	6	5.9	3	3.0	2	2.0	-	-	5	5.0
San Diego	290	185	63.8	34	11.7	26	9.0	24	8.3	11	3.8	-	-	5	1.7	5	1.7
San Francisco	164	119	72.6	22	13.4	9	5.5	13	7.9	-	-	-	-	1	0.6	-	-
San Joaquin	66	52	78.8	4	6.1	5	7.6	5	7.6	-	-	-	-	-	-	-	-
San Luis Obispo	9	6	66.7	1	11.1	1	11.1	-	-	-	-	1	11.1	-	-	-	-
San Mateo	45	34	75.6	2	4.4	3	6.7	3	6.7	-	-	-	-	-	-	3	6.7
Santa Barbara	21	14	66.7	1	4.8	4	19.0	1	4.8	-	-	-	-	-	-	1	4.8
Santa Clara	231	175	75.8	30	13.0	16	6.9	5	2.2	-	-	2	0.9	2	0.9	1	0.4
Santa Cruz	4	2	50.0	2	50.0	-	-	-	-	-	-	-	-	-	-	-	-
Shasta	5	4	80.0	-	-	-	-	1	20.0	-	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siskiyou	1	-	-	-	-	-	-	1	100.0	-	-	-	-	-	-	-	-
Solano	27	7	25.9	-	-	7	25.9	2	7.4	-	-	-	-	-	-	11	40.7
Sonoma	16	10	62.5	-	-	1	6.3	-	-	-	-	-	-	-	-	5	31.3
Stanislaus	17	13	76.5	2	11.8	-	-	2	11.8	-	-	-	-	-	-	-	-
Sutter	4	3	75.0	-	-	1	25.0	-	-	-	-	-	-	-	-	-	-
Tehama	2	1	50.0	-	-	-	-	1	50.0	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tulare	16	13	81.3	-	-	1	6.3	2	12.5	-	-	-	-	-	-	-	-
Tuolumne	2	-	-	-	-	2	100.0	-	-	-	-	-	-	-	-	-	-
Ventura	43	30	69.8	5	11.6	4	9.3	3	7.0	-	-	-	-	-	-	1	2.3
Yolo	8	5	62.5	-	-	1	12.5	-	-	1	12.5	-	-	1	12.5	-	-
Yuba	12	10	83.3	1	8.3	1	8.3	-	-	-	-	-	-	-	-	-	-

* Patient outcome in jurisdiction reporting the case.

- Indicates zero cases or zero percent.

Table 48. Drug-Susceptible* Tuberculosis Cases by Reason Therapy Stopped: Reporting Jurisdictions in California, 2000

Reporting Jurisdiction	Cases Starting Therapy	Reason Therapy Stopped**															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Moved		Died		Lost		Refused		Other/Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	2,880	2,042	70.9	290	10.1	259	9.0	195	6.8	34	1.2	14	0.5	8	0.3	38	1.3
Alameda	216	161	74.5	13	6.0	22	10.2	16	7.4	3	1.4	1	0.5	-	-	-	-
Alpine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Berkeley	4	4	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butte	2	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colusa	1	-	-	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Contra Costa	72	44	61.1	12	16.7	10	13.9	4	5.6	1	1.4	1	1.4	-	-	-	-
Del Norte	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
El Dorado	3	2	66.7	-	-	-	-	1	33.3	-	-	-	-	-	-	-	-
Fresno	79	62	78.5	3	3.8	6	7.6	8	10.1	-	-	-	-	-	-	-	-
Glenn	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Humboldt	6	5	83.3	-	-	-	-	1	16.7	-	-	-	-	-	-	-	-
Imperial	22	14	63.6	-	-	8	36.4	-	-	-	-	-	-	-	-	-	-
Inyo	1	-	-	-	-	-	-	-	-	-	-	-	-	-	-	1	100.0
Kern	44	32	72.7	4	9.1	5	11.4	1	2.3	-	-	-	-	1	2.3	1	2.3
Kings	7	7	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake	2	-	-	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Beach	59	35	59.3	9	15.3	11	18.6	2	3.4	-	-	1	1.7	-	-	1	1.7
Los Angeles	935	680	72.7	104	11.1	64	6.8	70	7.5	13	1.4	-	-	-	-	4	0.4
Madera	14	8	57.1	2	14.3	3	21.4	1	7.1	-	-	-	-	-	-	-	-
Marin	10	5	50.0	2	20.0	3	30.0	-	-	-	-	-	-	-	-	-	-
Mariposa	2	1	50.0	-	-	1	50.0	-	-	-	-	-	-	-	-	-	-
Mendocino	3	2	66.7	1	33.3	-	-	-	-	-	-	-	-	-	-	-	-
Merced	4	1	25.0	-	-	2	50.0	1	25.0	-	-	-	-	-	-	-	-
Modoc	2	1	50.0	-	-	1	50.0	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monterey	33	22	66.7	3	9.1	3	9.1	4	12.1	-	-	-	-	-	-	1	3.0
Napa	2	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Includes cases susceptible to isoniazid, rifampin and pyrazinamide, cases without culture confirmation and cases without drug susceptibility results.

**Patient outcome in jurisdiction reporting the case.

- Indicates zero cases or zero percent.

Table 48. Drug-Susceptible* Tuberculosis Cases by Reason Therapy Stopped: Reporting Jurisdictions in California, 2000

Reporting Jurisdiction	Cases Starting Therapy	Reason Therapy Stopped**															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Moved		Died		Lost		Refused		Other/Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Nevada	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	
Orange	207	153	73.9	27	13.0	14	6.8	9	4.3	-	-	1	0.5	1	0.5	2	1.0
Pasadena	11	5	45.5	-	-	4	36.4	-	-	1	9.1	1	9.1	-	-	-	-
Placer	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plumas	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Riverside	63	41	65.1	6	9.5	6	9.5	7	11.1	1	1.6	1	1.6	-	-	1	1.6
Sacramento	115	79	68.7	12	10.4	11	9.6	8	7.0	1	0.9	3	2.6	1	0.9	-	-
San Benito	2	-	-	1	50.0	1	50.0	-	-	-	-	-	-	-	-	-	-
San Bernardino	86	50	58.1	10	11.6	13	15.1	5	5.8	3	3.5	2	2.3	-	-	3	3.5
San Diego	238	160	67.2	23	9.7	20	8.4	21	8.8	10	4.2	-	-	2	0.8	2	0.8
San Francisco	152	112	73.7	17	11.2	9	5.9	13	8.6	-	-	-	-	1	0.7	-	-
San Joaquin	57	48	84.2	1	1.8	3	5.3	5	8.8	-	-	-	-	-	-	-	-
San Luis Obispo	9	6	66.7	1	11.1	1	11.1	-	-	-	-	1	11.1	-	-	-	-
San Mateo	42	31	73.8	2	4.8	3	7.1	3	7.1	-	-	-	-	-	-	3	7.1
Santa Barbara	20	13	65.0	1	5.0	4	20.0	1	5.0	-	-	-	-	-	-	1	5.0
Santa Clara	204	160	78.4	24	11.8	13	6.4	3	1.5	-	-	2	1.0	1	0.5	1	0.5
Santa Cruz	4	2	50.0	2	50.0	-	-	-	-	-	-	-	-	-	-	-	-
Shasta	5	4	80.0	-	-	-	-	1	20.0	-	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siskiyou	1	-	-	-	-	-	-	1	100.0	-	-	-	-	-	-	-	-
Solano	26	7	26.9	-	-	7	26.9	1	3.8	-	-	-	-	-	-	11	42.3
Sonoma	15	9	60.0	-	-	1	6.7	-	-	-	-	-	-	-	-	5	33.3
Stanislaus	17	13	76.5	2	11.8	-	-	2	11.8	-	-	-	-	-	-	-	-
Sutter	3	2	66.7	-	-	1	33.3	-	-	-	-	-	-	-	-	-	-
Tehama	2	1	50.0	-	-	-	-	1	50.0	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tulare	14	11	78.6	-	-	1	7.1	2	14.3	-	-	-	-	-	-	-	-
Tuolumne	2	-	-	-	-	2	100.0	-	-	-	-	-	-	-	-	-	-
Ventura	42	29	69.0	5	11.9	4	9.5	3	7.1	-	-	-	-	-	-	1	2.4
Yolo	8	5	62.5	-	-	1	12.5	-	-	1	12.5	-	-	1	12.5	-	-
Yuba	7	6	85.7	-	-	1	14.3	-	-	-	-	-	-	-	-	-	-

* Includes cases susceptible to isoniazid, rifampin and pyrazinamide, cases without culture confirmation and cases without drug susceptibility results.

**Patient outcome in jurisdiction reporting the case.

- Indicates zero cases or zero percent.

Table 49. Drug-Resistant* Tuberculosis Cases by Reason Therapy Stopped: Reporting Jurisdictions in California, 2000

Reporting Jurisdiction	Cases Starting Therapy	Reason Therapy Stopped**															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Moved		Died		Lost		Refused		Other/Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	330	180	54.5	78	23.6	35	10.6	18	5.5	5	1.5	1	0.3	4	1.2	9	2.7
Alameda	20	16	80.0	4	20.0	-	-	-	-	-	-	-	-	-	-	-	-
Alpine	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Amador	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Berkeley	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Butte	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Calaveras	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Colusa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Contra Costa	5	3	60.0	1	20.0	-	-	1	20.0	-	-	-	-	-	-	-	-
Del Norte	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
El Dorado	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Fresno	8	-	-	5	62.5	2	25.0	1	12.5	-	-	-	-	-	-	-	-
Glenn	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Humboldt	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Imperial	3	3	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Inyo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Kern	3	-	-	3	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Kings	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lake	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Lassen	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Long Beach	2	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Los Angeles	102	60	58.8	23	22.5	9	8.8	5	4.9	1	1.0	-	-	-	-	4	3.9
Madera	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Marin	1	-	-	-	-	1	100.0	-	-	-	-	-	-	-	-	-	-
Mariposa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mendocino	1	-	-	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-
Merced	5	3	60.0	2	40.0	-	-	-	-	-	-	-	-	-	-	-	-
Modoc	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Mono	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Monterey	5	1	20.0	1	20.0	3	60.0	-	-	-	-	-	-	-	-	-	-
Napa	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

* Resistant to one or more of the following: isoniazid, rifampin and pyrazinamide.

** Patient outcome in jurisdiction reporting the case.

- Indicates zero cases or zero percent.

Table 49. Drug-Resistant* Tuberculosis Cases by Reason Therapy Stopped: Reporting Jurisdictions in California, 2000

Reporting Jurisdiction	Cases Starting Therapy	Reason Therapy Stopped**															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Moved		Died		Lost		Refused		Other/Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
Nevada	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Orange	37	19	51.4	8	21.6	3	8.1	3	8.1	3	8.1	1	2.7	-	-	-	-
Pasadena	1	-	-	-	-	-	-	1	100.0	-	-	-	-	-	-	-	-
Placer	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Plumas	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Riverside	5	2	40.0	3	60.0	-	-	-	-	-	-	-	-	-	-	-	-
Sacramento	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Benito	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Bernardino	15	5	33.3	1	6.7	6	40.0	1	6.7	-	-	-	-	-	-	2	13.3
San Diego	52	25	48.1	11	21.2	6	11.5	3	5.8	1	1.9	-	-	3	5.8	3	5.8
San Francisco	12	7	58.3	5	41.7	-	-	-	-	-	-	-	-	-	-	-	-
San Joaquin	9	4	44.4	3	33.3	2	22.2	-	-	-	-	-	-	-	-	-	-
San Luis Obispo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
San Mateo	3	3	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Santa Barbara	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Santa Clara	27	15	55.6	6	22.2	3	11.1	2	7.4	-	-	-	-	1	3.7	-	-
Santa Cruz	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Shasta	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sierra	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Siskiyou	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Solano	1	-	-	-	-	-	-	1	100.0	-	-	-	-	-	-	-	-
Sonoma	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Stanislaus	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Sutter	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tehama	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Trinity	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tulare	2	2	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Tuolumne	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Ventura	1	1	100.0	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yolo	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
Yuba	5	4	80.0	1	20.0	-	-	-	-	-	-	-	-	-	-	-	-

* Resistant to one or more of the following: isoniazid, rifampin and pyrazinamide.

** Patient outcome in jurisdiction reporting the case.

- Indicates zero cases or zero percent.

Table 50. Tuberculosis Cases by Reason Therapy Stopped and Risk Factor for Tuberculosis: California, 2000

	Cases Starting Therapy	Reason Therapy Stopped*															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Moved		Died		Lost		Refused		Other/Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	3,210	2,222	69.2	368	11.5	294	9.2	213	6.6	39	1.2	15	0.5	12	0.4	47	1.5
AIDS																	
No	3,070	2,144	69.8	338	11.0	273	8.9	207	6.7	37	1.2	14	0.5	12	0.4	45	1.5
Yes	140	78	55.7	30	21.4	21	15.0	6	4.3	2	1.4	1	0.7	-	-	2	1.4
Diagnosed in Correctional Facility																	
No	3,094	2,163	69.9	362	11.7	255	8.2	210	6.8	32	1.0	14	0.5	12	0.4	46	1.5
Yes	113	57	50.4	5	4.4	39	34.5	3	2.7	7	6.2	1	0.9	-	-	1	0.9
<i>State Prison</i>	25	8	32.0	-	-	15	60.0	2	8.0	-	-	-	-	-	-	-	-
<i>Local Jail</i>	63	40	63.5	5	7.9	13	20.6	1	1.6	2	3.2	1	1.6	-	-	1	1.6
<i>Other/Unknown</i>	25	9	36.0	-	-	11	44.0	-	-	5	20.0	-	-	-	-	-	-
Unknown	3	2	66.7	1	33.3	-	-	-	-	-	-	-	-	-	-	-	-
Diagnosed in Long-term Care Facility																	
No	3,128	2,180	69.7	363	11.6	285	9.1	190	6.1	39	1.2	14	0.4	11	0.4	46	1.5
Yes	79	40	50.6	4	5.1	9	11.4	23	29.1	-	-	1	1.3	1	1.3	1	1.3
Unknown	3	2	66.7	1	33.3	-	-	-	-	-	-	-	-	-	-	-	-
Excess Alcohol Use																	
No	2,739	1,940	70.8	326	11.9	222	8.1	157	5.7	33	1.2	11	0.4	11	0.4	39	1.4
Yes	359	228	63.5	33	9.2	54	15.0	32	8.9	5	1.4	2	0.6	1	0.3	4	1.1
Unknown	112	54	48.2	9	8.0	18	16.1	24	21.4	1	0.9	2	1.8	-	-	4	3.6
Homeless																	
No	2,964	2,073	69.9	338	11.4	253	8.5	196	6.6	33	1.1	14	0.5	12	0.4	45	1.5
Yes	214	130	60.7	29	13.6	34	15.9	14	6.5	4	1.9	1	0.5	-	-	2	0.9
Unknown	32	19	59.4	1	3.1	7	21.9	3	9.4	2	6.3	-	-	-	-	-	-
Injecting Drug Use																	
No	3,007	2,103	69.9	350	11.6	259	8.6	190	6.3	36	1.2	13	0.4	12	0.4	44	1.5
Yes	88	56	63.6	8	9.1	17	19.3	3	3.4	2	2.3	-	-	-	-	2	2.3
Unknown	115	63	54.8	10	8.7	18	15.7	20	17.4	1	0.9	2	1.7	-	-	1	0.9
Non-Injecting Drug Use																	
No	2,866	2,020	70.5	333	11.6	234	8.2	187	6.5	28	1.0	14	0.5	11	0.4	39	1.4
Yes	225	142	63.1	23	10.2	38	16.9	5	2.2	10	4.4	-	-	1	0.4	6	2.7
Unknown	119	60	50.4	12	10.1	22	18.5	21	17.6	1	0.8	1	0.8	-	-	2	1.7

* Patient outcome in jurisdiction reporting the case.

- Indicates zero cases or zero percent.

Table 51. Drug-Susceptible* Tuberculosis Cases by Reason Therapy Stopped and Risk Factor for Tuberculosis: California, 2000

	Cases Starting Therapy	Reason Therapy Stopped**															
		Completed Tx ≤ 12 months		Completed Tx > 12 months		Moved		Died		Lost		Refused		Other/Unknown		No Information	
		No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%	No.	%
California	2,880	2,042	70.9	290	10.1	259	9.0	195	6.8	34	1.2	14	0.5	8	0.3	38	1.3
AIDS																	
No	2,759	1,977	71.7	264	9.6	240	8.7	189	6.9	32	1.2	13	0.5	8	0.3	36	1.3
Yes	121	65	53.7	26	21.5	19	15.7	6	5.0	2	1.7	1	0.8	-	-	2	1.7
Diagnosed in Correctional Facility																	
No	2,774	1,986	71.6	286	10.3	225	8.1	192	6.9	27	1.0	13	0.5	8	0.3	37	1.3
Yes	104	55	52.9	3	2.9	34	32.7	3	2.9	7	6.7	1	1.0	-	-	1	1.0
<i>State Prison</i>	22	8	36.4	-	-	12	54.5	2	9.1	-	-	-	-	-	-	-	-
<i>Local Jail</i>	59	38	64.4	3	5.1	13	22.0	1	1.7	2	3.4	1	1.7	-	-	1	1.7
<i>Other/Unknown</i>	23	9	39.1	-	-	9	39.1	-	-	5	21.7	-	-	-	-	-	-
Unknown	2	1	50.0	1	50.0	-	-	-	-	-	-	-	-	-	-	-	-
Diagnosed in Long-term Care Facility																	
No	2,804	2,002	71.4	287	10.2	250	8.9	173	6.2	34	1.2	13	0.5	8	0.3	37	1.3
Yes	74	39	52.7	2	2.7	9	12.2	22	29.7	-	-	1	1.4	-	-	1	1.4
Unknown	2	1	50.0	1	50.0	-	-	-	-	-	-	-	-	-	-	-	-
Excess Alcohol Use																	
No	2,442	1,777	72.8	258	10.6	191	7.8	140	5.7	28	1.1	10	0.4	8	0.3	30	1.2
Yes	331	214	64.7	25	7.6	50	15.1	31	9.4	5	1.5	2	0.6	-	-	4	1.2
Unknown	107	51	47.7	7	6.5	18	16.8	24	22.4	1	0.9	2	1.9	-	-	4	3.7
Homeless																	
No	2,653	1,900	71.6	265	10.0	224	8.4	178	6.7	29	1.1	13	0.5	8	0.3	36	1.4
Yes	198	124	62.6	24	12.1	29	14.6	14	7.1	4	2.0	1	0.5	-	-	2	1.0
Unknown	29	18	62.1	1	3.4	6	20.7	3	10.3	1	3.4	-	-	-	-	-	-
Injecting Drug Use																	
No	2,694	1,931	71.7	278	10.3	226	8.4	173	6.4	31	1.2	12	0.4	8	0.3	35	1.3
Yes	79	53	67.1	5	6.3	15	19.0	2	2.5	2	2.5	-	-	-	-	2	2.5
Unknown	107	58	54.2	7	6.5	18	16.8	20	18.7	1	0.9	2	1.9	-	-	1	0.9
Non-Injecting Drug Use																	
No	2,564	1,852	72.2	263	10.3	205	8.0	169	6.6	23	0.9	13	0.5	8	0.3	31	1.2
Yes	208	135	64.9	19	9.1	34	16.3	5	2.4	10	4.8	-	-	-	-	5	2.4
Unknown	108	55	50.9	8	7.4	20	18.5	21	19.4	1	0.9	1	0.9	-	-	2	1.9

*Includes cases susceptible to isoniazid, rifampin and pyrazinamide, cases without culture confirmation and cases without drug susceptibility results.

** Patient outcome in jurisdiction reporting the case.

- Indicates zero cases or zero percent.

Figure 1. Number of Tuberculosis Cases, California, 1930-2002

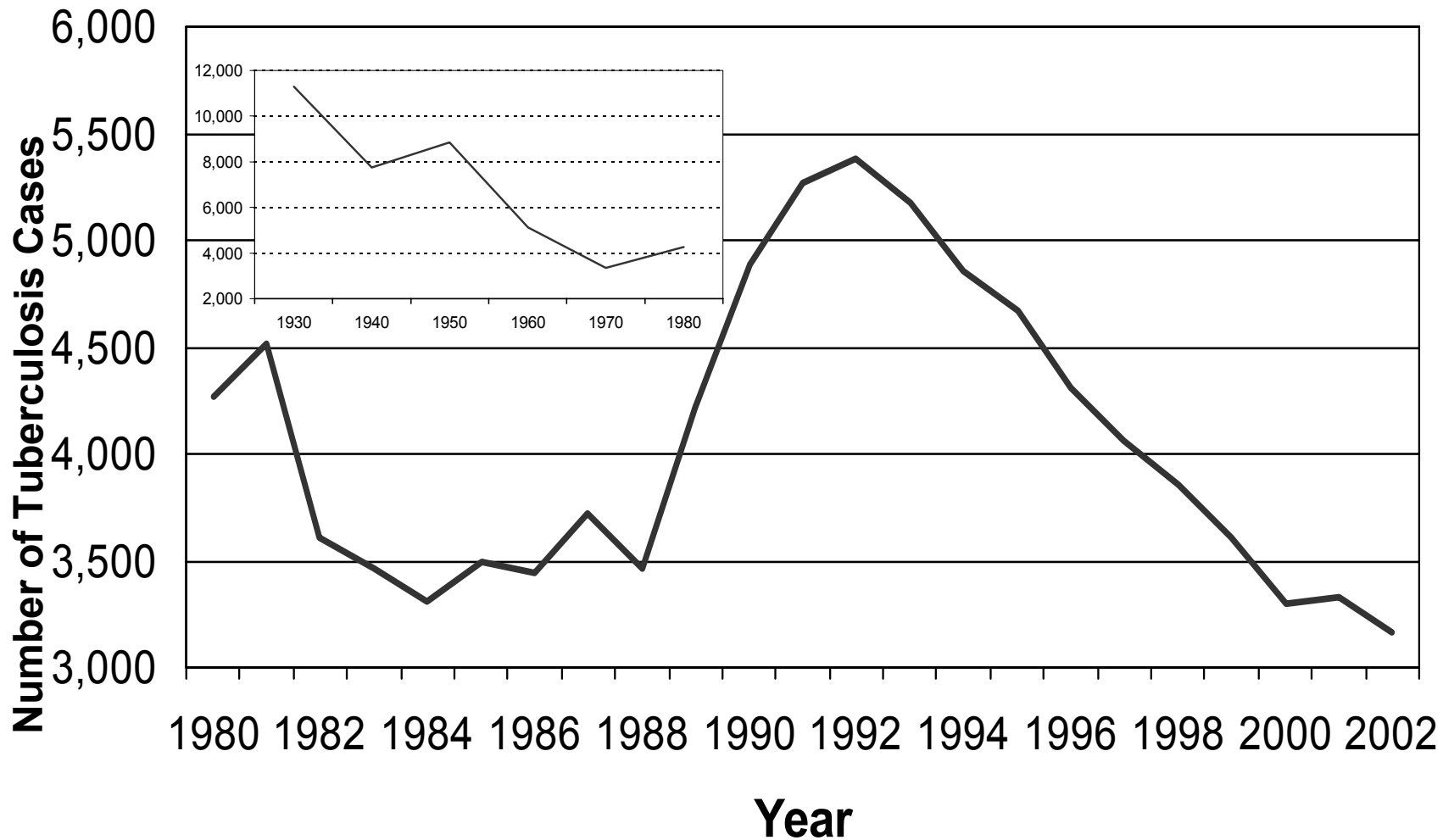
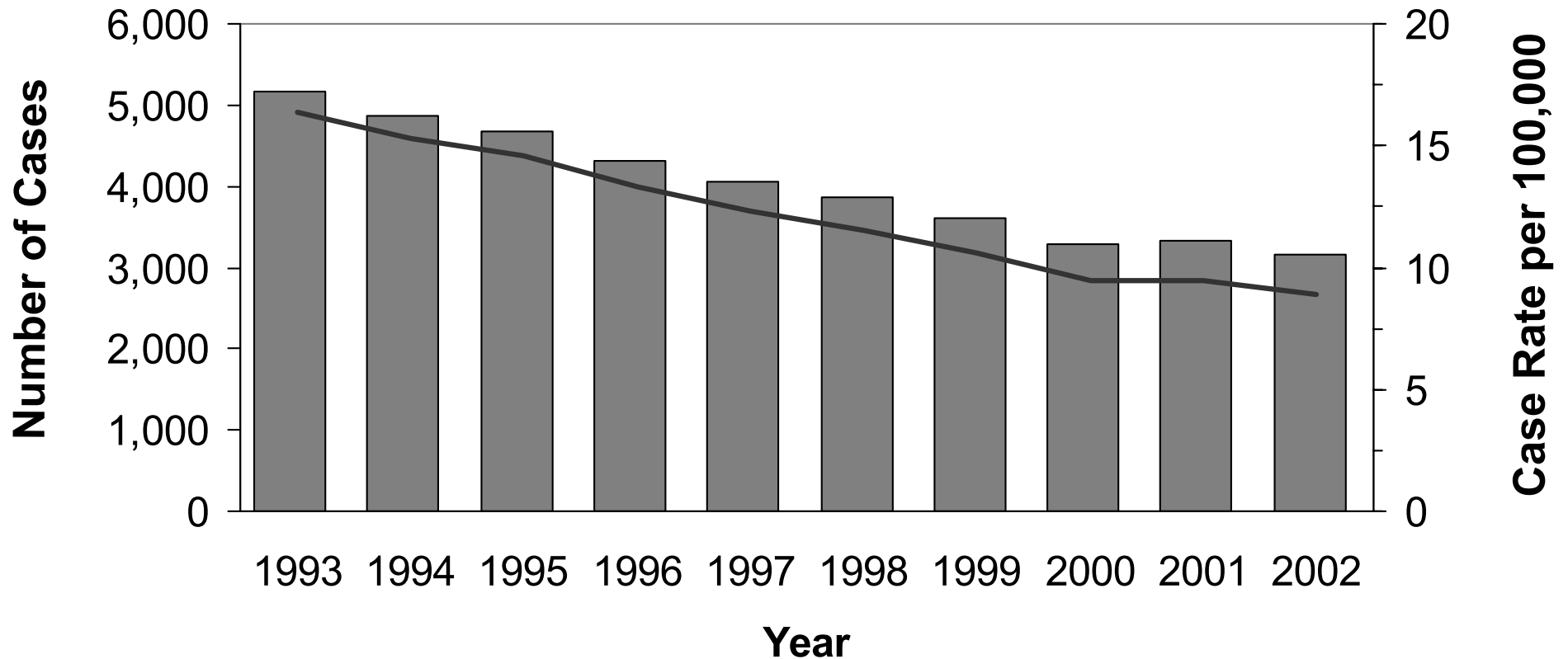


Figure 2. Number of Tuberculosis Cases and Case Rates, California, 1993-2002



■ Number of Cases
— Case Rate per 100,000 Population

Figure 3. Tuberculosis Cases by Race/Ethnicity: California, 2002

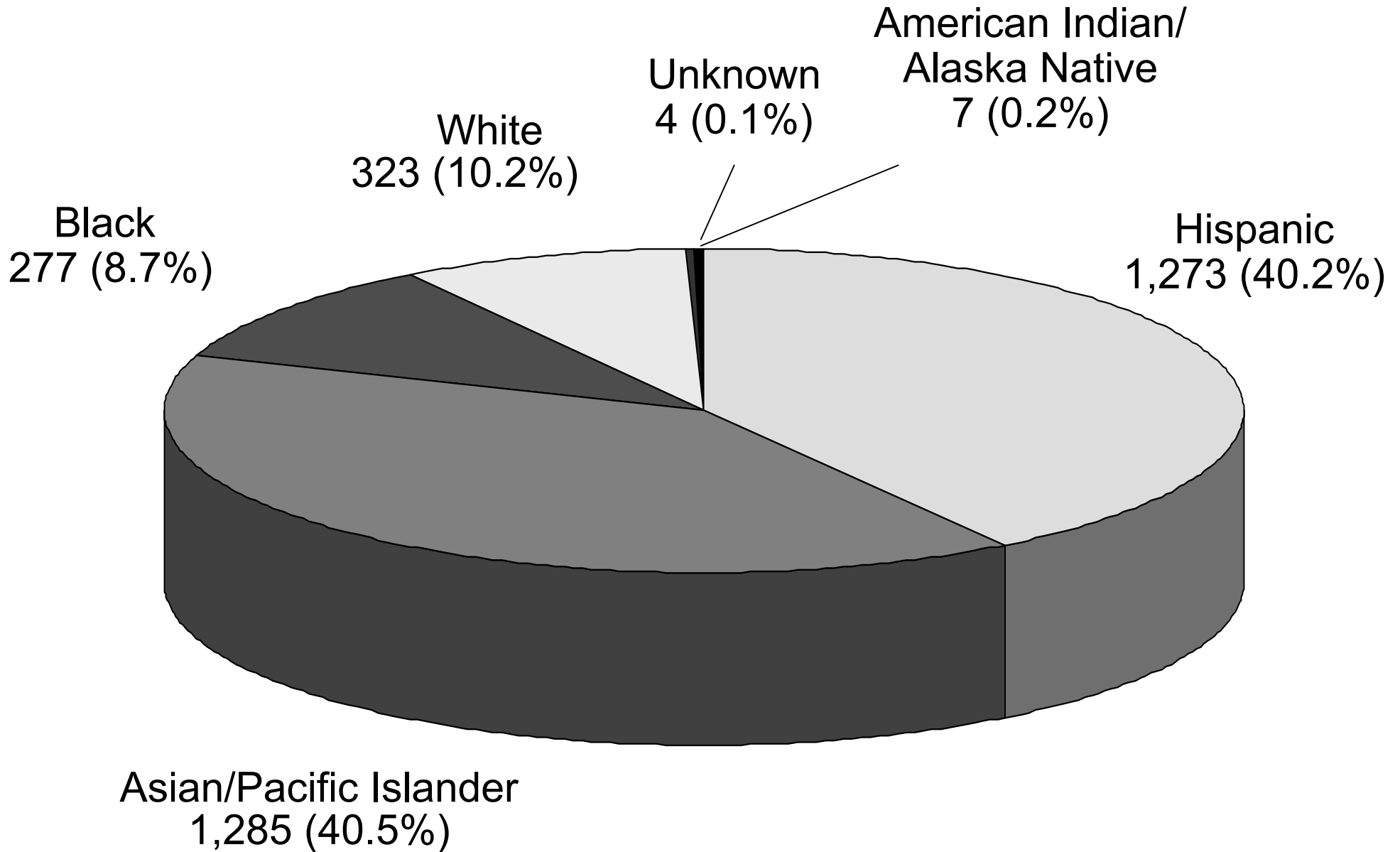


Figure 4. Tuberculosis Case Rates by Race/Ethnicity: California, 1993-2002

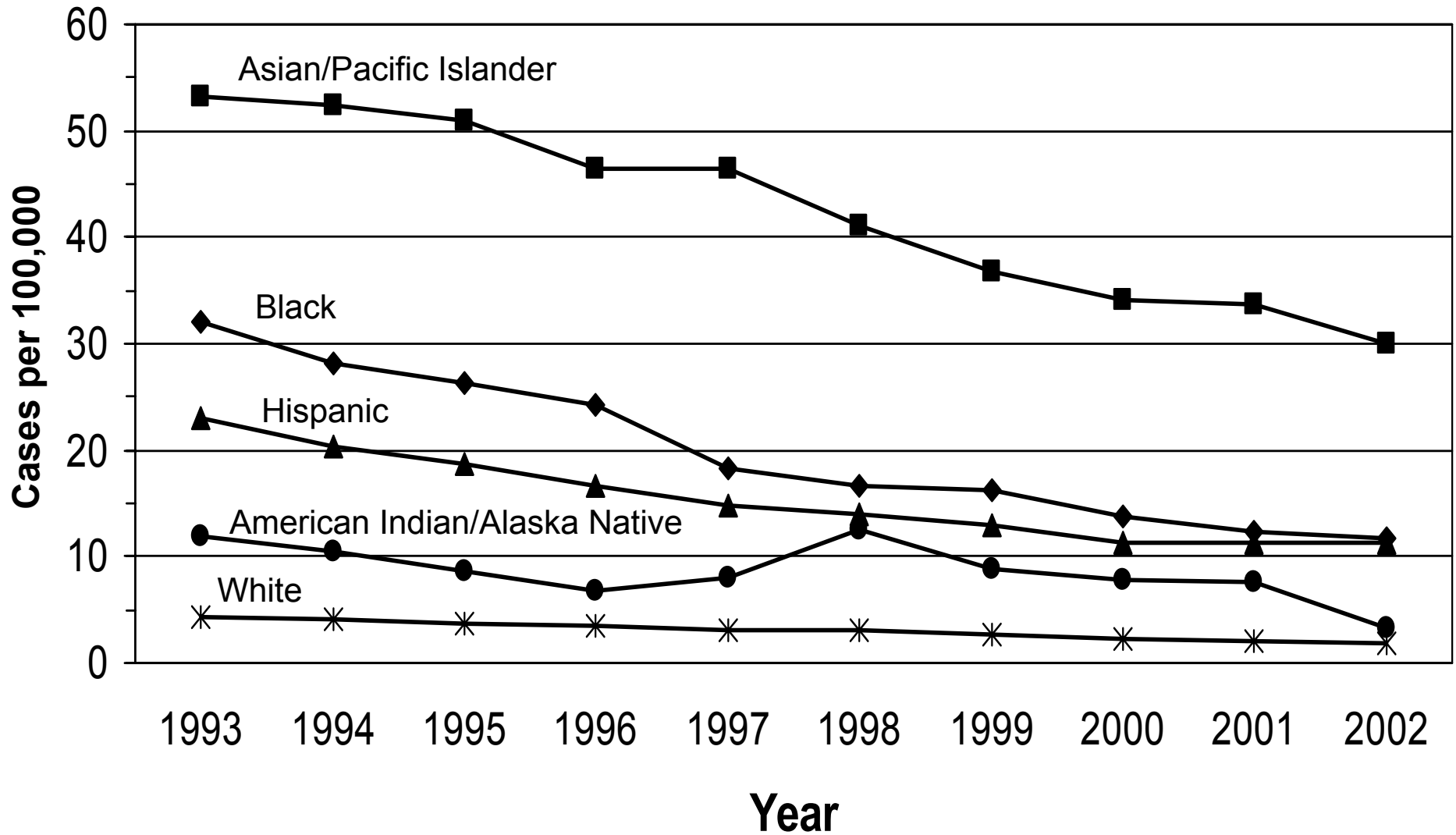


Figure 5. Number and Percentage of Tuberculosis Cases in Foreign-born and U.S.-born Persons: California, 1993-2002

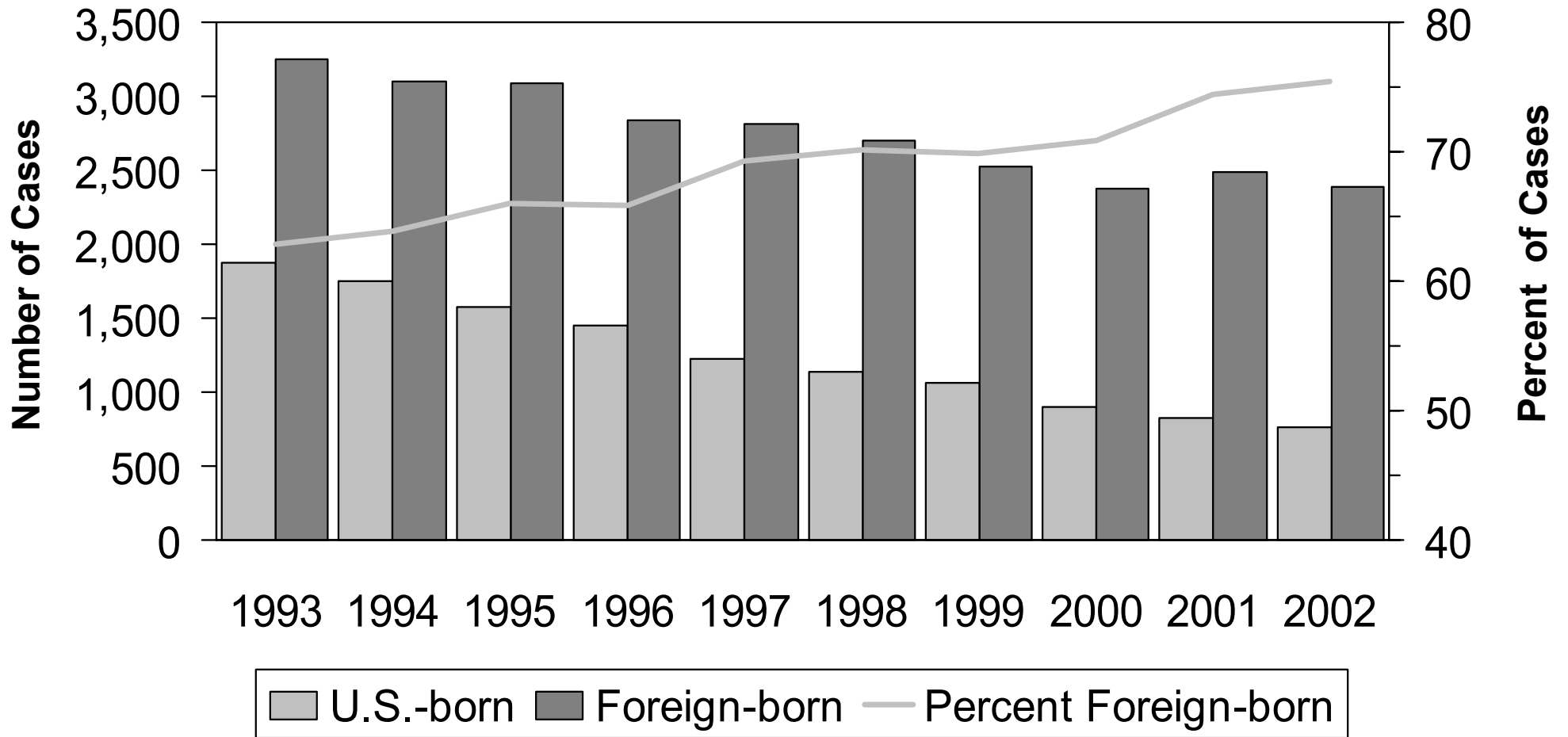


Figure 6. Tuberculosis Cases by Country of Origin: California, 2002

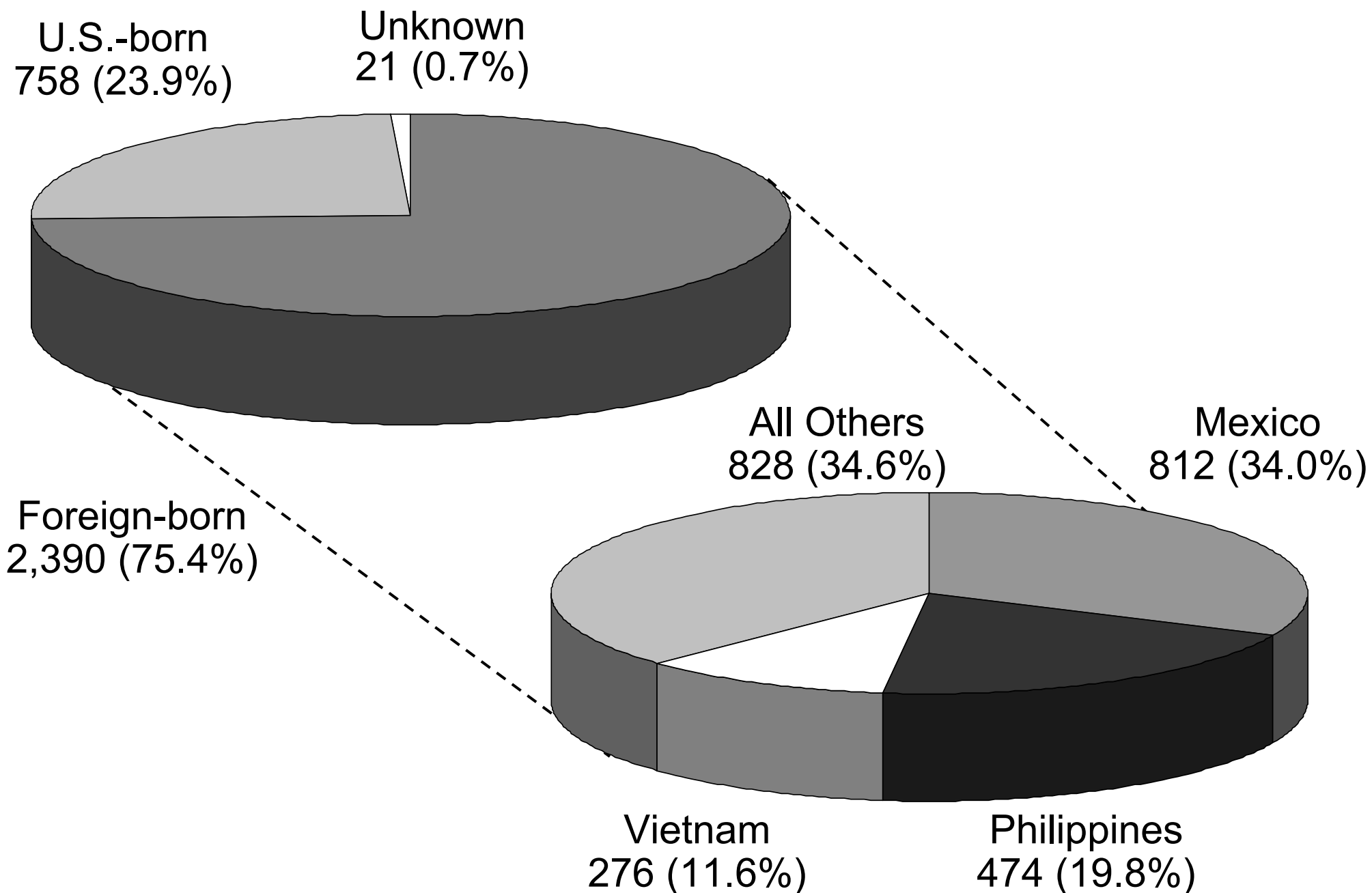


Figure 7. Tuberculosis Cases in Persons 0-4 Years of Age: California, 1993-2002

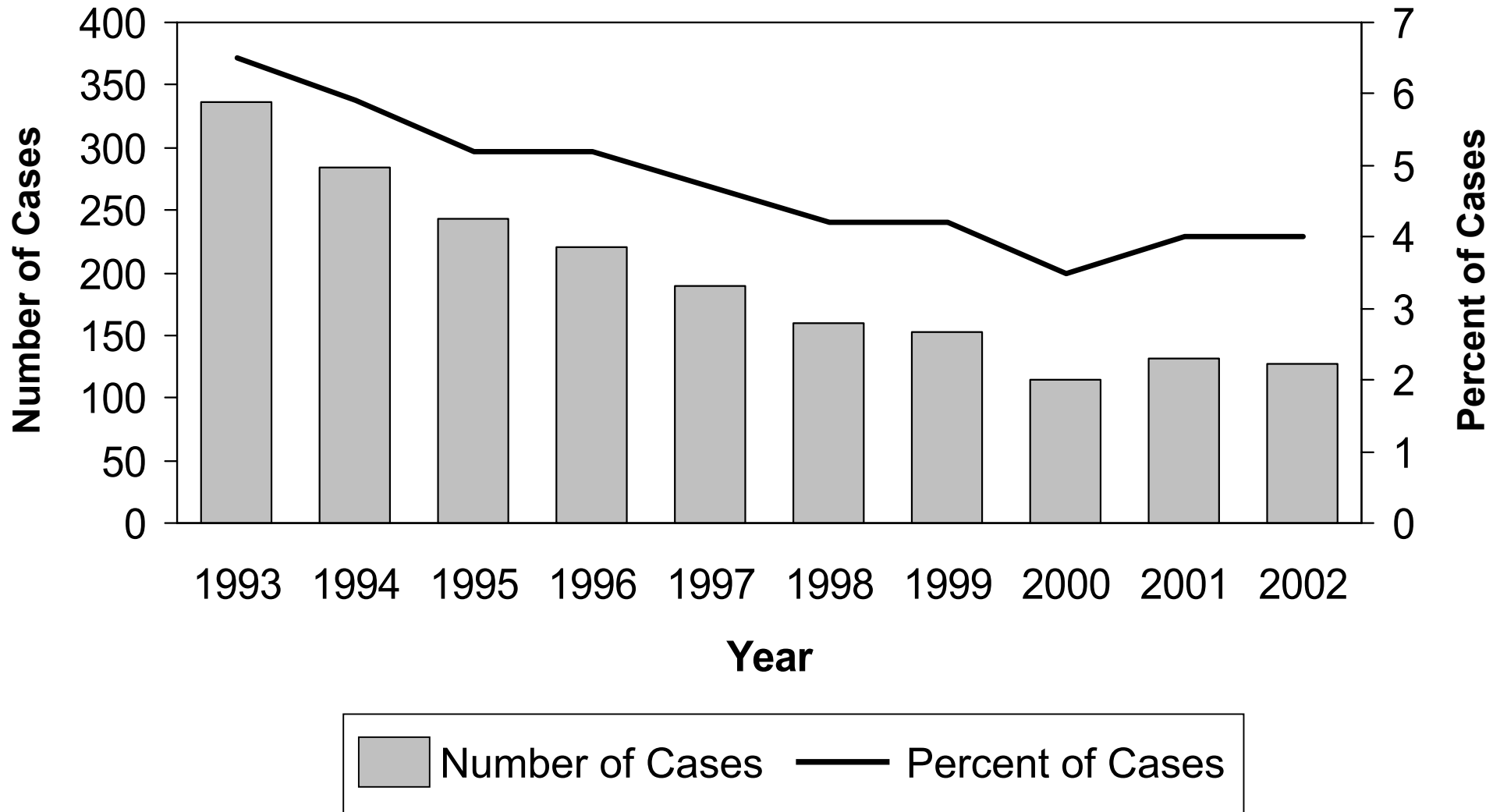


Figure 8. Tuberculosis Cases by Verification Criteria: California, 2002

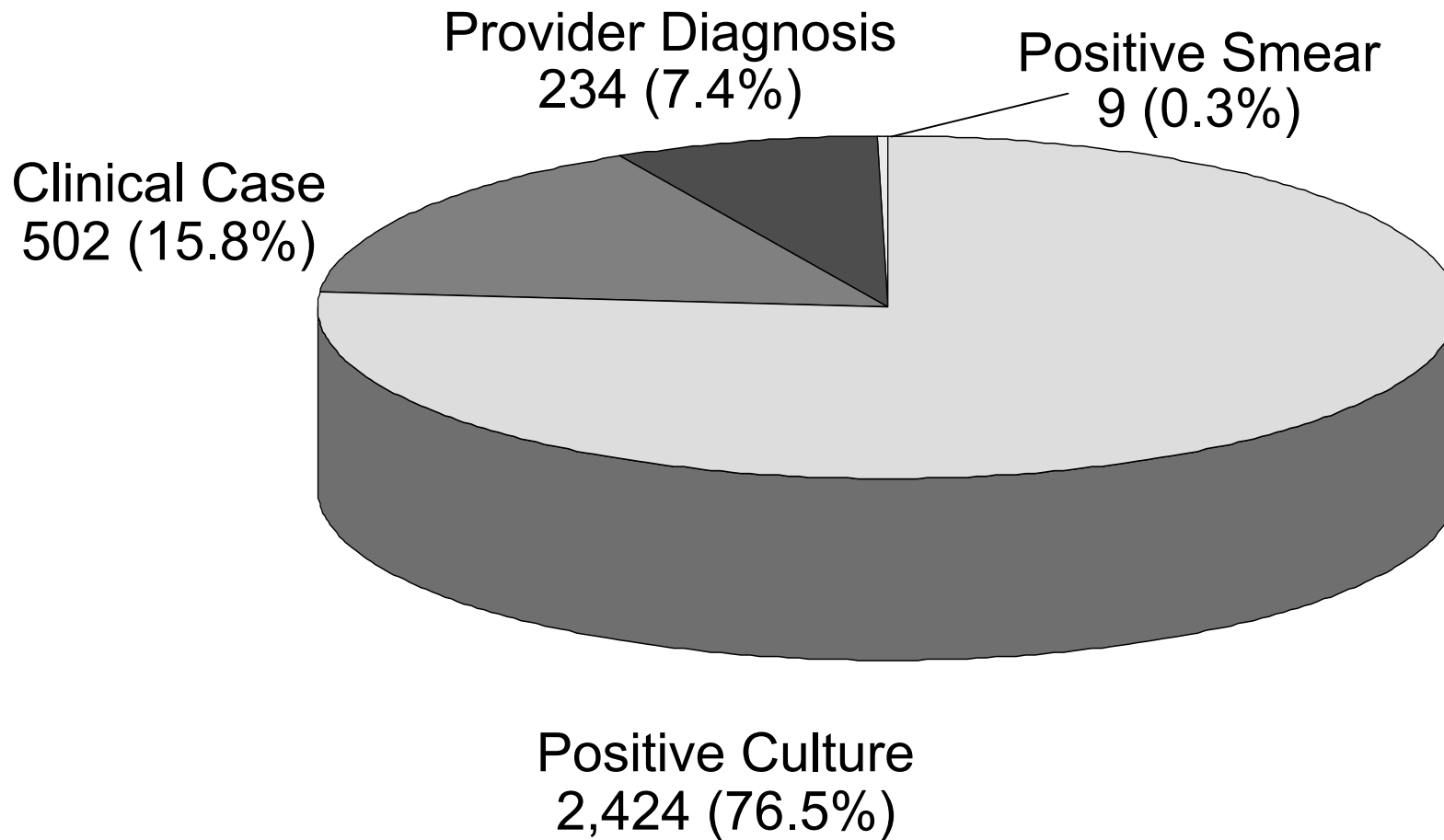


Figure 9. Deaths in Persons with Tuberculosis: California, 1995-2000

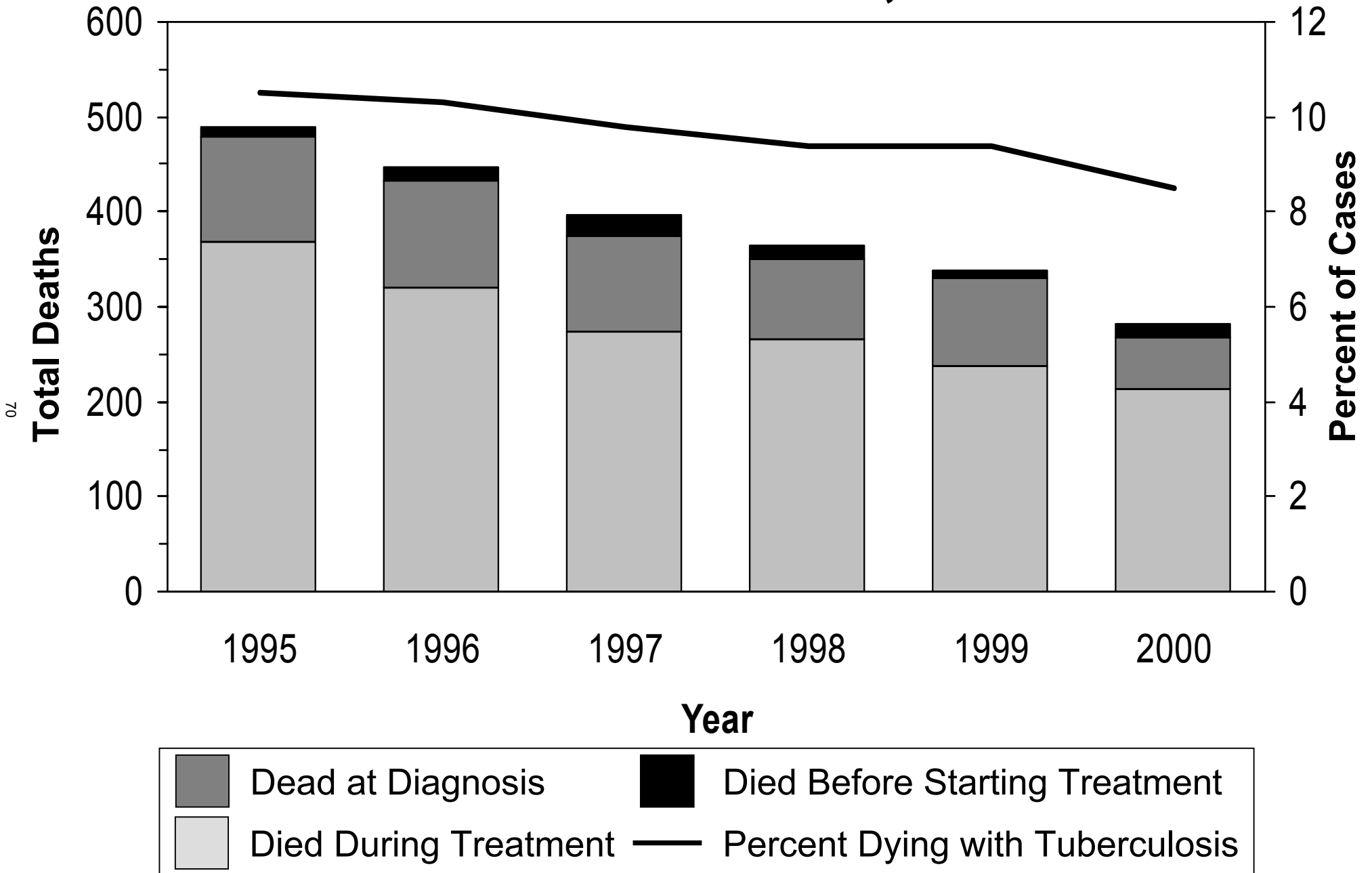
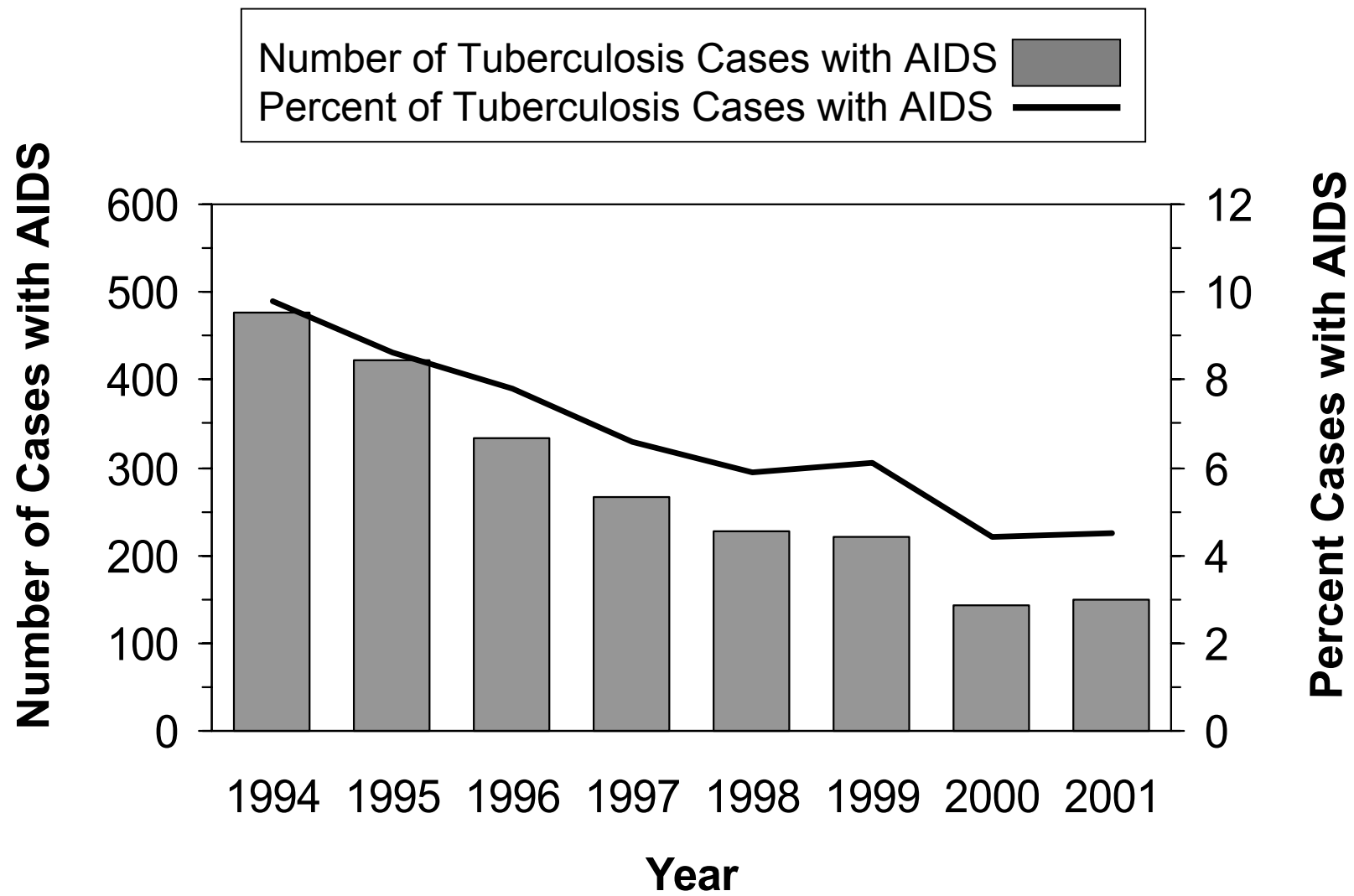
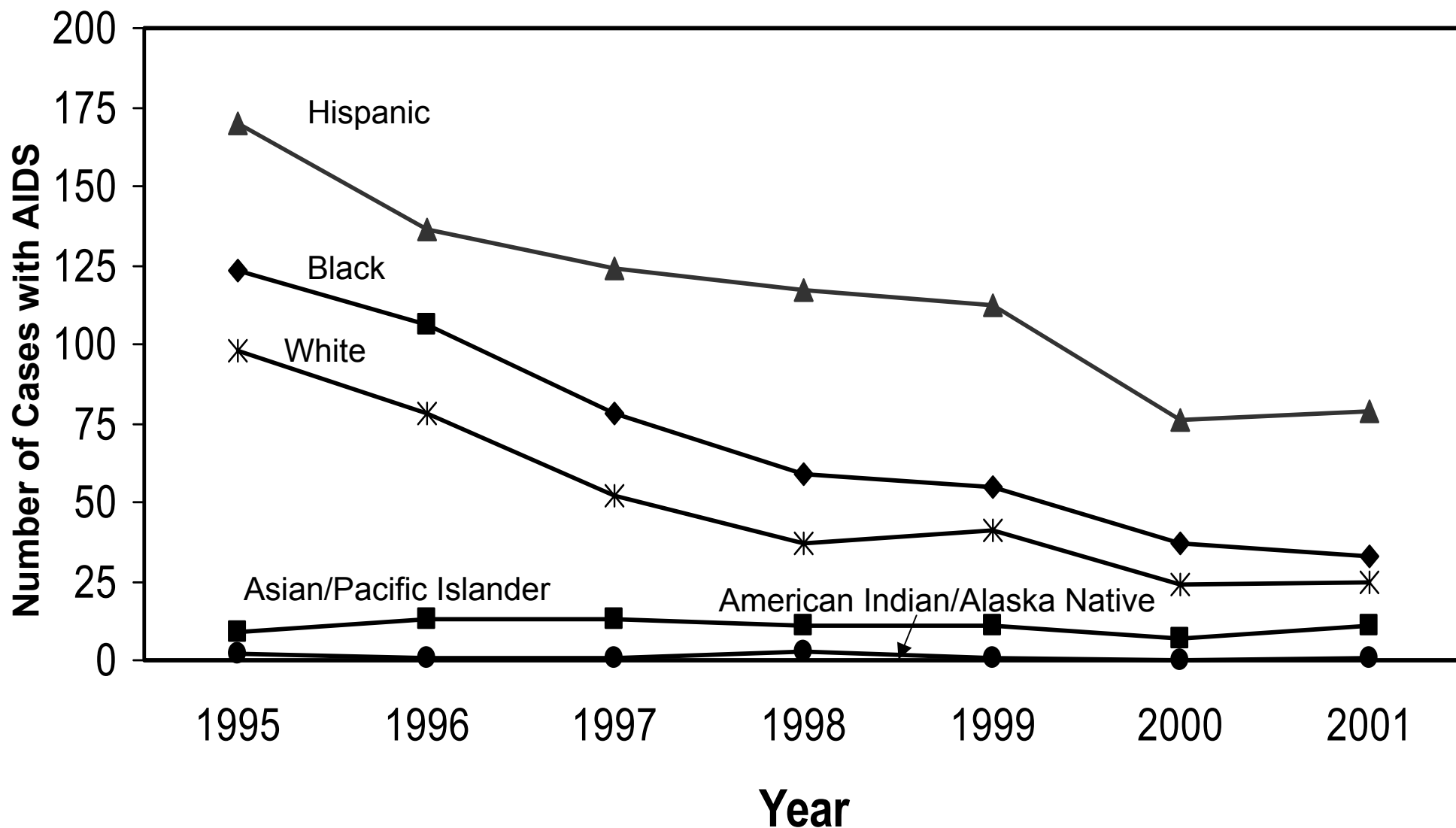


Figure 10. Tuberculosis Cases by AIDS Diagnosis*: California, 1994-2001



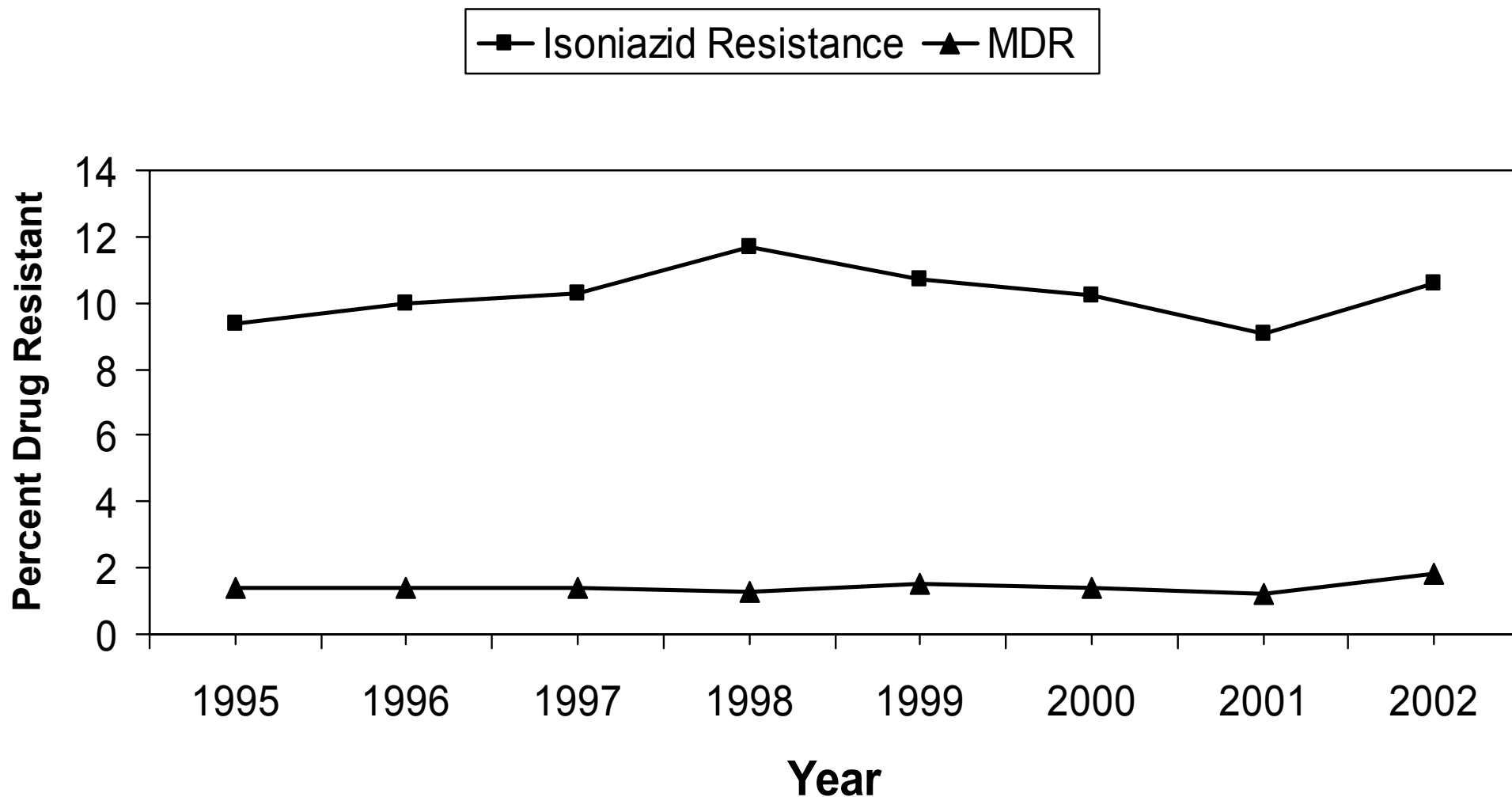
* Match found in AIDS Case Registry, California Office of AIDS

Figure 11. AIDS-Associated Tuberculosis* by Race/Ethnicity: California, 1995-2001



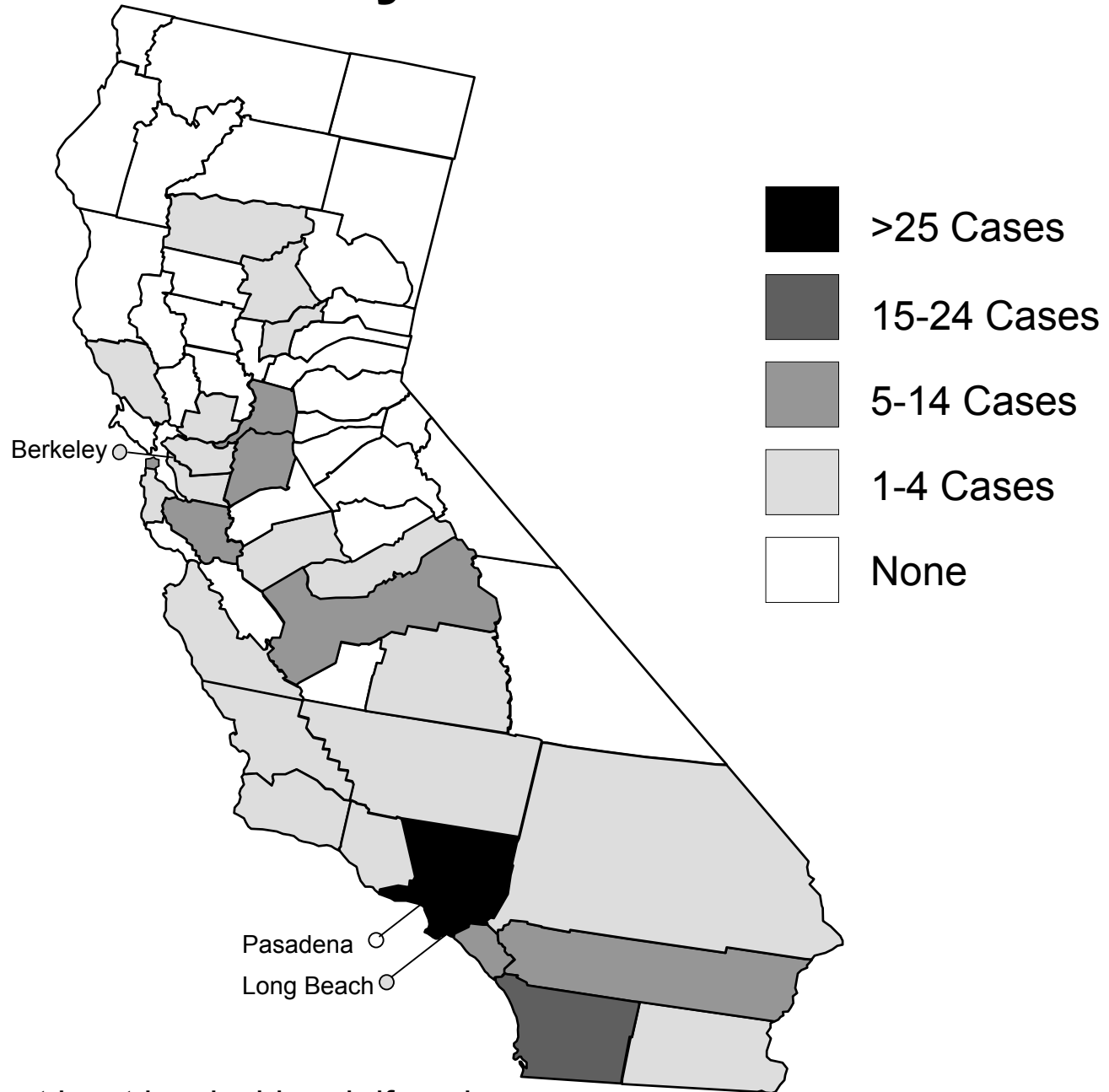
* Match found in AIDS Case Registry, California Office of AIDS

Figure 12. Tuberculosis Cases with MDR* and Resistance to Isoniazid: California, 1995-2002



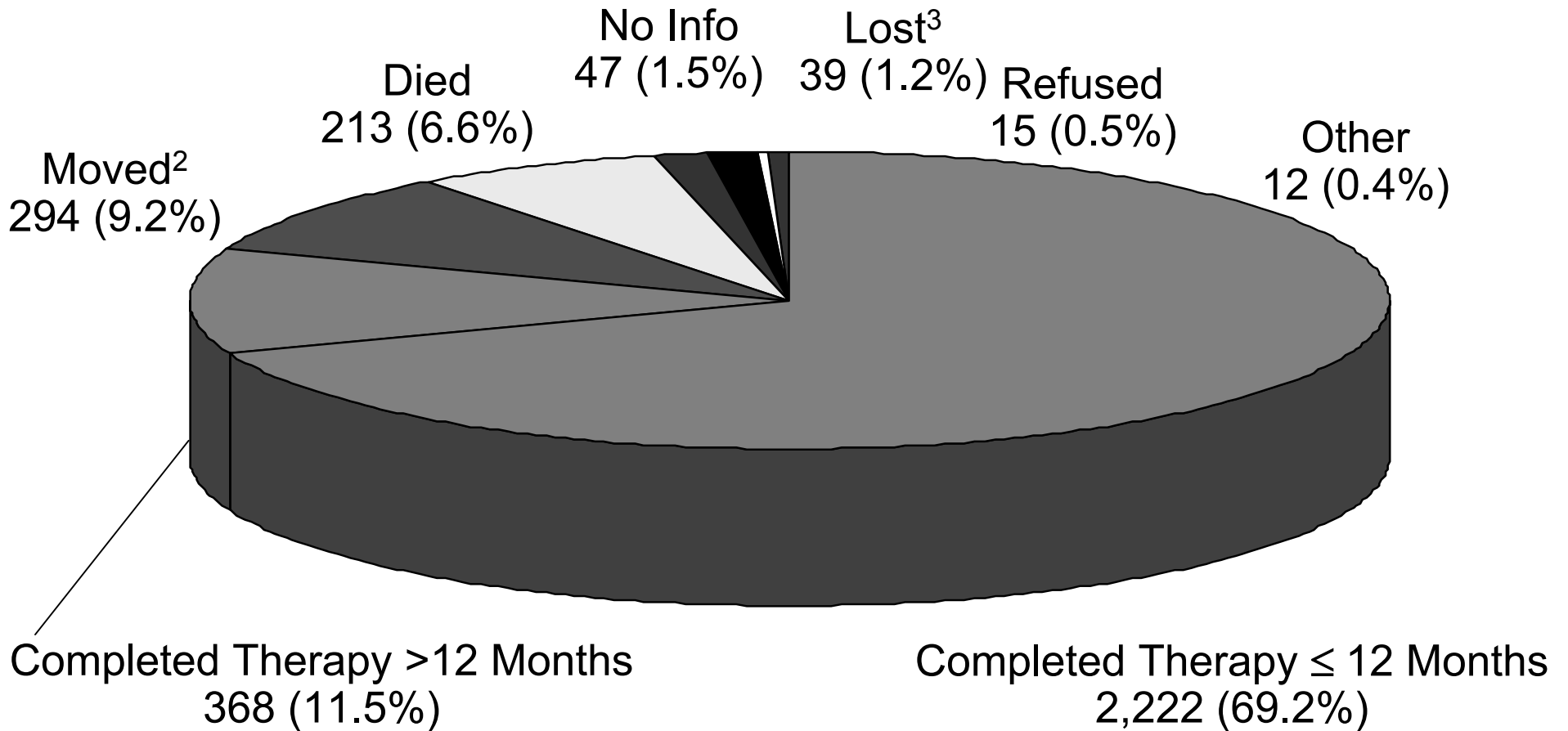
*Cases with resistance to at least isoniazid and rifampin.

Figure 13. Multi-drug Resistant (MDR)* Tuberculosis Cases by Jurisdiction: 1998-2002



*Cases with resistance to at least isoniazid and rifampin.

Figure 14. Tuberculosis Cases¹ by Reason Therapy Stopped: California, 2000

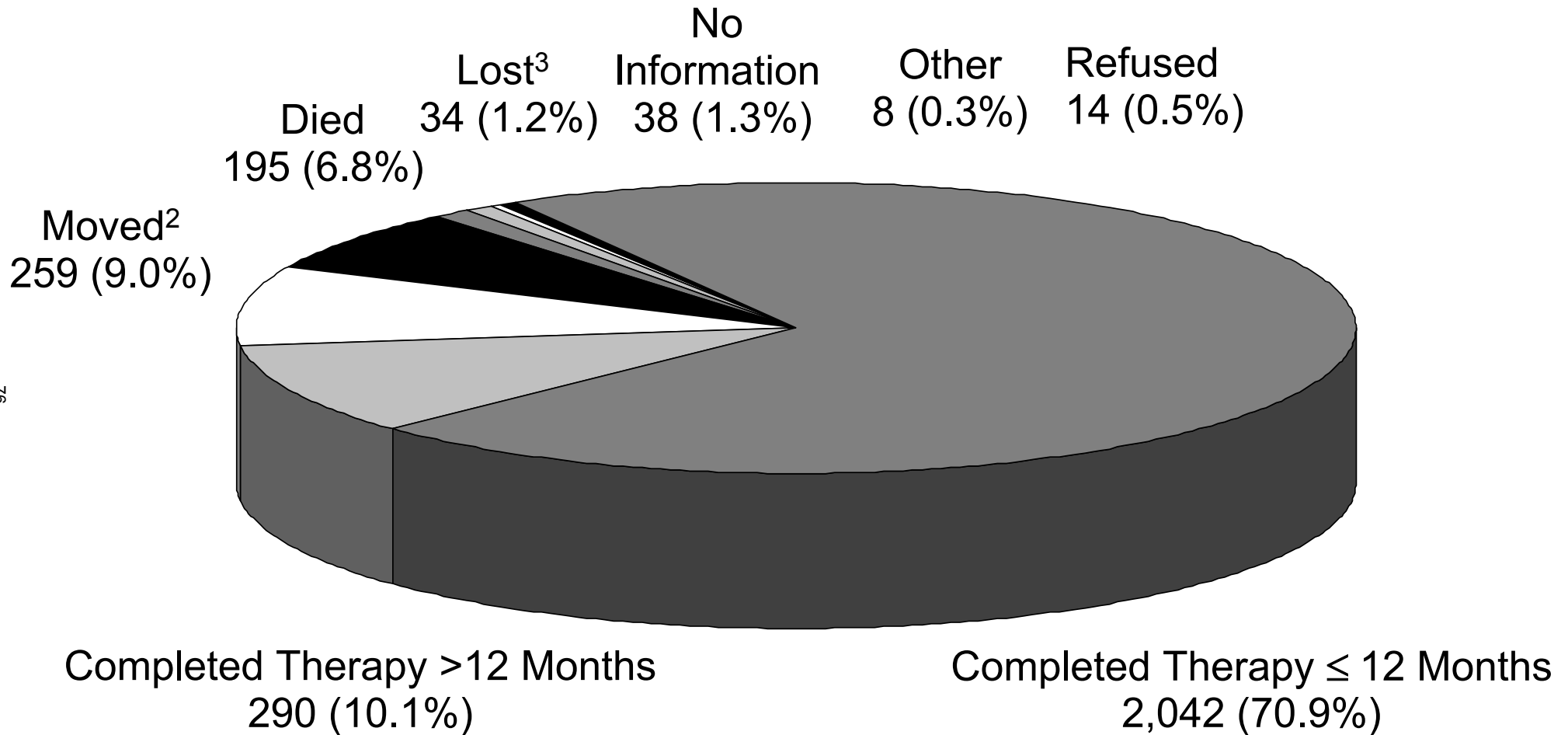


¹Patient alive at diagnosis and started on an initial drug regimen of one or more drugs.

²Patient moved to another jurisdiction with a known forwarding address before treatment was completed.

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

Figure 15. Drug-Susceptible Tuberculosis Cases¹ by Reason Therapy Stopped: California, 2000

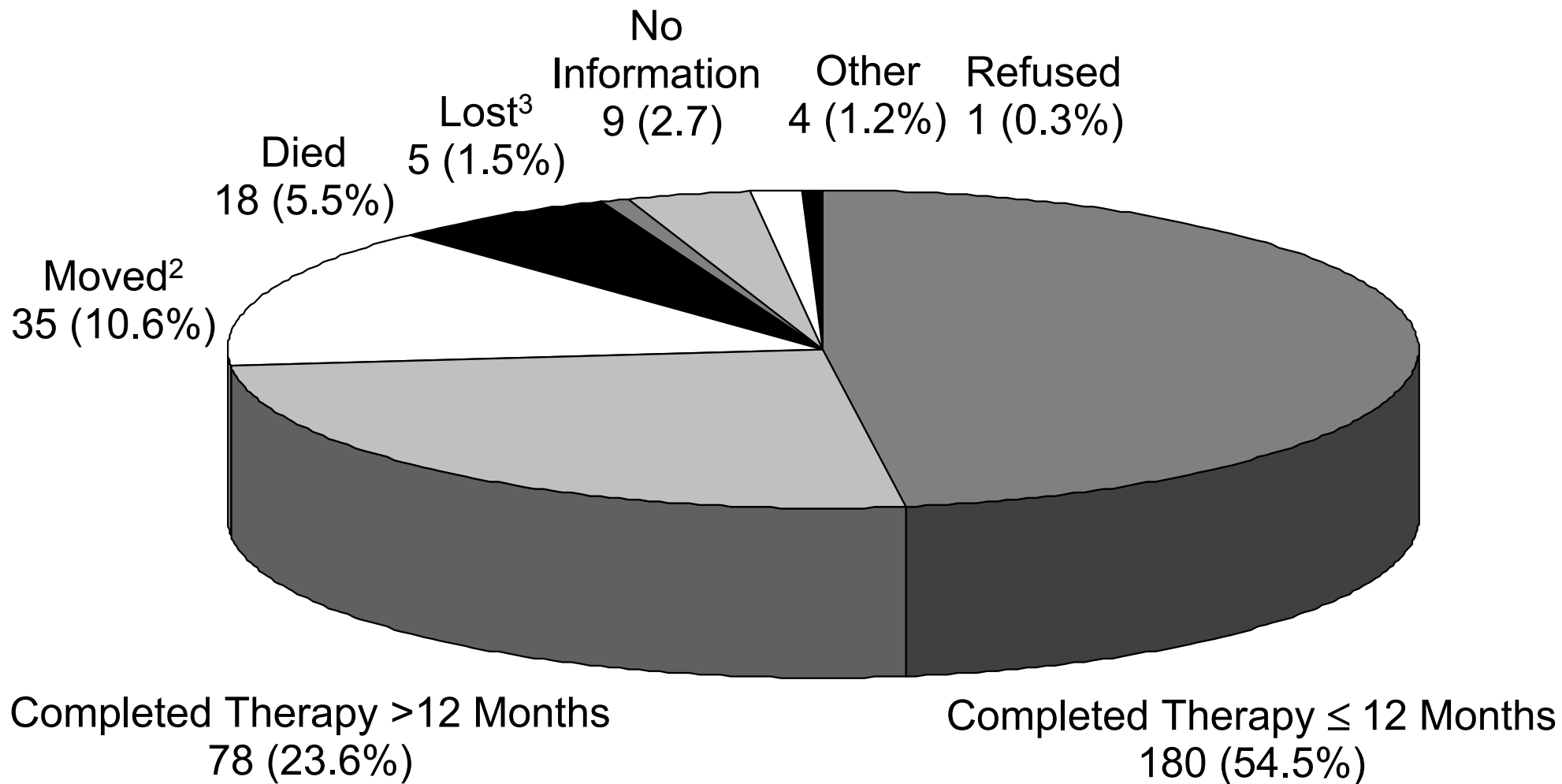


¹Patient alive at diagnosis and started on an initial drug regimen of one or more drugs, including cases with disease that is susceptible to isoniazid, rifampin, and pyrazinamide, cases without culture confirmation and cases without drug susceptibility results.

²Patient moved to another jurisdiction with a known forwarding address before treatment was completed.

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

Figure 16. Drug-Resistant Tuberculosis Cases¹ by Reason Therapy Stopped: California, 2000

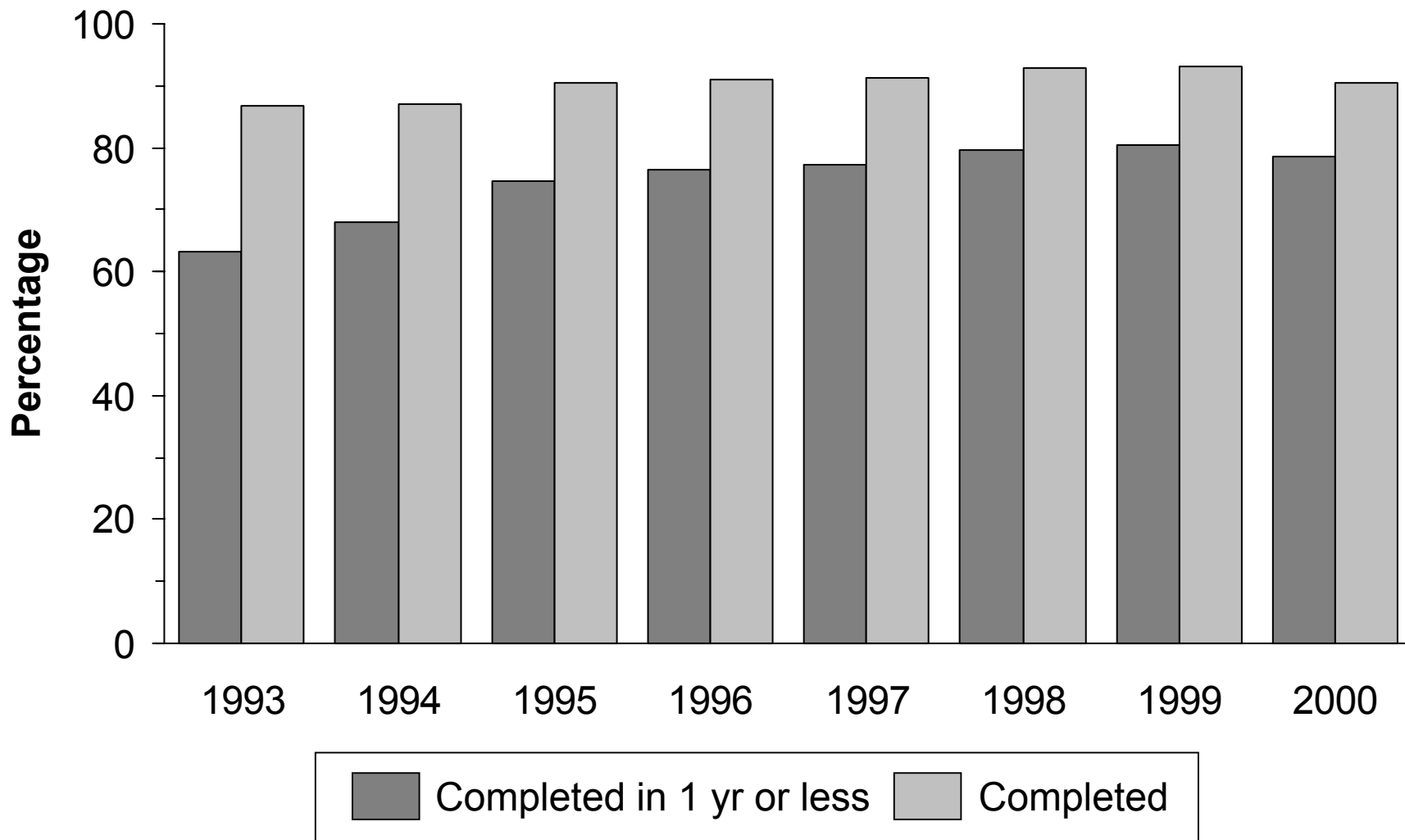


¹Patient alive at diagnosis and started on an initial drug regimen of one or more drugs; all patients have disease that is resistant to isoniazid, rifampin, and/or pyrazinamide.

² Patient moved to another jurisdiction with a known forwarding address before treatment was completed.

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

Figure 17. Completion of Tuberculosis Therapy, California, 1993-2000



Note: Persons with initial isolate resistant to rifampin, children under 15 years old with meningeal, bone or joint, or miliary disease and all persons who died during treatment were excluded.

Appendix

Technical Notes

Reporting Jurisdictions

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

Tuberculosis Cases

TB cases submitted to the TBCB Registry by January 15, 2003, were counted as cases in 2002. After reporting the case, a jurisdiction may subsequently decide that a reported case did not have TB, and this case will be deleted from the TIMS database. Also, a few cases may be reported after the submission deadline; these additions will be reflected in future reports. Therefore, the total number of TB cases counted in a given year may change, although usually by a very small number of cases. For Tables 1-7 and 12-14, we used the original number of reported cases, not the revised number. For all other tables, the revised number of cases was used.

Population Data

County population totals, and data by age, sex, and race/ethnic group for California are from the following reference: State of California, Department of Finance, *Race/Ethnic Population with Age and Sex Detail, 1970-2040*, Sacramento, California, December 1998. This report has not been revised with data from the 2000 U.S. census. To provide comparable city population estimates, the percent increase in population between 2000 and 2002 reported in the E-1 reports (State of California, Department of Finance, *E-1 City/County Population Estimates, with Annual Percent Change, January 1, 2000 and 2001*, Sacramento, California, May 2001 and *E-1 City/County Population Estimates, with Annual Percent Change, January 1, 2001 and 2002*, Sacramento, California, May 2002) which were benchmarked to the 2000 U.S. census were applied to the 2000 city estimates from: State of California, Department of Finance, *City/County Population Estimates with Annual Percentage Change, January 1, 1999 and 2000*, Sacramento, California, May 2000, benchmarked to the 1990 census.

Small Case Numbers

While there are different methods for reporting the rates of rare events, we have chosen not to report rates when the total number of TB cases is less than

five. Rates of zero, based on no TB cases, are also not reported. Where the rate is not reported, changes in rate over time are also not reported.

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

The following seven jurisdictions had one to four cases of TB in 2002: Butte, El Dorado, Inyo, Placer, San Benito, Shasta, and Yolo. The following 18 jurisdictions had no TB cases in 2002: Alpine, Amador, Calaveras, Colusa, Del Norte, Glenn, Lake, Lassen, Mariposa, Modoc, Mono, Nevada, Plumas, Sierra, Siskiyou, Tehama, Trinity, and Tuolumne.

Race/Ethnicity

The Report of Verified Case of Tuberculosis (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. If the “Hispanic” variable on the RVCT is classified as “Unknown”, then the case is reported as “Unknown” in this report even if the race variable on the RVCT has a known result.

AIDS-Associated Tuberculosis

Tuberculosis cases co-infected with the HIV virus are identified by matching TBCB Registry data with the case registry in the Office of AIDS, California Department of Health Services. At the time of this report, the match results were not available for 2002.

Ranking of Jurisdictions

For Table 12, jurisdictions are ranked in order of decreasing 2002 case rates with the highest rank first. Those jurisdictions with one to four cases are not given a rate and are given the same rank; they are listed according to decreasing number of cases. Jurisdictions with no cases of TB are given the same rank and they are listed in alphabetical order. Jurisdictions with the same rate are both given the higher rank; the subsequent rank is skipped.

Case Completion Reports (Follow-up 2)

The source of data for tables and figures on directly observed therapy (DOT), health care provider type, and treatment outcomes (Tables 27, 28, 47-51, Figures 14-16) is the Case Completion Report (Follow-up 2) submitted by the jurisdiction that originally reported the case. Thus, the data in these tables reflect the practices and outcomes of case management in the jurisdiction that counted

the case. For example, if a case moved from jurisdiction A to jurisdiction B and completes therapy there, he is counted as a “moved” case in jurisdiction A; the subsequent completion of therapy is not included in our tables. Or, if a patient receives DOT in jurisdiction A, but not in jurisdiction B, these tables reflect only that he received DOT in jurisdiction A.

Data for Figure 17 (Completion of Tuberculosis Therapy, California, 1993-2000) 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. The calculations for this figure are identical to the methodology used by the CDC to calculate completion of TB therapy. Patients with resistance to rifampin, patients under 15 years of age with meningeal, bone or joint, or miliary disease, and patients who died during treatment were excluded from this analysis. The percentage of patients who completed therapy in one year or less are presented, as well as the percentage of patients who completed therapy, regardless of duration.

Drug Susceptibility Reports

This report presents drug susceptibility results for the most recent year (2002). 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 preparation, drug susceptibility testing was approximately 95 percent complete for culture positive TB cases. As the final Follow-up 1 reports are submitted, overall proportions of drug resistance may change slightly. These updated results will be available in future reports, in tables presenting trends in drug resistance (Tables 45, 46).

Treatment Outcomes

Categories for completion of therapy (Tables 47-51, Figures 14-17) are: completed therapy in 12 months or less (includes patients whose treatment was completed in 366 days or less); completed therapy in more than 12 months (treatment completed in more than 366 days, or treatment completed in undetermined amount of time). If the day of the month is missing from the treatment start or stop date (but the month and year are available), the missing day is set to the first of the month. Because the day of the month is much more likely to be missing from the stop date than the start date, the bias in calculating the duration of therapy is toward shorter duration of therapy.

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