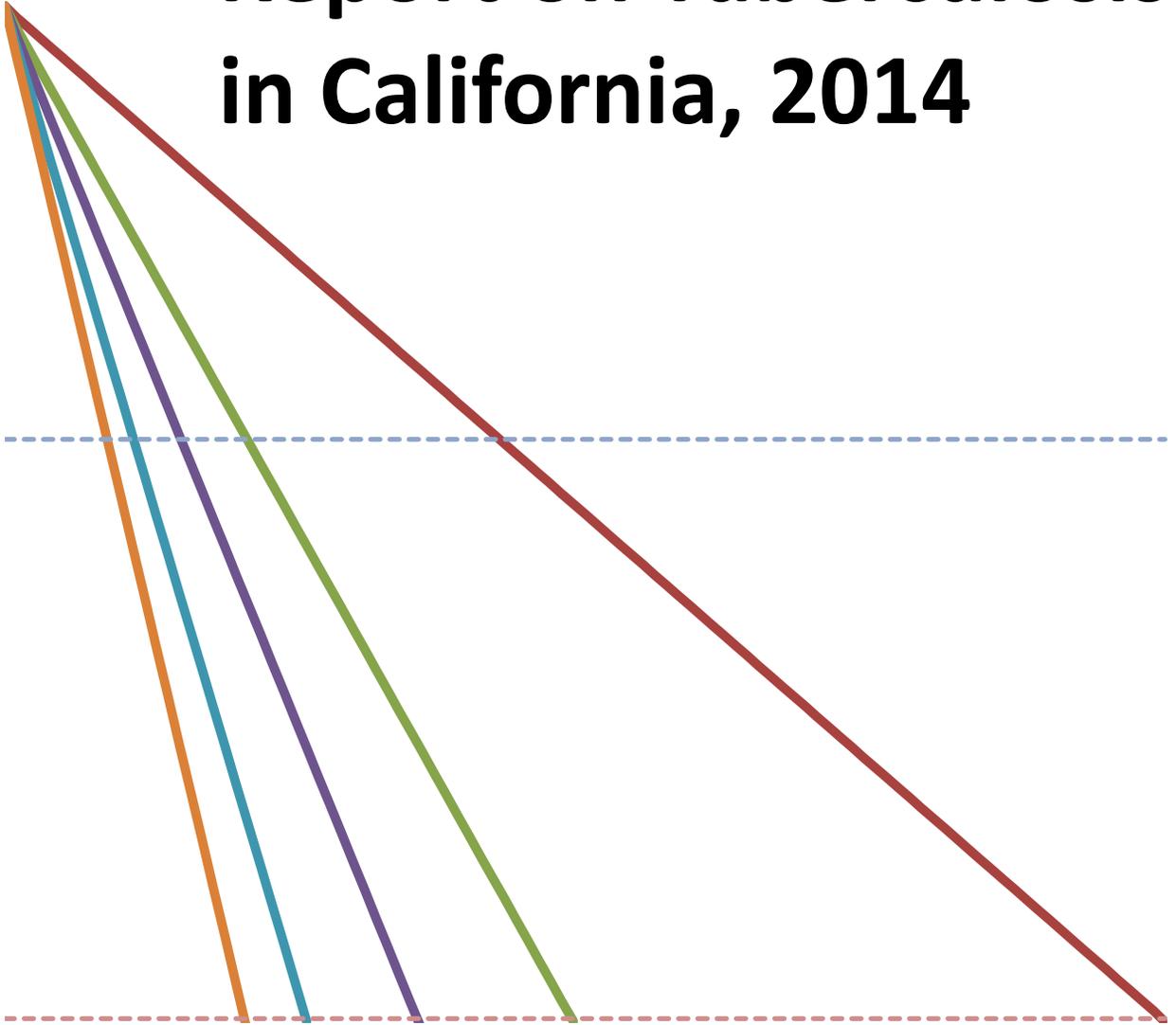


# Report on Tuberculosis in California, 2014



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State of California

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

**Karen L. Smith, MD, MPH**  
Director and State Health Officer  
California Department of Public Health



# Report on Tuberculosis in California, 2014

Edmund G. Brown Jr.  
Governor  
State of California

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August 2015



**Report on Tuberculosis in California, 2014**  
**California Department of Public Health**  
**Center for Infectious Diseases**  
**Division of Communicable Disease Control**  
**Tuberculosis Control Branch**

**August 2015**

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Cover: The graphic depicts projected times to TB elimination (orange dotted line: <1 case per million population) and pre-elimination (blue dotted line: <10 cases per million population) from 2014 to 2114, based on differing rates of annual decline in TB rates in California. The red line shows a continuation of the average rate of decline observed during 2005–2014 (-3.95 percent per year), with projected elimination in 2114. The green (-7.9% decline), purple (-10.7%), blue (-14.35%) and orange (-17.7%) lines show decreasing times to TB elimination and pre-elimination with increasing rates of decline. The blue line depicts the decline needed to reach the goal of TB elimination by 2040.



KAREN L. SMITH, MD, MPH  
Director and State Health Officer

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



EDMUND G. BROWN JR.  
Governor

August 17, 2015

Dear Colleagues:

It is my pleasure to present the Report on Tuberculosis (TB) in California, 2014. TB cases fell to an all-time low of 2,147 cases in 2014, with a rate of 5.6 per 100,000 population, which are both decreases from the previous year of less than one and two percent respectively. To reach our goal of eliminating TB (defined as <1 case per one million population) from our state by 2040, it is clear we need to expand our efforts beyond identifying and treating active TB cases, to preventing TB by diagnosing and treating latent TB infection in high risk populations. For example, TB prevention efforts such as targeted testing of foreign-born persons with conditions such as diabetes that may increase the likelihood of progression to disease can significantly reduce the number of future TB cases.

This report includes important information which can help us identify subpopulations to target to decrease the burden of TB, as well as information on the use of newer technologies for rapidly diagnosing TB disease to prevent TB transmission, including:

- For the first time, Asians and Pacific Islanders accounted for more than half of California's TB cases
- More than 80 percent of foreign-born cases had resided in the US for six years or more at the time of TB diagnosis
- Nearly a quarter of TB cases had a co-diagnosis of diabetes
- Only 56 percent of cases had a rapid molecular test to diagnose TB

For the first time, the report tables are provided in Excel format on our website (<http://cdph.ca.gov/programs/tb>) to make it easier to use the data in presentations or other analyses. We welcome any feedback you have on this change.

In May 2015, the California Department of Public Health, Tuberculosis Control Branch convened the California TB Elimination Task Force to identify additional strategies to move more rapidly toward elimination. I thank everyone who is working to control TB in California and hope that you will join us in the effort to prevent TB in our state and move us toward a TB-free California.

Sincerely,

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

## **CONTENTS**

### **Introduction**

### **Acknowledgment**

### **Executive Summary**

#### **Tuberculosis in California: 2014 and Recent Trends**

- Table 1. Tuberculosis Cases and Case Rates per 100,000 Population: California, 1985-2014
- Table 2. Tuberculosis Cases by Race/Ethnicity, Age Group, Sex, and Birthplace: California, 2005-2014
- Table 3. Tuberculosis Case Rates per 100,000 Population by Race/Ethnicity, Age Group, Sex, and Birthplace: California, 2005-2014
- Table 4. Tuberculosis Cases by Race/Ethnicity and Age Group: California, 2005-2014
- Table 5. Tuberculosis Case Rates per 100,000 Population by Race/Ethnicity and Age Group: California, 2005-2014
- Table 6. Tuberculosis Cases by Race/Ethnicity, Sex, and Age Group: California, 2014
- Table 7. Tuberculosis Case Rates per 100,000 Population by Race/Ethnicity, Sex, and Age Group: California, 2014
- Table 8. Tuberculosis Cases in U.S.-born Persons by Race/Ethnicity, Sex, and Age Group: California, 2014
- Table 9. Tuberculosis Cases in Foreign-born Persons by Race/Ethnicity, Sex, and Age Group: California, 2014
- Table 10. Tuberculosis Cases in Foreign-born Persons by Country of Origin and Time in the United States: California, 2014
- Table 11. HIV/AIDS-associated Tuberculosis by Demographic Characteristics and Risk Factors for Tuberculosis: California, 2007-2012

#### **Demographics of Tuberculosis Cases: Reporting Jurisdictions in California, 2014 and Recent Trends**

- Table 12. Tuberculosis Cases, Rate per 100,000 Population, and Rank According to Rate: Reporting Jurisdictions in California, 2012-2014
- Table 13. Tuberculosis Cases by Year: Reporting Jurisdictions in California, 2005-2014
- Table 14. Tuberculosis Case Rates per 100,000 Population: Reporting Jurisdictions in California, 2005-2014
- Table 15. Tuberculosis Cases by Age Group: Reporting Jurisdictions in California, 2014
- Table 16. Tuberculosis Cases in Persons 0-4 Years of Age: Reporting Jurisdictions in California, 2005-2014
- Table 17. Tuberculosis Cases 0-14 Years of Age that Lived Outside the United States for Greater than Two Months: Reporting Jurisdictions in California, 2014
- Table 18. Tuberculosis Cases by Race/Ethnicity: Reporting Jurisdictions in California, 2014
- Table 19. Tuberculosis Cases by U.S.-born and Foreign-born Persons: Reporting Jurisdictions in California, 2014
- Table 20. Tuberculosis Cases in Foreign-born Persons by Time in the United States: Reporting Jurisdictions in California, 2014

Table 21. Immigration Status of Foreign-born Tuberculosis Cases at First Entry into the United States: Reporting Jurisdictions in California, 2014

**Characteristics of Tuberculosis Disease and Its Management: Reporting Jurisdictions in California, 2012 and 2014**

Table 22. Primary Reason Evaluated for Tuberculosis: Reporting Jurisdictions in California, 2014

Table 23. Tuberculosis Cases by Form of Disease: Reporting Jurisdictions in California, 2014

Table 24. Verification Criteria by Diagnostic Classification of Tuberculosis: Reporting Jurisdictions in California, 2014

Table 25. Tuberculosis Cases by Sputum Smear Status: Reporting Jurisdictions in California, 2014

Table 26. Nucleic Acid Amplification Test Results at Time of Diagnosis: Reporting Jurisdictions in California, 2014

Table 27. Tuberculosis Cases by Chest X-ray Status: Reporting Jurisdictions in California, 2014

Table 28. Tuberculosis Cases by Chest CT Scan or Other Chest Imaging Study: Reporting Jurisdictions in California, 2014

Table 29. Interferon Gamma Release Assay and Tuberculin Skin Test at Diagnosis: Reporting Jurisdictions in California, 2014

Table 30. Tuberculosis Cases by Vital Status at Diagnosis and Initiation of Treatment: Reporting Jurisdictions in California, 2014

Table 31. Deaths in Persons with Tuberculosis: Reporting Jurisdictions in California, 2012

Table 32. Tuberculosis Cases by Initial Drug Regimen: Reporting Jurisdictions in California, 2014

Table 33. Tuberculosis Cases by Type of Health Care Provider: Reporting Jurisdictions in California, 2012

Table 34. Tuberculosis Cases by Type of Therapy Administration: Reporting Jurisdictions in California, 2012

**Risk Factors for Tuberculosis: Reporting Jurisdictions in California, 2014 and Recent Trends**

Table 35. Tuberculosis Cases by HIV/AIDS Diagnosis: Reporting Jurisdictions in California, 2006-2012

Table 36. HIV Status at Time of Tuberculosis Diagnosis: Reporting Jurisdictions in California, 2014

Table 37. Medical Risk Factors for Tuberculosis: Reporting Jurisdictions in California, 2014

Table 38. Non-medical Epidemiologic Risk Factors for Tuberculosis: Reporting Jurisdictions in California, 2014

Table 39. Tuberculosis Cases Among Residents of Correctional Facilities: Reporting Jurisdictions in California, 2014

Table 40. Tuberculosis Cases by Homeless Status: Reporting Jurisdictions in California, 2014

Table 41. Tuberculosis Cases Among Persons in Long-term Care Facilities: Reporting Jurisdictions in California, 2014

Table 42. Tuberculosis Cases Among Persons Using Injecting Drugs: Reporting Jurisdictions in California, 2014

- Table 43. Tuberculosis Cases Among Persons Using Non-injecting Drugs: Reporting Jurisdictions in California, 2014
- Table 44. Tuberculosis Cases Among Persons Using Excess Alcohol: Reporting Jurisdictions in California, 2014
- Table 45. Tuberculosis Cases by Occupation, Age  $\geq$  15: Reporting Jurisdictions in California, 2014

### **Drug Resistance: Reporting Jurisdictions in California, 2014 and Recent Trends**

- Table 46. Tuberculosis Cases by Initial Drug Susceptibility Testing: Reporting Jurisdictions in California, 2014
- Table 47. Tuberculosis Cases by Resistance to Isoniazid and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014
- Table 48. Tuberculosis Cases by Resistance to Rifampin and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014
- Table 49. Tuberculosis Cases by Resistance to Ethambutol and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014
- Table 50. Tuberculosis Cases by Resistance to Pyrazinamide and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014
- Table 51. Tuberculosis Cases by Resistance to Streptomycin and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014
- Table 52. Multidrug-resistant Tuberculosis Cases by History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014
- Table 53. Tuberculosis Cases by Resistance to at Least One First-line Drug and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014
- Table 54. Tuberculosis Cases by Resistance to Isoniazid: Reporting Jurisdictions in California, 2008-2014
- Table 55. Multidrug-resistant Tuberculosis Cases: Reporting Jurisdictions in California, 2008-2014
- Table 56. Multidrug-resistant Tuberculosis Cases by Country of Origin: Reporting Jurisdictions in California, 2010-2014

### **Treatment Outcomes: California and Reporting Jurisdictions, 2012**

- Table 57. Tuberculosis Cases by Outcome of Therapy: Reporting Jurisdictions in California, 2012
- Table 58. Outcome in Tuberculosis Cases for Whom One Year or Less of Therapy was Indicated: Reporting Jurisdictions in California, 2012
- Table 59. Completion of Therapy in Tuberculosis Cases for Whom One Year or Less of Therapy was Indicated: Reporting Jurisdictions in California, 2012
- Table 60. Outcome in Tuberculosis Cases for Whom Greater than One Year of Therapy was Indicated: Reporting Jurisdictions in California, 2012
- Table 61. Reason Tuberculosis Therapy Was Extended Beyond 12 Months: Reporting Jurisdictions in California, 2012
- Table 62. Tuberculosis Cases by Outcome of Therapy and Risk Factor for Tuberculosis: California, 2012
- Table 63. Outcome in Tuberculosis Cases for Whom One Year or Less of Therapy was Indicated, by Risk Factor for Tuberculosis: California, 2012

### **Figures**

- Figure 1. Number of Tuberculosis Cases: California, 1930-2014
- Figure 2. Number of Tuberculosis Cases and Case Rates: California, 2005-2014
- Figure 3. Geographic Distribution of Tuberculosis in California, 2014

- Figure 4. Tuberculosis Cases by Race/Ethnicity: California, 2014
- Figure 5. Tuberculosis Case Rates by Race/Ethnicity: California, 2005-2014
- Figure 6. Tuberculosis Cases in Foreign-born and U.S.-born Persons: California, 2005-2014
- Figure 7. Tuberculosis Cases by Country of Origin: California, 2014
- Figure 8. Tuberculosis Cases in Persons 0–4 Years of Age: California, 2005-2014
- Figure 9. Tuberculosis Cases by Verification Criteria: California, 2014
- Figure 10. Deaths in Persons with Tuberculosis: California, 2003-2012
- Figure 11. Tuberculosis Cases by HIV/AIDS Diagnosis: California, 2003-2012
- Figure 12. HIV/AIDS-associated Tuberculosis by Race/Ethnicity: California, 2004-2013
- Figure 13. Tuberculosis Cases with Multidrug Resistance (MDR) on Initial or Final Drug Susceptibility Testing: California, 2003-2012
- Figure 14. Tuberculosis Cases with Initial Multidrug Resistance (MDR): California, 2010-2014
- Figure 15. Tuberculosis Cases by Outcome of Therapy: California, 2012
- Figure 16. Outcome in Tuberculosis Cases for Whom One Year or Less of Treatment was Indicated: California, 2012
- Figure 17. Outcome in Tuberculosis Cases for Whom Greater than One Year of Treatment was Indicated: California, 2012
- Figure 18. Completion of Tuberculosis Therapy: California, 2003-2012

## **Technical Notes**

## **Introduction**

Tuberculosis (TB) case reports are submitted to the California Department of Public Health (CDPH), TB Control Branch (TBCB), by 61 local health jurisdictions (58 counties, and the cities of Berkeley, Long Beach, and Pasadena). In 1993, the Centers for Disease Control and Prevention (CDC), in conjunction with state and local health departments, began using the Report of Verified Case of Tuberculosis (RVCT) to collect information on each case of TB. The RVCT includes demographic and clinical characteristics of TB cases, as well as information on drug resistance, risk factors for TB, and treatment outcomes. In 2009, CDC released an expanded RVCT that collects additional information to address the changing epidemiology of TB in terms of risk factors, new drug treatments, and enhanced laboratory capacity for diagnostic tests. California implemented this revised RVCT January 1, 2010.

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

## **Acknowledgment**

TBCB would like to thank surveillance and reporting staff in all local reporting jurisdictions. With their hard work we have useful and complete data for this publication. We also acknowledge the support of our partners at CDC's Division of Tuberculosis Elimination.

## Executive Summary

The number of tuberculosis (TB) cases was 2147 in 2014, a slight decrease compared to 2013 when the number of cases was 2166 (Table 1). The TB rate declined to 5.6 per 100,000 population from 5.7 per 100,000 in the same time period (Table 2). In 2014, California reported nearly 23 percent of the nation's 9412 TB cases, and the California rate was nearly twice the national rate of 3.0 per 100,000. Although recent declines have been small, TB cases have declined by 60 percent since the most recent peak in 1992. While finding and treating active TB cases continues to be the primary focus of public health programs, California's goal is the elimination of TB in our state by 2040. TB elimination is defined as <1 case per million population, which translates to a target of approximately 46 cases per year in California. To reach this ambitious goal we need diverse and innovative strategies, and to expand our focus to include testing and treatment of latent TB infection (LTBI) among populations at risk for TB.

### Geographic distribution of TB

Although TB continues to be diagnosed throughout California, 17 rural local health jurisdictions (LHJs) reported no TB cases in 2014 (Table 12). Of those, nine LHJs have not reported a TB case in the past five years (Table 13). Twenty of 61 (33 percent) LHJs reported an increase in the number of TB cases in 2013–2014 (Table 13).

### Disparities in TB among racial and ethnic groups

TB case numbers and rates declined in Hispanic, white non-Hispanic and black non-Hispanic racial/ethnic groups in 2014 compared to 2013, while the TB rate among Asians and Pacific Islanders remained stable (Table 2). Despite the successes, disparities continue to exist between racial/ethnic groups compared to white non-Hispanics. In 2014, the TB rate among Asians and Pacific Islanders was 16 times greater than whites, while the rates among Hispanics and blacks were nearly four times as great (Table 3). Ninety-three percent of Asians and Pacific Islander TB cases in California are born outside the United States (U.S.), contributing to the disparity in TB rates between U.S.- and foreign-born persons (Tables 8, 9). In 2014 the rate of TB among persons born outside the United States was 16.1 per 100,000, compared to a rate of 1.6 per 100,000 in U.S.-born persons (Table 3). For the first time, more than half of all TB cases in California occurred among Asians and Pacific Islanders (Table 2).

### Age of TB patients

In 2014, more than 31 percent of TB patients were reported in persons 65 years of age or older (Table 2), in contrast to 1993, the first year of our current TB reporting system, when only 18 percent were in the older age category. In the same time period, the median age of all TB cases rose to 53 from 39 years. This increase in age was predominately driven by foreign-born TB cases among whom the median age increased from 39 to 56 years between 1993 and 2014. In contrast, the age of U.S.-born cases remained fairly stable, fluctuating between 37 and 45 years.

Fifty-six cases of TB were reported in children under the age of five in 2014 (Tables 2, 15, 16). Children are more likely than adults (ten vs. two percent) to be diagnosed with TB in the central nervous system, a severe form of the disease, which may result in death or long-term disability. TB in very young children is often the result of transmission from a family member or caregiver whose TB had not been diagnosed and treated in a timely manner.

### Foreign-born persons with TB

In 2014, 78 percent of California's TB cases were reported in persons born outside the United States (Table 2). Of these, 76 percent were born in Mexico, the Philippines, Vietnam, China, or India - all countries with an elevated burden of TB (Table 10). Approximately two-thirds of all foreign-born cases have resided in the United States for more than ten years. TB in these persons is likely the result of reactivation of LTBI acquired in their home country rather than recent infection. Identification and treatment of LTBI in foreign-born populations at high risk for progression to active TB is one strategy to move California toward TB elimination. The California Tuberculosis Control Branch (TBCB) and the California Tuberculosis Controllers Association (CTCA) are developing a risk assessment tool to assist health care providers to identify persons who are at an increased likelihood of TB infection and would benefit from LTBI testing and treatment.

Ten percent of foreign-born cases arrived in the United States within one year of their TB diagnosis, indicating active TB was likely imported from their country of origin (Table 10). Although overseas screening for infectious diseases, including active TB, is required for persons applying for permanent residency in the United States, undocumented persons and persons with non-permanent visa types are not screened for TB, nor are persons screened for LTBI. The Centers for Disease Control and Prevention (CDC) is currently in the planning stages for implementing overseas screening for long-term non-permanent visa holders, including students and workers. In 2014, 39 cases of TB were reported in persons who first entered the United States with a student visa, and 35 cases were reported in persons with an employment visa (Table 21). TB cases in these populations may result in extended contact investigations in school or work settings, possible transmission of disease to others, and can be resource intensive for LHJs. The addition of overseas screening for LTBI, and the screening and treatment of LTBI among arrivers in the United States could diminish the pool of persons who may progress to TB disease in the future.

#### Medical risk factors for TB

Persons with medical conditions that compromise the immune system may be at increased risk for TB. In 2014, 508 cases (24 percent) also had a diagnosis of diabetes, 126 (six percent) had an immunosuppressive condition other than HIV, 82 (four percent) had end-stage renal disease, 23 (one percent) had received an organ transplant, and 20 (one percent) were on TNF-alpha antagonist therapy (Table 37). Thirty-four percent (n=727) of all TB cases had one or more of these medical risk factors known to increase the likelihood of progression from latent infection to active TB disease. Among foreign-born persons, 37 percent had one or more medical risk factor compared to 25 percent of U.S.-born persons. Nearly fifty percent of TB cases with diabetes were 65 or more years of age, and more than 90 percent were 45 years or older. Targeted testing of diabetes patients provides an opportunity for early detection and treatment of TB disease, and for decreasing the incidence of TB in California through testing and treatment for LTBI.

State and national guidelines recommend testing all TB patients for HIV. In 2014, 87 percent of all TB patients were tested for HIV (Table 36), an increase from 80 percent in 2011, the earliest year for which data are available. Of those tested in 2014, 87 (4.7 percent) TB patients were co-infected with HIV, and 60 percent of those were foreign-born. Because untreated latent TB infection can quickly progress to TB disease in persons living with HIV, testing of HIV patients for TB is an opportunity to prevent additional TB disease.

#### Occupational and social risk factors for TB

Less than four percent (n=79) of California's adult TB cases were diagnosed in health care workers in 2014 (Table 45). Other occupations that may include workers who are at high risk for TB, or place workers at risk for exposure to TB, are migratory seasonal work (n=56 cases) and correctional facility employment (n=1 case). Foreign-born persons comprise a greater proportion of both health care workers and migrant workers with TB compared to the proportion of foreign-born among all TB cases. Eighty-two percent of health care workers, and 96 percent of migrant workers with TB are foreign-born, compared to 77 percent of all TB cases.

In 2014, 63 (three percent) TB cases were residing in a correctional facility at the time of their TB diagnosis (Table 39). U.S.-born cases are more likely than foreign-born cases to be diagnosed in a correctional facility (5.4 vs. 2.3 percent), however, 60 percent of patients diagnosed in a correctional facility were foreign-born. Focused screening in these facilities where TB may be easily transmitted has resulted in declines in the number and proportion of correctional facility cases from 288 (five percent) in 1994.

### Diagnostic tests for TB

The interferon gamma release assay (IGRA) is a blood test for TB infection that can be used instead of the tuberculin skin test (TST). The IGRA is not reactive following vaccination with bacille Calmette-Guerin (BCG) vaccine, and therefore is more specific than the TST in detecting TB infection in persons from countries with high rates of BCG vaccination. In 2014, 59 percent of TB cases had IGRA tests performed (79 percent positive) (Table 29), compared to 22 percent in 2010. IGRA testing was done in 56 percent of foreign-born cases, and 52 percent of U.S.-born cases in 2014.

The results of the nucleic acid amplification (NAA) test, used to identify *Mycobacterium tuberculosis* in respiratory specimens can be available in 24–48 hours after specimen collection. NAA tests were done in 80 percent of sputum smear positive cases, and 42 percent of sputum smear negative cases. The use of NAA tests among patients who had health department involvement in their care rose to 56 percent in 2014 from 41 percent in 2010. Among patients cared for in the private sector, NAA test use increased to 51 percent from 34 percent in the same time period. Continued expansion of the use of this test will result in earlier detection and treatment of TB cases, and reduce the risk of transmission to others.

### TB drug resistance

Resistance to most anti-tuberculosis drugs has remained stable since 1993, when this information was first collected on the TB case report form. Resistance to isoniazid, one of the most commonly used TB drugs is seen in 9–12 percent of culture positive TB cases each year (Table 54). In 2014, there were 17 (one percent) cases of multidrug resistance reported, defined as resistance to both isoniazid and rifampin (Table 52). Multidrug resistance ranges from 1–2 percent each year (Table 55). Although MDR TB occurs in relatively small numbers, these cases can be difficult and resource-intensive to treat. TBCB's California MDR TB Service provides expert consultation to local TB programs to ensure the best chance for cure in these patients.

Pyrazinamide (PZA) resistance has increased among those tested, from 3–4 percent prior to 2002, to 4–7 percent since 2003 (Table 50). PZA resistance, especially when occurring without resistance to other drugs, is typically suggestive of *Mycobacterium bovis*, a type of TB caused by eating or drinking contaminated unpasteurized dairy products. *M. bovis* is predominately found in children and is associated with extra-pulmonary disease. Genotype testing of specimens from TB patients is available to more definitively identify *M. bovis*. In 2015, TBCB

implemented supplemental surveillance of *M. bovis* TB cases linked to genotyping results, which will provide additional information about unpasteurized dairy exposure to prevent the occurrence of this strain of the disease.

### Completion of treatment

In 2012, the most recent year for which there is complete data available, 77 percent of patients who should complete treatment in one year or less did so in the recommended period of time, and an additional nine percent completed therapy in a longer time period (Table 58). Excluding persons with difficult-to-treat sites of disease, those who died within one year of starting treatment, and those who moved out of the country, nearly 86 percent of TB cases expected to complete treatment in less than one year did so, up from 82 percent in 2007 (Table 60, Figure 18).

### Deaths with TB

Among TB cases reported in 2012, there were 214 (10 percent) deaths. Of those, 166 (8 percent) died during treatment (Table 57), and 48 (2 percent) were dead at the time TB was diagnosed, or died before TB treatment was begun. Persons who died during TB therapy were older than those who did not die (median age 74 vs. 49), and were more likely to have a medical risk factor such as diabetes (44 vs. 21 percent), end stage renal disease (17 vs. 2 percent), or another immunosuppressive condition (16 vs. 5 percent).

Approximately 10 percent of TB patients continue to die each year, a percent that has not changed since expanded TB case reporting began in 1993. TBCB is working with CDC to better understand the reasons persons die with TB, and to identify opportunities to prevent deaths when possible.

### Patients that move before completing treatment

In 2012, more than eight percent (n=178) of TB patients who began treatment moved out of the jurisdiction where their TB was diagnosed prior to treatment completion. Of these, 35 percent moved within California, 19 percent moved to another state, and 47 percent moved out of the country. TBCB coordinates transfers between California LHJs and other states, and works closely with international referral agencies like CureTB ([http://www.sandiegocounty.gov/hhsa/programs/phs/cure\\_tb/](http://www.sandiegocounty.gov/hhsa/programs/phs/cure_tb/)) and TBNet (<http://www.migrantclinician.org/services/network/tbnet.html>). This work ensures these patients continue treatment in their destination country to prevent further transmission of disease and development of drug resistance that may result from lapses in treatment during a patient's relocation. TBCB is incorporating the outcomes into the TB surveillance system from patients who complete TB treatment out of the country, and will include these results in future reports as they become available.

### Summary

TB cases and rates continue to decrease in California, but the rate of decline has slowed. The largest single annual decline was 9 percent (1999–2000), while during 1992–2000 the overall average decline was six percent. In the most recent decade, the average annual decline was only three percent. At the current rate of decline, TB will not be eliminated from California until 2116. Nearly ten percent of TB cases continue to die each year, and TB is diagnosed in a young child every week. Continuing our efforts to identify and successfully treat active TB cases in California is important to prevent transmission and the most severe outcomes. However, this strategy alone may not be sufficient to increase the decline in TB. In order to

reach the goal of TB elimination (<1 case per million population) by 2040, the TB community now must expand our focus to preventing TB. To decrease the estimated pool of 2.5 million Californians with TB infection, we need to test populations at risk for TB, such as foreign-born persons, and use shorter duration treatments for LTBI including four months of rifampin (4R), or three months of isoniazid and rifapentine (3HP). In May 2015, California convened the first meeting of the California TB Elimination Task Force with the objective of identifying additional strategies to more rapidly move us toward a TB-free California.

**Table 1. Tuberculosis Cases and Case Rates per 100,000 Population: California, 1985-2014**

| Year | Cases | Rate | Percent Change in Cases From Previous Year | Percent Change in Rate From Previous Year |
|------|-------|------|--|---|
| 1985 | 3492  | 13.2 | .  | .   |
| 1986 | 3442  | 12.7 | -1.4                                       | -3.8                                      |
| 1987 | 3719  | 13.4 | 8.0  | 5.5                                       |
| 1988 | 3468  | 12.2 | -6.7                                       | -9.0                                      |
| 1989 | 4212  | 14.5 | 21.5                                       | 18.9                                      |
| 1990 | 4889  | 16.4 | 16.1                                       | 13.1                                      |
| 1991 | 5273  | 17.3 | 7.9  | 5.5                                       |
| 1992 | 5382  | 17.4 | 2.1  | 0.6                                       |
| 1993 | 5150  | 16.4 | -4.3                                       | -5.7                                      |
| 1994 | 4834  | 15.3 | -6.1                                       | -6.7                                      |
| 1995 | 4656  | 14.7 | -3.7                                       | -3.9                                      |
| 1996 | 4288  | 13.4 | -7.9                                       | -8.8                                      |
| 1997 | 4045  | 12.5 | -5.7                                       | -6.7                                      |
| 1998 | 3850  | 11.7 | -4.8                                       | -6.4                                      |
| 1999 | 3604  | 10.8 | -6.4                                       | -7.7                                      |
| 2000 | 3288  | 9.7  | -8.8                                       | -10.2                                     |
| 2001 | 3329  | 9.6  | 1.2  | -1.0                                      |
| 2002 | 3172  | 9.1  | -4.7                                       | -5.2                                      |
| 2003 | 3218  | 9.1  | 1.5  | 0.0                                       |
| 2004 | 2992  | 8.4  | -7.0                                       | -7.7                                      |
| 2005 | 2900  | 8.1  | -3.1                                       | -3.6                                      |
| 2006 | 2776  | 7.7  | -4.3                                       | -4.9                                      |
| 2007 | 2725  | 7.5  | -1.8                                       | -2.6                                      |
| 2008 | 2699  | 7.3  | -1.0                                       | -2.7                                      |
| 2009 | 2467  | 6.7  | -8.6                                       | -8.2                                      |
| 2010 | 2325  | 6.2  | -5.8                                       | -7.5                                      |
| 2011 | 2323  | 6.2  | -0.1                                       | 0.0                                       |
| 2012 | 2188  | 5.8  | -5.8                                       | -6.5                                      |
| 2013 | 2166  | 5.7  | -1.0                                       | -1.7                                      |
| 2014 | 2147  | 5.6  | -0.9                                       | -1.8                                      |

Note: Denominators for computing rates are from the California Department of Finance, E-2 California County Population Estimates and Components of Change. California Department of Public Health, Tuberculosis Control Branch

**Table 2. Tuberculosis Cases by Race/Ethnicity, Age Group, Sex, and Birthplace: California, 2005-2014**

|             | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Percent Change<br>2005-2014 | Percent Change<br>2013-2014 |
|-------------|------|------|------|------|------|------|------|------|------|------|-----------------------------|-----------------------------|
| Total Cases | 2900 | 2776 | 2725 | 2699 | 2467 | 2325 | 2323 | 2188 | 2166 | 2147 | -26.0                       | -0.9                        |

| Race/Ethnicity                | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Percent Change<br>2005-2014 | Percent Change<br>2013-2014 |
|-------------------------------|------|------|------|------|------|------|------|------|------|------|-----------------------------|-----------------------------|
| White, Not Hispanic           | 268  | 267  | 237  | 260  | 217  | 185  | 193  | 180  | 178  | 165  | -38.4                       | -7.3                        |
| Black, Not Hispanic           | 225  | 208  | 218  | 210  | 190  | 153  | 138  | 137  | 136  | 118  | -47.6                       | -13.2                       |
| Hispanic                      | 1127 | 1066 | 995  | 1059 | 913  | 872  | 851  | 817  | 784  | 776  | -31.1                       | -1.0                        |
| Asian/Pacific Islander        | 1271 | 1222 | 1260 | 1160 | 1135 | 1114 | 1136 | 1045 | 1064 | 1081 | -14.9                       | 1.6                         |
| American Indian/Alaska Native | 5    | 9    | 6    | 9    | 5    | 1    | 5    | 9    | 4    | 4    | .                           | .                           |
| Unknown                       | 4    | 4    | 9    | 1    | 7    | .    | .    | .    | .    | 3    | .                           | .                           |

| Age Group | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Percent Change<br>2005-2014 | Percent Change<br>2013-2014 |
|-----------|------|------|------|------|------|------|------|------|------|------|-----------------------------|-----------------------------|
| 0-4       | 85   | 91   | 89   | 90   | 70   | 55   | 82   | 48   | 58   | 56   | -34.1                       | -3.4                        |
| 5-14      | 66   | 45   | 46   | 66   | 55   | 46   | 46   | 40   | 32   | 35   | -47.0                       | 9.4                         |
| 15-24     | 281  | 321  | 293  | 279  | 237  | 216  | 180  | 215  | 185  | 187  | -33.5                       | 1.1                         |
| 25-44     | 916  | 855  | 787  | 813  | 736  | 680  | 625  | 596  | 552  | 530  | -42.1                       | -4.0                        |
| 45-64     | 846  | 790  | 861  | 829  | 740  | 737  | 773  | 701  | 665  | 661  | -21.9                       | -0.6                        |
| 65+       | 706  | 674  | 649  | 622  | 629  | 591  | 617  | 588  | 674  | 678  | -4.0                        | 0.6                         |

| Sex     | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Percent Change<br>2005-2014 | Percent Change<br>2013-2014 |
|---------|------|------|------|------|------|------|------|------|------|------|-----------------------------|-----------------------------|
| Male    | 1750 | 1666 | 1651 | 1657 | 1499 | 1376 | 1381 | 1295 | 1323 | 1299 | -25.8                       | -1.8                        |
| Female  | 1150 | 1110 | 1074 | 1042 | 967  | 949  | 942  | 893  | 843  | 848  | -26.3                       | 0.6                         |
| Unknown | .    | .    | .    | .    | 1    | .    | .    | .    | .    | .    | .                           | .                           |

| Birthplace   | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Percent Change<br>2005-2014 | Percent Change<br>2013-2014 |
|--------------|------|------|------|------|------|------|------|------|------|------|-----------------------------|-----------------------------|
| U.S.-born    | 652  | 631  | 594  | 663  | 580  | 494  | 513  | 465  | 463  | 463  | -29.0                       | 0.0                         |
| Foreign-born | 2232 | 2132 | 2111 | 2031 | 1873 | 1827 | 1806 | 1722 | 1698 | 1670 | -25.2                       | -1.6                        |
| Unknown      | 16   | 13   | 20   | 5    | 14   | 4    | 4    | 1    | 5    | 14   | -12.5                       | 180.0                       |

. Indicates zero cases or percent change not calculated where number of cases is less than 5  
 California Department of Public Health, Tuberculosis Control Branch

**Table 3. Tuberculosis Case Rates per 100,000 Population by Race/Ethnicity, Age Group, Sex, and Birthplace: California, 2005-2014**

|             | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Percent Change<br>2005-2014 | Percent Change<br>2013-2014 |
|-------------|------|------|------|------|------|------|------|------|------|------|-----------------------------|-----------------------------|
| Total Cases | 8.1  | 7.7  | 7.5  | 7.3  | 6.7  | 6.2  | 6.2  | 5.8  | 5.7  | 5.6  | -30.9                       | -1.8                        |

| Race/Ethnicity                | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Percent Change<br>2005-2014 | Percent Change<br>2013-2014 |
|-------------------------------|------|------|------|------|------|------|------|------|------|------|-----------------------------|-----------------------------|
| White, Not Hispanic           | 1.7  | 1.7  | 1.5  | 1.7  | 1.4  | 1.2  | 1.3  | 1.2  | 1.2  | 1.1  | -35.3                       | -8.3                        |
| Black, Not Hispanic           | 9.5  | 8.8  | 9.2  | 8.8  | 8.0  | 6.5  | 5.8  | 5.7  | 5.7  | 4.9  | -48.4                       | -14.0                       |
| Hispanic                      | 8.9  | 8.2  | 7.5  | 7.9  | 6.6  | 6.2  | 6.0  | 5.6  | 5.3  | 5.2  | -41.6                       | -1.9                        |
| Asian/Pacific Islander        | 26.4 | 25.0 | 25.2 | 22.8 | 21.8 | 20.7 | 20.8 | 18.9 | 19.0 | 19.0 | -28.0                       | 0.0                         |
| American Indian/Alaska Native | 1.2  | 2.1  | 1.4  | 2.0  | 1.1  | .    | 1.0  | 1.8  | .    | .    | .                           | .                           |

| Age Group | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Percent Change<br>2005-2014 | Percent Change<br>2013-2014 |
|-----------|------|------|------|------|------|------|------|------|------|------|-----------------------------|-----------------------------|
| 0-4       | 3.3  | 3.5  | 3.4  | 3.5  | 2.7  | 2.2  | 3.3  | 1.9  | 2.3  | 2.2  | -33.3                       | -4.3                        |
| 5-14      | 1.2  | 0.8  | 0.9  | 1.3  | 1.1  | 0.9  | 0.9  | 0.8  | 0.6  | 0.7  | -41.7                       | 16.7                        |
| 15-24     | 5.3  | 5.9  | 5.3  | 5.0  | 4.3  | 3.9  | 3.2  | 3.9  | 3.3  | 3.4  | -35.8                       | 3.0                         |
| 25-44     | 8.6  | 8.1  | 7.4  | 7.7  | 7.0  | 6.5  | 5.9  | 5.6  | 5.2  | 5.0  | -41.9                       | -3.8                        |
| 45-64     | 10.3 | 9.3  | 9.9  | 9.3  | 8.0  | 7.9  | 8.2  | 7.3  | 6.9  | 6.8  | -34.0                       | -1.4                        |
| 65+       | 18.5 | 17.4 | 16.5 | 15.5 | 15.0 | 13.8 | 14.0 | 12.8 | 14.0 | 13.6 | -26.5                       | -2.9                        |

| Sex    | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Percent Change<br>2005-2014 | Percent Change<br>2013-2014 |
|--------|------|------|------|------|------|------|------|------|------|------|-----------------------------|-----------------------------|
| Male   | 9.8  | 9.2  | 9.1  | 9.0  | 8.1  | 7.4  | 7.4  | 6.9  | 7.0  | 6.8  | -30.6                       | -2.9                        |
| Female | 6.4  | 6.1  | 5.8  | 5.6  | 5.2  | 5.1  | 5.0  | 4.7  | 4.4  | 4.4  | -31.3                       | 0.0                         |

| Birthplace   | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Percent Change<br>2005-2014 | Percent Change<br>2013-2014 |
|--------------|------|------|------|------|------|------|------|------|------|------|-----------------------------|-----------------------------|
| U.S.-born    | 2.5  | 2.4  | 2.2  | 2.5  | 2.1  | 1.8  | 1.9  | 1.7  | 1.7  | 1.6  | -36.0                       | -5.9                        |
| Foreign-born | 22.8 | 21.7 | 21.1 | 20.5 | 18.8 | 18.0 | 17.8 | 16.7 | 16.5 | 16.1 | -29.4                       | -2.4                        |

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

Note: Denominators for computing rates are from the California Department of Finance, E-2 California County Population Estimates and Components of Change, P-3 State and County Population Projections by Race/Ethnicity, Sex, and Age 2010-2060, and the U.S. Census Bureau, American Community Survey.

California Department of Public Health, Tuberculosis Control Branch

**Table 4. Tuberculosis Cases by Race/Ethnicity and Age Group: California, 2005-2014**

|                               | Age Group | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Percent Change 2005-2014 | Percent Change 2013-2014 |
|-------------------------------|-----------|------|------|------|------|------|------|------|------|------|------|--------------------------|--------------------------|
| Total Cases                   |           | 2900 | 2776 | 2725 | 2699 | 2467 | 2325 | 2323 | 2188 | 2166 | 2147 | -26.0                    | -0.9                     |
| White, Not Hispanic           |           | 268  | 267  | 237  | 260  | 217  | 185  | 193  | 180  | 178  | 165  | -38.4                    | -7.3                     |
|                               | 0-4       | 6    | 1    | 5    | 5    | 4    | 4    | 1    | 2    | 4    | 3    | .                        | .                        |
|                               | 5-14      | 3    | 1    | 4    | 2    | 3    | 3    | .    | 3    | .    | 1    | .                        | .                        |
|                               | 15-24     | 10   | 21   | 4    | 16   | 15   | 11   | 10   | 8    | 4    | 5    | -50.0                    | .                        |
|                               | 25-44     | 65   | 53   | 47   | 48   | 50   | 42   | 37   | 37   | 31   | 25   | -61.5                    | -19.4                    |
|                               | 45-64     | 100  | 85   | 84   | 115  | 73   | 63   | 70   | 71   | 76   | 57   | -43.0                    | -25.0                    |
|                               | 65+       | 84   | 106  | 93   | 74   | 72   | 62   | 75   | 59   | 63   | 74   | -11.9                    | 17.5                     |
| Black, Not Hispanic           |           | 225  | 208  | 218  | 210  | 190  | 153  | 138  | 137  | 136  | 118  | -47.6                    | -13.2                    |
|                               | 0-4       | 4    | 5    | 7    | 5    | 7    | 4    | 4    | 1    | .    | .    | .                        | .                        |
|                               | 5-14      | 5    | .    | 2    | 7    | 7    | 3    | 4    | 5    | 1    | 1    | .                        | .                        |
|                               | 15-24     | 19   | 22   | 28   | 17   | 18   | 12   | 11   | 12   | 8    | 13   | -31.6                    | 62.5                     |
|                               | 25-44     | 77   | 74   | 66   | 82   | 57   | 51   | 45   | 43   | 43   | 36   | -53.2                    | -16.3                    |
|                               | 45-64     | 86   | 74   | 85   | 76   | 66   | 60   | 56   | 55   | 57   | 47   | -45.3                    | -17.5                    |
|                               | 65+       | 34   | 33   | 30   | 23   | 35   | 23   | 18   | 21   | 27   | 21   | -38.2                    | -22.2                    |
| Hispanic                      |           | 1127 | 1066 | 995  | 1059 | 913  | 872  | 851  | 817  | 784  | 776  | -31.1                    | -1.0                     |
|                               | 0-4       | 61   | 66   | 62   | 57   | 46   | 36   | 58   | 32   | 36   | 34   | -44.3                    | -5.6                     |
|                               | 5-14      | 42   | 35   | 26   | 43   | 36   | 25   | 25   | 26   | 23   | 25   | -40.5                    | 8.7                      |
|                               | 15-24     | 166  | 167  | 157  | 162  | 126  | 100  | 87   | 104  | 97   | 92   | -44.6                    | -5.2                     |
|                               | 25-44     | 411  | 376  | 338  | 370  | 310  | 310  | 258  | 258  | 254  | 234  | -43.1                    | -7.9                     |
|                               | 45-64     | 265  | 258  | 253  | 269  | 239  | 235  | 261  | 232  | 198  | 208  | -21.5                    | 5.1                      |
|                               | 65+       | 182  | 164  | 159  | 158  | 156  | 166  | 162  | 165  | 176  | 183  | 0.5                      | 4.0                      |
| Asian/Pacific Islander        |           | 1271 | 1222 | 1260 | 1160 | 1135 | 1114 | 1136 | 1045 | 1064 | 1081 | -14.9                    | 1.6                      |
|                               | 0-4       | 14   | 19   | 15   | 23   | 13   | 11   | 19   | 13   | 18   | 19   | 35.7                     | 5.6                      |
|                               | 5-14      | 16   | 9    | 13   | 14   | 9    | 15   | 17   | 6    | 8    | 8    | -50.0                    | 0.0                      |
|                               | 15-24     | 86   | 110  | 103  | 84   | 78   | 93   | 72   | 91   | 75   | 77   | -10.5                    | 2.7                      |
|                               | 25-44     | 360  | 345  | 329  | 309  | 315  | 277  | 284  | 255  | 224  | 232  | -35.6                    | 3.6                      |
|                               | 45-64     | 391  | 371  | 435  | 364  | 358  | 379  | 383  | 338  | 333  | 347  | -11.3                    | 4.2                      |
|                               | 65+       | 404  | 368  | 365  | 366  | 362  | 339  | 361  | 342  | 406  | 398  | -1.5                     | -2.0                     |
| American Indian/Alaska Native |           | 5    | 9    | 6    | 9    | 5    | 1    | 5    | 9    | 4    | 4    | .                        | .                        |
|                               | 0-4       | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                        | .                        |
|                               | 5-14      | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                        | .                        |
|                               | 15-24     | .    | 1    | 1    | .    | .    | .    | .    | .    | 1    | .    | .                        | .                        |
|                               | 25-44     | 2    | 5    | 2    | 4    | .    | .    | 1    | 3    | .    | 3    | .                        | .                        |
|                               | 45-64     | 2    | 1    | 1    | 4    | 3    | .    | 3    | 5    | 1    | 1    | .                        | .                        |
|                               | 65+       | 1    | 2    | 2    | 1    | 2    | 1    | 1    | 1    | 2    | .    | .                        | .                        |

**Table 4. Tuberculosis Cases by Race/Ethnicity and Age Group: California, 2005-2014**

|         | Age Group | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Percent Change 2005-2014 | Percent Change 2013-2014 |
|---------|-----------|------|------|------|------|------|------|------|------|------|------|--------------------------|--------------------------|
| Unknown |           | 4    | 4    | 9    | 1    | 7    | .    | .    | .    | .    | 3    | .                        | .                        |
|         | 0-4       | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                        | .                        |
|         | 5-14      | .    | .    | 1    | .    | .    | .    | .    | .    | .    | .    | .                        | .                        |
|         | 15-24     | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                        | .                        |
|         | 25-44     | 1    | 2    | 5    | .    | 4    | .    | .    | .    | .    | .    | .                        | .                        |
|         | 45-64     | 2    | 1    | 3    | 1    | 1    | .    | .    | .    | .    | 1    | .                        | .                        |
|         | 65+       | 1    | 1    | .    | .    | 2    | .    | .    | .    | .    | 2    | .                        | .                        |

. Indicates zero cases or percent change not calculated where number of cases is less than 5  
 California Department of Public Health, Tuberculosis Control Branch



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

Note: Denominators for computing rates are from the California Department of Finance, E-2 California County Population Estimates and Components of Change, and P-3 State and County Population Projections by Race/Ethnicity, Sex, and Age 2010-2060.

California Department of Public Health, Tuberculosis Control Branch

**Table 6. Tuberculosis Cases by Race/Ethnicity, Sex, and Age Group: California, 2014**

|                               | All Ages | Age Group |      |       |       |       |     |
|-------------------------------|----------|-----------|------|-------|-------|-------|-----|
|                               |          | 0-4       | 5-14 | 15-24 | 25-44 | 45-64 | 65+ |
| Total Cases                   | 2147     | 56        | 35   | 187   | 530   | 661   | 678 |
| White, Not Hispanic           | 165      | 3         | 1    | 5     | 25    | 57    | 74  |
|                               | Male     | 92        | .    | 1     | 4     | 9     | 42  |
|                               | Female   | 73        | 3    | .     | 1     | 16    | 32  |
| Black, Not Hispanic           | 118      | .         | 1    | 13    | 36    | 47    | 21  |
|                               | Male     | 77        | .    | .     | 6     | 33    | 14  |
|                               | Female   | 41        | .    | 1     | 7     | 14    | 7   |
| Hispanic                      | 776      | 34        | 25   | 92    | 234   | 208   | 183 |
|                               | Male     | 497       | 13   | 10    | 65    | 150   | 97  |
|                               | Female   | 279       | 21   | 15    | 27    | 58    | 86  |
| Asian/Pacific Islander        | 1081     | 19        | 8    | 77    | 232   | 347   | 398 |
|                               | Male     | 630       | 12   | 4     | 31    | 212   | 275 |
|                               | Female   | 451       | 7    | 4     | 46    | 135   | 123 |
| American Indian/Alaska Native | 4        | .         | .    | .     | 3     | 1     | .   |
|                               | Male     | 1         | .    | .     | .     | 1     | .   |
|                               | Female   | 3         | .    | .     | .     | 3     | .   |
| Unknown                       | 3        | .         | .    | .     | .     | 1     | 2   |
|                               | Male     | 2         | .    | .     | .     | 1     | 1   |
|                               | Female   | 1         | .    | .     | .     | .     | 1   |

. Indicates zero cases

California Department of Public Health, Tuberculosis Control Branch

**Table 7. Tuberculosis Case Rates per 100,000 Population by Race/Ethnicity, Sex, and Age Group: California, 2014**

|                               |        | All Ages | Age Group |      |       |       |       |      |
|-------------------------------|--------|----------|-----------|------|-------|-------|-------|------|
|                               |        |          | 0-4       | 5-14 | 15-24 | 25-44 | 45-64 | 65+  |
| Total Cases                   |        | 5.6      | 2.2       | 0.7  | 3.4   | 5.0   | 6.8   | 13.6 |
| White, Not Hispanic           |        | 1.1      | .         | .    | 0.3   | 0.7   | 1.2   | 2.5  |
|                               | Male   | 1.2      | .         | .    | .     | 0.5   | 1.6   | 3.1  |
|                               | Female | 1.0      | .         | .    | .     | 0.9   | 0.9   | 2.0  |
| Black, Not Hispanic           |        | 4.9      | .         | .    | 3.3   | 5.5   | 7.4   | 7.8  |
|                               | Male   | 6.4      | .         | .    | 3.0   | 7.3   | 10.6  | 12.2 |
|                               | Female | 3.4      | .         | .    | 3.7   | 3.7   | 4.3   | 4.5  |
| Hispanic                      |        | 5.2      | 2.7       | 0.9  | 3.5   | 5.2   | 7.2   | 19.4 |
|                               | Male   | 6.6      | 2.0       | 0.7  | 4.7   | 6.9   | 10.4  | 23.8 |
|                               | Female | 3.8      | 3.4       | 1.2  | 2.1   | 3.3   | 4.0   | 16.1 |
| Asian/Pacific Islander        |        | 19.0     | 5.4       | 1.2  | 10.3  | 13.7  | 23.0  | 53.4 |
|                               | Male   | 23.2     | 6.7       | .    | 8.1   | 12.0  | 30.8  | 86.0 |
|                               | Female | 15.1     | 4.0       | .    | 12.7  | 15.3  | 16.5  | 28.9 |
| American Indian/Alaska Native |        | .        | .         | .    | .     | .     | .     | .    |
|                               | Male   | .        | .         | .    | .     | .     | .     | .    |
|                               | Female | .        | .         | .    | .     | .     | .     | .    |

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

Note: Denominators for computing rates are from the California Department of Finance, E-2 California County Population Estimates and Components of Change, and P-3 State and County Population Projections by Race/Ethnicity, Sex, and Age 2010-2060.  
California Department of Public Health, Tuberculosis Control Branch

**Table 8. Tuberculosis Cases in U.S.-born Persons by Race/Ethnicity, Sex, and Age Group: California, 2014**

|                               |        | All Ages | Age Group |      |       |       |       |     |
|-------------------------------|--------|----------|-----------|------|-------|-------|-------|-----|
|                               |        |          | 0-4       | 5-14 | 15-24 | 25-44 | 45-64 | 65+ |
| Total Cases                   |        | 463      | 52        | 28   | 83    | 98    | 114   | 88  |
| White, Not Hispanic           |        | 110      | 3         | 1    | 2     | 14    | 45    | 45  |
|                               | Male   | 67       | .         | 1    | 2     | 3     | 30    | 31  |
|                               | Female | 43       | 3         | .    | .     | 11    | 15    | 14  |
| Black, Not Hispanic           |        | 70       | .         | .    | 3     | 12    | 38    | 17  |
|                               | Male   | 48       | .         | .    | 1     | 9     | 27    | 11  |
|                               | Female | 22       | .         | .    | 2     | 3     | 11    | 6   |
| Hispanic                      |        | 210      | 32        | 23   | 54    | 53    | 24    | 24  |
|                               | Male   | 123      | 13        | 10   | 38    | 33    | 15    | 14  |
|                               | Female | 87       | 19        | 13   | 16    | 20    | 9     | 10  |
| Asian/Pacific Islander        |        | 69       | 17        | 4    | 24    | 16    | 6     | 2   |
|                               | Male   | 28       | 10        | 1    | 6     | 6     | 4     | 1   |
|                               | Female | 41       | 7         | 3    | 18    | 10    | 2     | 1   |
| American Indian/Alaska Native |        | 4        | .         | .    | .     | 3     | 1     | .   |
|                               | Male   | 1        | .         | .    | .     | .     | 1     | .   |
|                               | Female | 3        | .         | .    | .     | 3     | .     | .   |

. Indicates zero cases

California Department of Public Health, Tuberculosis Control Branch

**Table 9. Tuberculosis Cases in Foreign-born Persons by Race/Ethnicity, Sex, and Age Group: California, 2014**

|                        |        | All Ages | Age Group |      |       |       |       |     |
|------------------------|--------|----------|-----------|------|-------|-------|-------|-----|
|                        |        |          | 0-4       | 5-14 | 15-24 | 25-44 | 45-64 | 65+ |
| Total Cases            |        | 1670     | 4         | 7    | 103   | 425   | 544   | 587 |
| White, Not Hispanic    |        | 55       | .         | .    | 3     | 11    | 12    | 29  |
|                        | Male   | 25       | .         | .    | 2     | 6     | 6     | 11  |
|                        | Female | 30       | .         | .    | 1     | 5     | 6     | 18  |
| Black, Not Hispanic    |        | 47       | .         | 1    | 10    | 23    | 9     | 4   |
|                        | Male   | 29       | .         | .    | 5     | 15    | 6     | 3   |
|                        | Female | 18       | .         | 1    | 5     | 8     | 3     | 1   |
| Hispanic               |        | 559      | 2         | 2    | 37    | 178   | 182   | 158 |
|                        | Male   | 368      | .         | .    | 27    | 126   | 133   | 82  |
|                        | Female | 191      | 2         | 2    | 10    | 52    | 49    | 76  |
| Asian/Pacific Islander |        | 1008     | 2         | 4    | 53    | 213   | 341   | 395 |
|                        | Male   | 599      | 2         | 3    | 25    | 87    | 208   | 274 |
|                        | Female | 409      | .         | 1    | 28    | 126   | 133   | 121 |
| Unknown                |        | 1        | .         | .    | .     | .     | .     | 1   |
|                        | Male   | 1        | .         | .    | .     | .     | .     | 1   |
|                        | Female | .        | .         | .    | .     | .     | .     | .   |

. Indicates zero cases

California Department of Public Health, Tuberculosis Control Branch

**Table 10. Tuberculosis Cases in Foreign-born Persons by Country of Origin and Time in the United States: California, 2014**

| Country of Origin* | Total Foreign-born Cases | 1 year |      | 1-2 years |     | 3-5 years |      | 6-10 years |      | 11-20 years |      | >20 years |      | Unknown |      |
|--------------------|--------------------------|--------|------|-----------|-----|-----------|------|------------|------|-------------|------|-----------|------|---------|------|
|                    |                          | No.    | %    | No.       | %   | No.       | %    | No.        | %    | No.         | %    | No.       | %    | No.     | %    |
| Total              | 1670                     | 167    | 10.0 | 45        | 2.7 | 116       | 6.9  | 185        | 11.1 | 351         | 21.0 | 720       | 43.1 | 86      | 5.2  |
| Mexico             | 450                      | 24     | 5.3  | 6         | 1.3 | 23        | 5.1  | 54         | 12.0 | 77          | 17.1 | 234       | 52.0 | 32      | 7.1  |
| Philippines        | 355                      | 37     | 10.4 | 11        | 3.1 | 26        | 7.3  | 46         | 13.0 | 84          | 23.7 | 136       | 38.3 | 15      | 4.2  |
| Vietnam            | 205                      | 22     | 10.7 | 5         | 2.4 | 17        | 8.3  | 15         | 7.3  | 34          | 16.6 | 102       | 49.8 | 10      | 4.9  |
| China‡             | 160                      | 13     | 8.1  | 3         | 1.9 | 11        | 6.9  | 21         | 13.1 | 42          | 26.3 | 66        | 41.3 | 4       | 2.5  |
| India              | 96                       | 18     | 18.8 | 7         | 7.3 | 9         | 9.4  | 14         | 14.6 | 20          | 20.8 | 24        | 25.0 | 4       | 4.2  |
| Guatemala          | 36                       | 3      | 8.3  | 2         | 5.6 | 4         | 11.1 | 7          | 19.4 | 9           | 25.0 | 10        | 27.8 | 1       | 2.8  |
| Laos               | 33                       | .      | .    | .         | .   | .         | .    | 2          | 6.1  | 6           | 18.2 | 24        | 72.7 | 1       | 3.0  |
| Cambodia           | 31                       | 2      | 6.5  | .         | .   | .         | .    | 1          | 3.2  | 2           | 6.5  | 21        | 67.7 | 5       | 16.1 |
| Korea, South       | 24                       | 2      | 8.3  | 1         | 4.2 | 1         | 4.2  | 4          | 16.7 | 8           | 33.3 | 8         | 33.3 | .       | .    |
| El Salvador        | 22                       | 1      | 4.5  | .         | .   | .         | .    | 3          | 13.6 | 5           | 22.7 | 12        | 54.5 | 1       | 4.5  |
| Korea, North       | 20                       | .      | .    | .         | .   | .         | .    | 2          | 10.0 | 6           | 30.0 | 10        | 50.0 | 2       | 10.0 |
| Burma              | 19                       | 4      | 21.1 | 1         | 5.3 | 5         | 26.3 | 1          | 5.3  | 4           | 21.1 | 4         | 21.1 | .       | .    |
| Thailand           | 18                       | .      | .    | 1         | 5.6 | 2         | 11.1 | 1          | 5.6  | 1           | 5.6  | 12        | 66.7 | 1       | 5.6  |
| Honduras           | 17                       | 3      | 17.6 | 1         | 5.9 | 1         | 5.9  | 3          | 17.6 | 8           | 47.1 | 1         | 5.9  | .       | .    |
| Taiwan             | 14                       | .      | .    | .         | .   | .         | .    | .          | .    | 3           | 21.4 | 9         | 64.3 | 2       | 14.3 |
| Pakistan           | 13                       | 1      | 7.7  | 1         | 7.7 | 2         | 15.4 | 2          | 15.4 | 2           | 15.4 | 4         | 30.8 | 1       | 7.7  |
| Ethiopia           | 12                       | 1      | 8.3  | .         | .   | 2         | 16.7 | 2          | 16.7 | 7           | 58.3 | .         | .    | .       | .    |
| Afghanistan        | 8                        | 1      | 12.5 | .         | .   | .         | .    | .          | .    | 2           | 25.0 | 5         | 62.5 | .       | .    |
| Iran               | 8                        | 1      | 12.5 | .         | .   | .         | .    | .          | .    | 5           | 62.5 | 2         | 25.0 | .       | .    |
| Nicaragua          | 8                        | .      | .    | .         | .   | .         | .    | .          | .    | 1           | 12.5 | 6         | 75.0 | 1       | 12.5 |
| Japan              | 6                        | .      | .    | .         | .   | 1         | 16.7 | .          | .    | .           | .    | 4         | 66.7 | 1       | 16.7 |
| Somalia            | 6                        | 5      | 83.3 | .         | .   | .         | .    | .          | .    | .           | .    | 1         | 16.7 | .       | .    |
| Armenia            | 5                        | .      | .    | .         | .   | .         | .    | .          | .    | 4           | 80.0 | 1         | 20.0 | .       | .    |
| Indonesia          | 5                        | 1      | 20.0 | .         | .   | 1         | 20.0 | .          | .    | 2           | 40.0 | 1         | 20.0 | .       | .    |
| Other Countries    | 99                       | 28     | 28.3 | 6         | 6.1 | 11        | 11.1 | 7          | 7.1  | 19          | 19.2 | 23        | 23.2 | 5       | 5.1  |

. Indicates zero cases or zero percent

\* Countries listed in order of number of cases

‡People's Republic of China includes Hong Kong

California Department of Public Health, Tuberculosis Control Branch

**Table 11. AIDS-associated Tuberculosis\* by Demographic Characteristics and Risk Factors for Tuberculosis: California, 2008-2013**

|                               | 2008        |                |      | 2009        |                |      | 2010        |                |      | 2011        |                |      | 2012        |                |      | 2013        |                |      |
|-------------------------------|-------------|----------------|------|-------------|----------------|------|-------------|----------------|------|-------------|----------------|------|-------------|----------------|------|-------------|----------------|------|
|                               | Total Cases | AIDS Diagnoses |      | Total Cases | AIDS Diagnoses |      | Total Cases | AIDS Diagnoses |      | Total Cases | AIDS Diagnoses |      | Total Cases | AIDS Diagnoses |      | Total Cases | AIDS Diagnoses |      |
|                               |             | No.            | %    |
| Total                         | 2699        | 136            | 5.0  | 2467        | 110            | 4.5  | 2325        | 101            | 4.3  | 2323        | 97             | 4.2  | 2188        | 83             | 3.8  | 2166        | 75             | 3.5  |
| Race/Ethnicity                |             |                |      |             |                |      |             |                |      |             |                |      |             |                |      |             |                |      |
| White, Not Hispanic           | 260         | 17             | 6.5  | 217         | 16             | 7.4  | 185         | 9              | 4.9  | 193         | 9              | 4.7  | 180         | 7              | 3.9  | 178         | 13             | 7.3  |
| Black, Not Hispanic           | 210         | 28             | 13.3 | 190         | 15             | 7.9  | 153         | 20             | 13.1 | 138         | 21             | 15.2 | 137         | 15             | 10.9 | 136         | 22             | 16.2 |
| Hispanic                      | 1059        | 79             | 7.5  | 913         | 62             | 6.8  | 872         | 61             | 7.0  | 851         | 58             | 6.8  | 817         | 48             | 5.9  | 784         | 29             | 3.7  |
| Asian/Pacific Islander        | 1160        | 11             | 0.9  | 1135        | 16             | 1.4  | 1114        | 11             | 1.0  | 1136        | 9              | 0.8  | 1045        | 13             | 1.2  | 1064        | 11             | 1.0  |
| American Indian/Alaska Native | 9           | 1              | 11.1 | 5           | .              | .    | 1           | .              | .    | 5           | .              | .    | 9           | .              | .    | 4           | .              | .    |
| Unknown                       | 1           | .              | .    | 7           | 1              | 14.3 | .           | .              | .    | .           | .              | .    | .           | .              | .    | .           | .              | .    |
| Age Group                     |             |                |      |             |                |      |             |                |      |             |                |      |             |                |      |             |                |      |
| 0-4                           | 90          | .              | .    | 70          | .              | .    | 55          | .              | .    | 82          | .              | .    | 48          | .              | .    | 58          | .              | .    |
| 5-14                          | 66          | .              | .    | 55          | .              | .    | 46          | .              | .    | 46          | 1              | 2.2  | 40          | .              | .    | 32          | .              | .    |
| 15-24                         | 279         | 6              | 2.2  | 237         | 2              | 0.8  | 216         | 1              | 0.5  | 180         | 2              | 1.1  | 215         | 2              | 0.9  | 185         | 6              | 3.2  |
| 25-44                         | 813         | 87             | 10.7 | 736         | 69             | 9.4  | 680         | 62             | 9.1  | 625         | 48             | 7.7  | 596         | 44             | 7.4  | 552         | 35             | 6.3  |
| 45-64                         | 829         | 42             | 5.1  | 740         | 35             | 4.7  | 737         | 35             | 4.7  | 773         | 44             | 5.7  | 701         | 34             | 4.9  | 665         | 28             | 4.2  |
| 65+                           | 622         | 1              | 0.2  | 629         | 4              | 0.6  | 591         | 3              | 0.5  | 617         | 2              | 0.3  | 588         | 3              | 0.5  | 674         | 6              | 0.9  |
| Sex                           |             |                |      |             |                |      |             |                |      |             |                |      |             |                |      |             |                |      |
| Male                          | 1657        | 114            | 6.9  | 1499        | 93             | 6.2  | 1376        | 82             | 6.0  | 1381        | 81             | 5.9  | 1295        | 71             | 5.5  | 1323        | 54             | 4.1  |
| Female                        | 1042        | 22             | 2.1  | 967         | 17             | 1.8  | 949         | 19             | 2.0  | 942         | 16             | 1.7  | 893         | 12             | 1.3  | 843         | 21             | 2.5  |
| Unknown                       | .           | .              | .    | 1           | .              | .    | .           | .              | .    | .           | .              | .    | .           | .              | .    | .           | .              | .    |
| Place of Birth                |             |                |      |             |                |      |             |                |      |             |                |      |             |                |      |             |                |      |
| U.S.-born                     | 663         | 55             | 8.3  | 580         | 38             | 6.6  | 494         | 37             | 7.5  | 513         | 29             | 5.7  | 465         | 29             | 6.2  | 463         | 33             | 7.1  |
| Foreign-born                  | 2031        | 81             | 4.0  | 1873        | 71             | 3.8  | 1827        | 63             | 3.4  | 1806        | 68             | 3.8  | 1722        | 54             | 3.1  | 1698        | 42             | 2.5  |
| Unknown                       | 5           | .              | .    | 14          | 1              | 7.1  | 4           | 1              | 25.0 | 4           | .              | .    | 1           | .              | .    | 5           | .              | .    |
| Homeless                      |             |                |      |             |                |      |             |                |      |             |                |      |             |                |      |             |                |      |
| No                            | 2523        | 116            | 4.6  | 2347        | 91             | 3.9  | 2209        | 90             | 4.1  | 2175        | 79             | 3.6  | 2049        | 60             | 2.9  | 2030        | 58             | 2.9  |
| Yes                           | 164         | 20             | 12.2 | 101         | 18             | 17.8 | 102         | 10             | 9.8  | 125         | 17             | 13.6 | 129         | 22             | 17.1 | 129         | 17             | 13.2 |
| Unknown                       | 12          | .              | .    | 19          | 1              | 5.3  | 14          | 1              | 7.1  | 23          | 1              | 4.3  | 10          | 1              | 10.0 | 7           | .              | .    |
| Alcohol Use                   |             |                |      |             |                |      |             |                |      |             |                |      |             |                |      |             |                |      |
| No                            | 2390        | 99             | 4.1  | 2218        | 91             | 4.1  | 2106        | 81             | 3.8  | 2078        | 77             | 3.7  | 1960        | 62             | 3.2  | 1974        | 66             | 3.3  |
| Yes                           | 257         | 34             | 13.2 | 195         | 14             | 7.2  | 173         | 15             | 8.7  | 211         | 17             | 8.1  | 199         | 18             | 9.0  | 173         | 7              | 4.0  |
| Unknown                       | 52          | 3              | 5.8  | 54          | 5              | 9.3  | 46          | 5              | 10.9 | 34          | 3              | 8.8  | 29          | 3              | 10.3 | 19          | 2              | 10.5 |

**Table 11. AIDS-associated Tuberculosis\* by Demographic Characteristics and Risk Factors for Tuberculosis: California, 2008-2013**

|                                    | 2008        |                |      | 2009        |                |      | 2010        |                |      | 2011        |                |      | 2012        |                |      | 2013        |                |      |
|------------------------------------|-------------|----------------|------|-------------|----------------|------|-------------|----------------|------|-------------|----------------|------|-------------|----------------|------|-------------|----------------|------|
|                                    | Total Cases | AIDS Diagnoses |      | Total Cases | AIDS Diagnoses |      | Total Cases | AIDS Diagnoses |      | Total Cases | AIDS Diagnoses |      | Total Cases | AIDS Diagnoses |      | Total Cases | AIDS Diagnoses |      |
|                                    |             | No.            | %    |
| Injecting Drug Use                 |             |                |      |             |                |      |             |                |      |             |                |      |             |                |      |             |                |      |
| No                                 | 2605        | 117            | 4.5  | 2379        | 98             | 4.1  | 2264        | 98             | 4.3  | 2261        | 91             | 4.0  | 2122        | 76             | 3.6  | 2116        | 67             | 3.2  |
| Yes                                | 37          | 13             | 35.1 | 26          | 5              | 19.2 | 26          | 1              | 3.8  | 22          | 3              | 13.6 | 40          | 4              | 10.0 | 31          | 6              | 19.4 |
| Unknown                            | 57          | 6              | 10.5 | 62          | 7              | 11.3 | 35          | 2              | 5.7  | 40          | 3              | 7.5  | 26          | 3              | 11.5 | 19          | 2              | 10.5 |
| Non-injecting Drug Use             |             |                |      |             |                |      |             |                |      |             |                |      |             |                |      |             |                |      |
| No                                 | 2458        | 96             | 3.9  | 2267        | 84             | 3.7  | 2147        | 78             | 3.6  | 2166        | 77             | 3.6  | 2038        | 63             | 3.1  | 2000        | 55             | 2.8  |
| Yes                                | 177         | 35             | 19.8 | 139         | 19             | 13.7 | 138         | 21             | 15.2 | 119         | 18             | 15.1 | 120         | 17             | 14.2 | 145         | 18             | 12.4 |
| Unknown                            | 64          | 5              | 7.8  | 61          | 7              | 11.5 | 40          | 2              | 5.0  | 38          | 2              | 5.3  | 30          | 3              | 10.0 | 21          | 2              | 9.5  |
| Diagnosed in Correctional Facility |             |                |      |             |                |      |             |                |      |             |                |      |             |                |      |             |                |      |
| No                                 | 2615        | 131            | 5.0  | 2394        | 108            | 4.5  | 2243        | 92             | 4.1  | 2229        | 89             | 4.0  | 2123        | 80             | 3.8  | 2091        | 71             | 3.4  |
| Yes                                | 83          | 5              | 6.0  | 69          | 2              | 2.9  | 79          | 9              | 11.4 | 75          | 8              | 10.7 | 59          | 2              | 3.4  | 73          | 4              | 5.5  |
| Unknown                            | 1           | .              | .    | 4           | .              | .    | 3           | .              | .    | 19          | .              | .    | 6           | 1              | 16.7 | 2           | .              | .    |

. Indicates zero cases or zero percent

\* Match found in HIV/AIDS Case Registry, California Office of AIDS  
California Department of Public Health, Tuberculosis Control Branch

**Table 12. Tuberculosis Cases, Rates per 100,000 Population, and Rank\* According to Rate:  
Reporting Jurisdictions in California, 2013-2014**

| Reporting Jurisdiction     | 2013 Rank | 2013 Cases | 2013 Rate | 2014 Rank | 2014 Cases | 2014 Rate |
|----------------------------|-----------|------------|-----------|-----------|------------|-----------|
| Imperial                   | 1         | 38         | 21.2      | 1         | 37         | 20.4      |
| San Francisco              | 2         | 107        | 12.9      | 2         | 114        | 13.6      |
| San Mateo                  | 6         | 58         | 7.8       | 3         | 74         | 9.9       |
| Santa Clara                | 3         | 181        | 9.8       | 4         | 163        | 8.7       |
| San Joaquin                | 10        | 43         | 6.1       | 5         | 54         | 7.6       |
| Alameda                    | 5         | 114        | 7.9       | 6         | 108        | 7.4       |
| San Diego                  | 9         | 206        | 6.5       | 7         | 220        | 6.8       |
| Santa Barbara              | 11        | 26         | 6.0       | 8         | 29         | 6.6       |
| Long Beach                 | 4         | 38         | 8.1       | 9         | 30         | 6.4       |
| Los Angeles                | 7         | 662        | 7.0       | 10        | 587        | 6.2       |
| Orange                     | 11        | 187        | 6.0       | 11        | 187        | 6.0       |
| Ventura                    | 24        | 28         | 3.3       | 11        | 51         | 6.0       |
| Solano                     | 27        | 12         | 2.8       | 13        | 24         | 5.6       |
| California                 | .         | .          | .         | .         | .          | 5.6       |
| Fresno                     | 18        | 38         | 4.0       | 14        | 51         | 5.3       |
| Madera                     | 21        | 6          | 3.9       | 15        | 8          | 5.2       |
| Sacramento                 | 13        | 84         | 5.8       | 16        | 71         | 4.9       |
| Kern                       | 25        | 28         | 3.2       | 17        | 40         | 4.6       |
| Contra Costa               | 14        | 57         | 5.3       | 18        | 48         | 4.4       |
| Berkeley                   | 17        | 5          | 4.3       | 19        | 5          | 4.2       |
| Monterey                   | 18        | 17         | 4.0       | 20        | 17         | 4.0       |
| Yolo                       | 26        | 6          | 2.9       | 21        | 8          | 3.9       |
| Tulare                     | 23        | 16         | 3.5       | 22        | 17         | 3.7       |
| Marin                      | 15        | 13         | 5.1       | 23        | 9          | 3.5       |
| Pasadena                   | 22        | 5          | 3.6       | 23        | 5          | 3.5       |
| United States              | .         | .          | .         | .         | .          | 3.0       |
| Riverside                  | 29        | 54         | 2.4       | 25        | 65         | 2.8       |
| Butte                      | 34        | 4          | .         | 26        | 6          | 2.7       |
| El Dorado                  | 34        | 1          | .         | 26        | 5          | 2.7       |
| Sonoma                     | 32        | 8          | 1.6       | 28        | 13         | 2.6       |
| Stanislaus                 | 30        | 10         | 1.9       | 29        | 13         | 2.5       |
| San Bernardino             | 27        | 58         | 2.8       | 30        | 51         | 2.4       |
| Merced                     | 16        | 12         | 4.6       | 31        | 6          | 2.3       |
| Santa Cruz                 | 31        | 5          | 1.8       | 32        | 5          | 1.8       |
| Healthy People 2020 Target | .         | .          | .         | .         | .          | 1.0       |
| Placer                     | 32        | 6          | 1.6       | 33        | 4          | .         |
| Kings                      | 18        | 6          | 4.0       | 33        | 3          | .         |
| Napa                       | 34        | 3          | .         | 33        | 3          | .         |
| San Luis Obispo            | 34        | 4          | .         | 33        | 3          | .         |
| Humboldt                   | 34        | 2          | .         | 33        | 2          | .         |
| San Benito                 | 34        | 1          | .         | 33        | 2          | .         |
| Shasta                     | 34        | 4          | .         | 33        | 2          | .         |
| Sutter                     | 34        | 4          | .         | 33        | 2          | .         |
| Yuba                       | 8         | 5          | 6.8       | 33        | 2          | .         |
| Calaveras                  | 45        | .          | .         | 33        | 1          | .         |

**Table 12. Tuberculosis Cases, Rates per 100,000 Population, and Rank\* According to Rate:  
Reporting Jurisdictions in California, 2013-2014**

| Reporting Jurisdiction | 2013 Rank | 2013 Cases | 2013 Rate | 2014 Rank | 2014 Cases | 2014 Rate |
|------------------------|-----------|------------|-----------|-----------|------------|-----------|
| Mendocino              | 34        | 1          | .         | 33        | 1          | .         |
| Siskiyou               | 45        | .          | .         | 33        | 1          | .         |
| Alpine                 | 45        | .          | .         | 45        | .          | .         |
| Amador                 | 45        | .          | .         | 45        | .          | .         |
| Colusa                 | 45        | .          | .         | 45        | .          | .         |
| Del Norte              | 45        | .          | .         | 45        | .          | .         |
| Glenn                  | 34        | 1          | .         | 45        | .          | .         |
| Inyo                   | 45        | .          | .         | 45        | .          | .         |
| Lake                   | 34        | 2          | .         | 45        | .          | .         |
| Lassen                 | 45        | .          | .         | 45        | .          | .         |
| Mariposa               | 45        | .          | .         | 45        | .          | .         |
| Modoc                  | 45        | .          | .         | 45        | .          | .         |
| Mono                   | 45        | .          | .         | 45        | .          | .         |
| Nevada                 | 45        | .          | .         | 45        | .          | .         |
| Plumas                 | 45        | .          | .         | 45        | .          | .         |
| Sierra                 | 45        | .          | .         | 45        | .          | .         |
| Tehama                 | 45        | .          | .         | 45        | .          | .         |
| Trinity                | 45        | .          | .         | 45        | .          | .         |
| Tuolumne               | 45        | .          | .         | 45        | .          | .         |

\* All jurisdictions with one to four cases are given the same rank, and all jurisdictions with zero cases are given the same rank.  
 Note: Denominators for computing rates are from the California Department of Finance, E-2 California County Population Estimates and Components of Change, and E-4 Historical Population Estimates for Cities, Counties, and the State.  
 . Indicates zero cases or Rates not calculated where number of cases is less than 5  
 California Department of Public Health, Tuberculosis Control Branch

**Table 13. Tuberculosis Cases by Year: Reporting Jurisdictions in California, 2005-2014**

| Reporting Jurisdiction | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Percent Change<br>2005-2014 | Percent Change<br>2013-2014 |
|------------------------|------|------|------|------|------|------|------|------|------|------|-----------------------------|-----------------------------|
| California             | 2900 | 2776 | 2725 | 2699 | 2467 | 2325 | 2323 | 2188 | 2166 | 2147 | -26.0                       | -0.9                        |
| Alameda                | 154  | 141  | 149  | 134  | 156  | 178  | 132  | 136  | 114  | 108  | -29.9                       | -5.3                        |
| Alpine                 | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Amador                 | .    | .    | .    | .    | .    | 1    | .    | 1    | .    | .    | .                           | .                           |
| Berkeley               | 10   | 5    | 6    | 4    | 4    | 9    | 1    | 6    | 5    | 5    | -50.0                       | 0.0                         |
| Butte                  | 3    | 3    | 3    | 3    | 2    | 2    | .    | 4    | 4    | 6    | .                           | .                           |
| Calaveras              | .    | .    | 1    | .    | 2    | .    | 1    | 1    | .    | 1    | .                           | .                           |
| Colusa                 | .    | 2    | .    | 1    | .    | 3    | .    | 2    | .    | .    | .                           | .                           |
| Contra Costa           | 58   | 50   | 51   | 79   | 47   | 33   | 60   | 55   | 57   | 48   | -17.2                       | -15.8                       |
| Del Norte              | .    | 1    | .    | .    | 1    | .    | .    | .    | .    | .    | .                           | .                           |
| El Dorado              | 4    | 4    | 3    | 4    | 1    | 1    | 3    | 2    | 1    | 5    | .                           | .                           |
| Fresno                 | 69   | 62   | 41   | 75   | 66   | 55   | 46   | 34   | 38   | 51   | -26.1                       | 34.2                        |
| Glenn                  | .    | 1    | 2    | 1    | .    | 1    | .    | 3    | 1    | .    | .                           | .                           |
| Humboldt               | 4    | 1    | .    | .    | 2    | 1    | 1    | 5    | 2    | 2    | .                           | .                           |
| Imperial               | 32   | 33   | 29   | 21   | 36   | 24   | 27   | 30   | 38   | 37   | 15.6                        | -2.6                        |
| Inyo                   | .    | .    | 1    | .    | .    | 1    | .    | .    | .    | .    | .                           | .                           |
| Kern                   | 42   | 41   | 38   | 50   | 41   | 35   | 40   | 34   | 28   | 40   | -4.8                        | 42.9                        |
| Kings                  | 9    | 2    | 6    | 5    | 4    | 4    | 6    | 5    | 6    | 3    | .                           | .                           |
| Lake                   | .    | 1    | 1    | 2    | .    | 2    | 1    | 2    | 2    | .    | .                           | .                           |
| Lassen                 | 2    | .    | .    | .    | 1    | .    | .    | 2    | .    | .    | .                           | .                           |
| Long Beach             | 53   | 39   | 39   | 47   | 44   | 42   | 29   | 34   | 38   | 30   | -43.4                       | -21.1                       |
| Los Angeles            | 904  | 879  | 815  | 790  | 702  | 675  | 680  | 625  | 662  | 587  | -35.1                       | -11.3                       |
| Madera                 | 9    | 3    | 1    | 20   | 8    | 3    | 12   | 10   | 6    | 8    | -11.1                       | 33.3                        |
| Marin                  | 10   | 6    | 16   | 6    | 14   | 11   | 12   | 15   | 13   | 9    | -10.0                       | -30.8                       |
| Mariposa               | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Mendocino              | 2    | 4    | 3    | 4    | 3    | .    | 2    | 2    | 1    | 1    | .                           | .                           |
| Merced                 | 8    | 9    | 5    | 5    | 11   | 6    | 6    | 19   | 12   | 6    | -25.0                       | -50.0                       |
| Modoc                  | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Mono                   | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Monterey               | 37   | 29   | 22   | 24   | 16   | 21   | 25   | 18   | 17   | 17   | -54.1                       | .                           |
| Napa                   | 3    | 7    | 7    | 3    | 8    | 6    | 6    | 3    | 3    | 3    | .                           | .                           |
| Nevada                 | 2    | 2    | .    | 3    | .    | .    | 1    | 1    | .    | .    | .                           | .                           |
| Orange                 | 242  | 226  | 217  | 210  | 197  | 224  | 209  | 192  | 187  | 187  | -22.7                       | .                           |
| Pasadena               | 15   | 7    | 5    | 6    | 3    | 5    | 5    | 11   | 5    | 5    | -66.7                       | .                           |
| Placer                 | 5    | 6    | 14   | 2    | 7    | 3    | 6    | 6    | 6    | 4    | .                           | .                           |
| Plumas                 | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Riverside              | 60   | 74   | 80   | 79   | 69   | 73   | 68   | 57   | 54   | 65   | 8.3                         | 20.4                        |
| Sacramento             | 142  | 97   | 109  | 110  | 98   | 65   | 75   | 63   | 84   | 71   | -50.0                       | -15.5                       |
| San Benito             | .    | 1    | .    | 1    | .    | 1    | 3    | .    | 1    | 2    | .                           | .                           |
| San Bernardino         | 63   | 58   | 59   | 74   | 76   | 60   | 53   | 58   | 58   | 51   | -19.0                       | -12.1                       |
| San Diego              | 305  | 315  | 280  | 264  | 223  | 222  | 263  | 234  | 206  | 220  | -27.9                       | 6.8                         |
| San Francisco          | 132  | 120  | 143  | 118  | 115  | 98   | 108  | 116  | 107  | 114  | -13.6                       | 6.5                         |
| San Joaquin            | 63   | 78   | 51   | 66   | 76   | 46   | 44   | 44   | 43   | 54   | -14.3                       | 25.6                        |
| San Luis Obispo        | 8    | 2    | 3    | 1    | 3    | 4    | 6    | 3    | 4    | 3    | .                           | .                           |
| San Mateo              | 62   | 78   | 89   | 64   | 66   | 59   | 59   | 54   | 58   | 74   | 19.4                        | 27.6                        |

**Table 13. Tuberculosis Cases by Year: Reporting Jurisdictions in California, 2005-2014**

| Reporting Jurisdiction | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Percent Change<br>2005-2014 | Percent Change<br>2013-2014 |
|------------------------|------|------|------|------|------|------|------|------|------|------|-----------------------------|-----------------------------|
| Santa Barbara          | 26   | 15   | 14   | 34   | 22   | 30   | 21   | 24   | 26   | 29   | 11.5                        | 11.5                        |
| Santa Clara            | 199  | 228  | 240  | 197  | 197  | 193  | 180  | 175  | 181  | 163  | -18.1                       | -9.9                        |
| Santa Cruz             | 10   | 6    | 10   | 10   | 5    | 10   | 10   | 7    | 5    | 5    | -50.0                       | .                           |
| Shasta                 | 6    | 5    | 4    | 2    | 1    | 2    | .    | 1    | 4    | 2    | .                           | .                           |
| Sierra                 | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Siskiyou               | 1    | .    | .    | .    | .    | .    | .    | .    | .    | 1    | .                           | .                           |
| Solano                 | 38   | 26   | 37   | 33   | 23   | 20   | 34   | 17   | 12   | 24   | -36.8                       | 100.0                       |
| Sonoma                 | 11   | 14   | 13   | 9    | 9    | 9    | 13   | 14   | 8    | 13   | 18.2                        | 62.5                        |
| Stanislaus             | 11   | 16   | 16   | 20   | 20   | 16   | 9    | 7    | 10   | 13   | 18.2                        | 30.0                        |
| Sutter                 | 1    | 3    | 1    | 6    | 1    | 3    | 6    | 5    | 4    | 2    | .                           | .                           |
| Tehama                 | 4    | 2    | 4    | 1    | 2    | .    | 1    | .    | .    | .    | .                           | .                           |
| Trinity                | .    | 1    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Tulare                 | 15   | 21   | 25   | 33   | 24   | 26   | 20   | 12   | 16   | 17   | 13.3                        | 6.3                         |
| Tuolumne               | .    | .    | .    | .    | 1    | .    | .    | .    | .    | .    | .                           | .                           |
| Ventura                | 55   | 49   | 57   | 65   | 48   | 33   | 35   | 34   | 28   | 51   | -7.3                        | 82.1                        |
| Yolo                   | 9    | 3    | 9    | 8    | 12   | 8    | 3    | 3    | 6    | 8    | -11.1                       | 33.3                        |
| Yuba                   | 2    | .    | 6    | 5    | .    | 1    | 1    | 2    | 5    | 2    | .                           | .                           |

. Indicates zero cases or percent change not calculated where number of cases is less than 5  
 California Department of Public Health, Tuberculosis Control Branch

**Table 14. Tuberculosis Cases Rates by Year: Reporting Jurisdictions in California, 2005-2014**

| Reporting Jurisdiction | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Percent Change<br>2005-2014 | Percent Change<br>2013-2014 |
|------------------------|------|------|------|------|------|------|------|------|------|------|-----------------------------|-----------------------------|
| California             | 8.1  | 7.7  | 7.5  | 7.3  | 6.7  | 6.2  | 6.2  | 5.8  | 5.7  | 5.6  | -30.9                       | -1.8                        |
| Alameda                | 11.4 | 10.4 | 10.9 | 9.7  | 11.2 | 12.7 | 9.4  | 9.6  | 7.9  | 7.4  | -35.1                       | -6.3                        |
| Alpine                 | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Amador                 | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Berkeley               | 9.5  | 4.6  | 5.5  | .    | .    | 8.0  | .    | 5.2  | 4.3  | 4.2  | -55.8                       | -2.3                        |
| Butte                  | .    | .    | .    | .    | .    | .    | .    | .    | .    | 2.7  | .                           | .                           |
| Calaveras              | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Colusa                 | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Contra Costa           | 5.8  | 4.9  | 5.0  | 7.6  | 4.5  | 3.1  | 5.7  | 5.1  | 5.3  | 4.4  | -24.1                       | -17.0                       |
| Del Norte              | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| El Dorado              | .    | .    | .    | .    | .    | .    | .    | .    | .    | 2.7  | .                           | .                           |
| Fresno                 | 7.9  | 7.0  | 4.6  | 8.2  | 7.1  | 5.9  | 4.9  | 3.6  | 4.0  | 5.3  | -32.9                       | 32.5                        |
| Glenn                  | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Humboldt               | .    | .    | .    | .    | .    | .    | .    | 3.7  | .    | .    | .                           | .                           |
| Imperial               | 20.3 | 20.3 | 17.4 | 12.3 | 20.8 | 13.7 | 15.2 | 16.8 | 21.2 | 20.4 | 0.5                         | -3.8                        |
| Inyo                   | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Kern                   | 5.5  | 5.2  | 4.7  | 6.1  | 4.9  | 4.2  | 4.7  | 4.0  | 3.2  | 4.6  | -16.4                       | 43.8                        |
| Kings                  | 6.2  | .    | 4.0  | 3.3  | .    | .    | 4.0  | 3.3  | 4.0  | .    | .                           | .                           |
| Lake                   | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Lassen                 | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Long Beach             | 11.3 | 8.4  | 8.4  | 10.1 | 9.5  | 9.1  | 6.2  | 7.3  | 8.1  | 6.4  | -43.4                       | -21.0                       |
| Los Angeles            | 9.8  | 9.6  | 8.9  | 8.6  | 7.6  | 7.3  | 7.3  | 6.7  | 7.0  | 6.2  | -36.7                       | -11.4                       |
| Madera                 | 6.4  | .    | .    | 13.4 | 5.3  | .    | 7.9  | 6.6  | 3.9  | 5.2  | -18.8                       | 33.3                        |
| Marin                  | 4.1  | 2.4  | 6.4  | 2.4  | 5.6  | 4.4  | 4.7  | 5.9  | 5.1  | 3.5  | -14.6                       | -31.4                       |
| Mariposa               | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Mendocino              | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Merced                 | 3.3  | 3.7  | 2.0  | 2.0  | 4.3  | 2.3  | 2.3  | 7.3  | 4.6  | 2.3  | -30.3                       | -50.0                       |
| Modoc                  | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Mono                   | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Monterey               | 9.1  | 7.1  | 5.4  | 5.8  | 3.9  | 5.0  | 6.0  | 4.3  | 4.0  | 4.0  | -56.0                       | .                           |
| Napa                   | .    | 5.3  | 5.3  | .    | 5.9  | 4.4  | 4.4  | .    | .    | .    | .                           | .                           |
| Nevada                 | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Orange                 | 8.2  | 7.6  | 7.3  | 7.0  | 6.6  | 7.4  | 6.9  | 6.2  | 6.0  | 6.0  | -26.8                       | .                           |
| Pasadena               | 10.9 | 5.1  | 3.7  | 4.4  | .    | 3.6  | 3.6  | 7.9  | 3.6  | 3.5  | -67.9                       | -2.8                        |
| Placer                 | 1.6  | 1.9  | 4.2  | .    | 2.0  | .    | 1.7  | 1.7  | 1.6  | .    | .                           | .                           |
| Plumas                 | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Riverside              | 3.1  | 3.7  | 3.8  | 3.7  | 3.2  | 3.3  | 3.1  | 2.5  | 2.4  | 2.8  | -9.7                        | 16.7                        |
| Sacramento             | 10.5 | 7.1  | 7.9  | 7.9  | 6.9  | 4.6  | 5.2  | 4.4  | 5.8  | 4.9  | -53.3                       | -15.5                       |
| San Benito             | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| San Bernardino         | 3.2  | 2.9  | 2.9  | 3.7  | 3.8  | 2.9  | 2.6  | 2.8  | 2.8  | 2.4  | -25.0                       | -14.3                       |
| San Diego              | 10.3 | 10.6 | 9.3  | 8.7  | 7.2  | 7.2  | 8.4  | 7.4  | 6.5  | 6.8  | -34.0                       | 4.6                         |
| San Francisco          | 16.9 | 15.3 | 18.1 | 14.8 | 14.3 | 12.2 | 13.3 | 14.1 | 12.9 | 13.6 | -19.5                       | 5.4                         |
| San Joaquin            | 9.7  | 11.8 | 7.6  | 9.8  | 11.2 | 6.7  | 6.4  | 6.3  | 6.1  | 7.6  | -21.6                       | 24.6                        |
| San Luis Obispo        | 3.1  | .    | .    | .    | .    | .    | 2.2  | .    | .    | .    | .                           | .                           |
| San Mateo              | 8.9  | 11.2 | 12.6 | 9.0  | 9.2  | 8.2  | 8.1  | 7.3  | 7.8  | 9.9  | 11.2                        | 26.9                        |
| Santa Barbara          | 6.3  | 3.6  | 3.4  | 8.1  | 5.2  | 7.1  | 4.9  | 5.6  | 6.0  | 6.6  | 4.8                         | 10.0                        |

**Table 14. Tuberculosis Cases Rates by Year: Reporting Jurisdictions in California, 2005-2014**

| Reporting Jurisdiction | 2005 | 2006 | 2007 | 2008 | 2009 | 2010 | 2011 | 2012 | 2013 | 2014 | Percent Change<br>2005-2014 | Percent Change<br>2013-2014 |
|------------------------|------|------|------|------|------|------|------|------|------|------|-----------------------------|-----------------------------|
| Santa Clara            | 11.7 | 13.3 | 13.8 | 11.2 | 11.1 | 10.8 | 10.0 | 9.6  | 9.8  | 8.7  | -25.6                       | -11.2                       |
| Santa Cruz             | 3.9  | 2.3  | 3.9  | 3.8  | 1.9  | 3.8  | 3.8  | 2.6  | 1.8  | 1.8  | -53.8                       | .                           |
| Shasta                 | 3.4  | 2.9  | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Sierra                 | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Siskiyou               | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Solano                 | 9.3  | 6.3  | 9.0  | 8.0  | 5.6  | 4.8  | 8.2  | 4.1  | 2.8  | 5.6  | -39.8                       | 100.0                       |
| Sonoma                 | 2.3  | 3.0  | 2.7  | 1.9  | 1.9  | 1.9  | 2.7  | 2.9  | 1.6  | 2.6  | 13.0                        | 62.5                        |
| Stanislaus             | 2.2  | 3.2  | 3.1  | 3.9  | 3.9  | 3.1  | 1.7  | 1.3  | 1.9  | 2.5  | 13.6                        | 31.6                        |
| Sutter                 | .    | .    | .    | 6.4  | .    | .    | 6.3  | 5.2  | .    | .    | .                           | .                           |
| Tehama                 | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Trinity                | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Tulare                 | 3.7  | 5.0  | 5.9  | 7.6  | 5.5  | 5.9  | 4.5  | 2.7  | 3.5  | 3.7  | .                           | 5.7                         |
| Tuolumne               | .    | .    | .    | .    | .    | .    | .    | .    | .    | .    | .                           | .                           |
| Ventura                | 6.9  | 6.1  | 7.1  | 8.0  | 5.9  | 4.0  | 4.2  | 4.1  | 3.3  | 6.0  | -13.0                       | 81.8                        |
| Yolo                   | 4.8  | .    | 4.6  | 4.0  | 6.0  | 4.0  | .    | .    | 2.9  | 3.9  | -18.8                       | 34.5                        |
| Yuba                   | .    | .    | 8.5  | 7.0  | .    | .    | .    | .    | 6.8  | .    | .                           | .                           |

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

Note: Denominators for computing rates are from the California Department of Finance, E-2 California County Population Estimates and Components of Change, and E-4 Historical Population Estimates for Cities, Counties, and the State.  
California Department of Public Health, Tuberculosis Control Branch

**Table 15. Tuberculosis Cases by Age Group: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction   | All Ages | Age Group |      |       |       |       |     |
|--------------------------|----------|-----------|------|-------|-------|-------|-----|
|                          |          | 0-4       | 5-14 | 15-24 | 25-44 | 45-64 | 65+ |
| California               | 2147     | 56        | 35   | 187   | 530   | 661   | 678 |
| Alameda                  | 108      | 2         | .    | 12    | 21    | 36    | 37  |
| Berkeley                 | 5        | .         | 1    | .     | 4     | .     | .   |
| Butte                    | 6        | .         | .    | 2     | .     | 3     | 1   |
| Contra Costa             | 48       | 1         | .    | 1     | 15    | 13    | 18  |
| El Dorado                | 5        | .         | .    | .     | .     | 2     | 3   |
| Fresno                   | 51       | 1         | .    | 5     | 10    | 16    | 19  |
| Imperial                 | 37       | 1         | .    | 6     | 6     | 13    | 11  |
| Kern                     | 40       | 2         | .    | 2     | 12    | 13    | 11  |
| Long Beach               | 30       | .         | 1    | 1     | 9     | 14    | 5   |
| Los Angeles              | 587      | 15        | 8    | 32    | 133   | 200   | 199 |
| Madera                   | 8        | .         | .    | 1     | 2     | 5     | .   |
| Marin                    | 9        | .         | .    | .     | 1     | 3     | 5   |
| Merced                   | 6        | .         | 1    | .     | 3     | 2     | .   |
| Monterey                 | 17       | 1         | 1    | 3     | 4     | 4     | 4   |
| Orange                   | 187      | 4         | 1    | 14    | 42    | 57    | 69  |
| Pasadena                 | 5        | .         | .    | 1     | 1     | 2     | 1   |
| Riverside                | 65       | .         | 5    | 7     | 14    | 16    | 23  |
| Sacramento               | 71       | 2         | .    | 15    | 12    | 22    | 20  |
| San Bernardino           | 51       | 3         | 1    | 2     | 20    | 9     | 16  |
| San Diego                | 220      | 3         | 6    | 38    | 60    | 61    | 52  |
| San Francisco            | 114      | 1         | .    | 6     | 22    | 42    | 43  |
| San Joaquin              | 54       | 5         | .    | 1     | 14    | 14    | 20  |
| San Mateo                | 74       | 2         | 1    | 5     | 17    | 18    | 31  |
| Santa Barbara            | 29       | 3         | .    | 10    | 6     | 8     | 2   |
| Santa Clara              | 163      | 3         | 3    | 12    | 59    | 46    | 40  |
| Santa Cruz               | 5        | .         | .    | .     | 2     | 1     | 2   |
| Solano                   | 24       | .         | .    | 2     | 3     | 9     | 10  |
| Sonoma                   | 13       | 1         | .    | 1     | 3     | 2     | 6   |
| Stanislaus               | 13       | 2         | 1    | 2     | 2     | 3     | 3   |
| Tulare                   | 17       | 3         | .    | 1     | 4     | 4     | 5   |
| Ventura                  | 51       | 1         | 3    | 2     | 15    | 15    | 15  |
| Yolo                     | 8        | .         | .    | 1     | 4     | .     | 3   |
| All Other Jurisdictions* | 26       | .         | 2    | 2     | 10    | 8     | 4   |

. Indicates zero cases

\* Reporting jurisdictions with fewer than 5 cases

California Department of Public Health, Tuberculosis Control Branch

**Table 16. Tuberculosis Cases in Persons 0-4 Years of Age: Reporting Jurisdictions in California, 2006-2014**

| Reporting Jurisdiction   | 2006 |      | 2007 |     | 2008 |      | 2009 |      | 2010 |     | 2011 |      | 2012 |      | 2013 |      | 2014 |      |
|--------------------------|------|------|------|-----|------|------|------|------|------|-----|------|------|------|------|------|------|------|------|
|                          | No.  | %    | No.  | %   | No.  | %    | No.  | %    | No.  | %   | No.  | %    | No.  | %    | No.  | %    | No.  | %    |
| California               | 91   | 3.3  | 89   | 3.3 | 90   | 3.3  | 70   | 2.8  | 55   | 2.4 | 82   | 3.5  | 48   | 2.2  | 58   | 2.7  | 56   | 2.6  |
| Alameda                  | .    | .    | 3    | 2.0 | 1    | 0.7  | 4    | 2.6  | 3    | 1.7 | 3    | 2.3  | 3    | 2.2  | 1    | 0.9  | 2    | 1.9  |
| Contra Costa             | 1    | 2.0  | 3    | 5.9 | 3    | 3.8  | 1    | 2.1  | .    | .   | 2    | 3.3  | .    | .    | 2    | 3.5  | 1    | 2.1  |
| Fresno                   | 3    | 4.8  | 2    | 4.9 | 8    | 10.7 | 3    | 4.5  | 3    | 5.5 | 3    | 6.5  | .    | .    | 2    | 5.3  | 1    | 2.0  |
| Imperial                 | 3    | 9.1  | 1    | 3.4 | 1    | 4.8  | .    | .    | .    | .   | .    | .    | 1    | 3.3  | 2    | 5.3  | 1    | 2.7  |
| Kern                     | 1    | 2.4  | 2    | 5.3 | 1    | 2.0  | 1    | 2.4  | 1    | 2.9 | 5    | 12.5 | 2    | 5.9  | .    | .    | 2    | 5.0  |
| Long Beach               | .    | .    | 2    | 5.1 | 1    | 2.1  | 1    | 2.3  | 1    | 2.4 | 1    | 3.4  | 2    | 5.9  | .    | .    | .    | .    |
| Los Angeles              | 31   | 3.5  | 27   | 3.3 | 24   | 3.0  | 14   | 2.0  | 15   | 2.2 | 29   | 4.3  | 9    | 1.4  | 18   | 2.7  | 15   | 2.6  |
| Marin                    | .    | .    | .    | .   | .    | .    | .    | .    | .    | .   | .    | .    | 1    | 6.7  | .    | .    | .    | .    |
| Merced                   | .    | .    | .    | .   | .    | .    | .    | .    | .    | .   | .    | .    | 1    | 5.3  | 2    | 16.7 | .    | .    |
| Monterey                 | 3    | 10.3 | .    | .   | 4    | 16.7 | 1    | 6.3  | 2    | 9.5 | 3    | 12.0 | 3    | 16.7 | 1    | 5.9  | 1    | 5.9  |
| Orange                   | 8    | 3.5  | 9    | 4.1 | 6    | 2.9  | 4    | 2.0  | 6    | 2.7 | 2    | 1.0  | 2    | 1.0  | 2    | 1.1  | 4    | 2.1  |
| Riverside                | 1    | 1.4  | 1    | 1.3 | 3    | 3.8  | 2    | 2.9  | .    | .   | 1    | 1.5  | 1    | 1.8  | 1    | 1.9  | .    | .    |
| Sacramento               | .    | .    | 4    | 3.7 | 1    | 0.9  | 1    | 1.0  | 1    | 1.5 | 2    | 2.7  | 1    | 1.6  | 1    | 1.2  | 2    | 2.8  |
| San Bernardino           | 3    | 5.2  | .    | .   | 1    | 1.4  | 5    | 6.6  | .    | .   | 2    | 3.8  | 1    | 1.7  | 3    | 5.2  | 3    | 5.9  |
| San Diego                | 19   | 6.0  | 10   | 3.6 | 5    | 1.9  | 9    | 4.0  | 8    | 3.6 | 7    | 2.7  | 6    | 2.6  | 3    | 1.5  | 3    | 1.4  |
| San Francisco            | 1    | 0.8  | 1    | 0.7 | 4    | 3.4  | 2    | 1.7  | 1    | 1.0 | 5    | 4.6  | .    | .    | 2    | 1.9  | 1    | 0.9  |
| San Joaquin              | 3    | 3.8  | 4    | 7.8 | 4    | 6.1  | 7    | 9.2  | .    | .   | 3    | 6.8  | 3    | 6.8  | 4    | 9.3  | 5    | 9.3  |
| San Mateo                | .    | .    | 2    | 2.2 | 3    | 4.7  | .    | .    | 2    | 3.4 | 2    | 3.4  | .    | .    | 2    | 3.4  | 2    | 2.7  |
| Santa Barbara            | .    | .    | .    | .   | 3    | 8.8  | 2    | 9.1  | 2    | 6.7 | 3    | 14.3 | 2    | 8.3  | 1    | 3.8  | 3    | 10.3 |
| Santa Clara              | 6    | 2.6  | 6    | 2.5 | 5    | 2.5  | 6    | 3.0  | 4    | 2.1 | 4    | 2.2  | 3    | 1.7  | 2    | 1.1  | 3    | 1.8  |
| Santa Cruz               | .    | .    | .    | .   | .    | .    | .    | .    | .    | .   | .    | .    | .    | .    | 1    | 20.0 | .    | .    |
| Solano                   | 3    | 11.5 | .    | .   | 3    | 9.1  | .    | .    | 1    | 5.0 | .    | .    | .    | .    | .    | .    | .    | .    |
| Sonoma                   | .    | .    | .    | .   | 1    | 11.1 | .    | .    | .    | .   | 1    | 7.7  | 2    | 14.3 | 1    | 12.5 | 1    | 7.7  |
| Stanislaus               | .    | .    | .    | .   | .    | .    | .    | .    | 1    | 6.3 | .    | .    | .    | .    | 3    | 30.0 | 2    | 15.4 |
| Tulare                   | 2    | 9.5  | 1    | 4.0 | 4    | 12.1 | 3    | 12.5 | 1    | 3.8 | 1    | 5.0  | 1    | 8.3  | 1    | 6.3  | 3    | 17.6 |
| Ventura                  | 1    | 2.0  | 4    | 7.0 | 1    | 1.5  | 3    | 6.3  | 3    | 9.1 | 2    | 5.7  | 1    | 2.9  | 2    | 7.1  | 1    | 2.0  |
| All Other Jurisdictions* | 2    | 3.0  | 7    | 8.8 | 3    | 3.7  | 1    | 1.5  | .    | .   | 1    | 1.5  | 3    | 3.8  | 1    | 1.5  | .    | .    |

. Indicates zero cases or zero percent

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

California Department of Public Health, Tuberculosis Control Branch

**Table 17. Tuberculosis Cases in Persons 0-14 Years of Age that Lived Outside the U.S. for Greater than Two Months: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction   | Cases 0-4 Yrs | Cases with Information |       | Lived Outside U.S. > Two Months |       | Cases 5-14 Yrs | Cases with Information |       | Lived Outside U.S. > Two Months |       |
|--------------------------|---------------|------------------------|-------|---------------------------------|-------|----------------|------------------------|-------|---------------------------------|-------|
|                          |               | No.                    | %     | No.                             | %     |                | No.                    | %     | No.                             | %     |
| California               | 56            | 53                     | 94.6  | 11                              | 20.8  | 35             | 27                     | 77.1  | 7                               | 25.9  |
| Alameda                  | 2             | 2                      | 100.0 | 1                               | 50.0  | .              | .                      | .     | .                               | .     |
| Berkeley                 | .             | .                      | .     | .                               | .     | 1              | 1                      | 100.0 | .                               | .     |
| Butte                    | .             | .                      | .     | .                               | .     | .              | .                      | .     | .                               | .     |
| Contra Costa             | 1             | 1                      | 100.0 | .                               | .     | .              | .                      | .     | .                               | .     |
| El Dorado                | .             | .                      | .     | .                               | .     | .              | .                      | .     | .                               | .     |
| Fresno                   | 1             | 1                      | 100.0 | .                               | .     | .              | .                      | .     | .                               | .     |
| Imperial                 | 1             | 1                      | 100.0 | .                               | .     | .              | .                      | .     | .                               | .     |
| Kern                     | 2             | 2                      | 100.0 | 1                               | 50.0  | .              | .                      | .     | .                               | .     |
| Long Beach               | .             | .                      | .     | .                               | .     | 1              | 1                      | 100.0 | 1                               | 100.0 |
| Los Angeles              | 15            | 12                     | 80.0  | 3                               | 25.0  | 8              | 4                      | 50.0  | 1                               | 25.0  |
| Madera                   | .             | .                      | .     | .                               | .     | .              | .                      | .     | .                               | .     |
| Marin                    | .             | .                      | .     | .                               | .     | .              | .                      | .     | .                               | .     |
| Merced                   | .             | .                      | .     | .                               | .     | 1              | 1                      | 100.0 | .                               | .     |
| Monterey                 | 1             | 1                      | 100.0 | .                               | .     | 1              | 1                      | 100.0 | .                               | .     |
| Orange                   | 4             | 4                      | 100.0 | 1                               | 25.0  | 1              | 1                      | 100.0 | .                               | .     |
| Pasadena                 | .             | .                      | .     | .                               | .     | .              | .                      | .     | .                               | .     |
| Riverside                | .             | .                      | .     | .                               | .     | 5              | 3                      | 60.0  | 1                               | 33.3  |
| Sacramento               | 2             | 2                      | 100.0 | .                               | .     | .              | .                      | .     | .                               | .     |
| San Bernardino           | 3             | 3                      | 100.0 | 1                               | 33.3  | 1              | 1                      | 100.0 | 1                               | 100.0 |
| San Diego                | 3             | 3                      | 100.0 | 1                               | 33.3  | 6              | 6                      | 100.0 | .                               | .     |
| San Francisco            | 1             | 1                      | 100.0 | .                               | .     | .              | .                      | .     | .                               | .     |
| San Joaquin              | 5             | 5                      | 100.0 | 1                               | 20.0  | .              | .                      | .     | .                               | .     |
| San Mateo                | 2             | 2                      | 100.0 | .                               | .     | 1              | 1                      | 100.0 | .                               | .     |
| Santa Barbara            | 3             | 3                      | 100.0 | .                               | .     | .              | .                      | .     | .                               | .     |
| Santa Clara              | 3             | 3                      | 100.0 | .                               | .     | 3              | 2                      | 66.7  | 1                               | 50.0  |
| Santa Cruz               | .             | .                      | .     | .                               | .     | .              | .                      | .     | .                               | .     |
| Solano                   | .             | .                      | .     | .                               | .     | .              | .                      | .     | .                               | .     |
| Sonoma                   | 1             | 1                      | 100.0 | 1                               | 100.0 | .              | .                      | .     | .                               | .     |
| Stanislaus               | 2             | 2                      | 100.0 | 1                               | 50.0  | 1              | 1                      | 100.0 | .                               | .     |
| Tulare                   | 3             | 3                      | 100.0 | .                               | .     | .              | .                      | .     | .                               | .     |
| Ventura                  | 1             | 1                      | 100.0 | .                               | .     | 3              | 3                      | 100.0 | 2                               | 66.7  |
| Yolo                     | .             | .                      | .     | .                               | .     | .              | .                      | .     | .                               | .     |
| All Other Jurisdictions* | .             | .                      | .     | .                               | .     | 2              | 1                      | 50.0  | .                               | .     |

. Indicates zero cases or zero percent

\* Reporting jurisdictions with fewer than 5 total cases

California Department of Public Health, Tuberculosis Control Branch

**Table 18. Tuberculosis Cases by Race/Ethnicity: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction    | Total Cases | Race/Ethnicity      |                     |          |       |                            |                                   |             |         |
|---------------------------|-------------|---------------------|---------------------|----------|-------|----------------------------|-----------------------------------|-------------|---------|
|                           |             | White, Not Hispanic | Black, Not Hispanic | Hispanic | Asian | Amer Indian/ Alaska Native | Native Hawaiian/ Pacific Islander | Multi-race* | Unknown |
| California                | 2147        | 165                 | 116                 | 776      | 1066  | 3                          | 11                                | 7           | 3       |
| Alameda                   | 108         | 11                  | 10                  | 15       | 69    | .                          | 2                                 | .           | 1       |
| Berkeley                  | 5           | 2                   | .                   | .        | 3     | .                          | .                                 | .           | .       |
| Butte                     | 6           | .                   | .                   | 1        | 5     | .                          | .                                 | .           | .       |
| Contra Costa              | 48          | 4                   | 7                   | 10       | 27    | .                          | .                                 | .           | .       |
| El Dorado                 | 5           | 2                   | .                   | 1        | 2     | .                          | .                                 | .           | .       |
| Fresno                    | 51          | 1                   | 1                   | 24       | 24    | .                          | .                                 | 1           | .       |
| Imperial                  | 37          | .                   | 1                   | 36       | .     | .                          | .                                 | .           | .       |
| Kern                      | 40          | 3                   | 3                   | 24       | 10    | .                          | .                                 | .           | .       |
| Long Beach                | 30          | 2                   | 1                   | 12       | 15    | .                          | .                                 | .           | .       |
| Los Angeles               | 587         | 38                  | 46                  | 249      | 253   | .                          | .                                 | 1           | .       |
| Madera                    | 8           | 1                   | .                   | 6        | 1     | .                          | .                                 | .           | .       |
| Marin                     | 9           | 7                   | .                   | .        | 2     | .                          | .                                 | .           | .       |
| Merced                    | 6           | .                   | .                   | 5        | 1     | .                          | .                                 | .           | .       |
| Monterey                  | 17          | .                   | .                   | 10       | 7     | .                          | .                                 | .           | .       |
| Orange                    | 187         | 11                  | 7                   | 37       | 130   | .                          | 2                                 | .           | .       |
| Pasadena                  | 5           | 1                   | .                   | 2        | 2     | .                          | .                                 | .           | .       |
| Riverside                 | 65          | 9                   | 1                   | 30       | 23    | .                          | .                                 | .           | 2       |
| Sacramento                | 71          | 8                   | 2                   | 9        | 52    | .                          | .                                 | .           | .       |
| San Bernardino            | 51          | 3                   | 1                   | 29       | 15    | .                          | 3                                 | .           | .       |
| San Diego                 | 220         | 19                  | 14                  | 115      | 71    | 1                          | .                                 | .           | .       |
| San Francisco             | 114         | 8                   | 6                   | 13       | 86    | 1                          | .                                 | .           | .       |
| San Joaquin               | 54          | 14                  | 4                   | 13       | 23    | .                          | .                                 | .           | .       |
| San Mateo                 | 74          | 3                   | 1                   | 11       | 56    | .                          | 3                                 | .           | .       |
| Santa Barbara             | 29          | 2                   | .                   | 20       | 5     | .                          | 1                                 | 1           | .       |
| Santa Clara               | 163         | 5                   | 7                   | 28       | 122   | .                          | .                                 | 1           | .       |
| Santa Cruz                | 5           | 1                   | .                   | 4        | .     | .                          | .                                 | .           | .       |
| Solano                    | 24          | 1                   | 3                   | 1        | 19    | .                          | .                                 | .           | .       |
| Sonoma                    | 13          | 3                   | 1                   | 7        | 2     | .                          | .                                 | .           | .       |
| Stanislaus                | 13          | 1                   | .                   | 8        | 4     | .                          | .                                 | .           | .       |
| Tulare                    | 17          | 2                   | .                   | 10       | 3     | 1                          | .                                 | 1           | .       |
| Ventura                   | 51          | 2                   | .                   | 33       | 15    | .                          | .                                 | 1           | .       |
| Yolo                      | 8           | .                   | .                   | 2        | 6     | .                          | .                                 | .           | .       |
| All Other Jurisdictions** | 26          | 1                   | .                   | 11       | 13    | .                          | .                                 | 1           | .       |

. Indicates zero cases

\* Two or more races reported

\*\* Reporting jurisdictions with fewer than 5 total cases

California Department of Public Health, Tuberculosis Control Branch

**Table 19. Tuberculosis Cases by U.S.-born and Foreign-born Persons:  
Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction   | All Cases | Foreign-born |      | U.S.-born |      | Unknown |      |
|--------------------------|-----------|--------------|------|-----------|------|---------|------|
|                          |           | No.          | %    | No.       | %    | No.     | %    |
| California               | 2147      | 1670         | 77.8 | 463       | 21.6 | 14      | 0.7  |
| Alameda                  | 108       | 92           | 85.2 | 16        | 14.8 | .       | .    |
| Berkeley                 | 5         | 2            | 40.0 | 3         | 60.0 | .       | .    |
| Butte                    | 6         | 4            | 66.7 | 2         | 33.3 | .       | .    |
| Contra Costa             | 48        | 42           | 87.5 | 6         | 12.5 | .       | .    |
| El Dorado                | 5         | 2            | 40.0 | 3         | 60.0 | .       | .    |
| Fresno                   | 51        | 36           | 70.6 | 15        | 29.4 | .       | .    |
| Imperial                 | 37        | 29           | 78.4 | 7         | 18.9 | 1       | 2.7  |
| Kern                     | 40        | 27           | 67.5 | 13        | 32.5 | .       | .    |
| Long Beach               | 30        | 25           | 83.3 | 5         | 16.7 | .       | .    |
| Los Angeles              | 587       | 464          | 79.0 | 122       | 20.8 | 1       | 0.2  |
| Madera                   | 8         | 6            | 75.0 | 2         | 25.0 | .       | .    |
| Marin                    | 9         | 2            | 22.2 | 7         | 77.8 | .       | .    |
| Merced                   | 6         | 5            | 83.3 | 1         | 16.7 | .       | .    |
| Monterey                 | 17        | 13           | 76.5 | 4         | 23.5 | .       | .    |
| Orange                   | 187       | 165          | 88.2 | 22        | 11.8 | .       | .    |
| Pasadena                 | 5         | 4            | 80.0 | 1         | 20.0 | .       | .    |
| Riverside                | 65        | 43           | 66.2 | 20        | 30.8 | 2       | 3.1  |
| Sacramento               | 71        | 52           | 73.2 | 19        | 26.8 | .       | .    |
| San Bernardino           | 51        | 38           | 74.5 | 13        | 25.5 | .       | .    |
| San Diego                | 220       | 152          | 69.1 | 68        | 30.9 | .       | .    |
| San Francisco            | 114       | 102          | 89.5 | 12        | 10.5 | .       | .    |
| San Joaquin              | 54        | 26           | 48.1 | 27        | 50.0 | 1       | 1.9  |
| San Mateo                | 74        | 67           | 90.5 | 7         | 9.5  | .       | .    |
| Santa Barbara            | 29        | 19           | 65.5 | 10        | 34.5 | .       | .    |
| Santa Clara              | 163       | 144          | 88.3 | 13        | 8.0  | 6       | 3.7  |
| Santa Cruz               | 5         | 3            | 60.0 | 2         | 40.0 | .       | .    |
| Solano                   | 24        | 19           | 79.2 | 5         | 20.8 | .       | .    |
| Sonoma                   | 13        | 6            | 46.2 | 4         | 30.8 | 3       | 23.1 |
| Stanislaus               | 13        | 7            | 53.8 | 6         | 46.2 | .       | .    |
| Tulare                   | 17        | 7            | 41.2 | 10        | 58.8 | .       | .    |
| Ventura                  | 51        | 38           | 74.5 | 13        | 25.5 | .       | .    |
| Yolo                     | 8         | 6            | 75.0 | 2         | 25.0 | .       | .    |
| All Other Jurisdictions* | 26        | 23           | 88.5 | 3         | 11.5 | .       | .    |

. Indicates zero cases

\* Reporting jurisdictions with fewer than 5 cases

California Department of Public Health, Tuberculosis Control Branch

**Table 20. Tuberculosis Cases in Foreign-born Persons by Time in the United States: Reporting Jurisdictions in California, 2014**

| 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               | 1670                     | 167       | 10.0 | 45        | 2.7 | 116       | 6.9  | 185        | 11.1 | 351         | 21.0 | 720       | 43.1 | 86                   | 5.2   |
| Alameda                  | 92                       | 10        | 10.9 | 2         | 2.2 | 12        | 13.0 | 9          | 9.8  | 23          | 25.0 | 33        | 35.9 | 3                    | 3.3   |
| Berkeley                 | 2                        | .         | .    | .         | .   | 1         | 50.0 | 1          | 50.0 | .           | .    | .         | .    | .                    | .     |
| Butte                    | 4                        | .         | .    | .         | .   | .         | .    | .          | .    | 1           | 25.0 | 3         | 75.0 | .                    | .     |
| Contra Costa             | 42                       | 7         | 16.7 | 1         | 2.4 | 9         | 21.4 | 2          | 4.8  | 10          | 23.8 | 11        | 26.2 | 2                    | 4.8   |
| El Dorado                | 2                        | 1         | 50.0 | .         | .   | .         | .    | .          | .    | .           | .    | 1         | 50.0 | .                    | .     |
| Fresno                   | 36                       | 2         | 5.6  | 1         | 2.8 | 2         | 5.6  | 3          | 8.3  | 9           | 25.0 | 19        | 52.8 | .                    | .     |
| Imperial                 | 29                       | 3         | 10.3 | .         | .   | .         | .    | 1          | 3.4  | 5           | 17.2 | 20        | 69.0 | .                    | .     |
| Kern                     | 27                       | 3         | 11.1 | 1         | 3.7 | 1         | 3.7  | 3          | 11.1 | 6           | 22.2 | 13        | 48.1 | .                    | .     |
| Long Beach               | 25                       | 1         | 4.0  | 1         | 4.0 | 2         | 8.0  | 1          | 4.0  | 4           | 16.0 | 12        | 48.0 | 4                    | 16.0  |
| Los Angeles              | 464                      | 36        | 7.8  | 10        | 2.2 | 27        | 5.8  | 38         | 8.2  | 118         | 25.4 | 234       | 50.4 | 1                    | 0.2   |
| Madera                   | 6                        | .         | .    | .         | .   | 2         | 33.3 | 1          | 16.7 | 1           | 16.7 | 2         | 33.3 | .                    | .     |
| Marin                    | 2                        | .         | .    | .         | .   | .         | .    | .          | .    | .           | .    | .         | .    | 2                    | 100.0 |
| Merced                   | 5                        | .         | .    | .         | .   | .         | .    | .          | .    | .           | .    | 4         | 80.0 | 1                    | 20.0  |
| Monterey                 | 13                       | 1         | 7.7  | 1         | 7.7 | .         | .    | 3          | 23.1 | 3           | 23.1 | 5         | 38.5 | .                    | .     |
| Orange                   | 165                      | 21        | 12.7 | 3         | 1.8 | 15        | 9.1  | 24         | 14.5 | 29          | 17.6 | 64        | 38.8 | 9                    | 5.5   |
| Pasadena                 | 4                        | .         | .    | .         | .   | .         | .    | 1          | 25.0 | 2           | 50.0 | 1         | 25.0 | .                    | .     |
| Riverside                | 43                       | 1         | 2.3  | 1         | 2.3 | 3         | 7.0  | 5          | 11.6 | 9           | 20.9 | 17        | 39.5 | 7                    | 16.3  |
| Sacramento               | 52                       | 8         | 15.4 | 1         | 1.9 | 2         | 3.8  | 4          | 7.7  | 9           | 17.3 | 22        | 42.3 | 6                    | 11.5  |
| San Bernardino           | 38                       | 3         | 7.9  | 2         | 5.3 | 1         | 2.6  | 5          | 13.2 | 1           | 2.6  | 10        | 26.3 | 16                   | 42.1  |
| San Diego                | 152                      | 24        | 15.8 | 5         | 3.3 | 6         | 3.9  | 14         | 9.2  | 26          | 17.1 | 70        | 46.1 | 7                    | 4.6   |
| San Francisco            | 102                      | 10        | 9.8  | 6         | 5.9 | 8         | 7.8  | 17         | 16.7 | 18          | 17.6 | 43        | 42.2 | .                    | .     |
| San Joaquin              | 26                       | .         | .    | .         | .   | 3         | 11.5 | 4          | 15.4 | 4           | 15.4 | 13        | 50.0 | 2                    | 7.7   |
| San Mateo                | 67                       | 6         | 9.0  | 2         | 3.0 | 4         | 6.0  | 10         | 14.9 | 16          | 23.9 | 24        | 35.8 | 5                    | 7.5   |
| Santa Barbara            | 19                       | 2         | 10.5 | .         | .   | .         | .    | 8          | 42.1 | 3           | 15.8 | 6         | 31.6 | .                    | .     |
| Santa Clara              | 144                      | 18        | 12.5 | 7         | 4.9 | 8         | 5.6  | 17         | 11.8 | 31          | 21.5 | 54        | 37.5 | 9                    | 6.3   |
| Santa Cruz               | 3                        | .         | .    | .         | .   | .         | .    | 1          | 33.3 | 1           | 33.3 | 1         | 33.3 | .                    | .     |
| Solano                   | 19                       | 2         | 10.5 | .         | .   | .         | .    | 1          | 5.3  | 4           | 21.1 | 7         | 36.8 | 5                    | 26.3  |
| Sonoma                   | 6                        | 1         | 16.7 | .         | .   | 1         | 16.7 | 1          | 16.7 | 2           | 33.3 | 1         | 16.7 | .                    | .     |
| Stanislaus               | 7                        | .         | .    | .         | .   | 3         | 42.9 | 2          | 28.6 | .           | .    | 2         | 28.6 | .                    | .     |
| Tulare                   | 7                        | .         | .    | .         | .   | .         | .    | .          | .    | 2           | 28.6 | 1         | 14.3 | 4                    | 57.1  |
| Ventura                  | 38                       | 5         | 13.2 | .         | .   | 3         | 7.9  | 4          | 10.5 | 8           | 21.1 | 18        | 47.4 | .                    | .     |
| Yolo                     | 6                        | 1         | 16.7 | .         | .   | 1         | 16.7 | 2          | 33.3 | .           | .    | 2         | 33.3 | .                    | .     |
| All Other Jurisdictions* | 23                       | 1         | 4.3  | 1         | 4.3 | 2         | 8.7  | 3          | 13.0 | 6           | 26.1 | 7         | 30.4 | 3                    | 13.0  |

. Indicates zero cases or zero percent

\* Reporting jurisdictions with fewer than 5 cases

California Department of Public Health, Tuberculosis Control Branch

**Table 21. Immigration Status\* of Foreign-born Tuberculosis Cases at First Entry into the United States: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction   | Foreign-born Cases with Information | Immigrant Visa |      | Student Visa |      | Employment Visa |      | Tourist Visa |     | Family/fiance Visa |      | Refugee |      | Asylee or Parolee |     | Other Immigration Status |       | Unknown |       |
|--------------------------|-------------------------------------|----------------|------|--------------|------|-----------------|------|--------------|-----|--------------------|------|---------|------|-------------------|-----|--------------------------|-------|---------|-------|
|                          |                                     | No.            | %    | No.          | %    | No.             | %    | No.          | %   | No.                | %    | No.     | %    | No.               | %   | No.                      | %     | No.     | %     |
| California               | 1658                                | 689            | 41.6 | 39           | 2.4  | 35              | 2.1  | 45           | 2.7 | 77                 | 4.6  | 68      | 4.1  | 9                 | 0.5 | 394                      | 23.8  | 302     | 18.2  |
| Alameda                  | 92                                  | 47             | 51.1 | 4            | 4.3  | 5               | 5.4  | 4            | 4.3 | 4                  | 4.3  | 10      | 10.9 | 1                 | 1.1 | 8                        | 8.7   | 9       | 9.8   |
| Berkeley                 | 1                                   | .              | .    | .            | .    | .               | .    | .            | .   | .                  | .    | .       | .    | .                 | .   | .                        | .     | 1       | 100.0 |
| Butte                    | 4                                   | .              | .    | .            | .    | .               | .    | .            | .   | .                  | .    | 3       | 75.0 | .                 | .   | .                        | .     | 1       | 25.0  |
| Contra Costa             | 42                                  | 19             | 45.2 | .            | .    | .               | .    | 3            | 7.1 | 3                  | 7.1  | 1       | 2.4  | 2                 | 4.8 | 12                       | 28.6  | 2       | 4.8   |
| El Dorado                | 2                                   | .              | .    | .            | .    | .               | .    | .            | .   | .                  | .    | 1       | 50.0 | .                 | .   | 1                        | 50.0  | .       | .     |
| Fresno                   | 36                                  | 3              | 8.3  | .            | .    | .               | .    | .            | .   | .                  | .    | 7       | 19.4 | .                 | .   | 25                       | 69.4  | 1       | 2.8   |
| Imperial                 | 29                                  | 1              | 3.4  | .            | .    | .               | .    | .            | .   | .                  | .    | .       | .    | .                 | .   | 27                       | 93.1  | 1       | 3.4   |
| Kern                     | 27                                  | 7              | 25.9 | 1            | 3.7  | 1               | 3.7  | 1            | 3.7 | 3                  | 11.1 | .       | .    | .                 | .   | 14                       | 51.9  | .       | .     |
| Long Beach               | 25                                  | 7              | 28.0 | .            | .    | .               | .    | 1            | 4.0 | .                  | .    | 4       | 16.0 | .                 | .   | 8                        | 32.0  | 5       | 20.0  |
| Los Angeles              | 459                                 | 122            | 26.6 | 3            | 0.7  | .               | .    | 6            | 1.3 | 5                  | 1.1  | 1       | 0.2  | .                 | .   | 99                       | 21.6  | 223     | 48.6  |
| Madera                   | 6                                   | .              | .    | .            | .    | .               | .    | .            | .   | .                  | .    | .       | .    | .                 | .   | 6                        | 100.0 | .       | .     |
| Marin                    | 2                                   | 1              | 50.0 | .            | .    | .               | .    | .            | .   | 1                  | 50.0 | .       | .    | .                 | .   | .                        | .     | .       | .     |
| Merced                   | 5                                   | .              | .    | .            | .    | .               | .    | .            | .   | .                  | .    | 1       | 20.0 | .                 | .   | 3                        | 60.0  | 1       | 20.0  |
| Monterey                 | 13                                  | 3              | 23.1 | .            | .    | .               | .    | .            | .   | 5                  | 38.5 | .       | .    | .                 | .   | 5                        | 38.5  | .       | .     |
| Orange                   | 165                                 | 115            | 69.7 | 5            | 3.0  | 2               | 1.2  | 8            | 4.8 | 4                  | 2.4  | 10      | 6.1  | 1                 | 0.6 | 17                       | 10.3  | 3       | 1.8   |
| Pasadena                 | 4                                   | 1              | 25.0 | 1            | 25.0 | .               | .    | .            | .   | .                  | .    | .       | .    | .                 | .   | 1                        | 25.0  | 1       | 25.0  |
| Riverside                | 42                                  | 14             | 33.3 | .            | .    | .               | .    | .            | .   | .                  | .    | .       | .    | .                 | .   | 1                        | 2.4   | 27      | 64.3  |
| Sacramento               | 52                                  | 50             | 96.2 | 1            | 1.9  | .               | .    | 1            | 1.9 | .                  | .    | .       | .    | .                 | .   | .                        | .     | .       | .     |
| San Bernardino           | 38                                  | 5              | 13.2 | .            | .    | .               | .    | .            | .   | .                  | .    | 1       | 2.6  | .                 | .   | 30                       | 78.9  | 2       | 5.3   |
| San Diego                | 152                                 | 107            | 70.4 | 4            | 2.6  | 2               | 1.3  | 6            | 3.9 | 3                  | 2.0  | 10      | 6.6  | 3                 | 2.0 | 12                       | 7.9   | 5       | 3.3   |
| San Francisco            | 102                                 | 79             | 77.5 | 4            | 3.9  | 3               | 2.9  | 2            | 2.0 | .                  | .    | 2       | 2.0  | .                 | .   | 12                       | 11.8  | .       | .     |
| San Joaquin              | 25                                  | 6              | 24.0 | 1            | 4.0  | 4               | 16.0 | 1            | 4.0 | 1                  | 4.0  | 5       | 20.0 | .                 | .   | 6                        | 24.0  | 1       | 4.0   |
| San Mateo                | 67                                  | 4              | 6.0  | 4            | 6.0  | 2               | 3.0  | 4            | 6.0 | 4                  | 6.0  | .       | .    | 1                 | 1.5 | 46                       | 68.7  | 2       | 3.0   |
| Santa Barbara            | 19                                  | 5              | 26.3 | 1            | 5.3  | 1               | 5.3  | 1            | 5.3 | 1                  | 5.3  | .       | .    | .                 | .   | 10                       | 52.6  | .       | .     |
| Santa Clara              | 143                                 | 58             | 40.6 | 8            | 5.6  | 8               | 5.6  | 4            | 2.8 | 38                 | 26.6 | 9       | 6.3  | .                 | .   | 17                       | 11.9  | 1       | 0.7   |
| Santa Cruz               | 3                                   | 1              | 33.3 | .            | .    | .               | .    | .            | .   | .                  | .    | .       | .    | .                 | .   | 2                        | 66.7  | .       | .     |
| Solano                   | 19                                  | 14             | 73.7 | .            | .    | .               | .    | .            | .   | 3                  | 15.8 | .       | .    | .                 | .   | 1                        | 5.3   | 1       | 5.3   |
| Sonoma                   | 3                                   | .              | .    | .            | .    | .               | .    | .            | .   | 1                  | 33.3 | .       | .    | .                 | .   | .                        | .     | 2       | 66.7  |
| Stanislaus               | 7                                   | 3              | 42.9 | 1            | 14.3 | .               | .    | .            | .   | .                  | .    | .       | .    | .                 | .   | .                        | .     | 3       | 42.9  |
| Tulare                   | 7                                   | 5              | 71.4 | .            | .    | .               | .    | .            | .   | .                  | .    | 1       | 14.3 | .                 | .   | .                        | .     | 1       | 14.3  |
| Ventura                  | 38                                  | 8              | 21.1 | 1            | 2.6  | 5               | 13.2 | 2            | 5.3 | .                  | .    | 1       | 2.6  | .                 | .   | 21                       | 55.3  | .       | .     |
| Yolo                     | 6                                   | 1              | 16.7 | .            | .    | 1               | 16.7 | .            | .   | .                  | .    | .       | .    | .                 | .   | 2                        | 33.3  | 2       | 33.3  |
| All Other Jurisdictions† | 23                                  | 3              | 13.0 | .            | .    | 1               | 4.3  | 1            | 4.3 | 1                  | 4.3  | 1       | 4.3  | 1                 | 4.3 | 8                        | 34.8  | 7       | 30.4  |

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

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

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

. Indicates zero cases or zero percent

† Reporting jurisdictions with fewer than 5 cases

California Department of Public Health, Tuberculosis Control Branch

**Table 22. Primary Reason Evaluated for Tuberculosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Cases | Cases with Information on Reason Evaluated |       | Primary Reason Evaluated for TB Disease* |       |                           |       |                       |      |                  |     |                    |     |                                   |      |                          |      |                       |      |   |
|------------------------|-------------|--|-------|--|-------|---------------------------|-------|-----------------------|------|------------------|-----|--------------------|-----|-----------------------------------|------|--------------------------|------|-----------------------|------|---|
|                        |             |  |       | TB Symptoms                              |       | Abnormal Chest Radiograph |       | Contact Investigation |      | Targeted Testing |     | Health Care Worker |     | Employment/Administrative Testing |      | Immigration Medical Exam |      | Incidental Lab Result |      |   |
|                        |             | No.  | %     | No.                                      | %     | No.                       | %     | No.                   | %    | No.              | %   | No.                | %   | No.                               | %    | No.                      | %    | No.                   | %    |   |
| California             | 2147        | 2134                                       | 99.4  | 1337                                     | 62.7  | 397                       | 18.6  | 60                    | 2.8  | 73               | 3.4 | 2                  | 0.1 | 16                                | 0.8  | 55                       | 2.6  | 194                   | 9.1  |   |
| Alameda                | 108         | 107  | 99.1  | 85                                       | 79.4  | 15                        | 14.0  | 1                     | 0.9  | 1                | 0.9 | .                  | .   | .                                 | .    | 4                        | 3.7  | 1                     | 0.9  |   |
| Alpine                 | .           | .  | .     | .  | .     | .                         | .     | .                     | .    | .                | .   | .                  | .   | .                                 | .    | .                        | .    | .                     | .    | . |
| Amador                 | .           | .  | .     | .  | .     | .                         | .     | .                     | .    | .                | .   | .                  | .   | .                                 | .    | .                        | .    | .                     | .    | . |
| Berkeley               | 5           | 5  | 100.0 | 1  | 20.0  | 4                         | 80.0  | .                     | .    | .                | .   | .                  | .   | .                                 | .    | .                        | .    | .                     | .    | . |
| Butte                  | 6           | 5  | 83.3  | 1  | 20.0  | 2                         | 40.0  | 1                     | 20.0 | .                | .   | .                  | .   | .                                 | .    | .                        | .    | 1                     | 20.0 |   |
| Calaveras              | 1           | .  | .     | .  | .     | .                         | .     | .                     | .    | .                | .   | .                  | .   | .                                 | .    | .                        | .    | .                     | .    | . |
| Colusa                 | .           | .  | .     | .  | .     | .                         | .     | .                     | .    | .                | .   | .                  | .   | .                                 | .    | .                        | .    | .                     | .    | . |
| Contra Costa           | 48          | 48   | 100.0 | 38                                       | 79.2  | 5                         | 10.4  | .                     | .    | 1                | 2.1 | .                  | .   | .                                 | .    | 2                        | 4.2  | 2                     | 4.2  |   |
| Del Norte              | .           | .  | .     | .  | .     | .                         | .     | .                     | .    | .                | .   | .                  | .   | .                                 | .    | .                        | .    | .                     | .    | . |
| El Dorado              | 5           | 5  | 100.0 | 2  | 40.0  | 2                         | 40.0  | .                     | .    | .                | .   | .                  | .   | .                                 | .    | 1                        | 20.0 | .                     | .    |   |
| Fresno                 | 51          | 50   | 98.0  | 35                                       | 70.0  | 9                         | 18.0  | 1                     | 2.0  | .                | .   | .                  | .   | .                                 | .    | 1                        | 2.0  | 4                     | 8.0  |   |
| Glenn                  | .           | .  | .     | .  | .     | .                         | .     | .                     | .    | .                | .   | .                  | .   | .                                 | .    | .                        | .    | .                     | .    | . |
| Humboldt               | 2           | 2  | 100.0 | 2  | 100.0 | .                         | .     | .                     | .    | .                | .   | .                  | .   | .                                 | .    | .                        | .    | .                     | .    | . |
| Imperial               | 37          | 37   | 100.0 | 8  | 21.6  | 27                        | 73.0  | .                     | .    | 1                | 2.7 | .                  | .   | 1                                 | 2.7  | .                        | .    | .                     | .    |   |
| Inyo                   | .           | .  | .     | .  | .     | .                         | .     | .                     | .    | .                | .   | .                  | .   | .                                 | .    | .                        | .    | .                     | .    | . |
| Kern                   | 40          | 40   | 100.0 | 26                                       | 65.0  | 9                         | 22.5  | 1                     | 2.5  | .                | .   | .                  | .   | .                                 | .    | .                        | .    | 4                     | 10.0 |   |
| Kings                  | 3           | 3  | 100.0 | 3  | 100.0 | .                         | .     | .                     | .    | .                | .   | .                  | .   | .                                 | .    | .                        | .    | .                     | .    | . |
| Lake                   | .           | .  | .     | .  | .     | .                         | .     | .                     | .    | .                | .   | .                  | .   | .                                 | .    | .                        | .    | .                     | .    | . |
| Lassen                 | .           | .  | .     | .  | .     | .                         | .     | .                     | .    | .                | .   | .                  | .   | .                                 | .    | .                        | .    | .                     | .    | . |
| Long Beach             | 30          | 30   | 100.0 | 9  | 30.0  | 12                        | 40.0  | 3                     | 10.0 | 1                | 3.3 | .                  | .   | .                                 | .    | .                        | .    | 5                     | 16.7 |   |
| Los Angeles            | 587         | 587  | 100.0 | 392                                      | 66.8  | 110                       | 18.7  | 9                     | 1.5  | 5                | 0.9 | .                  | .   | 3                                 | 0.5  | 12                       | 2.0  | 56                    | 9.5  |   |
| Madera                 | 8           | 8  | 100.0 | 3  | 37.5  | 3                         | 37.5  | .                     | .    | .                | .   | .                  | .   | .                                 | .    | .                        | .    | 2                     | 25.0 |   |
| Marin                  | 9           | 9  | 100.0 | 7  | 77.8  | 2                         | 22.2  | .                     | .    | .                | .   | .                  | .   | .                                 | .    | .                        | .    | .                     | .    | . |
| Mariposa               | .           | .  | .     | .  | .     | .                         | .     | .                     | .    | .                | .   | .                  | .   | .                                 | .    | .                        | .    | .                     | .    | . |
| Mendocino              | 1           | 1  | 100.0 | .  | .     | 1                         | 100.0 | .                     | .    | .                | .   | .                  | .   | .                                 | .    | .                        | .    | .                     | .    | . |
| Merced                 | 6           | 6  | 100.0 | 3  | 50.0  | 2                         | 33.3  | 1                     | 16.7 | .                | .   | .                  | .   | .                                 | .    | .                        | .    | .                     | .    | . |
| Modoc                  | .           | .  | .     | .  | .     | .                         | .     | .                     | .    | .                | .   | .                  | .   | .                                 | .    | .                        | .    | .                     | .    | . |
| Mono                   | .           | .  | .     | .  | .     | .                         | .     | .                     | .    | .                | .   | .                  | .   | .                                 | .    | .                        | .    | .                     | .    | . |
| Monterey               | 17          | 16   | 94.1  | 9  | 56.3  | 2                         | 12.5  | 1                     | 6.3  | .                | .   | .                  | .   | 2                                 | 12.5 | .                        | .    | 2                     | 12.5 |   |
| Napa                   | 3           | 3  | 100.0 | 3  | 100.0 | .                         | .     | .                     | .    | .                | .   | .                  | .   | .                                 | .    | .                        | .    | .                     | .    | . |
| Nevada                 | .           | .  | .     | .  | .     | .                         | .     | .                     | .    | .                | .   | .                  | .   | .                                 | .    | .                        | .    | .                     | .    | . |
| Orange                 | 187         | 187  | 100.0 | 121                                      | 64.7  | 38                        | 20.3  | 3                     | 1.6  | .                | .   | .                  | .   | .                                 | .    | 5                        | 2.7  | 20                    | 10.7 |   |

**Table 22. Primary Reason Evaluated for Tuberculosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Cases | Cases with Information on Reason Evaluated |       | Primary Reason Evaluated for TB Disease* |       |                           |      |                       |      |                  |       |                    |     |                                   |      |                          |      |                       |      |
|------------------------|-------------|--|-------|--|-------|---------------------------|------|-----------------------|------|------------------|-------|--------------------|-----|-----------------------------------|------|--------------------------|------|-----------------------|------|
|                        |             |  |       | TB Symptoms                              |       | Abnormal Chest Radiograph |      | Contact Investigation |      | Targeted Testing |       | Health Care Worker |     | Employment/Administrative Testing |      | Immigration Medical Exam |      | Incidental Lab Result |      |
|                        |             | No.  | %     | No.                                      | %     | No.                       | %    | No.                   | %    | No.              | %     | No.                | %   | No.                               | %    | No.                      | %    | No.                   | %    |
| Pasadena               | 5           | 5  | 100.0 | 5  | 100.0 | .                         | .    | .                     | .    | .                | .     | .                  | .   | .                                 | .    | .                        | .    | .                     | .    |
| Placer                 | 4           | 4  | 100.0 | 4  | 100.0 | .                         | .    | .                     | .    | .                | .     | .                  | .   | .                                 | .    | .                        | .    | .                     | .    |
| Plumas                 | .           | .  | .     | .  | .     | .                         | .    | .                     | .    | .                | .     | .                  | .   | .                                 | .    | .                        | .    | .                     | .    |
| Riverside              | 65          | 63   | 96.9  | 35                                       | 55.6  | 9                         | 14.3 | 2                     | 3.2  | .                | .     | .                  | .   | .                                 | .    | .                        | .    | 17                    | 27.0 |
| Sacramento             | 71          | 71   | 100.0 | 38                                       | 53.5  | 2                         | 2.8  | 11                    | 15.5 | 16               | 22.5  | .                  | .   | .                                 | .    | 3                        | 4.2  | 1                     | 1.4  |
| San Benito             | 2           | 2  | 100.0 | 2  | 100.0 | .                         | .    | .                     | .    | .                | .     | .                  | .   | .                                 | .    | .                        | .    | .                     | .    |
| San Bernardino         | 51          | 51   | 100.0 | 36                                       | 70.6  | 8                         | 15.7 | 2                     | 3.9  | 1                | 2.0   | .                  | .   | .                                 | .    | 1                        | 2.0  | 3                     | 5.9  |
| San Diego              | 220         | 220  | 100.0 | 126                                      | 57.3  | 26                        | 11.8 | 7                     | 3.2  | 21               | 9.5   | 1                  | 0.5 | 4                                 | 1.8  | 10                       | 4.5  | 25                    | 11.4 |
| San Francisco          | 114         | 114  | 100.0 | 90                                       | 78.9  | 14                        | 12.3 | 3                     | 2.6  | 1                | 0.9   | .                  | .   | 1                                 | 0.9  | 5                        | 4.4  | .                     | .    |
| San Joaquin            | 54          | 53   | 98.1  | 23                                       | 43.4  | 11                        | 20.8 | 5                     | 9.4  | 2                | 3.8   | .                  | .   | 1                                 | 1.9  | 1                        | 1.9  | 10                    | 18.9 |
| San Luis Obispo        | 3           | 3  | 100.0 | 2  | 66.7  | 1                         | 33.3 | .                     | .    | .                | .     | .                  | .   | .                                 | .    | .                        | .    | .                     | .    |
| San Mateo              | 74          | 74   | 100.0 | 39                                       | 52.7  | 18                        | 24.3 | 2                     | 2.7  | 11               | 14.9  | 1                  | 1.4 | .                                 | .    | .                        | .    | 3                     | 4.1  |
| Santa Barbara          | 29          | 29   | 100.0 | 13                                       | 44.8  | 6                         | 20.7 | 3                     | 10.3 | .                | .     | .                  | .   | .                                 | .    | .                        | .    | 7                     | 24.1 |
| Santa Clara            | 163         | 162  | 99.4  | 102                                      | 63.0  | 26                        | 16.0 | .                     | .    | 2                | 1.2   | .                  | .   | 2                                 | 1.2  | 7                        | 4.3  | 23                    | 14.2 |
| Santa Cruz             | 5           | 5  | 100.0 | 4  | 80.0  | .                         | .    | .                     | .    | .                | .     | .                  | .   | 1                                 | 20.0 | .                        | .    | .                     | .    |
| Shasta                 | 2           | 2  | 100.0 | 2  | 100.0 | .                         | .    | .                     | .    | .                | .     | .                  | .   | .                                 | .    | .                        | .    | .                     | .    |
| Sierra                 | .           | .  | .     | .  | .     | .                         | .    | .                     | .    | .                | .     | .                  | .   | .                                 | .    | .                        | .    | .                     | .    |
| Siskiyou               | 1           | 1  | 100.0 | .  | .     | .                         | .    | .                     | .    | 1                | 100.0 | .                  | .   | .                                 | .    | .                        | .    | .                     | .    |
| Solano                 | 24          | 24   | 100.0 | 12                                       | 50.0  | 7                         | 29.2 | .                     | .    | 1                | 4.2   | .                  | .   | 1                                 | 4.2  | .                        | .    | 3                     | 12.5 |
| Sonoma                 | 13          | 9  | 69.2  | 3  | 33.3  | 3                         | 33.3 | .                     | .    | 1                | 11.1  | .                  | .   | .                                 | .    | 1                        | 11.1 | 1                     | 11.1 |
| Stanislaus             | 13          | 13   | 100.0 | 10                                       | 76.9  | 1                         | 7.7  | 2                     | 15.4 | .                | .     | .                  | .   | .                                 | .    | .                        | .    | .                     | .    |
| Sutter                 | 2           | 2  | 100.0 | 2  | 100.0 | .                         | .    | .                     | .    | .                | .     | .                  | .   | .                                 | .    | .                        | .    | .                     | .    |
| Tehama                 | .           | .  | .     | .  | .     | .                         | .    | .                     | .    | .                | .     | .                  | .   | .                                 | .    | .                        | .    | .                     | .    |
| Trinity                | .           | .  | .     | .  | .     | .                         | .    | .                     | .    | .                | .     | .                  | .   | .                                 | .    | .                        | .    | .                     | .    |
| Tulare                 | 17          | 17   | 100.0 | 9  | 52.9  | 6                         | 35.3 | .                     | .    | .                | .     | .                  | .   | .                                 | .    | .                        | .    | 2                     | 11.8 |
| Tuolumne               | .           | .  | .     | .  | .     | .                         | .    | .                     | .    | .                | .     | .                  | .   | .                                 | .    | .                        | .    | .                     | .    |
| Ventura                | 51          | 51   | 100.0 | 27                                       | 52.9  | 11                        | 21.6 | 2                     | 3.9  | 7                | 13.7  | .                  | .   | .                                 | .    | 2                        | 3.9  | 2                     | 3.9  |
| Yolo                   | 8           | 8  | 100.0 | 4  | 50.0  | 4                         | 50.0 | .                     | .    | .                | .     | .                  | .   | .                                 | .    | .                        | .    | .                     | .    |
| Yuba                   | 2           | 2  | 100.0 | 1  | 50.0  | 1                         | 50.0 | .                     | .    | .                | .     | .                  | .   | .                                 | .    | .                        | .    | .                     | .    |

. Indicates zero cases or zero percent

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

California Department of Public Health, Tuberculosis Control Branch

**Table 23. Tuberculosis Cases by Form of Disease: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Cases | Pulmonary* |       | Extrapulmonary** |      | Both Pulmonary and Extrapulmonary |      | Unknown |      |
|------------------------|-------------|------------|-------|------------------|------|-----------------------------------|------|---------|------|
|                        |             | No.        | %     | No.              | %    | No.                               | %    | No.     | %    |
| California             | 2147        | 1456       | 67.3  | 445              | 20.6 | 243                               | 11.2 | 3       | 0.1  |
| Alameda                | 108         | 68         | 63.0  | 24               | 22.2 | 16                                | 14.8 | .       | .    |
| Alpine                 | .           | .          | .     | .                | .    | .                                 | .    | .       | .    |
| Amador                 | .           | .          | .     | .                | .    | .                                 | .    | .       | .    |
| Berkeley               | 5           | 3          | 60.0  | 2                | 40.0 | .                                 | .    | .       | .    |
| Butte                  | 6           | 3          | 50.0  | 3                | 50.0 | .                                 | .    | .       | .    |
| Calaveras              | 1           | 1          | 100.0 | .                | .    | .                                 | .    | .       | .    |
| Colusa                 | .           | .          | .     | .                | .    | .                                 | .    | .       | .    |
| Contra Costa           | 48          | 23         | 47.9  | 18               | 37.5 | 7                                 | 14.6 | .       | .    |
| Del Norte              | .           | .          | .     | .                | .    | .                                 | .    | .       | .    |
| El Dorado              | 5           | 4          | 80.0  | 1                | 20.0 | .                                 | .    | .       | .    |
| Fresno                 | 51          | 39         | 76.5  | 7                | 13.7 | 5                                 | 9.8  | .       | .    |
| Glenn                  | .           | .          | .     | .                | .    | .                                 | .    | .       | .    |
| Humboldt               | 2           | 1          | 50.0  | .                | .    | 1                                 | 50.0 | .       | .    |
| Imperial               | 37          | 31         | 83.8  | 4                | 10.8 | 2                                 | 5.4  | .       | .    |
| Inyo                   | .           | .          | .     | .                | .    | .                                 | .    | .       | .    |
| Kern                   | 40          | 23         | 57.5  | 11               | 27.5 | 6                                 | 15.0 | .       | .    |
| Kings                  | 3           | 3          | 100.0 | .                | .    | .                                 | .    | .       | .    |
| Lake                   | .           | .          | .     | .                | .    | .                                 | .    | .       | .    |
| Lassen                 | .           | .          | .     | .                | .    | .                                 | .    | .       | .    |
| Long Beach             | 30          | 18         | 60.0  | 10               | 33.3 | 2                                 | 6.7  | .       | .    |
| Los Angeles            | 587         | 395        | 67.3  | 132              | 22.5 | 60                                | 10.2 | .       | .    |
| Madera                 | 8           | 7          | 87.5  | 1                | 12.5 | .                                 | .    | .       | .    |
| Marin                  | 9           | 4          | 44.4  | 3                | 33.3 | 2                                 | 22.2 | .       | .    |
| Mariposa               | .           | .          | .     | .                | .    | .                                 | .    | .       | .    |
| Mendocino              | 1           | 1          | 100.0 | .                | .    | .                                 | .    | .       | .    |
| Merced                 | 6           | 4          | 66.7  | 1                | 16.7 | 1                                 | 16.7 | .       | .    |
| Modoc                  | .           | .          | .     | .                | .    | .                                 | .    | .       | .    |
| Mono                   | .           | .          | .     | .                | .    | .                                 | .    | .       | .    |
| Monterey               | 17          | 11         | 64.7  | 2                | 11.8 | 4                                 | 23.5 | .       | .    |
| Napa                   | 3           | 2          | 66.7  | 1                | 33.3 | .                                 | .    | .       | .    |
| Nevada                 | .           | .          | .     | .                | .    | .                                 | .    | .       | .    |
| Orange                 | 187         | 134        | 71.7  | 37               | 19.8 | 16                                | 8.6  | .       | .    |
| Pasadena               | 5           | 1          | 20.0  | 2                | 40.0 | 1                                 | 20.0 | 1       | 20.0 |
| Placer                 | 4           | 2          | 50.0  | 1                | 25.0 | 1                                 | 25.0 | .       | .    |
| Plumas                 | .           | .          | .     | .                | .    | .                                 | .    | .       | .    |
| Riverside              | 65          | 44         | 67.7  | 16               | 24.6 | 5                                 | 7.7  | .       | .    |
| Sacramento             | 71          | 57         | 80.3  | 5                | 7.0  | 9                                 | 12.7 | .       | .    |
| San Benito             | 2           | 1          | 50.0  | .                | .    | .                                 | .    | 1       | 50.0 |
| San Bernardino         | 51          | 43         | 84.3  | 7                | 13.7 | 1                                 | 2.0  | .       | .    |
| San Diego              | 220         | 150        | 68.2  | 35               | 15.9 | 35                                | 15.9 | .       | .    |
| San Francisco          | 114         | 71         | 62.3  | 24               | 21.1 | 19                                | 16.7 | .       | .    |
| San Joaquin            | 54          | 40         | 74.1  | 8                | 14.8 | 6                                 | 11.1 | .       | .    |
| San Luis Obispo        | 3           | 2          | 66.7  | 1                | 33.3 | .                                 | .    | .       | .    |
| San Mateo              | 74          | 55         | 74.3  | 12               | 16.2 | 7                                 | 9.5  | .       | .    |
| Santa Barbara          | 29          | 21         | 72.4  | 5                | 17.2 | 3                                 | 10.3 | .       | .    |
| Santa Clara            | 163         | 104        | 63.8  | 44               | 27.0 | 15                                | 9.2  | .       | .    |
| Santa Cruz             | 5           | 2          | 40.0  | 1                | 20.0 | 2                                 | 40.0 | .       | .    |
| Shasta                 | 2           | 2          | 100.0 | .                | .    | .                                 | .    | .       | .    |

**Table 23. Tuberculosis Cases by Form of Disease: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Cases | Pulmonary* |      | Extrapulmonary** |       | Both Pulmonary and Extrapulmonary |      | Unknown |     |
|------------------------|-------------|------------|------|------------------|-------|-----------------------------------|------|---------|-----|
|                        |             | No.        | %    | No.              | %     | No.                               | %    | No.     | %   |
| Sierra                 | .           | .          | .    | .                | .     | .                                 | .    | .       | .   |
| Siskiyou               | 1           | .          | .    | 1                | 100.0 | .                                 | .    | .       | .   |
| Solano                 | 24          | 19         | 79.2 | 4                | 16.7  | 1                                 | 4.2  | .       | .   |
| Sonoma                 | 13          | 6          | 46.2 | 5                | 38.5  | 1                                 | 7.7  | 1       | 7.7 |
| Stanislaus             | 13          | 9          | 69.2 | 4                | 30.8  | .                                 | .    | .       | .   |
| Sutter                 | 2           | 1          | 50.0 | 1                | 50.0  | .                                 | .    | .       | .   |
| Tehama                 | .           | .          | .    | .                | .     | .                                 | .    | .       | .   |
| Trinity                | .           | .          | .    | .                | .     | .                                 | .    | .       | .   |
| Tulare                 | 17          | 6          | 35.3 | 2                | 11.8  | 9                                 | 52.9 | .       | .   |
| Tuolumne               | .           | .          | .    | .                | .     | .                                 | .    | .       | .   |
| Ventura                | 51          | 38         | 74.5 | 8                | 15.7  | 5                                 | 9.8  | .       | .   |
| Yolo                   | 8           | 6          | 75.0 | 1                | 12.5  | 1                                 | 12.5 | .       | .   |
| Yuba                   | 2           | 1          | 50.0 | 1                | 50.0  | .                                 | .    | .       | .   |

. Indicates zero cases or zero percent

\* Cases with only pulmonary site of disease

\*\* Cases with pleural, lymphatic, bone and/or joint, meningeal, peritoneal, or other site of disease, no cases of pulmonary disease are included  
 California Department of Public Health, Tuberculosis Control Branch

**Table 24. Verification Criteria\* by Diagnostic Classification of Tuberculosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Cases | Laboratory Confirmation of TB |       |                 |      |                |     | Clinical Confirmation of TB |      |                    |      |
|------------------------|-------------|-------------------------------|-------|-----------------|------|----------------|-----|-----------------------------|------|--------------------|------|
|                        |             | Positive Culture              |       | Positive NAAT** |      | Positive Smear |     | Clinical Case               |      | Provider Diagnosis |      |
|                        |             | No.                           | %     | No.             | %    | No.            | %   | No.                         | %    | No.                | %    |
| California             | 2147        | 1719                          | 79.4  | 35              | 1.6  | 4              | 0.2 | 293                         | 13.5 | 96                 | 4.4  |
| Alameda                | 108         | 79                            | 73.1  | 1               | 0.9  | .              | .   | 22                          | 20.4 | 6                  | 5.6  |
| Alpine                 | .           | .                             | .     | .               | .    | .              | .   | .                           | .    | .                  | .    |
| Amador                 | .           | .                             | .     | .               | .    | .              | .   | .                           | .    | .                  | .    |
| Berkeley               | 5           | 2                             | 40.0  | .               | .    | .              | .   | 3                           | 60.0 | .                  | .    |
| Butte                  | 6           | 4                             | 66.7  | 1               | 16.7 | .              | .   | 1                           | 16.7 | .                  | .    |
| Calaveras              | 1           | 1                             | 100.0 | .               | .    | .              | .   | .                           | .    | .                  | .    |
| Colusa                 | .           | .                             | .     | .               | .    | .              | .   | .                           | .    | .                  | .    |
| Contra Costa           | 48          | 39                            | 81.3  | .               | .    | .              | .   | 6                           | 12.5 | 3                  | 6.3  |
| Del Norte              | .           | .                             | .     | .               | .    | .              | .   | .                           | .    | .                  | .    |
| El Dorado              | 5           | 2                             | 40.0  | 1               | 20.0 | .              | .   | 1                           | 20.0 | 1                  | 20.0 |
| Fresno                 | 51          | 47                            | 92.2  | .               | .    | .              | .   | 4                           | 7.8  | .                  | .    |
| Glenn                  | .           | .                             | .     | .               | .    | .              | .   | .                           | .    | .                  | .    |
| Humboldt               | 2           | 2                             | 100.0 | .               | .    | .              | .   | .                           | .    | .                  | .    |
| Imperial               | 37          | 27                            | 73.0  | 1               | 2.7  | .              | .   | 6                           | 16.2 | 3                  | 8.1  |
| Inyo                   | .           | .                             | .     | .               | .    | .              | .   | .                           | .    | .                  | .    |
| Kern                   | 40          | 33                            | 82.5  | .               | .    | .              | .   | 4                           | 10.0 | 3                  | 7.5  |
| Kings                  | 3           | 3                             | 100.0 | .               | .    | .              | .   | .                           | .    | .                  | .    |
| Lake                   | .           | .                             | .     | .               | .    | .              | .   | .                           | .    | .                  | .    |
| Lassen                 | .           | .                             | .     | .               | .    | .              | .   | .                           | .    | .                  | .    |
| Long Beach             | 30          | 22                            | 73.3  | 1               | 3.3  | .              | .   | 6                           | 20.0 | 1                  | 3.3  |
| Los Angeles            | 587         | 474                           | 80.8  | 8               | 1.4  | 1              | 0.2 | 89                          | 15.2 | 15                 | 2.6  |
| Madera                 | 8           | 8                             | 100.0 | .               | .    | .              | .   | .                           | .    | .                  | .    |
| Marin                  | 9           | 5                             | 55.6  | 1               | 11.1 | .              | .   | 1                           | 11.1 | 2                  | 22.2 |
| Mariposa               | .           | .                             | .     | .               | .    | .              | .   | .                           | .    | .                  | .    |
| Mendocino              | 1           | 1                             | 100.0 | .               | .    | .              | .   | .                           | .    | .                  | .    |
| Merced                 | 6           | 4                             | 66.7  | .               | .    | .              | .   | 1                           | 16.7 | 1                  | 16.7 |
| Modoc                  | .           | .                             | .     | .               | .    | .              | .   | .                           | .    | .                  | .    |
| Mono                   | .           | .                             | .     | .               | .    | .              | .   | .                           | .    | .                  | .    |
| Monterey               | 17          | 14                            | 82.4  | .               | .    | .              | .   | .                           | .    | 3                  | 17.6 |
| Napa                   | 3           | 3                             | 100.0 | .               | .    | .              | .   | .                           | .    | .                  | .    |
| Nevada                 | .           | .                             | .     | .               | .    | .              | .   | .                           | .    | .                  | .    |
| Orange                 | 187         | 165                           | 88.2  | 3               | 1.6  | .              | .   | 15                          | 8.0  | 4                  | 2.1  |
| Pasadena               | 5           | 3                             | 60.0  | .               | .    | .              | .   | 1                           | 20.0 | 1                  | 20.0 |
| Placer                 | 4           | 2                             | 50.0  | 2               | 50.0 | .              | .   | .                           | .    | .                  | .    |
| Plumas                 | .           | .                             | .     | .               | .    | .              | .   | .                           | .    | .                  | .    |
| Riverside              | 65          | 57                            | 87.7  | .               | .    | .              | .   | 8                           | 12.3 | .                  | .    |
| Sacramento             | 71          | 59                            | 83.1  | .               | .    | .              | .   | 10                          | 14.1 | 2                  | 2.8  |
| San Benito             | 2           | 1                             | 50.0  | .               | .    | .              | .   | .                           | .    | 1                  | 50.0 |
| San Bernardino         | 51          | 34                            | 66.7  | 5               | 9.8  | .              | .   | 8                           | 15.7 | 4                  | 7.8  |
| San Diego              | 220         | 187                           | 85.0  | 1               | 0.5  | .              | .   | 24                          | 10.9 | 8                  | 3.6  |
| San Francisco          | 114         | 93                            | 81.6  | 2               | 1.8  | .              | .   | 16                          | 14.0 | 3                  | 2.6  |
| San Joaquin            | 54          | 38                            | 70.4  | .               | .    | 1              | 1.9 | 12                          | 22.2 | 3                  | 5.6  |
| San Luis Obispo        | 3           | 2                             | 66.7  | .               | .    | .              | .   | 1                           | 33.3 | .                  | .    |
| San Mateo              | 74          | 57                            | 77.0  | .               | .    | .              | .   | 9                           | 12.2 | 8                  | 10.8 |
| Santa Barbara          | 29          | 26                            | 89.7  | .               | .    | .              | .   | 3                           | 10.3 | .                  | .    |
| Santa Clara            | 163         | 133                           | 81.6  | 4               | 2.5  | .              | .   | 15                          | 9.2  | 11                 | 6.7  |
| Santa Cruz             | 5           | 4                             | 80.0  | .               | .    | .              | .   | 1                           | 20.0 | .                  | .    |

**Table 24. Verification Criteria\* by Diagnostic Classification of Tuberculosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Cases | Laboratory Confirmation of TB |       |                 |      |                |     | Clinical Confirmation of TB |       |                    |      |
|------------------------|-------------|-------------------------------|-------|-----------------|------|----------------|-----|-----------------------------|-------|--------------------|------|
|                        |             | Positive Culture              |       | Positive NAAT** |      | Positive Smear |     | Clinical Case               |       | Provider Diagnosis |      |
|                        |             | No.                           | %     | No.             | %    | No.            | %   | No.                         | %     | No.                | %    |
| Shasta                 | 2           | 2                             | 100.0 | .               | .    | .              | .   | .                           | .     | .                  | .    |
| Sierra                 | .           | .                             | .     | .               | .    | .              | .   | .                           | .     | .                  | .    |
| Siskiyou               | 1           | .                             | .     | .               | .    | .              | .   | 1                           | 100.0 | .                  | .    |
| Solano                 | 24          | 19                            | 79.2  | 2               | 8.3  | 1              | 4.2 | 2                           | 8.3   | .                  | .    |
| Sonoma                 | 13          | 9                             | 69.2  | 1               | 7.7  | .              | .   | .                           | .     | 3                  | 23.1 |
| Stanislaus             | 13          | 10                            | 76.9  | .               | .    | .              | .   | 3                           | 23.1  | .                  | .    |
| Sutter                 | 2           | 1                             | 50.0  | .               | .    | .              | .   | .                           | .     | 1                  | 50.0 |
| Tehama                 | .           | .                             | .     | .               | .    | .              | .   | .                           | .     | .                  | .    |
| Trinity                | .           | .                             | .     | .               | .    | .              | .   | .                           | .     | .                  | .    |
| Tulare                 | 17          | 11                            | 64.7  | .               | .    | .              | .   | 6                           | 35.3  | .                  | .    |
| Tuolumne               | .           | .                             | .     | .               | .    | .              | .   | .                           | .     | .                  | .    |
| Ventura                | 51          | 28                            | 54.9  | .               | .    | 1              | 2.0 | 13                          | 25.5  | 9                  | 17.6 |
| Yolo                   | 8           | 6                             | 75.0  | 1               | 12.5 | .              | .   | 1                           | 12.5  | .                  | .    |
| Yuba                   | 2           | 2                             | 100.0 | .               | .    | .              | .   | .                           | .     | .                  | .    |

. Indicates zero cases or zero percent

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

\*\* NAAT=Nucleic Acid Amplification Test

California Department of Public Health, Tuberculosis Control Branch

**Table 25. Tuberculosis Cases by Sputum Smear Status: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Pulmonary Cases | Sputum Smear Positive |       | Sputum Smear Negative |       | Sputum Smear Not Done |      | Sputum Smear Unknown |     |
|------------------------|-----------------------|-----------------------|-------|-----------------------|-------|-----------------------|------|----------------------|-----|
|                        |                       | No.                   | %     | No.                   | %     | No.                   | %    | No.                  | %   |
| California             | 1699                  | 900                   | 53.0  | 692                   | 40.7  | 102                   | 6.0  | 5                    | 0.3 |
| Alameda                | 84                    | 37                    | 44.0  | 41                    | 48.8  | 6                     | 7.1  | .                    | .   |
| Alpine                 | .                     | .                     | .     | .                     | .     | .                     | .    | .                    | .   |
| Amador                 | .                     | .                     | .     | .                     | .     | .                     | .    | .                    | .   |
| Berkeley               | 3                     | 1                     | 33.3  | 2                     | 66.7  | .                     | .    | .                    | .   |
| Butte                  | 3                     | 3                     | 100.0 | .                     | .     | .                     | .    | .                    | .   |
| Calaveras              | 1                     | .                     | .     | 1                     | 100.0 | .                     | .    | .                    | .   |
| Colusa                 | .                     | .                     | .     | .                     | .     | .                     | .    | .                    | .   |
| Contra Costa           | 30                    | 10                    | 33.3  | 17                    | 56.7  | 3                     | 10.0 | .                    | .   |
| Del Norte              | .                     | .                     | .     | .                     | .     | .                     | .    | .                    | .   |
| El Dorado              | 4                     | 1                     | 25.0  | 3                     | 75.0  | .                     | .    | .                    | .   |
| Fresno                 | 44                    | 21                    | 47.7  | 18                    | 40.9  | 4                     | 9.1  | 1                    | 2.3 |
| Glenn                  | .                     | .                     | .     | .                     | .     | .                     | .    | .                    | .   |
| Humboldt               | 2                     | 2                     | 100.0 | .                     | .     | .                     | .    | .                    | .   |
| Imperial               | 33                    | 12                    | 36.4  | 19                    | 57.6  | 2                     | 6.1  | .                    | .   |
| Inyo                   | .                     | .                     | .     | .                     | .     | .                     | .    | .                    | .   |
| Kern                   | 29                    | 13                    | 44.8  | 13                    | 44.8  | 3                     | 10.3 | .                    | .   |
| Kings                  | 3                     | 2                     | 66.7  | 1                     | 33.3  | .                     | .    | .                    | .   |
| Lake                   | .                     | .                     | .     | .                     | .     | .                     | .    | .                    | .   |
| Lassen                 | .                     | .                     | .     | .                     | .     | .                     | .    | .                    | .   |
| Long Beach             | 20                    | 10                    | 50.0  | 10                    | 50.0  | .                     | .    | .                    | .   |
| Los Angeles            | 455                   | 278                   | 61.1  | 155                   | 34.1  | 22                    | 4.8  | .                    | .   |
| Madera                 | 7                     | 5                     | 71.4  | 1                     | 14.3  | 1                     | 14.3 | .                    | .   |
| Marin                  | 6                     | 1                     | 16.7  | 5                     | 83.3  | .                     | .    | .                    | .   |
| Mariposa               | .                     | .                     | .     | .                     | .     | .                     | .    | .                    | .   |
| Mendocino              | 1                     | .                     | .     | 1                     | 100.0 | .                     | .    | .                    | .   |
| Merced                 | 5                     | 4                     | 80.0  | 1                     | 20.0  | .                     | .    | .                    | .   |
| Modoc                  | .                     | .                     | .     | .                     | .     | .                     | .    | .                    | .   |
| Mono                   | .                     | .                     | .     | .                     | .     | .                     | .    | .                    | .   |
| Monterey               | 15                    | 9                     | 60.0  | 4                     | 26.7  | 2                     | 13.3 | .                    | .   |
| Napa                   | 2                     | 2                     | 100.0 | .                     | .     | .                     | .    | .                    | .   |
| Nevada                 | .                     | .                     | .     | .                     | .     | .                     | .    | .                    | .   |
| Orange                 | 150                   | 99                    | 66.0  | 45                    | 30.0  | 6                     | 4.0  | .                    | .   |
| Pasadena               | 2                     | 2                     | 100.0 | .                     | .     | .                     | .    | .                    | .   |
| Placer                 | 3                     | 1                     | 33.3  | 2                     | 66.7  | .                     | .    | .                    | .   |
| Plumas                 | .                     | .                     | .     | .                     | .     | .                     | .    | .                    | .   |
| Riverside              | 49                    | 29                    | 59.2  | 15                    | 30.6  | 2                     | 4.1  | 3                    | 6.1 |
| Sacramento             | 66                    | 37                    | 56.1  | 27                    | 40.9  | 2                     | 3.0  | .                    | .   |
| San Benito             | 1                     | 1                     | 100.0 | .                     | .     | .                     | .    | .                    | .   |
| San Bernardino         | 44                    | 16                    | 36.4  | 20                    | 45.5  | 8                     | 18.2 | .                    | .   |
| San Diego              | 185                   | 92                    | 49.7  | 84                    | 45.4  | 9                     | 4.9  | .                    | .   |
| San Francisco          | 90                    | 52                    | 57.8  | 37                    | 41.1  | 1                     | 1.1  | .                    | .   |
| San Joaquin            | 46                    | 17                    | 37.0  | 18                    | 39.1  | 10                    | 21.7 | 1                    | 2.2 |
| San Luis Obispo        | 2                     | 2                     | 100.0 | .                     | .     | .                     | .    | .                    | .   |
| San Mateo              | 62                    | 26                    | 41.9  | 31                    | 50.0  | 5                     | 8.1  | .                    | .   |
| Santa Barbara          | 24                    | 14                    | 58.3  | 8                     | 33.3  | 2                     | 8.3  | .                    | .   |
| Santa Clara            | 119                   | 58                    | 48.7  | 54                    | 45.4  | 7                     | 5.9  | .                    | .   |

**Table 25. Tuberculosis Cases by Sputum Smear Status: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Pulmonary Cases | Sputum Smear Positive |       | Sputum Smear Negative |       | Sputum Smear Not Done |      | Sputum Smear Unknown |   |
|------------------------|-----------------------|-----------------------|-------|-----------------------|-------|-----------------------|------|----------------------|---|
|                        |                       | No.                   | %     | No.                   | %     | No.                   | %    | No.                  | % |
| Santa Cruz             | 4                     | 1                     | 25.0  | 3                     | 75.0  | .                     | .    | .                    | . |
| Shasta                 | 2                     | 2                     | 100.0 | .                     | .     | .                     | .    | .                    | . |
| Sierra                 | .                     | .                     | .     | .                     | .     | .                     | .    | .                    | . |
| Siskiyou               | .                     | .                     | .     | .                     | .     | .                     | .    | .                    | . |
| Solano                 | 20                    | 7                     | 35.0  | 12                    | 60.0  | 1                     | 5.0  | .                    | . |
| Sonoma                 | 7                     | 1                     | 14.3  | 6                     | 85.7  | .                     | .    | .                    | . |
| Stanislaus             | 9                     | 5                     | 55.6  | 1                     | 11.1  | 3                     | 33.3 | .                    | . |
| Sutter                 | 1                     | .                     | .     | 1                     | 100.0 | .                     | .    | .                    | . |
| Tehama                 | .                     | .                     | .     | .                     | .     | .                     | .    | .                    | . |
| Trinity                | .                     | .                     | .     | .                     | .     | .                     | .    | .                    | . |
| Tulare                 | 15                    | 4                     | 26.7  | 9                     | 60.0  | 2                     | 13.3 | .                    | . |
| Tuolumne               | .                     | .                     | .     | .                     | .     | .                     | .    | .                    | . |
| Ventura                | 43                    | 17                    | 39.5  | 25                    | 58.1  | 1                     | 2.3  | .                    | . |
| Yolo                   | 7                     | 5                     | 71.4  | 2                     | 28.6  | .                     | .    | .                    | . |
| Yuba                   | 1                     | 1                     | 100.0 | .                     | .     | .                     | .    | .                    | . |

. Indicates zero cases or zero percent

California Department of Public Health, Tuberculosis Control Branch

**Table 26. Nucleic Acid Amplification Test (NAAT) Results at the Time of Diagnosis:  
Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Cases | NAAT Test Done |       | Positive Test Results |       |
|------------------------|-------------|----------------|-------|-----------------------|-------|
|                        |             | No.            | %     | No.                   | %     |
| California             | 2147        | 1195           | 55.7  | 913                   | 76.4  |
| Alameda                | 108         | 45             | 41.7  | 36                    | 80.0  |
| Alpine                 | .           | .              | .     | .                     | .     |
| Amador                 | .           | .              | .     | .                     | .     |
| Berkeley               | 5           | 3              | 60.0  | 1                     | 33.3  |
| Butte                  | 6           | 5              | 83.3  | 3                     | 60.0  |
| Calaveras              | 1           | .              | .     | .                     | .     |
| Colusa                 | .           | .              | .     | .                     | .     |
| Contra Costa           | 48          | 27             | 56.3  | 17                    | 63.0  |
| Del Norte              | .           | .              | .     | .                     | .     |
| El Dorado              | 5           | 3              | 60.0  | 3                     | 100.0 |
| Fresno                 | 51          | 19             | 37.3  | 19                    | 100.0 |
| Glenn                  | .           | .              | .     | .                     | .     |
| Humboldt               | 2           | 2              | 100.0 | 2                     | 100.0 |
| Imperial               | 37          | 18             | 48.6  | 13                    | 72.2  |
| Inyo                   | .           | .              | .     | .                     | .     |
| Kern                   | 40          | 17             | 42.5  | 15                    | 88.2  |
| Kings                  | 3           | 1              | 33.3  | 1                     | 100.0 |
| Lake                   | .           | .              | .     | .                     | .     |
| Lassen                 | .           | .              | .     | .                     | .     |
| Long Beach             | 30          | 12             | 40.0  | 9                     | 75.0  |
| Los Angeles            | 587         | 359            | 61.2  | 237                   | 66.0  |
| Madera                 | 8           | 1              | 12.5  | .                     | .     |
| Marin                  | 9           | 5              | 55.6  | 4                     | 80.0  |
| Mariposa               | .           | .              | .     | .                     | .     |
| Mendocino              | 1           | 1              | 100.0 | 1                     | 100.0 |
| Merced                 | 6           | 2              | 33.3  | 2                     | 100.0 |
| Modoc                  | .           | .              | .     | .                     | .     |
| Mono                   | .           | .              | .     | .                     | .     |
| Monterey               | 17          | 14             | 82.4  | 12                    | 85.7  |
| Napa                   | 3           | .              | .     | .                     | .     |
| Nevada                 | .           | .              | .     | .                     | .     |
| Orange                 | 187         | 121            | 64.7  | 105                   | 86.8  |
| Pasadena               | 5           | 2              | 40.0  | 2                     | 100.0 |
| Placer                 | 4           | 2              | 50.0  | 2                     | 100.0 |
| Plumas                 | .           | .              | .     | .                     | .     |
| Riverside              | 65          | 30             | 46.2  | 29                    | 96.7  |
| Sacramento             | 71          | 46             | 64.8  | 41                    | 89.1  |
| San Benito             | 2           | 1              | 50.0  | 1                     | 100.0 |
| San Bernardino         | 51          | 37             | 72.5  | 32                    | 86.5  |
| San Diego              | 220         | 159            | 72.3  | 127                   | 79.9  |
| San Francisco          | 114         | 81             | 71.1  | 53                    | 65.4  |
| San Joaquin            | 54          | 28             | 51.9  | 23                    | 82.1  |
| San Luis Obispo        | 3           | 2              | 66.7  | 2                     | 100.0 |
| San Mateo              | 74          | 37             | 50.0  | 29                    | 78.4  |
| Santa Barbara          | 29          | 20             | 69.0  | 15                    | 75.0  |
| Santa Clara            | 163         | 43             | 26.4  | 32                    | 74.4  |
| Santa Cruz             | 5           | 2              | 40.0  | 2                     | 100.0 |
| Shasta                 | 2           | 2              | 100.0 | 2                     | 100.0 |

**Table 26. Nucleic Acid Amplification Test (NAAT) Results at the Time of Diagnosis:  
Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Cases | NAAT Test Done |       | Positive Test Results |       |
|------------------------|-------------|----------------|-------|-----------------------|-------|
|                        |             | No.            | %     | No.                   | %     |
| Sierra                 | .           | .              | .     | .                     | .     |
| Siskiyou               | 1           | .              | .     | .                     | .     |
| Solano                 | 24          | 20             | 83.3  | 19                    | 95.0  |
| Sonoma                 | 13          | 10             | 76.9  | 10                    | 100.0 |
| Stanislaus             | 13          | 2              | 15.4  | 2                     | 100.0 |
| Sutter                 | 2           | 2              | 100.0 | 1                     | 50.0  |
| Tehama                 | .           | .              | .     | .                     | .     |
| Trinity                | .           | .              | .     | .                     | .     |
| Tulare                 | 17          | 6              | 35.3  | 2                     | 33.3  |
| Tuolumne               | .           | .              | .     | .                     | .     |
| Ventura                | 51          | .              | .     | .                     | .     |
| Yolo                   | 8           | 7              | 87.5  | 6                     | 85.7  |
| Yuba                   | 2           | 1              | 50.0  | 1                     | 100.0 |

. Indicates zero cases or zero percent

California Department of Public Health, Tuberculosis Control Branch

**Table 27. Tuberculosis Cases by Chest X-ray (CXR) Status: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Pulmonary Cases | CXR Done | Abnormal CXR, Consistent with TB |      |                |       |        |       |         |      |
|------------------------|-----------------------|----------|----------------------------------|------|----------------|-------|--------|-------|---------|------|
|                        |                       |          | Normal CXR                       |      | Total Abnormal |       | Cavity |       | Miliary |      |
|                        |                       |          | No.                              | %    | No.            | %     | No.    | %     | No.     | %    |
| California             | 1699                  | 1663     | 52                               | 3.1  | 1611           | 96.9  | 330    | 20.5  | 35      | 2.2  |
| Alameda                | 84                    | 81       | 4                                | 4.9  | 77             | 95.1  | 15     | 19.5  | 1       | 1.3  |
| Alpine                 | .                     | .        | .                                | .    | .              | .     | .      | .     | .       | .    |
| Amador                 | .                     | .        | .                                | .    | .              | .     | .      | .     | .       | .    |
| Berkeley               | 3                     | 3        | .                                | .    | 3              | 100.0 | 2      | 66.7  | .       | .    |
| Butte                  | 3                     | 3        | .                                | .    | 3              | 100.0 | 2      | 66.7  | .       | .    |
| Calaveras              | 1                     | .        | .                                | .    | .              | .     | .      | .     | .       | .    |
| Colusa                 | .                     | .        | .                                | .    | .              | .     | .      | .     | .       | .    |
| Contra Costa           | 30                    | 30       | 1                                | 3.3  | 29             | 96.7  | 6      | 20.7  | 1       | 3.4  |
| Del Norte              | .                     | .        | .                                | .    | .              | .     | .      | .     | .       | .    |
| El Dorado              | 4                     | 4        | .                                | .    | 4              | 100.0 | 2      | 50.0  | .       | .    |
| Fresno                 | 44                    | 43       | 2                                | 4.7  | 41             | 95.3  | 10     | 24.4  | 2       | 4.9  |
| Glenn                  | .                     | .        | .                                | .    | .              | .     | .      | .     | .       | .    |
| Humboldt               | 2                     | 2        | .                                | .    | 2              | 100.0 | 1      | 50.0  | .       | .    |
| Imperial               | 33                    | 33       | .                                | .    | 33             | 100.0 | 7      | 21.2  | .       | .    |
| Inyo                   | .                     | .        | .                                | .    | .              | .     | .      | .     | .       | .    |
| Kern                   | 29                    | 29       | .                                | .    | 29             | 100.0 | 7      | 24.1  | 1       | 3.4  |
| Kings                  | 3                     | 3        | .                                | .    | 3              | 100.0 | 1      | 33.3  | .       | .    |
| Lake                   | .                     | .        | .                                | .    | .              | .     | .      | .     | .       | .    |
| Lassen                 | .                     | .        | .                                | .    | .              | .     | .      | .     | .       | .    |
| Long Beach             | 20                    | 20       | .                                | .    | 20             | 100.0 | 4      | 20.0  | 1       | 5.0  |
| Los Angeles            | 455                   | 453      | 9                                | 2.0  | 444            | 98.0  | 102    | 23.0  | 9       | 2.0  |
| Madera                 | 7                     | 7        | .                                | .    | 7              | 100.0 | 5      | 71.4  | .       | .    |
| Marin                  | 6                     | 5        | 2                                | 40.0 | 3              | 60.0  | .      | .     | .       | .    |
| Mariposa               | .                     | .        | .                                | .    | .              | .     | .      | .     | .       | .    |
| Mendocino              | 1                     | .        | .                                | .    | .              | .     | .      | .     | .       | .    |
| Merced                 | 5                     | 5        | 1                                | 20.0 | 4              | 80.0  | 1      | 25.0  | .       | .    |
| Modoc                  | .                     | .        | .                                | .    | .              | .     | .      | .     | .       | .    |
| Mono                   | .                     | .        | .                                | .    | .              | .     | .      | .     | .       | .    |
| Monterey               | 15                    | 15       | .                                | .    | 15             | 100.0 | 1      | 6.7   | .       | .    |
| Napa                   | 2                     | 2        | .                                | .    | 2              | 100.0 | 1      | 50.0  | .       | .    |
| Nevada                 | .                     | .        | .                                | .    | .              | .     | .      | .     | .       | .    |
| Orange                 | 150                   | 145      | 6                                | 4.1  | 139            | 95.9  | 31     | 22.3  | 3       | 2.2  |
| Pasadena               | 2                     | 2        | .                                | .    | 2              | 100.0 | .      | .     | .       | .    |
| Placer                 | 3                     | 3        | .                                | .    | 3              | 100.0 | 1      | 33.3  | .       | .    |
| Plumas                 | .                     | .        | .                                | .    | .              | .     | .      | .     | .       | .    |
| Riverside              | 49                    | 48       | 1                                | 2.1  | 47             | 97.9  | 8      | 17.0  | 1       | 2.1  |
| Sacramento             | 66                    | 66       | 1                                | 1.5  | 65             | 98.5  | 19     | 29.2  | .       | .    |
| San Benito             | 1                     | 1        | .                                | .    | 1              | 100.0 | 1      | 100.0 | .       | .    |
| San Bernardino         | 44                    | 43       | .                                | .    | 43             | 100.0 | 10     | 23.3  | .       | .    |
| San Diego              | 185                   | 184      | 11                               | 6.0  | 173            | 94.0  | 21     | 12.1  | 2       | 1.2  |
| San Francisco          | 90                    | 88       | 2                                | 2.3  | 86             | 97.7  | 10     | 11.6  | 1       | 1.2  |
| San Joaquin            | 46                    | 42       | 4                                | 9.5  | 38             | 90.5  | 4      | 10.5  | 2       | 5.3  |
| San Luis Obispo        | 2                     | 2        | .                                | .    | 2              | 100.0 | 2      | 100.0 | .       | .    |
| San Mateo              | 62                    | 60       | 1                                | 1.7  | 59             | 98.3  | 4      | 6.8   | 2       | 3.4  |
| Santa Barbara          | 24                    | 23       | 2                                | 8.7  | 21             | 91.3  | 4      | 19.0  | 1       | 4.8  |
| Santa Clara            | 119                   | 113      | 3                                | 2.7  | 110            | 97.3  | 20     | 18.2  | 3       | 2.7  |
| Santa Cruz             | 4                     | 4        | .                                | .    | 4              | 100.0 | 1      | 25.0  | 1       | 25.0 |
| Shasta                 | 2                     | 2        | .                                | .    | 2              | 100.0 | .      | .     | .       | .    |

**Table 27. Tuberculosis Cases by Chest X-ray (CXR) Status: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Pulmonary Cases | CXR Done | Abnormal CXR, Consistent with TB |      |                |       |        |       |         |     |   |
|------------------------|-----------------------|----------|----------------------------------|------|----------------|-------|--------|-------|---------|-----|---|
|                        |                       |          | Normal CXR                       |      | Total Abnormal |       | Cavity |       | Miliary |     |   |
|                        |                       |          | No.                              | %    | No.            | %     | No.    | %     | No.     | %   |   |
| Sierra                 | .                     | .        | .                                | .    | .              | .     | .      | .     | .       | .   | . |
| Siskiyou               | .                     | .        | .                                | .    | .              | .     | .      | .     | .       | .   | . |
| Solano                 | 20                    | 20       | .                                | .    | 20             | 100.0 | 3      | 15.0  | .       | .   |   |
| Sonoma                 | 7                     | 6        | 1                                | 16.7 | 5              | 83.3  | 1      | 20.0  | .       | .   |   |
| Stanislaus             | 9                     | 9        | .                                | .    | 9              | 100.0 | 3      | 33.3  | .       | .   |   |
| Sutter                 | 1                     | 1        | .                                | .    | 1              | 100.0 | 1      | 100.0 | .       | .   |   |
| Tehama                 | .                     | .        | .                                | .    | .              | .     | .      | .     | .       | .   |   |
| Trinity                | .                     | .        | .                                | .    | .              | .     | .      | .     | .       | .   |   |
| Tulare                 | 15                    | 15       | .                                | .    | 15             | 100.0 | 2      | 13.3  | .       | .   |   |
| Tuolumne               | .                     | .        | .                                | .    | .              | .     | .      | .     | .       | .   |   |
| Ventura                | 43                    | 42       | 1                                | 2.4  | 41             | 97.6  | 16     | 39.0  | 4       | 9.8 |   |
| Yolo                   | 7                     | 5        | .                                | .    | 5              | 100.0 | 1      | 20.0  | .       | .   |   |
| Yuba                   | 1                     | 1        | .                                | .    | 1              | 100.0 | .      | .     | .       | .   |   |

. Indicates zero cases or zero percent

California Department of Public Health, Tuberculosis Control Branch

**Table 28. Tuberculosis Cases by Chest CT Scan or Other Chest Imaging Study: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Pulmonary Cases | CT Scan Done | Normal CT Scan |       | Abnormal CT, Consistent with TB |       |        |       |         |      |
|------------------------|-----------------------|--------------|----------------|-------|---------------------------------|-------|--------|-------|---------|------|
|                        |                       |              |                |       | Total Abnormal                  |       | Cavity |       | Miliary |      |
|                        |                       |              | No.            | %     | No.                             | %     | No.    | %     | No.     | %    |
| California             | 1699                  | 1006         | 4              | 0.4   | 1002                            | 99.6  | 377    | 37.6  | 51      | 5.1  |
| Alameda                | 84                    | 65           | .              | .     | 65                              | 100.0 | 21     | 32.3  | 4       | 6.2  |
| Alpine                 | .                     | .            | .              | .     | .                               | .     | .      | .     | .       | .    |
| Amador                 | .                     | .            | .              | .     | .                               | .     | .      | .     | .       | .    |
| Berkeley               | 3                     | 3            | .              | .     | 3                               | 100.0 | 2      | 66.7  | 1       | 33.3 |
| Butte                  | 3                     | 3            | .              | .     | 3                               | 100.0 | 2      | 66.7  | .       | .    |
| Calaveras              | 1                     | .            | .              | .     | .                               | .     | .      | .     | .       | .    |
| Colusa                 | .                     | .            | .              | .     | .                               | .     | .      | .     | .       | .    |
| Contra Costa           | 30                    | 21           | .              | .     | 21                              | 100.0 | 6      | 28.6  | 2       | 9.5  |
| Del Norte              | .                     | .            | .              | .     | .                               | .     | .      | .     | .       | .    |
| El Dorado              | 4                     | 3            | .              | .     | 3                               | 100.0 | 3      | 100.0 | .       | .    |
| Fresno                 | 44                    | 36           | 1              | 2.8   | 35                              | 97.2  | 14     | 40.0  | 4       | 11.4 |
| Glenn                  | .                     | .            | .              | .     | .                               | .     | .      | .     | .       | .    |
| Humboldt               | 2                     | 2            | .              | .     | 2                               | 100.0 | 1      | 50.0  | .       | .    |
| Imperial               | 33                    | 19           | .              | .     | 19                              | 100.0 | 10     | 52.6  | 2       | 10.5 |
| Inyo                   | .                     | .            | .              | .     | .                               | .     | .      | .     | .       | .    |
| Kern                   | 29                    | 21           | .              | .     | 21                              | 100.0 | 5      | 23.8  | 1       | 4.8  |
| Kings                  | 3                     | 2            | .              | .     | 2                               | 100.0 | 1      | 50.0  | .       | .    |
| Lake                   | .                     | .            | .              | .     | .                               | .     | .      | .     | .       | .    |
| Lassen                 | .                     | .            | .              | .     | .                               | .     | .      | .     | .       | .    |
| Long Beach             | 20                    | 12           | .              | .     | 12                              | 100.0 | 4      | 33.3  | 1       | 8.3  |
| Los Angeles            | 455                   | 233          | .              | .     | 233                             | 100.0 | 98     | 42.1  | 7       | 3.0  |
| Madera                 | 7                     | 5            | .              | .     | 5                               | 100.0 | 4      | 80.0  | .       | .    |
| Marin                  | 6                     | 3            | .              | .     | 3                               | 100.0 | .      | .     | .       | .    |
| Mariposa               | .                     | .            | .              | .     | .                               | .     | .      | .     | .       | .    |
| Mendocino              | 1                     | 1            | .              | .     | 1                               | 100.0 | .      | .     | .       | .    |
| Merced                 | 5                     | 1            | 1              | 100.0 | .                               | .     | .      | .     | .       | .    |
| Modoc                  | .                     | .            | .              | .     | .                               | .     | .      | .     | .       | .    |
| Mono                   | .                     | .            | .              | .     | .                               | .     | .      | .     | .       | .    |
| Monterey               | 15                    | 6            | .              | .     | 6                               | 100.0 | 2      | 33.3  | 1       | 16.7 |
| Napa                   | 2                     | .            | .              | .     | .                               | .     | .      | .     | .       | .    |
| Nevada                 | .                     | .            | .              | .     | .                               | .     | .      | .     | .       | .    |
| Orange                 | 150                   | 94           | .              | .     | 94                              | 100.0 | 37     | 39.4  | 5       | 5.3  |
| Pasadena               | 2                     | 2            | .              | .     | 2                               | 100.0 | 1      | 50.0  | .       | .    |
| Placer                 | 3                     | 2            | .              | .     | 2                               | 100.0 | 1      | 50.0  | .       | .    |
| Plumas                 | .                     | .            | .              | .     | .                               | .     | .      | .     | .       | .    |
| Riverside              | 49                    | 32           | .              | .     | 32                              | 100.0 | 15     | 46.9  | 1       | 3.1  |
| Sacramento             | 66                    | 33           | 1              | 3.0   | 32                              | 97.0  | 8      | 25.0  | .       | .    |
| San Benito             | 1                     | 1            | .              | .     | 1                               | 100.0 | 1      | 100.0 | .       | .    |
| San Bernardino         | 44                    | 29           | .              | .     | 29                              | 100.0 | 15     | 51.7  | 1       | 3.4  |
| San Diego              | 185                   | 107          | .              | .     | 107                             | 100.0 | 38     | 35.5  | 5       | 4.7  |
| San Francisco          | 90                    | 50           | .              | .     | 50                              | 100.0 | 10     | 20.0  | 1       | 2.0  |
| San Joaquin            | 46                    | 32           | .              | .     | 32                              | 100.0 | 11     | 34.4  | 3       | 9.4  |
| San Luis Obispo        | 2                     | 1            | .              | .     | 1                               | 100.0 | 1      | 100.0 | .       | .    |
| San Mateo              | 62                    | 44           | .              | .     | 44                              | 100.0 | 11     | 25.0  | 5       | 11.4 |
| Santa Barbara          | 24                    | 5            | 1              | 20.0  | 4                               | 80.0  | 2      | 50.0  | 1       | 25.0 |
| Santa Clara            | 119                   | 74           | .              | .     | 74                              | 100.0 | 22     | 29.7  | .       | .    |
| Santa Cruz             | 4                     | 2            | .              | .     | 2                               | 100.0 | 1      | 50.0  | 1       | 50.0 |

**Table 28. Tuberculosis Cases by Chest CT Scan or Other Chest Imaging Study: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Pulmonary Cases | CT Scan Done | Normal CT Scan |   | Abnormal CT, Consistent with TB |       |        |       |         |      |
|------------------------|-----------------------|--------------|----------------|---|---------------------------------|-------|--------|-------|---------|------|
|                        |                       |              |                |   | Total Abnormal                  |       | Cavity |       | Miliary |      |
|                        |                       |              | No.            | % | No.                             | %     | No.    | %     | No.     | %    |
| Shasta                 | 2                     | 1            | .              | . | 1                               | 100.0 | 1      | 100.0 | .       | .    |
| Sierra                 | .                     | .            | .              | . | .                               | .     | .      | .     | .       | .    |
| Siskiyou               | .                     | .            | .              | . | .                               | .     | .      | .     | .       | .    |
| Solano                 | 20                    | 9            | .              | . | 9                               | 100.0 | 4      | 44.4  | .       | .    |
| Sonoma                 | 7                     | 2            | .              | . | 2                               | 100.0 | 1      | 50.0  | .       | .    |
| Stanislaus             | 9                     | 2            | .              | . | 2                               | 100.0 | 2      | 100.0 | .       | .    |
| Sutter                 | 1                     | 1            | .              | . | 1                               | 100.0 | 1      | 100.0 | .       | .    |
| Tehama                 | .                     | .            | .              | . | .                               | .     | .      | .     | .       | .    |
| Trinity                | .                     | .            | .              | . | .                               | .     | .      | .     | .       | .    |
| Tulare                 | 15                    | 9            | .              | . | 9                               | 100.0 | 3      | 33.3  | .       | .    |
| Tuolumne               | .                     | .            | .              | . | .                               | .     | .      | .     | .       | .    |
| Ventura                | 43                    | 34           | .              | . | 34                              | 100.0 | 15     | 44.1  | 4       | 11.8 |
| Yolo                   | 7                     | 3            | .              | . | 3                               | 100.0 | 2      | 66.7  | 1       | 33.3 |
| Yuba                   | 1                     | 1            | .              | . | 1                               | 100.0 | 1      | 100.0 | .       | .    |

. Indicates zero cases or zero percent  
 California Department of Public Health, Tuberculosis Control Branch

**Table 29. Interferon Gamma Release Array (IGRA) and Tuberculin Skin Test (TST) at Diagnosis:  
Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Cases | IGRA Test Done |       | IGRA Positive Result |       | TST Test Done |      | TST Positive Result |       |
|------------------------|-------------|----------------|-------|----------------------|-------|---------------|------|---------------------|-------|
|                        |             | No.            | %     | No.                  | %     | No.           | %    | No.                 | %     |
| California             | 2147        | 1261           | 58.7  | 991                  | 78.6  | 705           | 32.8 | 540                 | 76.6  |
| Alameda                | 108         | 80             | 74.1  | 61                   | 76.3  | 41            | 38.0 | 36                  | 87.8  |
| Alpine                 | .           | .              | .     | .                    | .     | .             | .    | .                   | .     |
| Amador                 | .           | .              | .     | .                    | .     | .             | .    | .                   | .     |
| Berkeley               | 5           | 4              | 80.0  | 4                    | 100.0 | 3             | 60.0 | 2                   | 66.7  |
| Butte                  | 6           | 3              | 50.0  | 3                    | 100.0 | 3             | 50.0 | 3                   | 100.0 |
| Calaveras              | 1           | 1              | 100.0 | 1                    | 100.0 | .             | .    | .                   | .     |
| Colusa                 | .           | .              | .     | .                    | .     | .             | .    | .                   | .     |
| Contra Costa           | 48          | 31             | 64.6  | 22                   | 71.0  | 12            | 25.0 | 11                  | 91.7  |
| Del Norte              | .           | .              | .     | .                    | .     | .             | .    | .                   | .     |
| El Dorado              | 5           | 2              | 40.0  | 2                    | 100.0 | 1             | 20.0 | 1                   | 100.0 |
| Fresno                 | 51          | 36             | 70.6  | 26                   | 72.2  | 12            | 23.5 | 11                  | 91.7  |
| Glenn                  | .           | .              | .     | .                    | .     | .             | .    | .                   | .     |
| Humboldt               | 2           | 1              | 50.0  | 1                    | 100.0 | .             | .    | .                   | .     |
| Imperial               | 37          | 30             | 81.1  | 26                   | 86.7  | 11            | 29.7 | 7                   | 63.6  |
| Inyo                   | .           | .              | .     | .                    | .     | .             | .    | .                   | .     |
| Kern                   | 40          | 35             | 87.5  | 23                   | 65.7  | 13            | 32.5 | 9                   | 69.2  |
| Kings                  | 3           | 1              | 33.3  | 1                    | 100.0 | 2             | 66.7 | 1                   | 50.0  |
| Lake                   | .           | .              | .     | .                    | .     | .             | .    | .                   | .     |
| Lassen                 | .           | .              | .     | .                    | .     | .             | .    | .                   | .     |
| Long Beach             | 30          | 12             | 40.0  | 11                   | 91.7  | 16            | 53.3 | 12                  | 75.0  |
| Los Angeles            | 587         | 416            | 70.9  | 337                  | 81.0  | 205           | 34.9 | 157                 | 76.6  |
| Madera                 | 8           | 4              | 50.0  | 2                    | 50.0  | 5             | 62.5 | 5                   | 100.0 |
| Marin                  | 9           | 6              | 66.7  | 3                    | 50.0  | 1             | 11.1 | .                   | .     |
| Mariposa               | .           | .              | .     | .                    | .     | .             | .    | .                   | .     |
| Mendocino              | 1           | 1              | 100.0 | 1                    | 100.0 | .             | .    | .                   | .     |
| Merced                 | 6           | 4              | 66.7  | 3                    | 75.0  | 3             | 50.0 | 2                   | 66.7  |
| Modoc                  | .           | .              | .     | .                    | .     | .             | .    | .                   | .     |
| Mono                   | .           | .              | .     | .                    | .     | .             | .    | .                   | .     |
| Monterey               | 17          | 6              | 35.3  | 2                    | 33.3  | 3             | 17.6 | 1                   | 33.3  |
| Napa                   | 3           | .              | .     | .                    | .     | .             | .    | .                   | .     |
| Nevada                 | .           | .              | .     | .                    | .     | .             | .    | .                   | .     |
| Orange                 | 187         | 53             | 28.3  | 44                   | 83.0  | 75            | 40.1 | 51                  | 68.0  |
| Pasadena               | 5           | 4              | 80.0  | 3                    | 75.0  | .             | .    | .                   | .     |
| Placer                 | 4           | 1              | 25.0  | 1                    | 100.0 | 1             | 25.0 | 1                   | 100.0 |
| Plumas                 | .           | .              | .     | .                    | .     | .             | .    | .                   | .     |
| Riverside              | 65          | 22             | 33.8  | 19                   | 86.4  | 24            | 36.9 | 18                  | 75.0  |
| Sacramento             | 71          | 27             | 38.0  | 18                   | 66.7  | 20            | 28.2 | 18                  | 90.0  |
| San Benito             | 2           | 1              | 50.0  | 1                    | 100.0 | .             | .    | .                   | .     |
| San Bernardino         | 51          | 16             | 31.4  | 13                   | 81.3  | 18            | 35.3 | 11                  | 61.1  |
| San Diego              | 220         | 121            | 55.0  | 94                   | 77.7  | 59            | 26.8 | 48                  | 81.4  |
| San Francisco          | 114         | 93             | 81.6  | 78                   | 83.9  | 48            | 42.1 | 38                  | 79.2  |
| San Joaquin            | 54          | 33             | 61.1  | 26                   | 78.8  | 37            | 68.5 | 26                  | 70.3  |
| San Luis Obispo        | 3           | 2              | 66.7  | 2                    | 100.0 | 1             | 33.3 | 1                   | 100.0 |
| San Mateo              | 74          | 35             | 47.3  | 27                   | 77.1  | 8             | 10.8 | 7                   | 87.5  |
| Santa Barbara          | 29          | 19             | 65.5  | 17                   | 89.5  | 8             | 27.6 | 6                   | 75.0  |
| Santa Clara            | 163         | 85             | 52.1  | 60                   | 70.6  | 19            | 11.7 | 13                  | 68.4  |
| Santa Cruz             | 5           | 5              | 100.0 | 4                    | 80.0  | 1             | 20.0 | 1                   | 100.0 |

**Table 29. Interferon Gamma Release Array (IGRA) and Tuberculin Skin Test (TST) at Diagnosis:  
Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Cases | IGRA Test Done |       | IGRA Positive Result |       | TST Test Done |       | TST Positive Result |       |
|------------------------|-------------|----------------|-------|----------------------|-------|---------------|-------|---------------------|-------|
|                        |             | No.            | %     | No.                  | %     | No.           | %     | No.                 | %     |
| Shasta                 | 2           | 1              | 50.0  | 1                    | 100.0 | 2             | 100.0 | 2                   | 100.0 |
| Sierra                 | .           | .              | .     | .                    | .     | .             | .     | .                   | .     |
| Siskiyou               | 1           | 1              | 100.0 | 1                    | 100.0 | 1             | 100.0 | 1                   | 100.0 |
| Solano                 | 24          | 6              | 25.0  | 5                    | 83.3  | 8             | 33.3  | 6                   | 75.0  |
| Sonoma                 | 13          | 4              | 30.8  | 4                    | 100.0 | 5             | 38.5  | 2                   | 40.0  |
| Stanislaus             | 13          | 4              | 30.8  | 4                    | 100.0 | 8             | 61.5  | 8                   | 100.0 |
| Sutter                 | 2           | 1              | 50.0  | 1                    | 100.0 | 1             | 50.0  | .                   | .     |
| Tehama                 | .           | .              | .     | .                    | .     | .             | .     | .                   | .     |
| Trinity                | .           | .              | .     | .                    | .     | .             | .     | .                   | .     |
| Tulare                 | 17          | 8              | 47.1  | 7                    | 87.5  | 12            | 70.6  | 10                  | 83.3  |
| Tuolumne               | .           | .              | .     | .                    | .     | .             | .     | .                   | .     |
| Ventura                | 51          | 39             | 76.5  | 26                   | 66.7  | 15            | 29.4  | 11                  | 73.3  |
| Yolo                   | 8           | 5              | 62.5  | 4                    | 80.0  | 2             | 25.0  | 2                   | 100.0 |
| Yuba                   | 2           | 2              | 100.0 | 2                    | 100.0 | 1             | 50.0  | 1                   | 100.0 |

. Indicates zero cases or zero percent  
California Department of Public Health, Tuberculosis Control Branch

**Table 30. Tuberculosis Cases by Vital Status at Diagnosis and Initiation of Treatment:  
Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Cases | Dead at Diagnosis |      | Total Alive at Diagnosis |       | Alive and Started Treatment |       |
|------------------------|-------------|-------------------|------|--------------------------|-------|-----------------------------|-------|
|                        |             | No.               | %    | No.                      | %     | No.                         | %     |
| California             | 2147        | 42                | 2.0  | 2105                     | 98.0  | 2085                        | 97.1  |
| Alameda                | 108         | .                 | .    | 108                      | 100.0 | 108                         | 100.0 |
| Alpine                 | .           | .                 | .    | .                        | .     | .                           | .     |
| Amador                 | .           | .                 | .    | .                        | .     | .                           | .     |
| Berkeley               | 5           | .                 | .    | 5                        | 100.0 | 5                           | 100.0 |
| Butte                  | 6           | .                 | .    | 6                        | 100.0 | 6                           | 100.0 |
| Calaveras              | 1           | .                 | .    | 1                        | 100.0 | 1                           | 100.0 |
| Colusa                 | .           | .                 | .    | .                        | .     | .                           | .     |
| Contra Costa           | 48          | 2                 | 4.2  | 46                       | 95.8  | 46                          | 95.8  |
| Del Norte              | .           | .                 | .    | .                        | .     | .                           | .     |
| El Dorado              | 5           | .                 | .    | 5                        | 100.0 | 5                           | 100.0 |
| Fresno                 | 51          | 2                 | 3.9  | 49                       | 96.1  | 47                          | 92.2  |
| Glenn                  | .           | .                 | .    | .                        | .     | .                           | .     |
| Humboldt               | 2           | .                 | .    | 2                        | 100.0 | 2                           | 100.0 |
| Imperial               | 37          | .                 | .    | 37                       | 100.0 | 36                          | 97.3  |
| Inyo                   | .           | .                 | .    | .                        | .     | .                           | .     |
| Kern                   | 40          | 1                 | 2.5  | 39                       | 97.5  | 39                          | 97.5  |
| Kings                  | 3           | .                 | .    | 3                        | 100.0 | 3                           | 100.0 |
| Lake                   | .           | .                 | .    | .                        | .     | .                           | .     |
| Lassen                 | .           | .                 | .    | .                        | .     | .                           | .     |
| Long Beach             | 30          | 3                 | 10.0 | 27                       | 90.0  | 27                          | 90.0  |
| Los Angeles            | 587         | 10                | 1.7  | 577                      | 98.3  | 572                         | 97.4  |
| Madera                 | 8           | .                 | .    | 8                        | 100.0 | 8                           | 100.0 |
| Marin                  | 9           | .                 | .    | 9                        | 100.0 | 8                           | 88.9  |
| Mariposa               | .           | .                 | .    | .                        | .     | .                           | .     |
| Mendocino              | 1           | .                 | .    | 1                        | 100.0 | 1                           | 100.0 |
| Merced                 | 6           | .                 | .    | 6                        | 100.0 | 6                           | 100.0 |
| Modoc                  | .           | .                 | .    | .                        | .     | .                           | .     |
| Mono                   | .           | .                 | .    | .                        | .     | .                           | .     |
| Monterey               | 17          | .                 | .    | 17                       | 100.0 | 17                          | 100.0 |
| Napa                   | 3           | .                 | .    | 3                        | 100.0 | 3                           | 100.0 |
| Nevada                 | .           | .                 | .    | .                        | .     | .                           | .     |
| Orange                 | 187         | 8                 | 4.3  | 179                      | 95.7  | 177                         | 94.7  |
| Pasadena               | 5           | .                 | .    | 5                        | 100.0 | 5                           | 100.0 |
| Placer                 | 4           | .                 | .    | 4                        | 100.0 | 4                           | 100.0 |
| Plumas                 | .           | .                 | .    | .                        | .     | .                           | .     |
| Riverside              | 65          | 1                 | 1.5  | 64                       | 98.5  | 61                          | 93.8  |
| Sacramento             | 71          | 1                 | 1.4  | 70                       | 98.6  | 70                          | 98.6  |
| San Benito             | 2           | .                 | .    | 2                        | 100.0 | 2                           | 100.0 |
| San Bernardino         | 51          | 3                 | 5.9  | 48                       | 94.1  | 47                          | 92.2  |
| San Diego              | 220         | 3                 | 1.4  | 217                      | 98.6  | 217                         | 98.6  |
| San Francisco          | 114         | .                 | .    | 114                      | 100.0 | 114                         | 100.0 |
| San Joaquin            | 54          | 1                 | 1.9  | 53                       | 98.1  | 51                          | 94.4  |
| San Luis Obispo        | 3           | .                 | .    | 3                        | 100.0 | 3                           | 100.0 |
| San Mateo              | 74          | 4                 | 5.4  | 70                       | 94.6  | 70                          | 94.6  |
| Santa Barbara          | 29          | .                 | .    | 29                       | 100.0 | 28                          | 96.6  |
| Santa Clara            | 163         | 1                 | 0.6  | 162                      | 99.4  | 160                         | 98.2  |

**Table 30. Tuberculosis Cases by Vital Status at Diagnosis and Initiation of Treatment:  
Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Cases | Dead at Diagnosis |     | Total Alive at Diagnosis |       | Alive and Started Treatment |       |
|------------------------|-------------|-------------------|-----|--------------------------|-------|-----------------------------|-------|
|                        |             | No.               | %   | No.                      | %     | No.                         | %     |
| Santa Cruz             | 5           | .                 | .   | 5                        | 100.0 | 5                           | 100.0 |
| Shasta                 | 2           | .                 | .   | 2                        | 100.0 | 2                           | 100.0 |
| Sierra                 | .           | .                 | .   | .                        | .     | .                           | .     |
| Siskiyou               | 1           | .                 | .   | 1                        | 100.0 | 1                           | 100.0 |
| Solano                 | 24          | 1                 | 4.2 | 23                       | 95.8  | 23                          | 95.8  |
| Sonoma                 | 13          | .                 | .   | 13                       | 100.0 | 13                          | 100.0 |
| Stanislaus             | 13          | .                 | .   | 13                       | 100.0 | 13                          | 100.0 |
| Sutter                 | 2           | .                 | .   | 2                        | 100.0 | 2                           | 100.0 |
| Tehama                 | .           | .                 | .   | .                        | .     | .                           | .     |
| Trinity                | .           | .                 | .   | .                        | .     | .                           | .     |
| Tulare                 | 17          | .                 | .   | 17                       | 100.0 | 17                          | 100.0 |
| Tuolumne               | .           | .                 | .   | .                        | .     | .                           | .     |
| Ventura                | 51          | 1                 | 2.0 | 50                       | 98.0  | 50                          | 98.0  |
| Yolo                   | 8           | .                 | .   | 8                        | 100.0 | 8                           | 100.0 |
| Yuba                   | 2           | .                 | .   | 2                        | 100.0 | 2                           | 100.0 |

. Indicates zero cases or zero percent

California Department of Public Health, Tuberculosis Control Branch

**Table 31. Deaths in Persons with Tuberculosis: Reporting Jurisdictions in California, 2012**

| Reporting Jurisdiction | Total Cases | Total Deaths |       | Dead at Diagnosis |      | Died Before Starting TB Treatment |     | Died During TB Treatment |       |
|------------------------|-------------|--------------|-------|-------------------|------|-----------------------------------|-----|--------------------------|-------|
|                        |             | No.          | %     | No.               | %    | No.                               | %   | No.                      | %     |
| California             | 2188        | 212          | 9.7   | 43                | 2.0  | 3                                 | 0.1 | 166                      | 7.6   |
| Alameda                | 136         | 6            | 4.4   | 2                 | 1.5  | 1                                 | 0.7 | 3                        | 2.2   |
| Alpine                 | .           | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| Amador                 | 1           | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| Berkeley               | 6           | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| Butte                  | 4           | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| Calaveras              | 1           | 1            | 100.0 | .                 | .    | .                                 | .   | 1                        | 100.0 |
| Colusa                 | 2           | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| Contra Costa           | 55          | 3            | 5.5   | .                 | .    | 1                                 | 1.8 | 2                        | 3.6   |
| Del Norte              | .           | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| El Dorado              | 2           | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| Fresno                 | 34          | 3            | 8.8   | 1                 | 2.9  | .                                 | .   | 2                        | 5.9   |
| Glenn                  | 3           | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| Humboldt               | 5           | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| Imperial               | 30          | 4            | 13.3  | 1                 | 3.3  | .                                 | .   | 3                        | 10.0  |
| Inyo                   | .           | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| Kern                   | 34          | 2            | 5.9   | .                 | .    | .                                 | .   | 2                        | 5.9   |
| Kings                  | 5           | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| Lake                   | 2           | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| Lassen                 | 2           | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| Long Beach             | 34          | 6            | 17.6  | .                 | .    | .                                 | .   | 6                        | 17.6  |
| Los Angeles            | 625         | 79           | 12.6  | 17                | 2.7  | .                                 | .   | 62                       | 9.9   |
| Madera                 | 10          | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| Marin                  | 15          | 1            | 6.7   | .                 | .    | .                                 | .   | 1                        | 6.7   |
| Mariposa               | .           | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| Mendocino              | 2           | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| Merced                 | 19          | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| Modoc                  | .           | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| Mono                   | .           | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| Monterey               | 18          | 1            | 5.6   | .                 | .    | .                                 | .   | 1                        | 5.6   |
| Napa                   | 3           | 1            | 33.3  | .                 | .    | .                                 | .   | 1                        | 33.3  |
| Nevada                 | 1           | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| Orange                 | 192         | 21           | 10.9  | 2                 | 1.0  | 1                                 | 0.5 | 18                       | 9.4   |
| Pasadena               | 11          | 2            | 18.2  | 1                 | 9.1  | .                                 | .   | 1                        | 9.1   |
| Placer                 | 6           | 1            | 16.7  | .                 | .    | .                                 | .   | 1                        | 16.7  |
| Plumas                 | .           | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| Riverside              | 57          | 7            | 12.3  | 1                 | 1.8  | .                                 | .   | 6                        | 10.5  |
| Sacramento             | 63          | 5            | 7.9   | 1                 | 1.6  | .                                 | .   | 4                        | 6.3   |
| San Benito             | .           | .            | .     | .                 | .    | .                                 | .   | .                        | .     |
| San Bernardino         | 58          | 10           | 17.2  | 4                 | 6.9  | .                                 | .   | 6                        | 10.3  |
| San Diego              | 234         | 17           | 7.3   | 2                 | 0.9  | .                                 | .   | 15                       | 6.4   |
| San Francisco          | 116         | 10           | 8.6   | 4                 | 3.4  | .                                 | .   | 6                        | 5.2   |
| San Joaquin            | 44          | 6            | 13.6  | .                 | .    | .                                 | .   | 6                        | 13.6  |
| San Luis Obispo        | 3           | 1            | 33.3  | 1                 | 33.3 | .                                 | .   | .                        | .     |
| San Mateo              | 54          | 3            | 5.6   | .                 | .    | .                                 | .   | 3                        | 5.6   |
| Santa Barbara          | 24          | 3            | 12.5  | .                 | .    | .                                 | .   | 3                        | 12.5  |

**Table 31. Deaths in Persons with Tuberculosis: Reporting Jurisdictions in California, 2012**

| Reporting Jurisdiction | Total Cases | Total Deaths |       | Dead at Diagnosis |      | Died Before Starting TB Treatment |   | Died During TB Treatment |       |
|------------------------|-------------|--------------|-------|-------------------|------|-----------------------------------|---|--------------------------|-------|
|                        |             | No.          | %     | No.               | %    | No.                               | % | No.                      | %     |
| Santa Clara            | 175         | 13           | 7.4   | 4                 | 2.3  | .                                 | . | 9                        | 5.1   |
| Santa Cruz             | 7           | .            | .     | .                 | .    | .                                 | . | .                        | .     |
| Shasta                 | 1           | 1            | 100.0 | .                 | .    | .                                 | . | 1                        | 100.0 |
| Sierra                 | .           | .            | .     | .                 | .    | .                                 | . | .                        | .     |
| Siskiyou               | .           | .            | .     | .                 | .    | .                                 | . | .                        | .     |
| Solano                 | 17          | 3            | 17.6  | 2                 | 11.8 | .                                 | . | 1                        | 5.9   |
| Sonoma                 | 14          | .            | .     | .                 | .    | .                                 | . | .                        | .     |
| Stanislaus             | 7           | .            | .     | .                 | .    | .                                 | . | .                        | .     |
| Sutter                 | 5           | 1            | 20.0  | .                 | .    | .                                 | . | 1                        | 20.0  |
| Tehama                 | .           | .            | .     | .                 | .    | .                                 | . | .                        | .     |
| Trinity                | .           | .            | .     | .                 | .    | .                                 | . | .                        | .     |
| Tulare                 | 12          | 1            | 8.3   | .                 | .    | .                                 | . | 1                        | 8.3   |
| Tuolumne               | .           | .            | .     | .                 | .    | .                                 | . | .                        | .     |
| Ventura                | 34          | .            | .     | .                 | .    | .                                 | . | .                        | .     |
| Yolo                   | 3           | .            | .     | .                 | .    | .                                 | . | .                        | .     |
| Yuba                   | 2           | .            | .     | .                 | .    | .                                 | . | .                        | .     |

. Indicates zero cases or zero percent

California Department of Public Health, Tuberculosis Control Branch

**Table 32. Tuberculosis Cases by Initial Drug Regimen\*: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Cases Alive at Diagnosis | Cases Started on Initial Drug Regimen |       | Initial Drug Regimen* (%) |     |      |         |       |
|------------------------|--------------------------|---------------------------------------|-------|---------------------------|-----|------|---------|-------|
|                        |                          | No.                                   | %     | IR                        | IRZ | IRE  | IRZ,E/S | Other |
|                        |                          |                                       |       | %                         | %   | %    | %       | %     |
| California             | 2105                     | 2085                                  | 99.1  | 0.3                       | 0.9 | 2.0  | 90.5    | 6.3   |
| Alameda                | 108                      | 108                                   | 100.0 | .                         | .   | 0.9  | 92.6    | 6.5   |
| Alpine                 | .                        | .                                     | .     | .                         | .   | .    | .       | .     |
| Amador                 | .                        | .                                     | .     | .                         | .   | .    | .       | .     |
| Berkeley               | 5                        | 5                                     | 100.0 | .                         | .   | .    | 100.0   | .     |
| Butte                  | 6                        | 6                                     | 100.0 | .                         | .   | .    | 66.7    | 33.3  |
| Calaveras              | 1                        | 1                                     | 100.0 | .                         | .   | .    | .       | 100.0 |
| Colusa                 | .                        | .                                     | .     | .                         | .   | .    | .       | .     |
| Contra Costa           | 46                       | 46                                    | 100.0 | 4.3                       | .   | 2.2  | 80.4    | 13.0  |
| Del Norte              | .                        | .                                     | .     | .                         | .   | .    | .       | .     |
| El Dorado              | 5                        | 5                                     | 100.0 | .                         | .   | .    | 100.0   | .     |
| Fresno                 | 49                       | 47                                    | 95.9  | .                         | .   | .    | 93.6    | 6.4   |
| Glenn                  | .                        | .                                     | .     | .                         | .   | .    | .       | .     |
| Humboldt               | 2                        | 2                                     | 100.0 | .                         | .   | .    | 100.0   | .     |
| Imperial               | 37                       | 36                                    | 97.3  | .                         | .   | .    | 91.7    | 8.3   |
| Inyo                   | .                        | .                                     | .     | .                         | .   | .    | .       | .     |
| Kern                   | 39                       | 39                                    | 100.0 | .                         | .   | 5.1  | 82.1    | 12.8  |
| Kings                  | 3                        | 3                                     | 100.0 | .                         | .   | .    | 100.0   | .     |
| Lake                   | .                        | .                                     | .     | .                         | .   | .    | .       | .     |
| Lassen                 | .                        | .                                     | .     | .                         | .   | .    | .       | .     |
| Long Beach             | 27                       | 27                                    | 100.0 | .                         | .   | .    | 85.2    | 14.8  |
| Los Angeles            | 577                      | 572                                   | 99.1  | 0.7                       | 1.2 | 2.1  | 90.0    | 5.9   |
| Madera                 | 8                        | 8                                     | 100.0 | .                         | .   | .    | 100.0   | .     |
| Marin                  | 9                        | 8                                     | 88.9  | .                         | .   | 25.0 | 62.5    | 12.5  |
| Mariposa               | .                        | .                                     | .     | .                         | .   | .    | .       | .     |
| Mendocino              | 1                        | 1                                     | 100.0 | .                         | .   | .    | 100.0   | .     |
| Merced                 | 6                        | 6                                     | 100.0 | .                         | .   | .    | 83.3    | 16.7  |
| Modoc                  | .                        | .                                     | .     | .                         | .   | .    | .       | .     |
| Mono                   | .                        | .                                     | .     | .                         | .   | .    | .       | .     |
| Monterey               | 17                       | 17                                    | 100.0 | .                         | .   | .    | 88.2    | 11.8  |
| Napa                   | 3                        | 3                                     | 100.0 | .                         | .   | .    | 66.7    | 33.3  |
| Nevada                 | .                        | .                                     | .     | .                         | .   | .    | .       | .     |
| Orange                 | 179                      | 177                                   | 98.9  | 0.6                       | 1.1 | 2.3  | 88.7    | 7.3   |
| Pasadena               | 5                        | 5                                     | 100.0 | .                         | .   | 20.0 | 80.0    | .     |
| Placer                 | 4                        | 4                                     | 100.0 | .                         | .   | .    | 100.0   | .     |
| Plumas                 | .                        | .                                     | .     | .                         | .   | .    | .       | .     |
| Riverside              | 64                       | 61                                    | 95.3  | .                         | 1.6 | .    | 96.7    | 1.6   |
| Sacramento             | 70                       | 70                                    | 100.0 | .                         | 1.4 | 1.4  | 97.1    | .     |
| San Benito             | 2                        | 2                                     | 100.0 | .                         | .   | .    | 100.0   | .     |
| San Bernardino         | 48                       | 47                                    | 97.9  | .                         | 4.3 | .    | 89.4    | 6.4   |
| San Diego              | 217                      | 217                                   | 100.0 | .                         | .   | 3.2  | 89.4    | 7.4   |
| San Francisco          | 114                      | 114                                   | 100.0 | .                         | .   | 4.4  | 88.6    | 7.0   |
| San Joaquin            | 53                       | 51                                    | 96.2  | .                         | 2.0 | .    | 94.1    | 3.9   |
| San Luis Obispo        | 3                        | 3                                     | 100.0 | .                         | .   | .    | 100.0   | .     |
| San Mateo              | 70                       | 70                                    | 100.0 | .                         | 2.9 | .    | 94.3    | 2.9   |
| Santa Barbara          | 29                       | 28                                    | 96.6  | .                         | 3.6 | 7.1  | 82.1    | 7.1   |
| Santa Clara            | 162                      | 160                                   | 98.8  | .                         | 0.6 | .    | 94.4    | 5.0   |
| Santa Cruz             | 5                        | 5                                     | 100.0 | .                         | .   | .    | 100.0   | .     |
| Shasta                 | 2                        | 2                                     | 100.0 | .                         | .   | .    | 100.0   | .     |

**Table 32. Tuberculosis Cases by Initial Drug Regimen\*: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Cases Alive at Diagnosis | Cases Started on Initial Drug Regimen |       | Initial Drug Regimen* (%) |     |      |         |       |
|------------------------|--------------------------|---------------------------------------|-------|---------------------------|-----|------|---------|-------|
|                        |                          | No.                                   | %     | IR                        | IRZ | IRE  | IRZ,E/S | Other |
|                        |                          |                                       |       | %                         | %   | %    | %       | %     |
| Sierra                 | .                        | .                                     | .     | .                         | .   | .    | .       | .     |
| Siskiyou               | 1                        | 1                                     | 100.0 | .                         | .   | .    | 100.0   | .     |
| Solano                 | 23                       | 23                                    | 100.0 | .                         | .   | .    | 100.0   | .     |
| Sonoma                 | 13                       | 13                                    | 100.0 | .                         | .   | .    | 92.3    | 7.7   |
| Stanislaus             | 13                       | 13                                    | 100.0 | .                         | 7.7 | .    | 84.6    | 7.7   |
| Sutter                 | 2                        | 2                                     | 100.0 | .                         | .   | .    | 100.0   | .     |
| Tehama                 | .                        | .                                     | .     | .                         | .   | .    | .       | .     |
| Trinity                | .                        | .                                     | .     | .                         | .   | .    | .       | .     |
| Tulare                 | 17                       | 17                                    | 100.0 | .                         | .   | 5.9  | 88.2    | 5.9   |
| Tuolumne               | .                        | .                                     | .     | .                         | .   | .    | .       | .     |
| Ventura                | 50                       | 50                                    | 100.0 | .                         | .   | 2.0  | 92.0    | 6.0   |
| Yolo                   | 8                        | 8                                     | 100.0 | .                         | .   | 12.5 | 87.5    | .     |
| Yuba                   | 2                        | 2                                     | 100.0 | .                         | .   | .    | 50.0    | 50.0  |

. Indicates zero cases or zero percent

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

California Department of Public Health, Tuberculosis Control Branch

**Table 33. Tuberculosis Cases by Type of Health Care Provider: Reporting Jurisdictions in California, 2012**

| Reporting Jurisdiction | Total Cases | Cases w/ Initial Drug Regimen Prescribed | Cases w/ Information on Type of Health Care Provider |       | Health Department Only |       | Private/Other Only |       | Both Health Dept. and Private/Other |       |
|------------------------|-------------|--|--|-------|------------------------|-------|--------------------|-------|-------------------------------------|-------|
|                        |             |  | No.  | %     | No.                    | %     | No.                | %     | No.                                 | %     |
| California             | 2188        | 2129                                     | 2108   | 99.0  | 1161                   | 55.1  | 752                | 35.7  | 195                                 | 9.3   |
| Alameda                | 136         | 133                                      | 133  | 100.0 | 2                      | 1.5   | 128                | 96.2  | 3                                   | 2.3   |
| Alpine                 | .           | .  | .  | .     | .                      | .     | .                  | .     | .                                   | .     |
| Amador                 | 1           | 1  | 1  | 100.0 | .                      | .     | .                  | .     | 1                                   | 100.0 |
| Berkeley               | 6           | 6  | 6  | 100.0 | 1                      | 16.7  | 4                  | 66.7  | 1                                   | 16.7  |
| Butte                  | 4           | 4  | 4  | 100.0 | 3                      | 75.0  | .                  | .     | 1                                   | 25.0  |
| Calaveras              | 1           | 1  | 1  | 100.0 | .                      | .     | 1                  | 100.0 | .                                   | .     |
| Colusa                 | 2           | 2  | 2  | 100.0 | .                      | .     | 2                  | 100.0 | .                                   | .     |
| Contra Costa           | 55          | 54                                       | 54   | 100.0 | 18                     | 33.3  | 31                 | 57.4  | 5                                   | 9.3   |
| Del Norte              | .           | .  | .  | .     | .                      | .     | .                  | .     | .                                   | .     |
| El Dorado              | 2           | 2  | 2  | 100.0 | .                      | .     | .                  | .     | 2                                   | 100.0 |
| Fresno                 | 34          | 33                                       | 32   | 97.0  | 28                     | 87.5  | 3                  | 9.4   | 1                                   | 3.1   |
| Glenn                  | 3           | 3  | 3  | 100.0 | .                      | .     | 3                  | 100.0 | .                                   | .     |
| Humboldt               | 5           | 5  | 5  | 100.0 | .                      | .     | 5                  | 100.0 | .                                   | .     |
| Imperial               | 30          | 28                                       | 28   | 100.0 | 24                     | 85.7  | 3                  | 10.7  | 1                                   | 3.6   |
| Inyo                   | .           | .  | .  | .     | .                      | .     | .                  | .     | .                                   | .     |
| Kern                   | 34          | 34                                       | 34   | 100.0 | 4                      | 11.8  | 28                 | 82.4  | 2                                   | 5.9   |
| Kings                  | 5           | 5  | 5  | 100.0 | 4                      | 80.0  | 1                  | 20.0  | .                                   | .     |
| Lake                   | 2           | 2  | 2  | 100.0 | .                      | .     | 1                  | 50.0  | 1                                   | 50.0  |
| Lassen                 | 2           | 2  | .  | .     | .                      | .     | .                  | .     | .                                   | .     |
| Long Beach             | 34          | 34                                       | 34   | 100.0 | 24                     | 70.6  | 8                  | 23.5  | 2                                   | 5.9   |
| Los Angeles            | 625         | 603                                      | 597  | 99.0  | 423                    | 70.9  | 97                 | 16.2  | 77                                  | 12.9  |
| Madera                 | 10          | 10                                       | 10   | 100.0 | 9                      | 90.0  | .                  | .     | 1                                   | 10.0  |
| Marin                  | 15          | 14                                       | 14   | 100.0 | 9                      | 64.3  | 5                  | 35.7  | .                                   | .     |
| Mariposa               | .           | .  | .  | .     | .                      | .     | .                  | .     | .                                   | .     |
| Mendocino              | 2           | 2  | 2  | 100.0 | 2                      | 100.0 | .                  | .     | .                                   | .     |
| Merced                 | 19          | 19                                       | 18   | 94.7  | 4                      | 22.2  | 6                  | 33.3  | 8                                   | 44.4  |
| Modoc                  | .           | .  | .  | .     | .                      | .     | .                  | .     | .                                   | .     |
| Mono                   | .           | .  | .  | .     | .                      | .     | .                  | .     | .                                   | .     |
| Monterey               | 18          | 18                                       | 18   | 100.0 | 13                     | 72.2  | 4                  | 22.2  | 1                                   | 5.6   |
| Napa                   | 3           | 3  | 3  | 100.0 | .                      | .     | 1                  | 33.3  | 2                                   | 66.7  |
| Nevada                 | 1           | 1  | .  | .     | .                      | .     | .                  | .     | .                                   | .     |
| Orange                 | 192         | 186                                      | 185  | 99.5  | 153                    | 82.7  | 23                 | 12.4  | 9                                   | 4.9   |
| Pasadena               | 11          | 10                                       | 10   | 100.0 | 5                      | 50.0  | 3                  | 30.0  | 2                                   | 20.0  |
| Placer                 | 6           | 6  | 6  | 100.0 | 1                      | 16.7  | 5                  | 83.3  | .                                   | .     |
| Plumas                 | .           | .  | .  | .     | .                      | .     | .                  | .     | .                                   | .     |
| Riverside              | 57          | 56                                       | 56   | 100.0 | 29                     | 51.8  | 2                  | 3.6   | 25                                  | 44.6  |
| Sacramento             | 63          | 61                                       | 61   | 100.0 | 51                     | 83.6  | 9                  | 14.8  | 1                                   | 1.6   |
| San Benito             | .           | .  | .  | .     | .                      | .     | .                  | .     | .                                   | .     |
| San Bernardino         | 58          | 54                                       | 52   | 96.3  | 27                     | 51.9  | 25                 | 48.1  | .                                   | .     |
| San Diego              | 234         | 232                                      | 231  | 99.6  | 36                     | 15.6  | 167                | 72.3  | 28                                  | 12.1  |
| San Francisco          | 116         | 112                                      | 112  | 100.0 | 102                    | 91.1  | 10                 | 8.9   | .                                   | .     |
| San Joaquin            | 44          | 44                                       | 44   | 100.0 | .                      | .     | 44                 | 100.0 | .                                   | .     |
| San Luis Obispo        | 3           | 2  | 2  | 100.0 | 1                      | 50.0  | 1                  | 50.0  | .                                   | .     |
| San Mateo              | 54          | 54                                       | 54   | 100.0 | 22                     | 40.7  | 31                 | 57.4  | 1                                   | 1.9   |

**Table 33. Tuberculosis Cases by Type of Health Care Provider: Reporting Jurisdictions in California, 2012**

| Reporting Jurisdiction | Total Cases | Cases w/ Initial Drug Regimen Prescribed | Cases w/ Information on Type of Health Care Provider |       | Health Department Only |      | Private/Other Only |      | Both Health Dept. and Private/Other |       |
|------------------------|-------------|--|--|-------|------------------------|------|--------------------|------|-------------------------------------|-------|
|                        |             |  | No.  | %     | No.                    | %    | No.                | %    | No.                                 | %     |
| Santa Barbara          | 24          | 24                                       | 24   | 100.0 | 20                     | 83.3 | 4                  | 16.7 | .                                   | .     |
| Santa Clara            | 175         | 169                                      | 166  | 98.2  | 78                     | 47.0 | 82                 | 49.4 | 6                                   | 3.6   |
| Santa Cruz             | 7           | 7  | 7  | 100.0 | 6                      | 85.7 | 1                  | 14.3 | .                                   | .     |
| Shasta                 | 1           | 1  | 1  | 100.0 | .                      | .    | .                  | .    | 1                                   | 100.0 |
| Sierra                 | .           | .  | .  | .     | .                      | .    | .                  | .    | .                                   | .     |
| Siskiyou               | .           | .  | .  | .     | .                      | .    | .                  | .    | .                                   | .     |
| Solano                 | 17          | 15                                       | 15   | 100.0 | 10                     | 66.7 | 2                  | 13.3 | 3                                   | 20.0  |
| Sonoma                 | 14          | 14                                       | 11   | 78.6  | 9                      | 81.8 | 1                  | 9.1  | 1                                   | 9.1   |
| Stanislaus             | 7           | 7  | 7  | 100.0 | 3                      | 42.9 | 2                  | 28.6 | 2                                   | 28.6  |
| Sutter                 | 5           | 5  | 5  | 100.0 | .                      | .    | 4                  | 80.0 | 1                                   | 20.0  |
| Tehama                 | .           | .  | .  | .     | .                      | .    | .                  | .    | .                                   | .     |
| Trinity                | .           | .  | .  | .     | .                      | .    | .                  | .    | .                                   | .     |
| Tulare                 | 12          | 12                                       | 12   | 100.0 | 9                      | 75.0 | .                  | .    | 3                                   | 25.0  |
| Tuolumne               | .           | .  | .  | .     | .                      | .    | .                  | .    | .                                   | .     |
| Ventura                | 34          | 34                                       | 34   | 100.0 | 31                     | 91.2 | 2                  | 5.9  | 1                                   | 2.9   |
| Yolo                   | 3           | 3  | 3  | 100.0 | .                      | .    | 2                  | 66.7 | 1                                   | 33.3  |
| Yuba                   | 2           | 2  | 2  | 100.0 | .                      | .    | 1                  | 50.0 | 1                                   | 50.0  |

. Indicates zero cases or zero percent

California Department of Public Health, Tuberculosis Control Branch

**Table 34. Tuberculosis Cases by Type of Therapy Administration: Reporting Jurisdictions in California, 2012**

| Reporting Jurisdiction | Total Cases | Cases w/ Initial Drug Regimen Prescribed | Cases w/ Information on Type of Therapy Administration |       | Type of Therapy Administration* |       |          |       |             |       |
|------------------------|-------------|--|--|-------|---------------------------------|-------|----------|-------|-------------|-------|
|                        |             |  |  |       | SAT Only                        |       | DOT Only |       | DOT and SAT |       |
|                        |             |  | No.  | %     | No.                             | %     | No.      | %     | No.         | %     |
| California             | 2188        | 2129                                     | 2099   | 98.6  | 275                             | 13.1  | 1019     | 48.5  | 805         | 38.4  |
| Alameda                | 136         | 133                                      | 133  | 100.0 | 48                              | 36.1  | 75       | 56.4  | 10          | 7.5   |
| Alpine                 | .           | .  | .  | .     | .                               | .     | .        | .     | .           | .     |
| Amador                 | 1           | 1  | 1  | 100.0 | .                               | .     | .        | .     | 1           | 100.0 |
| Berkeley               | 6           | 6  | 6  | 100.0 | .                               | .     | .        | .     | 6           | 100.0 |
| Butte                  | 4           | 4  | 4  | 100.0 | .                               | .     | .        | .     | 4           | 100.0 |
| Calaveras              | 1           | 1  | 1  | 100.0 | 1                               | 100.0 | .        | .     | .           | .     |
| Colusa                 | 2           | 2  | 2  | 100.0 | .                               | .     | .        | .     | 2           | 100.0 |
| Contra Costa           | 55          | 54                                       | 54   | 100.0 | 17                              | 31.5  | 24       | 44.4  | 13          | 24.1  |
| Del Norte              | .           | .  | .  | .     | .                               | .     | .        | .     | .           | .     |
| El Dorado              | 2           | 2  | 2  | 100.0 | .                               | .     | .        | .     | 2           | 100.0 |
| Fresno                 | 34          | 33                                       | 32   | 97.0  | 1                               | 3.1   | 14       | 43.8  | 17          | 53.1  |
| Glenn                  | 3           | 3  | 3  | 100.0 | .                               | .     | 1        | 33.3  | 2           | 66.7  |
| Humboldt               | 5           | 5  | 5  | 100.0 | 3                               | 60.0  | .        | .     | 2           | 40.0  |
| Imperial               | 30          | 28                                       | 27   | 96.4  | .                               | .     | 20       | 74.1  | 7           | 25.9  |
| Inyo                   | .           | .  | .  | .     | .                               | .     | .        | .     | .           | .     |
| Kern                   | 34          | 34                                       | 34   | 100.0 | 13                              | 38.2  | 14       | 41.2  | 7           | 20.6  |
| Kings                  | 5           | 5  | 5  | 100.0 | 1                               | 20.0  | 1        | 20.0  | 3           | 60.0  |
| Lake                   | 2           | 2  | 2  | 100.0 | .                               | .     | .        | .     | 2           | 100.0 |
| Lassen                 | 2           | 2  | 1  | 50.0  | .                               | .     | 1        | 100.0 | .           | .     |
| Long Beach             | 34          | 34                                       | 34   | 100.0 | 2                               | 5.9   | 25       | 73.5  | 7           | 20.6  |
| Los Angeles            | 625         | 603                                      | 597  | 99.0  | 72                              | 12.1  | 350      | 58.6  | 175         | 29.3  |
| Madera                 | 10          | 10                                       | 10   | 100.0 | .                               | .     | .        | .     | 10          | 100.0 |
| Marin                  | 15          | 14                                       | 14   | 100.0 | 4                               | 28.6  | 3        | 21.4  | 7           | 50.0  |
| Mariposa               | .           | .  | .  | .     | .                               | .     | .        | .     | .           | .     |
| Mendocino              | 2           | 2  | 2  | 100.0 | 1                               | 50.0  | 1        | 50.0  | .           | .     |
| Merced                 | 19          | 19                                       | 18   | 94.7  | 8                               | 44.4  | .        | .     | 10          | 55.6  |
| Modoc                  | .           | .  | .  | .     | .                               | .     | .        | .     | .           | .     |
| Mono                   | .           | .  | .  | .     | .                               | .     | .        | .     | .           | .     |
| Monterey               | 18          | 18                                       | 17   | 94.4  | 1                               | 5.9   | 11       | 64.7  | 5           | 29.4  |
| Napa                   | 3           | 3  | 3  | 100.0 | .                               | .     | 1        | 33.3  | 2           | 66.7  |
| Nevada                 | 1           | 1  | .  | .     | .                               | .     | .        | .     | .           | .     |
| Orange                 | 192         | 186                                      | 185  | 99.5  | 2                               | 1.1   | 134      | 72.4  | 49          | 26.5  |
| Pasadena               | 11          | 10                                       | 10   | 100.0 | 5                               | 50.0  | 1        | 10.0  | 4           | 40.0  |
| Placer                 | 6           | 6  | 6  | 100.0 | 2                               | 33.3  | .        | .     | 4           | 66.7  |
| Plumas                 | .           | .  | .  | .     | .                               | .     | .        | .     | .           | .     |
| Riverside              | 57          | 56                                       | 56   | 100.0 | 7                               | 12.5  | 11       | 19.6  | 38          | 67.9  |
| Sacramento             | 63          | 61                                       | 56   | 91.8  | .                               | .     | 17       | 30.4  | 39          | 69.6  |
| San Benito             | .           | .  | .  | .     | .                               | .     | .        | .     | .           | .     |
| San Bernardino         | 58          | 54                                       | 51   | 94.4  | 7                               | 13.7  | 31       | 60.8  | 13          | 25.5  |
| San Diego              | 234         | 232                                      | 231  | 99.6  | 15                              | 6.5   | 38       | 16.5  | 178         | 77.1  |
| San Francisco          | 116         | 112                                      | 112  | 100.0 | 9                               | 8.0   | 88       | 78.6  | 15          | 13.4  |
| San Joaquin            | 44          | 44                                       | 43   | 97.7  | 1                               | 2.3   | 5        | 11.6  | 37          | 86.0  |
| San Luis Obispo        | 3           | 2  | 2  | 100.0 | 1                               | 50.0  | .        | .     | 1           | 50.0  |
| San Mateo              | 54          | 54                                       | 54   | 100.0 | 11                              | 20.4  | 21       | 38.9  | 22          | 40.7  |

**Table 34. Tuberculosis Cases by Type of Therapy Administration: Reporting Jurisdictions in California, 2012**

| Reporting Jurisdiction | Total Cases | Cases w/ Initial Drug Regimen Prescribed | Cases w/ Information on Type of Therapy Administration |       | Type of Therapy Administration* |      |          |       |             |       |
|------------------------|-------------|--|--|-------|---------------------------------|------|----------|-------|-------------|-------|
|                        |             |  |  |       | SAT Only                        |      | DOT Only |       | DOT and SAT |       |
|                        |             |  | No.  | %     | No.                             | %    | No.      | %     | No.         | %     |
| Santa Barbara          | 24          | 24                                       | 23   | 95.8  | .                               | .    | 18       | 78.3  | 5           | 21.7  |
| Santa Clara            | 175         | 169                                      | 166  | 98.2  | 37                              | 22.3 | 82       | 49.4  | 47          | 28.3  |
| Santa Cruz             | 7           | 7  | 7  | 100.0 | 1                               | 14.3 | .        | .     | 6           | 85.7  |
| Shasta                 | 1           | 1  | 1  | 100.0 | .                               | .    | 1        | 100.0 | .           | .     |
| Sierra                 | .           | .  | .  | .     | .                               | .    | .        | .     | .           | .     |
| Siskiyou               | .           | .  | .  | .     | .                               | .    | .        | .     | .           | .     |
| Solano                 | 17          | 15                                       | 14   | 93.3  | .                               | .    | 4        | 28.6  | 10          | 71.4  |
| Sonoma                 | 14          | 14                                       | 12   | 85.7  | 1                               | 8.3  | 5        | 41.7  | 6           | 50.0  |
| Stanislaus             | 7           | 7  | 7  | 100.0 | 2                               | 28.6 | 3        | 42.9  | 2           | 28.6  |
| Sutter                 | 5           | 5  | 5  | 100.0 | .                               | .    | .        | .     | 5           | 100.0 |
| Tehama                 | .           | .  | .  | .     | .                               | .    | .        | .     | .           | .     |
| Trinity                | .           | .  | .  | .     | .                               | .    | .        | .     | .           | .     |
| Tulare                 | 12          | 12                                       | 12   | 100.0 | 1                               | 8.3  | .        | .     | 11          | 91.7  |
| Tuolumne               | .           | .  | .  | .     | .                               | .    | .        | .     | .           | .     |
| Ventura                | 34          | 34                                       | 34   | 100.0 | 1                               | 2.9  | 18       | 52.9  | 15          | 44.1  |
| Yolo                   | 3           | 3  | 3  | 100.0 | .                               | .    | .        | .     | 3           | 100.0 |
| Yuba                   | 2           | 2  | 2  | 100.0 | .                               | .    | 1        | 50.0  | 1           | 50.0  |

. Indicates zero cases or zero percent

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

California Department of Public Health, Tuberculosis Control Branch

**Table 35. Tuberculosis Cases by HIV/AIDS Diagnosis (Dx):\* Reporting Jurisdictions in California, 2007-2013**

| Reporting Jurisdiction    | 2007        |         |      | 2008        |         |      | 2009        |         |      | 2010        |         |      | 2011        |         |      | 2012        |         |      | 2013        |         |     |
|---------------------------|-------------|---------|------|-------------|---------|------|-------------|---------|------|-------------|---------|------|-------------|---------|------|-------------|---------|------|-------------|---------|-----|
|                           | 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.     | %   |
| California                | 2725        | 143     | 5.2  | 2699        | 136     | 5.0  | 2467        | 110     | 4.5  | 2325        | 101     | 4.3  | 2323        | 97      | 4.2  | 2188        | 83      | 3.8  | 2166        | 75      | 3.5 |
| Alameda                   | 149         | 14      | 9.4  | 134         | 8       | 6.0  | 156         | 3       | 1.9  | 178         | 10      | 5.6  | 132         | 4       | 3.0  | 136         | 7       | 5.1  | 114         | 5       | 4.4 |
| Contra Costa              | 51          | .       | .    | 79          | 1       | 1.3  | 47          | 2       | 4.3  | 33          | 1       | 3.0  | 60          | 2       | 3.3  | 55          | 3       | 5.5  | 57          | 1       | 1.8 |
| Fresno                    | 41          | 1       | 2.4  | 75          | 3       | 4.0  | 66          | 3       | 4.5  | 55          | 1       | 1.8  | 46          | 1       | 2.2  | 34          | 3       | 8.8  | 38          | 1       | 2.6 |
| Imperial                  | 29          | 1       | 3.4  | 21          | 1       | 4.8  | 36          | 1       | 2.8  | 24          | 3       | 12.5 | 27          | 3       | 11.1 | 30          | 2       | 6.7  | 38          | .       | .   |
| Kern                      | 38          | 2       | 5.3  | 50          | 3       | 6.0  | 41          | 3       | 7.3  | 35          | 3       | 8.6  | 40          | 2       | 5.0  | 34          | .       | .    | 28          | 2       | 7.1 |
| Long Beach                | 39          | 2       | 5.1  | 47          | 2       | 4.3  | 44          | 3       | 6.8  | 42          | 2       | 4.8  | 29          | 2       | 6.9  | 34          | 1       | 2.9  | 38          | .       | .   |
| Los Angeles               | 815         | 58      | 7.1  | 790         | 60      | 7.6  | 702         | 39      | 5.6  | 675         | 34      | 5.0  | 680         | 39      | 5.7  | 625         | 27      | 4.3  | 662         | 22      | 3.3 |
| Marin                     | 16          | 2       | 12.5 | 6           | .       | .    | 14          | .       | .    | 11          | 2       | 18.2 | 12          | .       | .    | 15          | .       | .    | 13          | .       | .   |
| Merced                    | 5           | .       | .    | 5           | .       | .    | 11          | .       | .    | 6           | .       | .    | 6           | .       | .    | 19          | .       | .    | 12          | .       | .   |
| Monterey                  | 22          | .       | .    | 24          | 2       | 8.3  | 16          | .       | .    | 21          | .       | .    | 25          | .       | .    | 18          | .       | .    | 17          | 1       | 5.9 |
| Orange                    | 217         | 5       | 2.3  | 210         | 3       | 1.4  | 197         | 6       | 3.0  | 224         | 3       | 1.3  | 209         | 4       | 1.9  | 192         | 1       | 0.5  | 187         | 5       | 2.7 |
| Riverside                 | 80          | 2       | 2.5  | 79          | 2       | 2.5  | 69          | 2       | 2.9  | 73          | .       | .    | 68          | 5       | 7.4  | 57          | .       | .    | 54          | .       | .   |
| Sacramento                | 109         | 4       | 3.7  | 110         | 2       | 1.8  | 98          | 4       | 4.1  | 65          | 3       | 4.6  | 75          | 3       | 4.0  | 63          | 2       | 3.2  | 84          | 6       | 7.1 |
| San Bernardino            | 59          | 4       | 6.8  | 74          | 1       | 1.4  | 76          | 4       | 5.3  | 60          | 3       | 5.0  | 53          | 1       | 1.9  | 58          | 1       | 1.7  | 58          | 1       | 1.7 |
| San Diego                 | 280         | 21      | 7.5  | 264         | 22      | 8.3  | 223         | 16      | 7.2  | 222         | 15      | 6.8  | 263         | 18      | 6.8  | 234         | 17      | 7.3  | 206         | 14      | 6.8 |
| San Francisco             | 143         | 12      | 8.4  | 118         | 13      | 11.0 | 115         | 9       | 7.8  | 98          | 4       | 4.1  | 108         | 3       | 2.8  | 116         | 6       | 5.2  | 107         | 8       | 7.5 |
| San Joaquin               | 51          | 4       | 7.8  | 66          | 2       | 3.0  | 76          | 4       | 5.3  | 46          | 5       | 10.9 | 44          | 1       | 2.3  | 44          | .       | .    | 43          | 1       | 2.3 |
| San Mateo                 | 89          | 1       | 1.1  | 64          | 1       | 1.6  | 66          | 1       | 1.5  | 59          | 2       | 3.4  | 59          | 1       | 1.7  | 54          | 1       | 1.9  | 58          | .       | .   |
| Santa Barbara             | 14          | .       | .    | 34          | 1       | 2.9  | 22          | .       | .    | 30          | 1       | 3.3  | 21          | 1       | 4.8  | 24          | 1       | 4.2  | 26          | .       | .   |
| Santa Clara               | 240         | 4       | 1.7  | 197         | 5       | 2.5  | 197         | 3       | 1.5  | 193         | 4       | 2.1  | 180         | 3       | 1.7  | 175         | 6       | 3.4  | 181         | 2       | 1.1 |
| Santa Cruz                | 10          | .       | .    | 10          | .       | .    | 5           | .       | .    | 10          | 2       | 20.0 | 10          | .       | .    | 7           | 1       | 14.3 | 5           | .       | .   |
| Solano                    | 37          | .       | .    | 33          | .       | .    | 23          | 3       | 13.0 | 20          | 1       | 5.0  | 34          | 1       | 2.9  | 17          | .       | .    | 12          | 1       | 8.3 |
| Sonoma                    | 13          | .       | .    | 9           | .       | .    | 9           | .       | .    | 9           | .       | .    | 13          | .       | .    | 14          | 1       | 7.1  | 8           | .       | .   |
| Stanislaus                | 16          | 2       | 12.5 | 20          | 1       | 5.0  | 20          | .       | .    | 16          | 1       | 6.3  | 9           | .       | .    | 7           | 1       | 14.3 | 10          | .       | .   |
| Tulare                    | 25          | 1       | 4.0  | 33          | 1       | 3.0  | 24          | .       | .    | 26          | .       | .    | 20          | .       | .    | 12          | .       | .    | 16          | 1       | 6.3 |
| Ventura                   | 57          | 1       | 1.8  | 65          | .       | .    | 48          | 2       | 4.2  | 33          | 1       | 3.0  | 35          | 3       | 8.6  | 34          | .       | .    | 28          | 1       | 3.6 |
| All Other Jurisdictions** | 80          | 2       | 2.5  | 82          | 2       | 2.4  | 66          | 2       | 3.0  | 61          | .       | .    | 65          | .       | .    | 80          | 2       | 2.5  | 66          | 3       | 4.5 |

. Indicates zero cases or zero percent

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

\*\* Reporting jurisdictions with fewer than 5 cases in any year (2007-2013)

California Department of Public Health, Tuberculosis Control Branch

**Table 36. HIV Status at Time of Tuberculosis Diagnosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction   | Total Cases | HIV Testing Status |      |          |       |             |      |                 |      |                   |      |         |      |
|--------------------------|-------------|--------------------|------|----------|-------|-------------|------|-----------------|------|-------------------|------|---------|------|
|                          |             | Positive           |      | Negative |       | Not Offered |      | Results Unknown |      | Procedure Refused |      | Unknown |      |
|                          |             | No.                | %    | No.      | %     | No.         | %    | No.             | %    | No.               | %    | No.     | %    |
| California               | 2147        | 87                 | 4.1  | 1780     | 82.9  | 166         | 7.7  | 11              | 0.5  | 34                | 1.6  | 69      | 3.2  |
| Alameda                  | 108         | 4                  | 3.7  | 93       | 86.1  | 4           | 3.7  | .               | .    | 3                 | 2.8  | 4       | 3.7  |
| Berkeley                 | 5           | .                  | .    | 5        | 100.0 | .           | .    | .               | .    | .                 | .    | .       | .    |
| Butte                    | 6           | .                  | .    | 6        | 100.0 | .           | .    | .               | .    | .                 | .    | .       | .    |
| Contra Costa             | 48          | 2                  | 4.2  | 39       | 81.3  | 5           | 10.4 | .               | .    | 1                 | 2.1  | 1       | 2.1  |
| El Dorado                | 5           | .                  | .    | 4        | 80.0  | .           | .    | .               | .    | .                 | .    | 1       | 20.0 |
| Fresno                   | 51          | 2                  | 3.9  | 41       | 80.4  | 5           | 9.8  | .               | .    | 2                 | 3.9  | 1       | 2.0  |
| Imperial                 | 37          | 2                  | 5.4  | 33       | 89.2  | 1           | 2.7  | .               | .    | .                 | .    | 1       | 2.7  |
| Kern                     | 40          | 2                  | 5.0  | 34       | 85.0  | 1           | 2.5  | .               | .    | 3                 | 7.5  | .       | .    |
| Long Beach               | 30          | 1                  | 3.3  | 26       | 86.7  | 2           | 6.7  | .               | .    | .                 | .    | 1       | 3.3  |
| Los Angeles              | 587         | 24                 | 4.1  | 482      | 82.1  | 70          | 11.9 | 5               | 0.9  | 6                 | 1.0  | .       | .    |
| Madera                   | 8           | .                  | .    | 8        | 100.0 | .           | .    | .               | .    | .                 | .    | .       | .    |
| Marin                    | 9           | 1                  | 11.1 | 4        | 44.4  | 4           | 44.4 | .               | .    | .                 | .    | .       | .    |
| Merced                   | 6           | .                  | .    | 3        | 50.0  | 2           | 33.3 | .               | .    | .                 | .    | 1       | 16.7 |
| Monterey                 | 17          | 1                  | 5.9  | 16       | 94.1  | .           | .    | .               | .    | .                 | .    | .       | .    |
| Orange                   | 187         | 3                  | 1.6  | 158      | 84.5  | 9           | 4.8  | .               | .    | 10                | 5.3  | 7       | 3.7  |
| Pasadena                 | 5           | .                  | .    | 4        | 80.0  | .           | .    | .               | .    | 1                 | 20.0 | .       | .    |
| Riverside                | 65          | 3                  | 4.6  | 41       | 63.1  | 2           | 3.1  | .               | .    | 1                 | 1.5  | 18      | 27.7 |
| Sacramento               | 71          | 1                  | 1.4  | 65       | 91.5  | 4           | 5.6  | .               | .    | .                 | .    | 1       | 1.4  |
| San Bernardino           | 51          | 2                  | 3.9  | 33       | 64.7  | 15          | 29.4 | .               | .    | .                 | .    | 1       | 2.0  |
| San Diego                | 220         | 17                 | 7.7  | 181      | 82.3  | 15          | 6.8  | .               | .    | 3                 | 1.4  | 4       | 1.8  |
| San Francisco            | 114         | 9                  | 7.9  | 104      | 91.2  | 1           | 0.9  | .               | .    | .                 | .    | .       | .    |
| San Joaquin              | 54          | .                  | .    | 46       | 85.2  | 2           | 3.7  | .               | .    | .                 | .    | 6       | 11.1 |
| San Mateo                | 74          | 2                  | 2.7  | 54       | 73.0  | 12          | 16.2 | .               | .    | 3                 | 4.1  | 3       | 4.1  |
| Santa Barbara            | 29          | .                  | .    | 28       | 96.6  | 1           | 3.4  | .               | .    | .                 | .    | .       | .    |
| Santa Clara              | 163         | 7                  | 4.3  | 142      | 87.1  | 4           | 2.5  | 1               | 0.6  | 1                 | 0.6  | 8       | 4.9  |
| Santa Cruz               | 5           | .                  | .    | 4        | 80.0  | 1           | 20.0 | .               | .    | .                 | .    | .       | .    |
| Solano                   | 24          | 1                  | 4.2  | 18       | 75.0  | .           | .    | 3               | 12.5 | .                 | .    | 2       | 8.3  |
| Sonoma                   | 13          | 1                  | 7.7  | 9        | 69.2  | .           | .    | .               | .    | .                 | .    | 3       | 23.1 |
| Stanislaus               | 13          | .                  | .    | 13       | 100.0 | .           | .    | .               | .    | .                 | .    | .       | .    |
| Tulare                   | 17          | 2                  | 11.8 | 14       | 82.4  | .           | .    | .               | .    | .                 | .    | 1       | 5.9  |
| Ventura                  | 51          | .                  | .    | 49       | 96.1  | 2           | 3.9  | .               | .    | .                 | .    | .       | .    |
| Yolo                     | 8           | .                  | .    | 4        | 50.0  | 2           | 25.0 | .               | .    | .                 | .    | 2       | 25.0 |
| All Other Jurisdictions* | 26          | .                  | .    | 19       | 73.1  | 2           | 7.7  | 2               | 7.7  | .                 | .    | 3       | 11.5 |

. Indicates zero cases or zero percent

\* Reporting jurisdictions with fewer than 5 cases

California Department of Public Health, Tuberculosis Control Branch

**Table 37. Medical Risk Factors for Tuberculosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction     | Total Cases | Diabetes Mellitus |      | Non-HIV Immuno-suppressive Condition |      | HIV* |      | End-stage Renal Disease |      | Post-organ Transplantation |     | TNF-alpha Antagonist Therapy** |      |
|----------------------------|-------------|-------------------|------|--------------------------------------|------|------|------|-------------------------|------|----------------------------|-----|--------------------------------|------|
|                            |             | No.               | %    | No.                                  | %    | No.  | %    | No.                     | %    | No.                        | %   | No.                            | %    |
| California                 | 2147        | 508               | 23.7 | 126                                  | 5.9  | 87   | 4.7  | 82                      | 3.8  | 23                         | 1.1 | 20                             | 0.9  |
| Alameda                    | 108         | 29                | 26.9 | 6                                    | 5.6  | 4    | 4.1  | 4                       | 3.7  | 3                          | 2.8 | 1                              | 0.9  |
| Berkeley                   | 5           | .                 | .    | .                                    | .    | .    | .    | .                       | .    | .                          | .   | .                              | .    |
| Butte                      | 6           | 1                 | 16.7 | .                                    | .    | .    | .    | .                       | .    | .                          | .   | .                              | .    |
| Contra Costa               | 48          | 11                | 22.9 | 3                                    | 6.3  | 2    | 4.9  | 1                       | 2.1  | .                          | .   | .                              | .    |
| El Dorado                  | 5           | 2                 | 40.0 | 1                                    | 20.0 | .    | .    | .                       | .    | .                          | .   | .                              | .    |
| Fresno                     | 51          | 16                | 31.4 | 1                                    | 2.0  | 2    | 4.7  | 3                       | 5.9  | 1                          | 2.0 | .                              | .    |
| Imperial                   | 37          | 7                 | 18.9 | 1                                    | 2.7  | 2    | 5.7  | .                       | .    | .                          | .   | .                              | .    |
| Kern                       | 40          | 12                | 30.0 | 5                                    | 12.5 | 2    | 5.6  | 3                       | 7.5  | 2                          | 5.0 | .                              | .    |
| Long Beach                 | 30          | 10                | 33.3 | .                                    | .    | 1    | 3.7  | 3                       | 10.0 | 1                          | 3.3 | .                              | .    |
| Los Angeles                | 587         | 167               | 28.5 | 33                                   | 5.6  | 24   | 4.7  | 35                      | 6.0  | 3                          | 0.5 | 5                              | 0.9  |
| Madera                     | 8           | 3                 | 37.5 | 1                                    | 12.5 | .    | .    | .                       | .    | .                          | .   | .                              | .    |
| Marin                      | 9           | 1                 | 11.1 | 2                                    | 22.2 | 1    | 20.0 | .                       | .    | .                          | .   | .                              | .    |
| Merced                     | 6           | 1                 | 16.7 | .                                    | .    | .    | .    | .                       | .    | .                          | .   | .                              | .    |
| Monterey                   | 17          | 5                 | 29.4 | .                                    | .    | 1    | 5.9  | .                       | .    | 1                          | 5.9 | .                              | .    |
| Orange                     | 187         | 47                | 25.1 | 10                                   | 5.3  | 3    | 1.9  | 5                       | 2.7  | 2                          | 1.1 | 2                              | 1.1  |
| Pasadena                   | 5           | 1                 | 20.0 | 1                                    | 20.0 | .    | .    | .                       | .    | .                          | .   | 1                              | 20.0 |
| Riverside                  | 65          | 16                | 24.6 | .                                    | .    | 3    | 6.8  | 3                       | 4.6  | .                          | .   | .                              | .    |
| Sacramento                 | 71          | 15                | 21.1 | 3                                    | 4.2  | 1    | 1.5  | .                       | .    | 1                          | 1.4 | .                              | .    |
| San Bernardino             | 51          | 13                | 25.5 | 3                                    | 5.9  | 2    | 5.7  | 2                       | 3.9  | 1                          | 2.0 | .                              | .    |
| San Diego                  | 220         | 36                | 16.4 | 17                                   | 7.7  | 17   | 8.6  | 7                       | 3.2  | 5                          | 2.3 | 3                              | 1.4  |
| San Francisco              | 114         | 24                | 21.1 | 11                                   | 9.6  | 9    | 8.0  | 5                       | 4.4  | 1                          | 0.9 | 1                              | 0.9  |
| San Joaquin                | 54          | 14                | 25.9 | 2                                    | 3.7  | .    | .    | .                       | .    | .                          | .   | 2                              | 3.7  |
| San Mateo                  | 74          | 16                | 21.6 | 10                                   | 13.5 | 2    | 3.6  | 7                       | 9.5  | .                          | .   | 1                              | 1.4  |
| Santa Barbara              | 29          | 2                 | 6.9  | 3                                    | 10.3 | .    | .    | .                       | .    | .                          | .   | .                              | .    |
| Santa Clara                | 163         | 26                | 16.0 | 6                                    | 3.7  | 7    | 4.7  | 1                       | 0.6  | 1                          | 0.6 | 4                              | 2.5  |
| Santa Cruz                 | 5           | 1                 | 20.0 | 1                                    | 20.0 | .    | .    | .                       | .    | .                          | .   | .                              | .    |
| Solano                     | 24          | 5                 | 20.8 | 2                                    | 8.3  | 1    | 5.3  | 2                       | 8.3  | .                          | .   | .                              | .    |
| Sonoma                     | 13          | 3                 | 23.1 | .                                    | .    | 1    | 10.0 | 1                       | 7.7  | 1                          | 7.7 | .                              | .    |
| Stanislaus                 | 13          | 1                 | 7.7  | 1                                    | 7.7  | .    | .    | .                       | .    | .                          | .   | .                              | .    |
| Tulare                     | 17          | 3                 | 17.6 | .                                    | .    | 2    | 12.5 | .                       | .    | .                          | .   | .                              | .    |
| Ventura                    | 51          | 9                 | 17.6 | 2                                    | 3.9  | .    | .    | .                       | .    | .                          | .   | .                              | .    |
| Yolo                       | 8           | 4                 | 50.0 | .                                    | .    | .    | .    | .                       | .    | .                          | .   | .                              | .    |
| All Other Jurisdictions*** | 26          | 7                 | 26.9 | 1                                    | 3.8  | .    | .    | .                       | .    | .                          | .   | .                              | .    |

. Indicates zero cases or zero percent

\* The denominator for HIV percent is the number of cases with HIV testing (n=1867).

\*\* Tumor necrosis factor-alpha antagonist therapy

\*\*\* Reporting jurisdictions with fewer than 5 cases

California Department of Public Health, Tuberculosis Control Branch

**Table 38. Non-medical Risk Factors\* for Tuberculosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction   | Total Cases | Contact to MDR-TB** Patient |      | Contact to Infectious TB Patient |      | Missed Contact of TB Case |      | Incomplete LTBI*** Treatment |      |
|--------------------------|-------------|-----------------------------|------|----------------------------------|------|---------------------------|------|------------------------------|------|
|                          |             | No.                         | %    | No.                              | %    | No.                       | %    | No.                          | %    |
| California               | 2147        | 2                           | 0.1  | 101                              | 4.7  | 9                         | 0.4  | 35                           | 1.6  |
| Alameda                  | 108         | .                           | .    | 2                                | 1.9  | .                         | .    | 1                            | 0.9  |
| Berkeley                 | 5           | .                           | .    | 1                                | 20.0 | .                         | .    | .                            | .    |
| Butte                    | 6           | 1                           | 16.7 | 1                                | 16.7 | 1                         | 16.7 | .                            | .    |
| Contra Costa             | 48          | .                           | .    | 1                                | 2.1  | .                         | .    | 1                            | 2.1  |
| El Dorado                | 5           | .                           | .    | .                                | .    | .                         | .    | .                            | .    |
| Fresno                   | 51          | .                           | .    | 3                                | 5.9  | .                         | .    | 4                            | 7.8  |
| Imperial                 | 37          | .                           | .    | 2                                | 5.4  | 1                         | 2.7  | 2                            | 5.4  |
| Kern                     | 40          | .                           | .    | 4                                | 10.0 | .                         | .    | .                            | .    |
| Long Beach               | 30          | .                           | .    | 3                                | 10.0 | .                         | .    | 1                            | 3.3  |
| Los Angeles              | 587         | 1                           | 0.2  | 17                               | 2.9  | 2                         | 0.3  | 4                            | 0.7  |
| Madera                   | 8           | .                           | .    | .                                | .    | .                         | .    | 1                            | 12.5 |
| Marin                    | 9           | .                           | .    | .                                | .    | .                         | .    | .                            | .    |
| Merced                   | 6           | .                           | .    | 1                                | 16.7 | .                         | .    | .                            | .    |
| Monterey                 | 17          | .                           | .    | 2                                | 11.8 | .                         | .    | .                            | .    |
| Orange                   | 187         | .                           | .    | 4                                | 2.1  | 1                         | 0.5  | 4                            | 2.1  |
| Pasadena                 | 5           | .                           | .    | .                                | .    | .                         | .    | .                            | .    |
| Riverside                | 65          | .                           | .    | 3                                | 4.6  | .                         | .    | .                            | .    |
| Sacramento               | 71          | .                           | .    | 12                               | 16.9 | .                         | .    | .                            | .    |
| San Bernardino           | 51          | .                           | .    | 3                                | 5.9  | .                         | .    | 1                            | 2.0  |
| San Diego                | 220         | .                           | .    | 8                                | 3.6  | 1                         | 0.5  | 2                            | 0.9  |
| San Francisco            | 114         | .                           | .    | 6                                | 5.3  | .                         | .    | 5                            | 4.4  |
| San Joaquin              | 54          | .                           | .    | 8                                | 14.8 | .                         | .    | 1                            | 1.9  |
| San Mateo                | 74          | .                           | .    | 1                                | 1.4  | 1                         | 1.4  | 1                            | 1.4  |
| Santa Barbara            | 29          | .                           | .    | 9                                | 31.0 | .                         | .    | .                            | .    |
| Santa Clara              | 163         | .                           | .    | 3                                | 1.8  | .                         | .    | 2                            | 1.2  |
| Santa Cruz               | 5           | .                           | .    | .                                | .    | .                         | .    | .                            | .    |
| Solano                   | 24          | .                           | .    | .                                | .    | .                         | .    | 1                            | 4.2  |
| Sonoma                   | 13          | .                           | .    | .                                | .    | .                         | .    | .                            | .    |
| Stanislaus               | 13          | .                           | .    | 3                                | 23.1 | .                         | .    | .                            | .    |
| Tulare                   | 17          | .                           | .    | 1                                | 5.9  | 1                         | 5.9  | 3                            | 17.6 |
| Ventura                  | 51          | .                           | .    | 1                                | 2.0  | .                         | .    | .                            | .    |
| Yolo                     | 8           | .                           | .    | .                                | .    | 1                         | 12.5 | 1                            | 12.5 |
| All Other Jurisdictions† | 26          | .                           | .    | 2                                | 7.7  | .                         | .    | .                            | .    |

. Indicates zero cases or zero percent

\* See Technical Notes for definition of these risk factors.

\*\* Multidrug-resistant tuberculosis

\*\*\* Latent tuberculosis Infection

† Reporting jurisdictions with fewer than 5 cases

California Department of Public Health, Tuberculosis Control Branch



**Table 39. Tuberculosis Cases Among Residents of Correctional Facilities\*: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction     | Total Cases | Cases with Information on Residence in a Correctional Facility |       | Total Cases Diagnosed in Correctional Facility |     | Type of Correctional Facility |   |              |   |            |       |                   |   |                |   |     |   | In Immigration and Customs Enforcement (ICE) Custody** |       |
|----------------------------|-------------|--|-------|--|-----|-------------------------------|---|--------------|---|------------|-------|-------------------|---|----------------|---|-----|---|--|-------|
|                            |             | No.  | %     | No.  | %   | Federal Prison                |   | State Prison |   | Local Jail |       | Juvenile Facility |   | Other Facility |   | No. | % |  |       |
|                            |             |  |       |  |     | No.                           | % | No.          | % | No.        | %     | No.               | % | No.            | % |     |   |  |       |
| Tulare                     | 17          | 17   | 100.0 | .  | .   | .                             | . | .            | . | .          | .     | .                 | . | .              | . | .   | . | .  |       |
| Ventura                    | 51          | 51   | 100.0 | 1  | 2.0 | .                             | . | .            | . | 1          | 100.0 | .                 | . | .              | . | .   | . | 1  | 100.0 |
| Yolo                       | 8           | 7  | 87.5  | .  | .   | .                             | . | .            | . | .          | .     | .                 | . | .              | . | .   | . | .  | .     |
| All Other Jurisdictions*** | 26          | 26   | 100.0 | .  | .   | .                             | . | .            | . | .          | .     | .                 | . | .              | . | .   | . | .  | .     |

. Indicates zero cases or zero percent

\* Residence in correctional facility at the time of diagnosis

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

\*\*\* Reporting jurisdictions with fewer than 5 cases

California Department of Public Health, Tuberculosis Control Branch

**Table 40. Tuberculosis Cases By Homeless Status\*: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction    | Total Cases | Cases with Information on Homeless Status |       | Cases with Homeless Status |      |
|---------------------------|-------------|---|-------|----------------------------|------|
|                           |             | No.                                       | %     | No.                        | %    |
| California                | 2147        | 2137                                      | 99.5  | 105                        | 4.9  |
| Alameda                   | 108         | 107                                       | 99.1  | 2                          | 1.9  |
| Berkeley                  | 5           | 5   | 100.0 | .                          | .    |
| Butte                     | 6           | 6   | 100.0 | .                          | .    |
| Contra Costa              | 48          | 48  | 100.0 | 1                          | 2.1  |
| El Dorado                 | 5           | 5   | 100.0 | .                          | .    |
| Fresno                    | 51          | 51  | 100.0 | 1                          | 2.0  |
| Imperial                  | 37          | 37  | 100.0 | 3                          | 8.1  |
| Kern                      | 40          | 40  | 100.0 | 3                          | 7.5  |
| Long Beach                | 30          | 30  | 100.0 | 2                          | 6.7  |
| Los Angeles               | 587         | 582                                       | 99.1  | 38                         | 6.5  |
| Madera                    | 8           | 8   | 100.0 | .                          | .    |
| Marin                     | 9           | 9   | 100.0 | .                          | .    |
| Merced                    | 6           | 6   | 100.0 | .                          | .    |
| Monterey                  | 17          | 17  | 100.0 | 1                          | 5.9  |
| Orange                    | 187         | 187                                       | 100.0 | 4                          | 2.1  |
| Pasadena                  | 5           | 5   | 100.0 | .                          | .    |
| Riverside                 | 65          | 65  | 100.0 | 1                          | 1.5  |
| Sacramento                | 71          | 71  | 100.0 | .                          | .    |
| San Bernardino            | 51          | 51  | 100.0 | 1                          | 2.0  |
| San Diego                 | 220         | 220                                       | 100.0 | 18                         | 8.2  |
| San Francisco             | 114         | 113                                       | 99.1  | 7                          | 6.2  |
| San Joaquin               | 54          | 53  | 98.1  | 7                          | 13.2 |
| San Mateo                 | 74          | 74  | 100.0 | 2                          | 2.7  |
| Santa Barbara             | 29          | 29  | 100.0 | 2                          | 6.9  |
| Santa Clara               | 163         | 162                                       | 99.4  | 4                          | 2.5  |
| Santa Cruz                | 5           | 5   | 100.0 | .                          | .    |
| Solano                    | 24          | 24  | 100.0 | 2                          | 8.3  |
| Sonoma                    | 13          | 13  | 100.0 | .                          | .    |
| Stanislaus                | 13          | 13  | 100.0 | .                          | .    |
| Tulare                    | 17          | 17  | 100.0 | 2                          | 11.8 |
| Ventura                   | 51          | 51  | 100.0 | 4                          | 7.8  |
| Yolo                      | 8           | 7   | 87.5  | .                          | .    |
| All Other Jurisdictions** | 26          | 26  | 100.0 | .                          | .    |

. Indicates zero cases or zero percent

\* Homeless at any time during the 12 months prior to the initiation of TB diagnosis

\*\* Reporting jurisdictions with fewer than 5 cases

California Department of Public Health, Tuberculosis Control Branch

**Table 41. Tuberculosis Cases Among Persons in Long-term Care Facilities\*: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction    | Total Cases | Cases with Information on Residence in Long-term Care Facility |       | Cases Diagnosed in a Long-term Care Facility |      |
|---------------------------|-------------|--|-------|--|------|
|                           |             | No.  | %     | No.  | %    |
| California                | 2147        | 2146   | 100.0 | 62   | 2.9  |
| Alameda                   | 108         | 108  | 100.0 | 2  | 1.9  |
| Berkeley                  | 5           | 5  | 100.0 | .  | .    |
| Butte                     | 6           | 6  | 100.0 | .  | .    |
| Contra Costa              | 48          | 48   | 100.0 | 2  | 4.2  |
| El Dorado                 | 5           | 5  | 100.0 | .  | .    |
| Fresno                    | 51          | 51   | 100.0 | .  | .    |
| Imperial                  | 37          | 37   | 100.0 | .  | .    |
| Kern                      | 40          | 40   | 100.0 | 2  | 5.0  |
| Long Beach                | 30          | 30   | 100.0 | 1  | 3.3  |
| Los Angeles               | 587         | 587  | 100.0 | 22   | 3.7  |
| Madera                    | 8           | 8  | 100.0 | .  | .    |
| Marin                     | 9           | 9  | 100.0 | .  | .    |
| Merced                    | 6           | 6  | 100.0 | .  | .    |
| Monterey                  | 17          | 17   | 100.0 | .  | .    |
| Orange                    | 187         | 187  | 100.0 | 11   | 5.9  |
| Pasadena                  | 5           | 5  | 100.0 | 1  | 20.0 |
| Riverside                 | 65          | 65   | 100.0 | 1  | 1.5  |
| Sacramento                | 71          | 71   | 100.0 | 1  | 1.4  |
| San Bernardino            | 51          | 51   | 100.0 | .  | .    |
| San Diego                 | 220         | 220  | 100.0 | 3  | 1.4  |
| San Francisco             | 114         | 114  | 100.0 | 6  | 5.3  |
| San Joaquin               | 54          | 54   | 100.0 | 4  | 7.4  |
| San Mateo                 | 74          | 74   | 100.0 | 1  | 1.4  |
| Santa Barbara             | 29          | 29   | 100.0 | .  | .    |
| Santa Clara               | 163         | 162  | 99.4  | 1  | 0.6  |
| Santa Cruz                | 5           | 5  | 100.0 | .  | .    |
| Solano                    | 24          | 24   | 100.0 | 1  | 4.2  |
| Sonoma                    | 13          | 13   | 100.0 | .  | .    |
| Stanislaus                | 13          | 13   | 100.0 | 1  | 7.7  |
| Tulare                    | 17          | 17   | 100.0 | 1  | 5.9  |
| Ventura                   | 51          | 51   | 100.0 | 1  | 2.0  |
| Yolo                      | 8           | 8  | 100.0 | .  | .    |
| All Other Jurisdictions** | 26          | 26   | 100.0 | .  | .    |

. Indicates zero cases or zero percent

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

\*\* Reporting jurisdictions with fewer than 5 cases

California Department of Public Health, Tuberculosis Control Branch

**Table 42. Tuberculosis Cases Among Persons Using Injecting Drugs\*:  
Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction    | Total Cases | Cases with Information on Injecting Drug Use |       | Cases with Injecting Drug Use |      |
|---------------------------|-------------|--|-------|-------------------------------|------|
|                           |             | No.  | %     | No.                           | %    |
| California                | 2147        | 2109   | 98.2  | 29                            | 1.4  |
| Alameda                   | 108         | 108  | 100.0 | 1                             | 0.9  |
| Berkeley                  | 5           | 5  | 100.0 | .                             | .    |
| Butte                     | 6           | 6  | 100.0 | .                             | .    |
| Contra Costa              | 48          | 47   | 97.9  | .                             | .    |
| El Dorado                 | 5           | 5  | 100.0 | .                             | .    |
| Fresno                    | 51          | 51   | 100.0 | .                             | .    |
| Imperial                  | 37          | 36   | 97.3  | 2                             | 5.6  |
| Kern                      | 40          | 40   | 100.0 | 4                             | 10.0 |
| Long Beach                | 30          | 30   | 100.0 | 1                             | 3.3  |
| Los Angeles               | 587         | 569  | 96.9  | 7                             | 1.2  |
| Madera                    | 8           | 8  | 100.0 | .                             | .    |
| Marin                     | 9           | 9  | 100.0 | .                             | .    |
| Merced                    | 6           | 6  | 100.0 | .                             | .    |
| Monterey                  | 17          | 17   | 100.0 | .                             | .    |
| Orange                    | 187         | 186  | 99.5  | 1                             | 0.5  |
| Pasadena                  | 5           | 5  | 100.0 | .                             | .    |
| Riverside                 | 65          | 62   | 95.4  | 1                             | 1.6  |
| Sacramento                | 71          | 70   | 98.6  | 1                             | 1.4  |
| San Bernardino            | 51          | 49   | 96.1  | .                             | .    |
| San Diego                 | 220         | 220  | 100.0 | 6                             | 2.7  |
| San Francisco             | 114         | 113  | 99.1  | 1                             | 0.9  |
| San Joaquin               | 54          | 53   | 98.1  | .                             | .    |
| San Mateo                 | 74          | 73   | 98.6  | .                             | .    |
| Santa Barbara             | 29          | 29   | 100.0 | .                             | .    |
| Santa Clara               | 163         | 162  | 99.4  | 1                             | 0.6  |
| Santa Cruz                | 5           | 5  | 100.0 | .                             | .    |
| Solano                    | 24          | 23   | 95.8  | .                             | .    |
| Sonoma                    | 13          | 11   | 84.6  | .                             | .    |
| Stanislaus                | 13          | 13   | 100.0 | 2                             | 15.4 |
| Tulare                    | 17          | 16   | 94.1  | .                             | .    |
| Ventura                   | 51          | 51   | 100.0 | 1                             | 2.0  |
| Yolo                      | 8           | 7  | 87.5  | .                             | .    |
| All Other Jurisdictions** | 26          | 24   | 92.3  | .                             | .    |

. Indicates zero cases or zero percent

\* Injection drug use in the last 12 months

\*\* Reporting jurisdictions with fewer than 5 cases

California Department of Public Health, Tuberculosis Control Branch

**Table 43. Tuberculosis Cases Among Persons Using Non-injecting Drugs\*: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction     | Total Cases | Cases with Information on Non-injecting Drug Use |       | Cases with Non-injecting Drug Use** |      |
|----------------------------|-------------|--|-------|-------------------------------------|------|
|                            |             | No.  | %     | No.                                 | %    |
| California                 | 2147        | 2114   | 98.5  | 140                                 | 6.6  |
| Alameda                    | 108         | 107  | 99.1  | 7                                   | 6.5  |
| Berkeley                   | 5           | 5  | 100.0 | .                                   | .    |
| Butte                      | 6           | 6  | 100.0 | .                                   | .    |
| Contra Costa               | 48          | 47   | 97.9  | .                                   | .    |
| El Dorado                  | 5           | 5  | 100.0 | .                                   | .    |
| Fresno                     | 51          | 51   | 100.0 | 3                                   | 5.9  |
| Imperial                   | 37          | 36   | 97.3  | 8                                   | 22.2 |
| Kern                       | 40          | 40   | 100.0 | 13                                  | 32.5 |
| Long Beach                 | 30          | 30   | 100.0 | 2                                   | 6.7  |
| Los Angeles                | 587         | 575  | 98.0  | 36                                  | 6.3  |
| Madera                     | 8           | 8  | 100.0 | 2                                   | 25.0 |
| Marin                      | 9           | 9  | 100.0 | .                                   | .    |
| Merced                     | 6           | 6  | 100.0 | 1                                   | 16.7 |
| Monterey                   | 17          | 17   | 100.0 | .                                   | .    |
| Orange                     | 187         | 186  | 99.5  | 4                                   | 2.2  |
| Pasadena                   | 5           | 5  | 100.0 | .                                   | .    |
| Riverside                  | 65          | 62   | 95.4  | .                                   | .    |
| Sacramento                 | 71          | 70   | 98.6  | 1                                   | 1.4  |
| San Bernardino             | 51          | 49   | 96.1  | 1                                   | 2.0  |
| San Diego                  | 220         | 220  | 100.0 | 30                                  | 13.6 |
| San Francisco              | 114         | 114  | 100.0 | 7                                   | 6.1  |
| San Joaquin                | 54          | 53   | 98.1  | 9                                   | 17.0 |
| San Mateo                  | 74          | 73   | 98.6  | 1                                   | 1.4  |
| Santa Barbara              | 29          | 29   | 100.0 | 2                                   | 6.9  |
| Santa Clara                | 163         | 162  | 99.4  | 2                                   | 1.2  |
| Santa Cruz                 | 5           | 5  | 100.0 | 1                                   | 20.0 |
| Solano                     | 24          | 24   | 100.0 | 2                                   | 8.3  |
| Sonoma                     | 13          | 9  | 69.2  | .                                   | .    |
| Stanislaus                 | 13          | 13   | 100.0 | 1                                   | 7.7  |
| Tulare                     | 17          | 16   | 94.1  | 3                                   | 18.8 |
| Ventura                    | 51          | 51   | 100.0 | 3                                   | 5.9  |
| Yolo                       | 8           | 7  | 87.5  | .                                   | .    |
| All Other Jurisdictions*** | 26          | 24   | 92.3  | 1                                   | 4.2  |

. Indicates zero cases or zero percent

\* Non-injection drug use in the last 12 months

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

\*\*\* Reporting jurisdictions with fewer than 5 cases

California Department of Public Health, Tuberculosis Control Branch

**Table 44. Tuberculosis Cases Among Persons Using Excess Alcohol\*: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction    | Total Cases | Cases with Information on Excess Alcohol Use |       | Cases with Excess Alcohol Use |      |
|---------------------------|-------------|--|-------|-------------------------------|------|
|                           |             | No.  | %     | No.                           | %    |
| California                | 2147        | 2120   | 98.7  | 159                           | 7.5  |
| Alameda                   | 108         | 108  | 100.0 | 9                             | 8.3  |
| Berkeley                  | 5           | 5  | 100.0 | .                             | .    |
| Butte                     | 6           | 6  | 100.0 | .                             | .    |
| Contra Costa              | 48          | 48   | 100.0 | 3                             | 6.3  |
| El Dorado                 | 5           | 5  | 100.0 | .                             | .    |
| Fresno                    | 51          | 51   | 100.0 | 4                             | 7.8  |
| Imperial                  | 37          | 37   | 100.0 | 1                             | 2.7  |
| Kern                      | 40          | 39   | 97.5  | 6                             | 15.4 |
| Long Beach                | 30          | 30   | 100.0 | 1                             | 3.3  |
| Los Angeles               | 587         | 577  | 98.3  | 47                            | 8.1  |
| Madera                    | 8           | 8  | 100.0 | 3                             | 37.5 |
| Marin                     | 9           | 9  | 100.0 | .                             | .    |
| Merced                    | 6           | 6  | 100.0 | 2                             | 33.3 |
| Monterey                  | 17          | 17   | 100.0 | 1                             | 5.9  |
| Orange                    | 187         | 186  | 99.5  | 11                            | 5.9  |
| Pasadena                  | 5           | 5  | 100.0 | .                             | .    |
| Riverside                 | 65          | 62   | 95.4  | .                             | .    |
| Sacramento                | 71          | 71   | 100.0 | 2                             | 2.8  |
| San Bernardino            | 51          | 49   | 96.1  | 1                             | 2.0  |
| San Diego                 | 220         | 220  | 100.0 | 24                            | 10.9 |
| San Francisco             | 114         | 114  | 100.0 | 9                             | 7.9  |
| San Joaquin               | 54          | 53   | 98.1  | 10                            | 18.9 |
| San Mateo                 | 74          | 73   | 98.6  | 1                             | 1.4  |
| Santa Barbara             | 29          | 29   | 100.0 | 7                             | 24.1 |
| Santa Clara               | 163         | 161  | 98.8  | 4                             | 2.5  |
| Santa Cruz                | 5           | 5  | 100.0 | .                             | .    |
| Solano                    | 24          | 24   | 100.0 | 1                             | 4.2  |
| Sonoma                    | 13          | 11   | 84.6  | .                             | .    |
| Stanislaus                | 13          | 13   | 100.0 | 2                             | 15.4 |
| Tulare                    | 17          | 16   | 94.1  | 4                             | 25.0 |
| Ventura                   | 51          | 51   | 100.0 | 4                             | 7.8  |
| Yolo                      | 8           | 7  | 87.5  | .                             | .    |
| All Other Jurisdictions** | 26          | 24   | 92.3  | 2                             | 8.3  |

. Indicates zero cases or zero percent

\* Excess alcohol use in the last 12 months

\*\* Reporting jurisdictions with fewer than 5 cases

California Department of Public Health, Tuberculosis Control Branch

**Table 45. Tuberculosis Cases by Occupation\*, Age >= 15: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction   | Cases Age >= 15 | Cases with Information on Occupation |       | Health Care Worker |      | Correctional Facility Employee |     | Migrant/ Seasonal Worker |      | Other Occupation |      | Retired** |      | Unemployed** |      | Not Seeking Employment** |      |
|--------------------------|-----------------|--------------------------------------|-------|--------------------|------|--------------------------------|-----|--------------------------|------|------------------|------|-----------|------|--------------|------|--------------------------|------|
|                          |                 | No.                                  | %     | No.                | %    | No.                            | %   | No.                      | %    | No.              | %    | No.       | %    | No.          | %    | No.                      | %    |
| California               | 2056            | 2037                                 | 99.1  | 79                 | 3.9  | 1                              | 0.0 | 56                       | 2.7  | 636              | 31.2 | 492       | 24.2 | 420          | 20.6 | 353                      | 17.3 |
| Alameda                  | 106             | 105                                  | 99.1  | 3                  | 2.9  | .                              | .   | 1                        | 1.0  | 36               | 34.3 | 3         | 2.9  | 17           | 16.2 | 45                       | 42.9 |
| Berkeley                 | 4               | 4                                    | 100.0 | .                  | .    | .                              | .   | .                        | .    | 2                | 50.0 | .         | .    | .            | .    | 2                        | 50.0 |
| Butte                    | 6               | 6                                    | 100.0 | .                  | .    | .                              | .   | .                        | .    | 2                | 33.3 | .         | .    | 2            | 33.3 | 2                        | 33.3 |
| Contra Costa             | 47              | 47                                   | 100.0 | 5                  | 10.6 | .                              | .   | .                        | .    | 20               | 42.6 | 12        | 25.5 | 6            | 12.8 | 4                        | 8.5  |
| El Dorado                | 5               | 5                                    | 100.0 | .                  | .    | .                              | .   | .                        | .    | 1                | 20.0 | 3         | 60.0 | 1            | 20.0 | .                        | .    |
| Fresno                   | 50              | 50                                   | 100.0 | 1                  | 2.0  | .                              | .   | 8                        | 16.0 | 8                | 16.0 | 9         | 18.0 | 1            | 2.0  | 23                       | 46.0 |
| Imperial                 | 36              | 36                                   | 100.0 | .                  | .    | .                              | .   | 4                        | 11.1 | 5                | 13.9 | 4         | 11.1 | 12           | 33.3 | 11                       | 30.6 |
| Kern                     | 38              | 38                                   | 100.0 | 3                  | 7.9  | .                              | .   | 5                        | 13.2 | 8                | 21.1 | 7         | 18.4 | 11           | 28.9 | 4                        | 10.5 |
| Long Beach               | 29              | 29                                   | 100.0 | 1                  | 3.4  | .                              | .   | .                        | .    | 7                | 24.1 | 4         | 13.8 | 4            | 13.8 | 13                       | 44.8 |
| Los Angeles              | 564             | 555                                  | 98.4  | 17                 | 3.1  | .                              | .   | .                        | .    | 178              | 32.1 | 166       | 29.9 | 161          | 29.0 | 33                       | 5.9  |
| Madera                   | 8               | 8                                    | 100.0 | .                  | .    | .                              | .   | 4                        | 50.0 | 1                | 12.5 | .         | .    | .            | .    | 3                        | 37.5 |
| Marin                    | 9               | 9                                    | 100.0 | .                  | .    | .                              | .   | .                        | .    | 3                | 33.3 | 5         | 55.6 | 1            | 11.1 | .                        | .    |
| Merced                   | 5               | 5                                    | 100.0 | .                  | .    | .                              | .   | 1                        | 20.0 | 1                | 20.0 | 1         | 20.0 | .            | .    | 2                        | 40.0 |
| Monterey                 | 15              | 15                                   | 100.0 | .                  | .    | .                              | .   | 4                        | 26.7 | 4                | 26.7 | 4         | 26.7 | .            | .    | 3                        | 20.0 |
| Orange                   | 182             | 182                                  | 100.0 | 8                  | 4.4  | .                              | .   | .                        | .    | 71               | 39.0 | 60        | 33.0 | 23           | 12.6 | 20                       | 11.0 |
| Pasadena                 | 5               | 5                                    | 100.0 | .                  | .    | .                              | .   | .                        | .    | 1                | 20.0 | 2         | 40.0 | .            | .    | 2                        | 40.0 |
| Riverside                | 60              | 56                                   | 93.3  | .                  | .    | .                              | .   | .                        | .    | 15               | 26.8 | 16        | 28.6 | 8            | 14.3 | 17                       | 30.4 |
| Sacramento               | 69              | 69                                   | 100.0 | .                  | .    | .                              | .   | .                        | .    | 9                | 13.0 | 14        | 20.3 | 17           | 24.6 | 29                       | 42.0 |
| San Bernardino           | 47              | 47                                   | 100.0 | 4                  | 8.5  | .                              | .   | .                        | .    | 12               | 25.5 | 9         | 19.1 | 12           | 25.5 | 10                       | 21.3 |
| San Diego                | 211             | 211                                  | 100.0 | 5                  | 2.4  | 1                              | 0.5 | 1                        | 0.5  | 71               | 33.6 | 38        | 18.0 | 63           | 29.9 | 32                       | 15.2 |
| San Francisco            | 113             | 113                                  | 100.0 | 2                  | 1.8  | .                              | .   | .                        | .    | 32               | 28.3 | 37        | 32.7 | 38           | 33.6 | 4                        | 3.5  |
| San Joaquin              | 49              | 47                                   | 95.9  | 7                  | 14.9 | .                              | .   | 4                        | 8.5  | 7                | 14.9 | 10        | 21.3 | 3            | 6.4  | 16                       | 34.0 |
| San Mateo                | 71              | 71                                   | 100.0 | 6                  | 8.5  | .                              | .   | 1                        | 1.4  | 23               | 32.4 | 17        | 23.9 | 4            | 5.6  | 20                       | 28.2 |
| Santa Barbara            | 26              | 26                                   | 100.0 | 1                  | 3.8  | .                              | .   | 5                        | 19.2 | 7                | 26.9 | 2         | 7.7  | 2            | 7.7  | 9                        | 34.6 |
| Santa Clara              | 157             | 156                                  | 99.4  | 7                  | 4.5  | .                              | .   | 2                        | 1.3  | 72               | 46.2 | 38        | 24.4 | 19           | 12.2 | 18                       | 11.5 |
| Santa Cruz               | 5               | 5                                    | 100.0 | .                  | .    | .                              | .   | 1                        | 20.0 | 2                | 40.0 | 1         | 20.0 | .            | .    | 1                        | 20.0 |
| Solano                   | 24              | 24                                   | 100.0 | 3                  | 12.5 | .                              | .   | .                        | .    | 5                | 20.8 | 11        | 45.8 | 5            | 20.8 | .                        | .    |
| Sonoma                   | 12              | 10                                   | 83.3  | 1                  | 10.0 | .                              | .   | .                        | .    | 3                | 30.0 | 1         | 10.0 | 4            | 40.0 | 1                        | 10.0 |
| Stanislaus               | 10              | 10                                   | 100.0 | 1                  | 10.0 | .                              | .   | .                        | .    | 5                | 50.0 | 3         | 30.0 | 1            | 10.0 | .                        | .    |
| Tulare                   | 14              | 14                                   | 100.0 | .                  | .    | .                              | .   | 2                        | 14.3 | 4                | 28.6 | 2         | 14.3 | .            | .    | 6                        | 42.9 |
| Ventura                  | 47              | 47                                   | 100.0 | 2                  | 4.3  | .                              | .   | 10                       | 21.3 | 8                | 17.0 | 7         | 14.9 | 1            | 2.1  | 19                       | 40.4 |
| Yolo                     | 8               | 8                                    | 100.0 | .                  | .    | .                              | .   | .                        | .    | 6                | 75.0 | 1         | 12.5 | 1            | 12.5 | .                        | .    |
| All Other Jurisdictions† | 24              | 24                                   | 100.0 | 2                  | 8.3  | .                              | .   | 3                        | 12.5 | 7                | 29.2 | 5         | 20.8 | 3            | 12.5 | 4                        | 16.7 |

\* Primary occupation in the last 12 months

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

† Reporting jurisdictions with fewer than 5 cases

California Department of Public Health, Tuberculosis Control Branch

**Table 46. Tuberculosis Cases by Initial Drug Susceptibility Testing: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Cases | Total Culture Positive Cases | Cases with Initial Drug Susceptibility Testing |       |
|------------------------|-------------|------------------------------|--|-------|
|                        |             |                              | No.  | %     |
| California             | 2147        | 1719                         | 1612   | 93.8  |
| Alameda                | 108         | 79                           | 71   | 89.9  |
| Alpine                 | .           | .                            | .  | .     |
| Amador                 | .           | .                            | .  | .     |
| Berkeley               | 5           | 2                            | 2  | 100.0 |
| Butte                  | 6           | 4                            | 4  | 100.0 |
| Calaveras              | 1           | 1                            | 1  | 100.0 |
| Colusa                 | .           | .                            | .  | .     |
| Contra Costa           | 48          | 39                           | 39   | 100.0 |
| Del Norte              | .           | .                            | .  | .     |
| El Dorado              | 5           | 2                            | 2  | 100.0 |
| Fresno                 | 51          | 47                           | 45   | 95.7  |
| Glenn                  | .           | .                            | .  | .     |
| Humboldt               | 2           | 2                            | 2  | 100.0 |
| Imperial               | 37          | 27                           | 27   | 100.0 |
| Inyo                   | .           | .                            | .  | .     |
| Kern                   | 40          | 33                           | 32   | 97.0  |
| Kings                  | 3           | 3                            | 3  | 100.0 |
| Lake                   | .           | .                            | .  | .     |
| Lassen                 | .           | .                            | .  | .     |
| Long Beach             | 30          | 22                           | 22   | 100.0 |
| Los Angeles            | 587         | 474                          | 459  | 96.8  |
| Madera                 | 8           | 8                            | 8  | 100.0 |
| Marin                  | 9           | 5                            | 5  | 100.0 |
| Mariposa               | .           | .                            | .  | .     |
| Mendocino              | 1           | 1                            | 1  | 100.0 |
| Merced                 | 6           | 4                            | 2  | 50.0  |
| Modoc                  | .           | .                            | .  | .     |
| Mono                   | .           | .                            | .  | .     |
| Monterey               | 17          | 14                           | 12   | 85.7  |
| Napa                   | 3           | 3                            | 3  | 100.0 |
| Nevada                 | .           | .                            | .  | .     |
| Orange                 | 187         | 165                          | 159  | 96.4  |
| Pasadena               | 5           | 3                            | 3  | 100.0 |
| Placer                 | 4           | 2                            | 2  | 100.0 |
| Plumas                 | .           | .                            | .  | .     |
| Riverside              | 65          | 57                           | 55   | 96.5  |
| Sacramento             | 71          | 59                           | 54   | 91.5  |
| San Benito             | 2           | 1                            | 1  | 100.0 |
| San Bernardino         | 51          | 34                           | 32   | 94.1  |
| San Diego              | 220         | 187                          | 187  | 100.0 |
| San Francisco          | 114         | 93                           | 93   | 100.0 |
| San Joaquin            | 54          | 38                           | 37   | 97.4  |
| San Luis Obispo        | 3           | 2                            | 2  | 100.0 |
| San Mateo              | 74          | 57                           | 56   | 98.2  |
| Santa Barbara          | 29          | 26                           | 26   | 100.0 |
| Santa Clara            | 163         | 133                          | 91   | 68.4  |
| Santa Cruz             | 5           | 4                            | 4  | 100.0 |

**Table 46. Tuberculosis Cases by Initial Drug Susceptibility Testing: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Cases | Total Culture Positive Cases | Cases with Initial Drug Susceptibility Testing |       |
|------------------------|-------------|------------------------------|--|-------|
|                        |             |                              | No.  | %     |
| Shasta                 | 2           | 2                            | 2  | 100.0 |
| Sierra                 | .           | .                            | .  | .     |
| Siskiyou               | 1           | .                            | .  | .     |
| Solano                 | 24          | 19                           | 18   | 94.7  |
| Sonoma                 | 13          | 9                            | 5  | 55.6  |
| Stanislaus             | 13          | 10                           | 10   | 100.0 |
| Sutter                 | 2           | 1                            | 1  | 100.0 |
| Tehama                 | .           | .                            | .  | .     |
| Trinity                | .           | .                            | .  | .     |
| Tulare                 | 17          | 11                           | .  | .     |
| Tuolumne               | .           | .                            | .  | .     |
| Ventura                | 51          | 28                           | 26   | 92.9  |
| Yolo                   | 8           | 6                            | 6  | 100.0 |
| Yuba                   | 2           | 2                            | 2  | 100.0 |

. Indicates zero cases or zero percent

California Department of Public Health, Tuberculosis Control Branch

**Table 47. Tuberculosis Cases by Resistance to Isoniazid and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Culture Positive Cases | Total Cases* with INH** Susceptibility Testing | Total Cases with Resistance to INH |      | No Prior TB                         |                              |      | Prior TB                            |                              |      |
|------------------------|------------------------------|--|------------------------------------|------|-------------------------------------|------------------------------|------|-------------------------------------|------------------------------|------|
|                        |                              |  | No.                                | %    | No. with INH Susceptibility Testing | Cases with Resistance to INH |      | No. with INH Susceptibility Testing | Cases with Resistance to INH |      |
|                        |                              |  |                                    |      |                                     | No.                          | %    |                                     | No.                          | %    |
| California             | 1719                         | 1608   | 158                                | 9.8  | 1524                                | 145                          | 9.5  | 78                                  | 13                           | 16.7 |
| Alameda                | 79                           | 70   | 15                                 | 21.4 | 65                                  | 14                           | 21.5 | 5                                   | 1                            | 20.0 |
| Alpine                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Amador                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Berkeley               | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .    |
| Butte                  | 4                            | 3  | 1                                  | 33.3 | 3                                   | 1                            | 33.3 | .                                   | .                            | .    |
| Calaveras              | 1                            | 1  | .                                  | .    | 1                                   | .                            | .    | .                                   | .                            | .    |
| Colusa                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Contra Costa           | 39                           | 39   | 6                                  | 15.4 | 35                                  | 6                            | 17.1 | 4                                   | .                            | .    |
| Del Norte              | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| El Dorado              | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .    |
| Fresno                 | 47                           | 45   | 4                                  | 8.9  | 44                                  | 4                            | 9.1  | 1                                   | .                            | .    |
| Glenn                  | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Humboldt               | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .    |
| Imperial               | 27                           | 27   | 1                                  | 3.7  | 27                                  | 1                            | 3.7  | .                                   | .                            | .    |
| Inyo                   | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Kern                   | 33                           | 32   | 3                                  | 9.4  | 32                                  | 3                            | 9.4  | .                                   | .                            | .    |
| Kings                  | 3                            | 3  | .                                  | .    | 3                                   | .                            | .    | .                                   | .                            | .    |
| Lake                   | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Lassen                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Long Beach             | 22                           | 22   | 2                                  | 9.1  | 21                                  | 2                            | 9.5  | 1                                   | .                            | .    |
| Los Angeles            | 474                          | 459  | 50                                 | 10.9 | 435                                 | 46                           | 10.6 | 24                                  | 4                            | 16.7 |
| Madera                 | 8                            | 8  | 3                                  | 37.5 | 8                                   | 3                            | 37.5 | .                                   | .                            | .    |
| Marin                  | 5                            | 5  | .                                  | .    | 5                                   | .                            | .    | .                                   | .                            | .    |
| Mariposa               | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Mendocino              | 1                            | 1  | .                                  | .    | 1                                   | .                            | .    | .                                   | .                            | .    |
| Merced                 | 4                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .    |
| Modoc                  | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Mono                   | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Monterey               | 14                           | 12   | 2                                  | 16.7 | 11                                  | 2                            | 18.2 | 1                                   | .                            | .    |
| Napa                   | 3                            | 3  | .                                  | .    | 3                                   | .                            | .    | .                                   | .                            | .    |
| Nevada                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Orange                 | 165                          | 158  | 17                                 | 10.8 | 148                                 | 12                           | 8.1  | 10                                  | 5                            | 50.0 |
| Pasadena               | 3                            | 3  | .                                  | .    | 3                                   | .                            | .    | .                                   | .                            | .    |
| Placer                 | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .    |
| Plumas                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Riverside              | 57                           | 55   | 5                                  | 9.1  | 51                                  | 5                            | 9.8  | 2                                   | .                            | .    |
| Sacramento             | 59                           | 54   | 6                                  | 11.1 | 51                                  | 5                            | 9.8  | 2                                   | 1                            | 50.0 |
| San Benito             | 1                            | 1  | .                                  | .    | 1                                   | .                            | .    | .                                   | .                            | .    |
| San Bernardino         | 34                           | 32   | 2                                  | 6.3  | 31                                  | 2                            | 6.5  | 1                                   | .                            | .    |
| San Diego              | 187                          | 187  | 12                                 | 6.4  | 177                                 | 11                           | 6.2  | 10                                  | 1                            | 10.0 |
| San Francisco          | 93                           | 93   | 10                                 | 10.8 | 87                                  | 10                           | 11.5 | 6                                   | .                            | .    |
| San Joaquin            | 38                           | 37   | 3                                  | 8.1  | 35                                  | 3                            | 8.6  | 2                                   | .                            | .    |
| San Luis Obispo        | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .    |

**Table 47. Tuberculosis Cases by Resistance to Isoniazid and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Culture Positive Cases | Total Cases* with INH** Susceptibility Testing | Total Cases with Resistance to INH |      | 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.                                | %    |                                     | No.                          | %    |                                     | No.                          | %     |
| San Mateo              | 57                           | 56   | 1                                  | 1.8  | 54                                  | 1                            | 1.9  | 2                                   | .                            | .     |
| Santa Barbara          | 26                           | 26   | 1                                  | 3.8  | 25                                  | 1                            | 4.0  | 1                                   | .                            | .     |
| Santa Clara            | 133                          | 90   | 8                                  | 8.9  | 82                                  | 8                            | 9.8  | 5                                   | .                            | .     |
| Santa Cruz             | 4                            | 4  | 1                                  | 25.0 | 4                                   | 1                            | 25.0 | .                                   | .                            | .     |
| Shasta                 | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .     |
| Sierra                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .     |
| Siskiyou               | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .     |
| Solano                 | 19                           | 18   | 3                                  | 16.7 | 17                                  | 2                            | 11.8 | 1                                   | 1                            | 100.0 |
| Sonoma                 | 9                            | 5  | .                                  | .    | 5                                   | .                            | .    | .                                   | .                            | .     |
| Stanislaus             | 10                           | 10   | .                                  | .    | 10                                  | .                            | .    | .                                   | .                            | .     |
| Sutter                 | 1                            | 1  | .                                  | .    | 1                                   | .                            | .    | .                                   | .                            | .     |
| Tehama                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .     |
| Trinity                | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .     |
| Tulare                 | 11                           | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .     |
| Tuolumne               | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .     |
| Ventura                | 28                           | 26   | 1                                  | 3.8  | 26                                  | 1                            | 3.8  | .                                   | .                            | .     |
| Yolo                   | 6                            | 6  | .                                  | .    | 6                                   | .                            | .    | .                                   | .                            | .     |
| Yuba                   | 2                            | 2  | 1                                  | 50.0 | 2                                   | 1                            | 50.0 | .                                   | .                            | .     |

. Indicates zero cases or zero percent

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

\*\* INH=isoniazid

California Department of Public Health, Tuberculosis Control Branch

**Table 48. Tuberculosis Cases by Resistance to Rifampin and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Culture Positive Cases | Total Cases* with RIF** Susceptibility Testing | Total Cases with Resistance to RIF |      | 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.                                | %    |                                     | No.                          | %    |                                     | No.                          | %   |
| California             | 1719                         | 1611   | 21                                 | 1.3  | 1527                                | 20                           | 1.3  | 78                                  | 1                            | 1.3 |
| Alameda                | 79                           | 71   | 1                                  | 1.4  | 66                                  | 1                            | 1.5  | 5                                   | .                            | .   |
| Alpine                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .   |
| Amador                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .   |
| Berkeley               | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .   |
| Butte                  | 4                            | 4  | 1                                  | 25.0 | 4                                   | 1                            | 25.0 | .                                   | .                            | .   |
| Calaveras              | 1                            | 1  | .                                  | .    | 1                                   | .                            | .    | .                                   | .                            | .   |
| Colusa                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .   |
| Contra Costa           | 39                           | 39   | .                                  | .    | 35                                  | .                            | .    | 4                                   | .                            | .   |
| Del Norte              | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .   |
| El Dorado              | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .   |
| Fresno                 | 47                           | 45   | 2                                  | 4.4  | 44                                  | 2                            | 4.5  | 1                                   | .                            | .   |
| Glenn                  | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .   |
| Humboldt               | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .   |
| Imperial               | 27                           | 27   | 1                                  | 3.7  | 27                                  | 1                            | 3.7  | .                                   | .                            | .   |
| Inyo                   | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .   |
| Kern                   | 33                           | 32   | .                                  | .    | 32                                  | .                            | .    | .                                   | .                            | .   |
| Kings                  | 3                            | 3  | .                                  | .    | 3                                   | .                            | .    | .                                   | .                            | .   |
| Lake                   | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .   |
| Lassen                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .   |
| Long Beach             | 22                           | 22   | .                                  | .    | 21                                  | .                            | .    | 1                                   | .                            | .   |
| Los Angeles            | 474                          | 459  | 8                                  | 1.7  | 435                                 | 8                            | 1.8  | 24                                  | .                            | .   |
| Madera                 | 8                            | 8  | .                                  | .    | 8                                   | .                            | .    | .                                   | .                            | .   |
| Marin                  | 5                            | 5  | .                                  | .    | 5                                   | .                            | .    | .                                   | .                            | .   |
| Mariposa               | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .   |
| Mendocino              | 1                            | 1  | .                                  | .    | 1                                   | .                            | .    | .                                   | .                            | .   |
| Merced                 | 4                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .   |
| Modoc                  | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .   |
| Mono                   | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .   |
| Monterey               | 14                           | 12   | .                                  | .    | 11                                  | .                            | .    | 1                                   | .                            | .   |
| Napa                   | 3                            | 3  | .                                  | .    | 3                                   | .                            | .    | .                                   | .                            | .   |
| Nevada                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .   |
| Orange                 | 165                          | 159  | .                                  | .    | 149                                 | .                            | .    | 10                                  | .                            | .   |
| Pasadena               | 3                            | 3  | .                                  | .    | 3                                   | .                            | .    | .                                   | .                            | .   |
| Placer                 | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .   |
| Plumas                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .   |
| Riverside              | 57                           | 55   | .                                  | .    | 51                                  | .                            | .    | 2                                   | .                            | .   |
| Sacramento             | 59                           | 54   | .                                  | .    | 51                                  | .                            | .    | 2                                   | .                            | .   |
| San Benito             | 1                            | 1  | .                                  | .    | 1                                   | .                            | .    | .                                   | .                            | .   |
| San Bernardino         | 34                           | 32   | 1                                  | 3.1  | 31                                  | 1                            | 3.2  | 1                                   | .                            | .   |
| San Diego              | 187                          | 187  | 2                                  | 1.1  | 177                                 | 2                            | 1.1  | 10                                  | .                            | .   |
| San Francisco          | 93                           | 93   | 2                                  | 2.2  | 87                                  | 2                            | 2.3  | 6                                   | .                            | .   |
| San Joaquin            | 38                           | 37   | .                                  | .    | 35                                  | .                            | .    | 2                                   | .                            | .   |
| San Luis Obispo        | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .   |

**Table 48. Tuberculosis Cases by Resistance to Rifampin and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Culture Positive Cases | Total Cases* with RIF** Susceptibility Testing | Total Cases with Resistance to RIF |     | 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.                          | %   |                                     | No.                          | %     |
| San Mateo              | 57                           | 56   | .                                  | .   | 54                                  | .                            | .   | 2                                   | .                            | .     |
| Santa Barbara          | 26                           | 26   | .                                  | .   | 25                                  | .                            | .   | 1                                   | .                            | .     |
| Santa Clara            | 133                          | 90   | 1                                  | 1.1 | 82                                  | 1                            | 1.2 | 5                                   | .                            | .     |
| Santa Cruz             | 4                            | 4  | .                                  | .   | 4                                   | .                            | .   | .                                   | .                            | .     |
| Shasta                 | 2                            | 2  | .                                  | .   | 2                                   | .                            | .   | .                                   | .                            | .     |
| Sierra                 | .                            | .  | .                                  | .   | .                                   | .                            | .   | .                                   | .                            | .     |
| Siskiyou               | .                            | .  | .                                  | .   | .                                   | .                            | .   | .                                   | .                            | .     |
| Solano                 | 19                           | 18   | 1                                  | 5.6 | 17                                  | .                            | .   | 1                                   | 1                            | 100.0 |
| Sonoma                 | 9                            | 5  | .                                  | .   | 5                                   | .                            | .   | .                                   | .                            | .     |
| Stanislaus             | 10                           | 10   | .                                  | .   | 10                                  | .                            | .   | .                                   | .                            | .     |
| Sutter                 | 1                            | 1  | .                                  | .   | 1                                   | .                            | .   | .                                   | .                            | .     |
| Tehama                 | .                            | .  | .                                  | .   | .                                   | .                            | .   | .                                   | .                            | .     |
| Trinity                | .                            | .  | .                                  | .   | .                                   | .                            | .   | .                                   | .                            | .     |
| Tulare                 | 11                           | .  | .                                  | .   | .                                   | .                            | .   | .                                   | .                            | .     |
| Tuolumne               | .                            | .  | .                                  | .   | .                                   | .                            | .   | .                                   | .                            | .     |
| Ventura                | 28                           | 26   | 1                                  | 3.8 | 26                                  | 1                            | 3.8 | .                                   | .                            | .     |
| Yolo                   | 6                            | 6  | .                                  | .   | 6                                   | .                            | .   | .                                   | .                            | .     |
| Yuba                   | 2                            | 2  | .                                  | .   | 2                                   | .                            | .   | .                                   | .                            | .     |

. Indicates zero cases or zero percent

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

\*\* RIF=rifampin

California Department of Public Health, Tuberculosis Control Branch

**Table 49. Tuberculosis Cases by Resistance to Ethambutol and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Culture Positive Cases | Total Cases* with EMB** Susceptibility Testing | Total Cases with Resistance to EMB |      | No Prior TB                         |                              |      | Prior TB                            |                              |      |
|------------------------|------------------------------|--|------------------------------------|------|-------------------------------------|------------------------------|------|-------------------------------------|------------------------------|------|
|                        |                              |  | No.                                | %    | No. with EMB Susceptibility Testing | Cases with Resistance to EMB |      | No. with EMB Susceptibility Testing | Cases with Resistance to EMB |      |
|                        |                              |  |                                    |      |                                     | No.                          | %    |                                     | No.                          | %    |
| California             | 1719                         | 1606   | 13                                 | 0.8  | 1523                                | 11                           | 0.7  | 77                                  | 2                            | 2.6  |
| Alameda                | 79                           | 70   | 1                                  | 1.4  | 66                                  | 1                            | 1.5  | 4                                   | .                            | .    |
| Alpine                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Amador                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Berkeley               | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .    |
| Butte                  | 4                            | 4  | 1                                  | 25.0 | 4                                   | 1                            | 25.0 | .                                   | .                            | .    |
| Calaveras              | 1                            | 1  | .                                  | .    | 1                                   | .                            | .    | .                                   | .                            | .    |
| Colusa                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Contra Costa           | 39                           | 39   | .                                  | .    | 35                                  | .                            | .    | 4                                   | .                            | .    |
| Del Norte              | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| El Dorado              | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .    |
| Fresno                 | 47                           | 45   | 2                                  | 4.4  | 44                                  | 2                            | 4.5  | 1                                   | .                            | .    |
| Glenn                  | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Humboldt               | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .    |
| Imperial               | 27                           | 27   | .                                  | .    | 27                                  | .                            | .    | .                                   | .                            | .    |
| Inyo                   | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Kern                   | 33                           | 31   | .                                  | .    | 31                                  | .                            | .    | .                                   | .                            | .    |
| Kings                  | 3                            | 3  | .                                  | .    | 3                                   | .                            | .    | .                                   | .                            | .    |
| Lake                   | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Lassen                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Long Beach             | 22                           | 22   | .                                  | .    | 21                                  | .                            | .    | 1                                   | .                            | .    |
| Los Angeles            | 474                          | 458  | 2                                  | 0.4  | 434                                 | 2                            | 0.5  | 24                                  | .                            | .    |
| Madera                 | 8                            | 8  | .                                  | .    | 8                                   | .                            | .    | .                                   | .                            | .    |
| Marin                  | 5                            | 5  | .                                  | .    | 5                                   | .                            | .    | .                                   | .                            | .    |
| Mariposa               | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Mendocino              | 1                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Merced                 | 4                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .    |
| Modoc                  | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Mono                   | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Monterey               | 14                           | 12   | .                                  | .    | 11                                  | .                            | .    | 1                                   | .                            | .    |
| Napa                   | 3                            | 3  | .                                  | .    | 3                                   | .                            | .    | .                                   | .                            | .    |
| Nevada                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Orange                 | 165                          | 159  | 2                                  | 1.3  | 149                                 | 1                            | 0.7  | 10                                  | 1                            | 10.0 |
| Pasadena               | 3                            | 3  | .                                  | .    | 3                                   | .                            | .    | .                                   | .                            | .    |
| Placer                 | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .    |
| Plumas                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .    |
| Riverside              | 57                           | 55   | .                                  | .    | 51                                  | .                            | .    | 2                                   | .                            | .    |
| Sacramento             | 59                           | 54   | .                                  | .    | 51                                  | .                            | .    | 2                                   | .                            | .    |
| San Benito             | 1                            | 1  | .                                  | .    | 1                                   | .                            | .    | .                                   | .                            | .    |
| San Bernardino         | 34                           | 32   | 1                                  | 3.1  | 31                                  | 1                            | 3.2  | 1                                   | .                            | .    |
| San Diego              | 187                          | 187  | 1                                  | 0.5  | 177                                 | 1                            | 0.6  | 10                                  | .                            | .    |
| San Francisco          | 93                           | 93   | 1                                  | 1.1  | 87                                  | 1                            | 1.1  | 6                                   | .                            | .    |
| San Joaquin            | 38                           | 37   | .                                  | .    | 35                                  | .                            | .    | 2                                   | .                            | .    |
| San Luis Obispo        | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .    |

**Table 49. Tuberculosis Cases by Resistance to Ethambutol and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Culture Positive Cases | Total Cases* with EMB** Susceptibility Testing | Total Cases with Resistance to EMB |     | 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.                                | %   |                                     | No.                          | %   |                                     | No.                          | %     |
| San Mateo              | 57                           | 55   | .                                  | .   | 53                                  | .                            | .   | 2                                   | .                            | .     |
| Santa Barbara          | 26                           | 26   | .                                  | .   | 25                                  | .                            | .   | 1                                   | .                            | .     |
| Santa Clara            | 133                          | 90   | 1                                  | 1.1 | 82                                  | 1                            | 1.2 | 5                                   | .                            | .     |
| Santa Cruz             | 4                            | 4  | .                                  | .   | 4                                   | .                            | .   | .                                   | .                            | .     |
| Shasta                 | 2                            | 2  | .                                  | .   | 2                                   | .                            | .   | .                                   | .                            | .     |
| Sierra                 | .                            | .  | .                                  | .   | .                                   | .                            | .   | .                                   | .                            | .     |
| Siskiyou               | .                            | .  | .                                  | .   | .                                   | .                            | .   | .                                   | .                            | .     |
| Solano                 | 19                           | 18   | 1                                  | 5.6 | 17                                  | .                            | .   | 1                                   | 1                            | 100.0 |
| Sonoma                 | 9                            | 5  | .                                  | .   | 5                                   | .                            | .   | .                                   | .                            | .     |
| Stanislaus             | 10                           | 10   | .                                  | .   | 10                                  | .                            | .   | .                                   | .                            | .     |
| Sutter                 | 1                            | 1  | .                                  | .   | 1                                   | .                            | .   | .                                   | .                            | .     |
| Tehama                 | .                            | .  | .                                  | .   | .                                   | .                            | .   | .                                   | .                            | .     |
| Trinity                | .                            | .  | .                                  | .   | .                                   | .                            | .   | .                                   | .                            | .     |
| Tulare                 | 11                           | .  | .                                  | .   | .                                   | .                            | .   | .                                   | .                            | .     |
| Tuolumne               | .                            | .  | .                                  | .   | .                                   | .                            | .   | .                                   | .                            | .     |
| Ventura                | 28                           | 26   | .                                  | .   | 26                                  | .                            | .   | .                                   | .                            | .     |
| Yolo                   | 6                            | 6  | .                                  | .   | 6                                   | .                            | .   | .                                   | .                            | .     |
| Yuba                   | 2                            | 2  | .                                  | .   | 2                                   | .                            | .   | .                                   | .                            | .     |

. Indicates zero cases or zero percent

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

\*\* EMB=Ethambutol

California Department of Public Health, Tuberculosis Control Branch

**Table 50. Tuberculosis Cases by Resistance to Pyrazinamide and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Culture Positive Cases | Total Cases* with PZA** Susceptibility Testing | Total Cases with Resistance to PZA |      | No Prior TB                         |                              |      | Prior TB                            |                              |       |
|------------------------|------------------------------|--|------------------------------------|------|-------------------------------------|------------------------------|------|-------------------------------------|------------------------------|-------|
|                        |                              |  | No.                                | %    | No. with PZA Susceptibility Testing | Cases with Resistance to PZA |      | No. with PZA Susceptibility Testing | Cases with Resistance to PZA |       |
|                        |                              |  |                                    |      |                                     | No.                          | %    |                                     | No.                          | %     |
| California             | 1719                         | 1599   | 88                                 | 5.5  | 1517                                | 84                           | 5.5  | 76                                  | 4                            | 5.3   |
| Alameda                | 79                           | 70   | 3                                  | 4.3  | 66                                  | 3                            | 4.5  | 4                                   | .                            | .     |
| Alpine                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .     |
| Amador                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .     |
| Berkeley               | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .     |
| Butte                  | 4                            | 4  | .                                  | .    | 4                                   | .                            | .    | .                                   | .                            | .     |
| Calaveras              | 1                            | 1  | .                                  | .    | 1                                   | .                            | .    | .                                   | .                            | .     |
| Colusa                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .     |
| Contra Costa           | 39                           | 39   | .                                  | .    | 35                                  | .                            | .    | 4                                   | .                            | .     |
| Del Norte              | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .     |
| El Dorado              | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .     |
| Fresno                 | 47                           | 45   | 4                                  | 8.9  | 44                                  | 4                            | 9.1  | 1                                   | .                            | .     |
| Glenn                  | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .     |
| Humboldt               | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .     |
| Imperial               | 27                           | 27   | 1                                  | 3.7  | 27                                  | 1                            | 3.7  | .                                   | .                            | .     |
| Inyo                   | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .     |
| Kern                   | 33                           | 31   | 2                                  | 6.5  | 31                                  | 2                            | 6.5  | .                                   | .                            | .     |
| Kings                  | 3                            | 3  | .                                  | .    | 3                                   | .                            | .    | .                                   | .                            | .     |
| Lake                   | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .     |
| Lassen                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .     |
| Long Beach             | 22                           | 22   | .                                  | .    | 21                                  | .                            | .    | 1                                   | .                            | .     |
| Los Angeles            | 474                          | 458  | 23                                 | 5.0  | 434                                 | 23                           | 5.3  | 24                                  | .                            | .     |
| Madera                 | 8                            | 8  | .                                  | .    | 8                                   | .                            | .    | .                                   | .                            | .     |
| Marin                  | 5                            | 5  | 1                                  | 20.0 | 5                                   | 1                            | 20.0 | .                                   | .                            | .     |
| Mariposa               | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .     |
| Mendocino              | 1                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .     |
| Merced                 | 4                            | 2  | 1                                  | 50.0 | 2                                   | 1                            | 50.0 | .                                   | .                            | .     |
| Modoc                  | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .     |
| Mono                   | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .     |
| Monterey               | 14                           | 12   | 1                                  | 8.3  | 11                                  | 1                            | 9.1  | 1                                   | .                            | .     |
| Napa                   | 3                            | 3  | .                                  | .    | 3                                   | .                            | .    | .                                   | .                            | .     |
| Nevada                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .     |
| Orange                 | 165                          | 158  | 4                                  | 2.5  | 148                                 | 4                            | 2.7  | 10                                  | .                            | .     |
| Pasadena               | 3                            | 3  | 1                                  | 33.3 | 3                                   | 1                            | 33.3 | .                                   | .                            | .     |
| Placer                 | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .     |
| Plumas                 | .                            | .  | .                                  | .    | .                                   | .                            | .    | .                                   | .                            | .     |
| Riverside              | 57                           | 54   | 5                                  | 9.3  | 50                                  | 4                            | 8.0  | 2                                   | 1                            | 50.0  |
| Sacramento             | 59                           | 54   | 1                                  | 1.9  | 51                                  | 1                            | 2.0  | 2                                   | .                            | .     |
| San Benito             | 1                            | 1  | .                                  | .    | 1                                   | .                            | .    | .                                   | .                            | .     |
| San Bernardino         | 34                           | 32   | 2                                  | 6.3  | 31                                  | 1                            | 3.2  | 1                                   | 1                            | 100.0 |
| San Diego              | 187                          | 186  | 24                                 | 12.9 | 176                                 | 23                           | 13.1 | 10                                  | 1                            | 10.0  |
| San Francisco          | 93                           | 93   | 3                                  | 3.2  | 87                                  | 3                            | 3.4  | 6                                   | .                            | .     |
| San Joaquin            | 38                           | 37   | 1                                  | 2.7  | 35                                  | 1                            | 2.9  | 2                                   | .                            | .     |
| San Luis Obispo        | 2                            | 2  | .                                  | .    | 2                                   | .                            | .    | .                                   | .                            | .     |

**Table 50. Tuberculosis Cases by Resistance to Pyrazinamide and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Culture Positive Cases | Total Cases* with PZA** Susceptibility Testing | Total Cases with Resistance to PZA |       | 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.                                | %     |                                     | No.                          | %     |                                     | No.                          | %     |
| San Mateo              | 57                           | 56   | 1                                  | 1.8   | 54                                  | 1                            | 1.9   | 2                                   | .                            | .     |
| Santa Barbara          | 26                           | 25   | 2                                  | 8.0   | 24                                  | 2                            | 8.3   | 1                                   | .                            | .     |
| Santa Clara            | 133                          | 87   | 3                                  | 3.4   | 80                                  | 3                            | 3.8   | 4                                   | .                            | .     |
| Santa Cruz             | 4                            | 4  | .                                  | .     | 4                                   | .                            | .     | .                                   | .                            | .     |
| Shasta                 | 2                            | 2  | .                                  | .     | 2                                   | .                            | .     | .                                   | .                            | .     |
| Sierra                 | .                            | .  | .                                  | .     | .                                   | .                            | .     | .                                   | .                            | .     |
| Siskiyou               | .                            | .  | .                                  | .     | .                                   | .                            | .     | .                                   | .                            | .     |
| Solano                 | 19                           | 18   | 1                                  | 5.6   | 17                                  | .                            | .     | 1                                   | 1                            | 100.0 |
| Sonoma                 | 9                            | 5  | 1                                  | 20.0  | 5                                   | 1                            | 20.0  | .                                   | .                            | .     |
| Stanislaus             | 10                           | 10   | .                                  | .     | 10                                  | .                            | .     | .                                   | .                            | .     |
| Sutter                 | 1                            | 1  | .                                  | .     | 1                                   | .                            | .     | .                                   | .                            | .     |
| Tehama                 | .                            | .  | .                                  | .     | .                                   | .                            | .     | .                                   | .                            | .     |
| Trinity                | .                            | .  | .                                  | .     | .                                   | .                            | .     | .                                   | .                            | .     |
| Tulare                 | 11                           | .  | .                                  | .     | .                                   | .                            | .     | .                                   | .                            | .     |
| Tuolumne               | .                            | .  | .                                  | .     | .                                   | .                            | .     | .                                   | .                            | .     |
| Ventura                | 28                           | 26   | 1                                  | 3.8   | 26                                  | 1                            | 3.8   | .                                   | .                            | .     |
| Yolo                   | 6                            | 6  | 1                                  | 16.7  | 6                                   | 1                            | 16.7  | .                                   | .                            | .     |
| Yuba                   | 2                            | 1  | 1                                  | 100.0 | 1                                   | 1                            | 100.0 | .                                   | .                            | .     |

. Indicates zero cases or zero percent

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

\*\* PZA=pyrazinamide

California Department of Public Health, Tuberculosis Control Branch

**Table 51. Tuberculosis Cases by Resistance to Streptomycin and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Culture Positive Cases | Total Cases* with SM** Susceptibility Testing | Total Cases with Resistance to SM |      | 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.                               | %    |                                    | No.                         | %    |                                    | No.                         | %    |
| California             | 1719                         | 868   | 62                                | 7.1  | 810                                | 58                          | 7.2  | 53                                 | 4                           | 7.5  |
| Alameda                | 79                           | 29  | 6                                 | 20.7 | 28                                 | 6                           | 21.4 | 1                                  | .                           | .    |
| Alpine                 | .                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Amador                 | .                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Berkeley               | 2                            | 1   | .                                 | .    | 1                                  | .                           | .    | .                                  | .                           | .    |
| Butte                  | 4                            | 2   | .                                 | .    | 2                                  | .                           | .    | .                                  | .                           | .    |
| Calaveras              | 1                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Colusa                 | .                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Contra Costa           | 39                           | 7   | .                                 | .    | 5                                  | .                           | .    | 2                                  | .                           | .    |
| Del Norte              | .                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| El Dorado              | 2                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Fresno                 | 47                           | 6   | .                                 | .    | 6                                  | .                           | .    | .                                  | .                           | .    |
| Glenn                  | .                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Humboldt               | 2                            | 1   | .                                 | .    | 1                                  | .                           | .    | .                                  | .                           | .    |
| Imperial               | 27                           | 1   | .                                 | .    | 1                                  | .                           | .    | .                                  | .                           | .    |
| Inyo                   | .                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Kern                   | 33                           | 5   | .                                 | .    | 5                                  | .                           | .    | .                                  | .                           | .    |
| Kings                  | 3                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Lake                   | .                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Lassen                 | .                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Long Beach             | 22                           | 9   | 1                                 | 11.1 | 8                                  | 1                           | 12.5 | 1                                  | .                           | .    |
| Los Angeles            | 474                          | 417   | 26                                | 6.2  | 393                                | 25                          | 6.4  | 24                                 | 1                           | 4.2  |
| Madera                 | 8                            | 5   | 1                                 | 20.0 | 5                                  | 1                           | 20.0 | .                                  | .                           | .    |
| Marin                  | 5                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Mariposa               | .                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Mendocino              | 1                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Merced                 | 4                            | 1   | .                                 | .    | 1                                  | .                           | .    | .                                  | .                           | .    |
| Modoc                  | .                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Mono                   | .                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Monterey               | 14                           | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Napa                   | 3                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Nevada                 | .                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Orange                 | 165                          | 62  | 6                                 | 9.7  | 56                                 | 4                           | 7.1  | 6                                  | 2                           | 33.3 |
| Pasadena               | 3                            | 2   | .                                 | .    | 2                                  | .                           | .    | .                                  | .                           | .    |
| Placer                 | 2                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Plumas                 | .                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Riverside              | 57                           | 48  | 3                                 | 6.3  | 44                                 | 3                           | 6.8  | 2                                  | .                           | .    |
| Sacramento             | 59                           | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| San Benito             | 1                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| San Bernardino         | 34                           | 25  | 2                                 | 8.0  | 24                                 | 2                           | 8.3  | 1                                  | .                           | .    |
| San Diego              | 187                          | 50  | 3                                 | 6.0  | 48                                 | 3                           | 6.3  | 2                                  | .                           | .    |
| San Francisco          | 93                           | 80  | 5                                 | 6.3  | 74                                 | 5                           | 6.8  | 6                                  | .                           | .    |
| San Joaquin            | 38                           | 6   | .                                 | .    | 6                                  | .                           | .    | .                                  | .                           | .    |
| San Luis Obispo        | 2                            | 1   | .                                 | .    | 1                                  | .                           | .    | .                                  | .                           | .    |

**Table 51. Tuberculosis Cases by Resistance to Streptomycin and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Culture Positive Cases | Total Cases* with SM** Susceptibility Testing | Total Cases with Resistance to SM |      | 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.                         | %    |                                    | No.                         | %    |
| San Mateo              | 57                           | 23  | .                                 | .    | 21                                 | .                           | .    | 2                                  | .                           | .    |
| Santa Barbara          | 26                           | 26  | 1                                 | 3.8  | 25                                 | 1                           | 4.0  | 1                                  | .                           | .    |
| Santa Clara            | 133                          | 48  | 7                                 | 14.6 | 41                                 | 6                           | 14.6 | 4                                  | 1                           | 25.0 |
| Santa Cruz             | 4                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Shasta                 | 2                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Sierra                 | .                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Siskiyou               | .                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Solano                 | 19                           | 5   | 1                                 | 20.0 | 4                                  | 1                           | 25.0 | 1                                  | .                           | .    |
| Sonoma                 | 9                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Stanislaus             | 10                           | 1   | .                                 | .    | 1                                  | .                           | .    | .                                  | .                           | .    |
| Sutter                 | 1                            | 1   | .                                 | .    | 1                                  | .                           | .    | .                                  | .                           | .    |
| Tehama                 | .                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Trinity                | .                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Tulare                 | 11                           | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Tuolumne               | .                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Ventura                | 28                           | 5   | .                                 | .    | 5                                  | .                           | .    | .                                  | .                           | .    |
| Yolo                   | 6                            | .   | .                                 | .    | .                                  | .                           | .    | .                                  | .                           | .    |
| Yuba                   | 2                            | 1   | .                                 | .    | 1                                  | .                           | .    | .                                  | .                           | .    |

. Indicates zero cases or zero percent

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

\*\* SM=streptomycin

California Department of Public Health, Tuberculosis Control Branch

**Table 52. Multidrug-resistant (MDR) Tuberculosis Cases\* by History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Culture Positive Cases | Total Cases** with MDR Susceptibility Testing | Cases with Multidrug Resistance |        | No Prior TB                         |                                 |        | Prior TB                            |                                 |       |
|------------------------|------------------------------|---|---------------------------------|--------|-------------------------------------|---------------------------------|--------|-------------------------------------|---------------------------------|-------|
|                        |                              |   | No.                             | %      | No. with MDR Susceptibility Testing | Cases with Multidrug Resistance |        | No. with MDR Susceptibility Testing | Cases with Multidrug Resistance |       |
|                        |                              |   |                                 |        |                                     | No.                             | %      |                                     | No.                             | %     |
| California             | 1719                         | 1608  | 17                              | 1.057  | 1524                                | 16                              | 1.05   | 78                                  | 1                               | 1.282 |
| Alameda                | 79                           | 70  | 1                               | 1.429  | 65                                  | 1                               | 1.538  | 5                                   | .                               | .     |
| Alpine                 | .                            | .   | .                               | .      | .                                   | .                               | .      | .                                   | .                               | .     |
| Amador                 | .                            | .   | .                               | .      | .                                   | .                               | .      | .                                   | .                               | .     |
| Berkeley               | 2                            | 2   | .                               | .      | 2                                   | .                               | .      | .                                   | .                               | .     |
| Butte                  | 4                            | 3   | 1                               | 33.333 | 3                                   | 1                               | 33.333 | .                                   | .                               | .     |
| Calaveras              | 1                            | 1   | .                               | .      | 1                                   | .                               | .      | .                                   | .                               | .     |
| Colusa                 | .                            | .   | .                               | .      | .                                   | .                               | .      | .                                   | .                               | .     |
| Contra Costa           | 39                           | 39  | .                               | .      | 35                                  | .                               | .      | 4                                   | .                               | .     |
| Del Norte              | .                            | .   | .                               | .      | .                                   | .                               | .      | .                                   | .                               | .     |
| El Dorado              | 2                            | 2   | .                               | .      | 2                                   | .                               | .      | .                                   | .                               | .     |
| Fresno                 | 47                           | 45  | 2                               | 4.444  | 44                                  | 2                               | 4.545  | 1                                   | .                               | .     |
| Glenn                  | .                            | .   | .                               | .      | .                                   | .                               | .      | .                                   | .                               | .     |
| Humboldt               | 2                            | 2   | .                               | .      | 2                                   | .                               | .      | .                                   | .                               | .     |
| Imperial               | 27                           | 27  | 1                               | 3.704  | 27                                  | 1                               | 3.704  | .                                   | .                               | .     |
| Inyo                   | .                            | .   | .                               | .      | .                                   | .                               | .      | .                                   | .                               | .     |
| Kern                   | 33                           | 32  | .                               | .      | 32                                  | .                               | .      | .                                   | .                               | .     |
| Kings                  | 3                            | 3   | .                               | .      | 3                                   | .                               | .      | .                                   | .                               | .     |
| Lake                   | .                            | .   | .                               | .      | .                                   | .                               | .      | .                                   | .                               | .     |
| Lassen                 | .                            | .   | .                               | .      | .                                   | .                               | .      | .                                   | .                               | .     |
| Long Beach             | 22                           | 22  | .                               | .      | 21                                  | .                               | .      | 1                                   | .                               | .     |
| Los Angeles            | 474                          | 459   | 5                               | 1.089  | 435                                 | 5                               | 1.149  | 24                                  | .                               | .     |
| Madera                 | 8                            | 8   | .                               | .      | 8                                   | .                               | .      | .                                   | .                               | .     |
| Marin                  | 5                            | 5   | .                               | .      | 5                                   | .                               | .      | .                                   | .                               | .     |
| Mariposa               | .                            | .   | .                               | .      | .                                   | .                               | .      | .                                   | .                               | .     |
| Mendocino              | 1                            | 1   | .                               | .      | 1                                   | .                               | .      | .                                   | .                               | .     |
| Merced                 | 4                            | 2   | .                               | .      | 2                                   | .                               | .      | .                                   | .                               | .     |
| Modoc                  | .                            | .   | .                               | .      | .                                   | .                               | .      | .                                   | .                               | .     |
| Mono                   | .                            | .   | .                               | .      | .                                   | .                               | .      | .                                   | .                               | .     |
| Monterey               | 14                           | 12  | .                               | .      | 11                                  | .                               | .      | 1                                   | .                               | .     |
| Napa                   | 3                            | 3   | .                               | .      | 3                                   | .                               | .      | .                                   | .                               | .     |
| Nevada                 | .                            | .   | .                               | .      | .                                   | .                               | .      | .                                   | .                               | .     |
| Orange                 | 165                          | 158   | .                               | .      | 148                                 | .                               | .      | 10                                  | .                               | .     |
| Pasadena               | 3                            | 3   | .                               | .      | 3                                   | .                               | .      | .                                   | .                               | .     |
| Placer                 | 2                            | 2   | .                               | .      | 2                                   | .                               | .      | .                                   | .                               | .     |
| Plumas                 | .                            | .   | .                               | .      | .                                   | .                               | .      | .                                   | .                               | .     |
| Riverside              | 57                           | 55  | .                               | .      | 51                                  | .                               | .      | 2                                   | .                               | .     |
| Sacramento             | 59                           | 54  | .                               | .      | 51                                  | .                               | .      | 2                                   | .                               | .     |
| San Benito             | 1                            | 1   | .                               | .      | 1                                   | .                               | .      | .                                   | .                               | .     |
| San Bernardino         | 34                           | 32  | 1                               | 3.125  | 31                                  | 1                               | 3.226  | 1                                   | .                               | .     |
| San Diego              | 187                          | 187   | 2                               | 1.07   | 177                                 | 2                               | 1.13   | 10                                  | .                               | .     |
| San Francisco          | 93                           | 93  | 2                               | 2.151  | 87                                  | 2                               | 2.299  | 6                                   | .                               | .     |
| San Joaquin            | 38                           | 37  | .                               | .      | 35                                  | .                               | .      | 2                                   | .                               | .     |
| San Luis Obispo        | 2                            | 2   | .                               | .      | 2                                   | .                               | .      | .                                   | .                               | .     |
| San Mateo              | 57                           | 56  | .                               | .      | 54                                  | .                               | .      | 2                                   | .                               | .     |
| Santa Barbara          | 26                           | 26  | .                               | .      | 25                                  | .                               | .      | 1                                   | .                               | .     |

**Table 52. Multidrug-resistant (MDR) Tuberculosis Cases\* by History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Culture Positive Cases | Total Cases** with MDR Susceptibility Testing | Cases with Multidrug Resistance |       | No Prior TB                         |                                 |      | Prior TB                            |                                 |     |
|------------------------|------------------------------|---|---------------------------------|-------|-------------------------------------|---------------------------------|------|-------------------------------------|---------------------------------|-----|
|                        |                              |   | No.                             | %     | No. with MDR Susceptibility Testing | Cases with Multidrug Resistance |      | No. with MDR Susceptibility Testing | Cases with Multidrug Resistance |     |
|                        |                              |   |                                 |       |                                     | No.                             | %    |                                     | No.                             | %   |
| Santa Clara            | 133                          | 90  | 1                               | 1.111 | 82                                  | 1                               | 1.22 | 5                                   | .                               | .   |
| Santa Cruz             | 4                            | 4   | .                               | .     | 4                                   | .                               | .    | .                                   | .                               | .   |
| Shasta                 | 2                            | 2   | .                               | .     | 2                                   | .                               | .    | .                                   | .                               | .   |
| Sierra                 | .                            | .   | .                               | .     | .                                   | .                               | .    | .                                   | .                               | .   |
| Siskiyou               | .                            | .   | .                               | .     | .                                   | .                               | .    | .                                   | .                               | .   |
| Solano                 | 19                           | 18  | 1                               | 5.556 | 17                                  | .                               | .    | 1                                   | 1                               | 100 |
| Sonoma                 | 9                            | 5   | .                               | .     | 5                                   | .                               | .    | .                                   | .                               | .   |
| Stanislaus             | 10                           | 10  | .                               | .     | 10                                  | .                               | .    | .                                   | .                               | .   |
| Sutter                 | 1                            | 1   | .                               | .     | 1                                   | .                               | .    | .                                   | .                               | .   |
| Tehama                 | .                            | .   | .                               | .     | .                                   | .                               | .    | .                                   | .                               | .   |
| Trinity                | .                            | .   | .                               | .     | .                                   | .                               | .    | .                                   | .                               | .   |
| Tulare                 | 11                           | .   | .                               | .     | .                                   | .                               | .    | .                                   | .                               | .   |
| Tuolumne               | .                            | .   | .                               | .     | .                                   | .                               | .    | .                                   | .                               | .   |
| Ventura                | 28                           | 26  | .                               | .     | 26                                  | .                               | .    | .                                   | .                               | .   |
| Yolo                   | 6                            | 6   | .                               | .     | 6                                   | .                               | .    | .                                   | .                               | .   |
| Yuba                   | 2                            | 2   | .                               | .     | 2                                   | .                               | .    | .                                   | .                               | .   |

. Indicates zero cases or zero percent

\* Cases with resistance to at least isoniazid and rifampin

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

California Department of Public Health, Tuberculosis Control Branch

**Table 53. Tuberculosis Cases by Resistance to at Least One First-line Drug\* and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Culture Positive Cases | Total Cases** with Susceptibility Testing | Total Cases with Resistance to >= One Drug |        | No Prior TB                     |                                      |        | Prior TB                        |                                      |        |
|------------------------|------------------------------|---|--|--------|---------------------------------|--------------------------------------|--------|---------------------------------|--------------------------------------|--------|
|                        |                              |   | No.  | %      | No. with Susceptibility Testing | Cases with Resistance to >= One Drug |        | No. with Susceptibility Testing | Cases with Resistance to >= One Drug |        |
|                        |                              |   |  |        |                                 | No.                                  | %      |                                 | No.                                  | %      |
| California             | 1719                         | 1611                                      | 231  | 14.339 | 1527                            | 215                                  | 14.08  | 78                              | 16                                   | 20.513 |
| Alameda                | 79                           | 71  | 16   | 22.535 | 66                              | 15                                   | 22.727 | 5                               | 1                                    | 20     |
| Alpine                 | .                            | .   | .  | .      | .                               | .                                    | .      | .                               | .                                    | .      |
| Amador                 | .                            | .   | .  | .      | .                               | .                                    | .      | .                               | .                                    | .      |
| Berkeley               | 2                            | 2   | .  | .      | 2                               | .                                    | .      | .                               | .                                    | .      |
| Butte                  | 4                            | 4   | 1  | 25     | 4                               | 1                                    | 25     | .                               | .                                    | .      |
| Calaveras              | 1                            | 1   | .  | .      | 1                               | .                                    | .      | .                               | .                                    | .      |
| Colusa                 | .                            | .   | .  | .      | .                               | .                                    | .      | .                               | .                                    | .      |
| Contra Costa           | 39                           | 39  | 6  | 15.385 | 35                              | 6                                    | 17.143 | 4                               | .                                    | .      |
| Del Norte              | .                            | .   | .  | .      | .                               | .                                    | .      | .                               | .                                    | .      |
| El Dorado              | 2                            | 2   | .  | .      | 2                               | .                                    | .      | .                               | .                                    | .      |
| Fresno                 | 47                           | 45  | 7  | 15.556 | 44                              | 7                                    | 15.909 | 1                               | .                                    | .      |
| Glenn                  | .                            | .   | .  | .      | .                               | .                                    | .      | .                               | .                                    | .      |
| Humboldt               | 2                            | 2   | .  | .      | 2                               | .                                    | .      | .                               | .                                    | .      |
| Imperial               | 27                           | 27  | 1  | 3.704  | 27                              | 1                                    | 3.704  | .                               | .                                    | .      |
| Inyo                   | .                            | .   | .  | .      | .                               | .                                    | .      | .                               | .                                    | .      |
| Kern                   | 33                           | 32  | 5  | 15.625 | 32                              | 5                                    | 15.625 | .                               | .                                    | .      |
| Kings                  | 3                            | 3   | .  | .      | 3                               | .                                    | .      | .                               | .                                    | .      |
| Lake                   | .                            | .   | .  | .      | .                               | .                                    | .      | .                               | .                                    | .      |
| Lassen                 | .                            | .   | .  | .      | .                               | .                                    | .      | .                               | .                                    | .      |
| Long Beach             | 22                           | 22  | 2  | 9.091  | 21                              | 2                                    | 9.524  | 1                               | .                                    | .      |
| Los Angeles            | 474                          | 459                                       | 71   | 15.468 | 435                             | 67                                   | 15.402 | 24                              | 4                                    | 16.667 |
| Madera                 | 8                            | 8   | 3  | 37.5   | 8                               | 3                                    | 37.5   | .                               | .                                    | .      |
| Marin                  | 5                            | 5   | 1  | 20     | 5                               | 1                                    | 20     | .                               | .                                    | .      |
| Mariposa               | .                            | .   | .  | .      | .                               | .                                    | .      | .                               | .                                    | .      |
| Mendocino              | 1                            | 1   | .  | .      | 1                               | .                                    | .      | .                               | .                                    | .      |
| Merced                 | 4                            | 2   | 1  | 50     | 2                               | 1                                    | 50     | .                               | .                                    | .      |
| Modoc                  | .                            | .   | .  | .      | .                               | .                                    | .      | .                               | .                                    | .      |
| Mono                   | .                            | .   | .  | .      | .                               | .                                    | .      | .                               | .                                    | .      |
| Monterey               | 14                           | 12  | 3  | 25     | 11                              | 3                                    | 27.273 | 1                               | .                                    | .      |
| Napa                   | 3                            | 3   | .  | .      | 3                               | .                                    | .      | .                               | .                                    | .      |
| Nevada                 | .                            | .   | .  | .      | .                               | .                                    | .      | .                               | .                                    | .      |
| Orange                 | 165                          | 159                                       | 21   | 13.208 | 149                             | 16                                   | 10.738 | 10                              | 5                                    | 50     |
| Pasadena               | 3                            | 3   | 1  | 33.333 | 3                               | 1                                    | 33.333 | .                               | .                                    | .      |
| Placer                 | 2                            | 2   | .  | .      | 2                               | .                                    | .      | .                               | .                                    | .      |
| Plumas                 | .                            | .   | .  | .      | .                               | .                                    | .      | .                               | .                                    | .      |
| Riverside              | 57                           | 55  | 9  | 16.364 | 51                              | 8                                    | 15.686 | 2                               | 1                                    | 50     |
| Sacramento             | 59                           | 54  | 6  | 11.111 | 51                              | 5                                    | 9.804  | 2                               | 1                                    | 50     |
| San Benito             | 1                            | 1   | .  | .      | 1                               | .                                    | .      | .                               | .                                    | .      |
| San Bernardino         | 34                           | 32  | 4  | 12.5   | 31                              | 3                                    | 9.677  | 1                               | 1                                    | 100    |
| San Diego              | 187                          | 187                                       | 35   | 18.717 | 177                             | 33                                   | 18.644 | 10                              | 2                                    | 20     |
| San Francisco          | 93                           | 93  | 12   | 12.903 | 87                              | 12                                   | 13.793 | 6                               | .                                    | .      |
| San Joaquin            | 38                           | 37  | 3  | 8.108  | 35                              | 3                                    | 8.571  | 2                               | .                                    | .      |
| San Luis Obispo        | 2                            | 2   | .  | .      | 2                               | .                                    | .      | .                               | .                                    | .      |
| San Mateo              | 57                           | 56  | 2  | 3.571  | 54                              | 2                                    | 3.704  | 2                               | .                                    | .      |

**Table 53. Tuberculosis Cases by Resistance to at Least One First-line Drug\* and History of Prior Tuberculosis: Reporting Jurisdictions in California, 2014**

| Reporting Jurisdiction | Total Culture Positive Cases | Total Cases** with Susceptibility Testing | Total Cases with Resistance to >= One Drug |        | No Prior TB                     |                                      |        | Prior TB                        |                                      |     |
|------------------------|------------------------------|---|--|--------|---------------------------------|--------------------------------------|--------|---------------------------------|--------------------------------------|-----|
|                        |                              |   |  |        | No. with Susceptibility Testing | Cases with Resistance to >= One Drug |        | No. with Susceptibility Testing | Cases with Resistance to >= One Drug |     |
|                        |                              |   |  |        |                                 | No.                                  | %      |                                 | No.                                  | %   |
| Santa Barbara          | 26                           | 26  | 2  | 7.692  | 25                              | 2                                    | 8      | 1                               | .                                    | .   |
| Santa Clara            | 133                          | 90  | 9  | 10     | 82                              | 9                                    | 10.976 | 5                               | .                                    | .   |
| Santa Cruz             | 4                            | 4   | 1  | 25     | 4                               | 1                                    | 25     | .                               | .                                    | .   |
| Shasta                 | 2                            | 2   | .  | .      | 2                               | .                                    | .      | .                               | .                                    | .   |
| Sierra                 | .                            | .   | .  | .      | .                               | .                                    | .      | .                               | .                                    | .   |
| Siskiyou               | .                            | .   | .  | .      | .                               | .                                    | .      | .                               | .                                    | .   |
| Solano                 | 19                           | 18  | 3  | 16.667 | 17                              | 2                                    | 11.765 | 1                               | 1                                    | 100 |
| Sonoma                 | 9                            | 5   | 1  | 20     | 5                               | 1                                    | 20     | .                               | .                                    | .   |
| Stanislaus             | 10                           | 10  | .  | .      | 10                              | .                                    | .      | .                               | .                                    | .   |
| Sutter                 | 1                            | 1   | .  | .      | 1                               | .                                    | .      | .                               | .                                    | .   |
| Tehama                 | .                            | .   | .  | .      | .                               | .                                    | .      | .                               | .                                    | .   |
| Trinity                | .                            | .   | .  | .      | .                               | .                                    | .      | .                               | .                                    | .   |
| Tulare                 | 11                           | .   | .  | .      | .                               | .                                    | .      | .                               | .                                    | .   |
| Tuolumne               | .                            | .   | .  | .      | .                               | .                                    | .      | .                               | .                                    | .   |
| Ventura                | 28                           | 26  | 3  | 11.538 | 26                              | 3                                    | 11.538 | .                               | .                                    | .   |
| Yolo                   | 6                            | 6   | 1  | 16.667 | 6                               | 1                                    | 16.667 | .                               | .                                    | .   |
| Yuba                   | 2                            | 2   | 1  | 50     | 2                               | 1                                    | 50     | .                               | .                                    | .   |

. Indicates zero cases or zero percent

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

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

California Department of Public Health, Tuberculosis Control Branch

**Table 54. Tuberculosis Cases by Resistance to Isoniazid: Reporting Jurisdictions in California, 2008-2014\***

| Reporting Jurisdiction | 2008                      |                              |      | 2009                      |                              |      | 2010                      |                              |       | 2011                      |                              |      | 2012                      |                              |      | 2013                      |                              |       | 2014                      |                              |      |     |
|------------------------|---------------------------|------------------------------|------|---------------------------|------------------------------|------|---------------------------|------------------------------|-------|---------------------------|------------------------------|------|---------------------------|------------------------------|------|---------------------------|------------------------------|-------|---------------------------|------------------------------|------|-----|
|                        | No. with INH**<br>Testing | Cases with Resistance to INH |      | No. with INH**<br>Testing | Cases with Resistance to INH |      | No. with INH**<br>Testing | Cases with Resistance to INH |       | No. with INH**<br>Testing | Cases with Resistance to INH |      | No. with INH**<br>Testing | Cases with Resistance to INH |      | No. with INH**<br>Testing | Cases with Resistance to INH |       | No. with INH**<br>Testing | Cases with Resistance to INH |      |     |
|                        |                           | No.                          | %    |                           | No.                          | %    |                           | No.                          | %     |                           | No.                          | %    |                           | No.                          | %    |                           | No.                          | %     |                           | No.                          | %    | No. |
| California             | 2136                      | 223                          | 10.4 | 1919                      | 192                          | 10.0 | 1828                      | 173                          | 9.5   | 1824                      | 195                          | 10.7 | 1723                      | 176                          | 10.2 | 1728                      | 189                          | 10.9  | 1608                      | 158                          | 9.8  |     |
| Alameda                | 99                        | 14                           | 14.1 | 111                       | 12                           | 10.8 | 125                       | 13                           | 10.4  | 91                        | 5                            | 5.5  | 98                        | 13                           | 13.3 | 83                        | 11                           | 13.3  | 70                        | 15                           | 21.4 |     |
| Alpine                 | .                         | .                            | .    | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .   |
| Amador                 | .                         | .                            | .    | .                         | .                            | .    | 1                         | .                            | .     | .                         | .                            | .    | 1                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .   |
| Berkeley               | 3                         | .                            | .    | 2                         | .                            | .    | 5                         | .                            | .     | 1                         | .                            | .    | 6                         | .                            | .    | 5                         | .                            | .     | 2                         | .                            | .    |     |
| Butte                  | 3                         | .                            | .    | 2                         | .                            | .    | 2                         | .                            | .     | .                         | .                            | .    | 2                         | .                            | .    | 4                         | 1                            | 25.0  | 3                         | 1                            | 33.3 |     |
| Calaveras              | .                         | .                            | .    | 2                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .                         | .                            | .    | .                         | .                            | .     | 1                         | .                            | .    |     |
| Colusa                 | .                         | .                            | .    | .                         | .                            | .    | 3                         | .                            | .     | .                         | .                            | .    | 1                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    |     |
| Contra Costa           | 61                        | 9                            | 14.8 | 34                        | 5                            | 14.7 | 29                        | 2                            | 6.9   | 33                        | 4                            | 12.1 | 45                        | 3                            | 6.7  | 42                        | 2                            | 4.8   | 39                        | 6                            | 15.4 |     |
| Del Norte              | .                         | .                            | .    | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .   |
| El Dorado              | 2                         | .                            | .    | .                         | .                            | .    | 1                         | 1                            | 100.0 | 3                         | 1                            | 33.3 | 2                         | .                            | .    | 1                         | .                            | .     | 2                         | .                            | .    |     |
| Fresno                 | 58                        | 10                           | 17.2 | 47                        | 7                            | 14.9 | 43                        | 3                            | 7.0   | 35                        | 2                            | 5.7  | 29                        | 3                            | 10.3 | 34                        | 4                            | 11.8  | 45                        | 4                            | 8.9  |     |
| Glenn                  | 1                         | .                            | .    | .                         | .                            | .    | 1                         | .                            | .     | .                         | .                            | .    | 2                         | .                            | .    | 1                         | 1                            | 100.0 | .                         | .                            | .    |     |
| Humboldt               | .                         | .                            | .    | 1                         | .                            | .    | 1                         | .                            | .     | 1                         | .                            | .    | 1                         | .                            | .    | 1                         | .                            | .     | 2                         | .                            | .    |     |
| Imperial               | 16                        | 2                            | 12.5 | 34                        | .                            | .    | 21                        | 1                            | 4.8   | 25                        | .                            | .    | 28                        | 3                            | 10.7 | 30                        | 1                            | 3.3   | 27                        | 1                            | 3.7  |     |
| Inyo                   | .                         | .                            | .    | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .   |
| Kern                   | 46                        | 2                            | 4.3  | 37                        | .                            | .    | 28                        | 4                            | 14.3  | 31                        | 2                            | 6.5  | 25                        | 2                            | 8.0  | 23                        | 3                            | 13.0  | 32                        | 3                            | 9.4  |     |
| Kings                  | 5                         | .                            | .    | 4                         | .                            | .    | 3                         | .                            | .     | 5                         | 1                            | 20.0 | 5                         | .                            | .    | 5                         | .                            | .     | 3                         | .                            | .    |     |
| Lake                   | 2                         | .                            | .    | .                         | .                            | .    | 1                         | .                            | .     | 1                         | .                            | .    | .                         | .                            | .    | 1                         | .                            | .     | .                         | .                            | .    |     |
| Lassen                 | .                         | .                            | .    | 1                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | 1                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    |     |
| Long Beach             | 40                        | 7                            | 17.5 | 40                        | 1                            | 2.5  | 36                        | 5                            | 13.9  | 22                        | 3                            | 13.6 | 26                        | 1                            | 3.8  | 30                        | 3                            | 10.0  | 22                        | 2                            | 9.1  |     |
| Los Angeles            | 625                       | 55                           | 8.8  | 557                       | 47                           | 8.4  | 523                       | 47                           | 9.0   | 536                       | 48                           | 9.0  | 501                       | 35                           | 7.0  | 530                       | 52                           | 9.8   | 459                       | 50                           | 10.9 |     |
| Madera                 | 12                        | .                            | .    | 4                         | .                            | .    | 2                         | .                            | .     | 9                         | .                            | .    | 3                         | .                            | .    | 5                         | .                            | .     | 8                         | 3                            | 37.5 |     |
| Marin                  | 4                         | 1                            | 25.0 | 8                         | .                            | .    | 7                         | 3                            | 42.9  | 10                        | 2                            | 20.0 | 9                         | .                            | .    | 7                         | .                            | .     | 5                         | .                            | .    |     |
| Mariposa               | .                         | .                            | .    | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .   |
| Mendocino              | 3                         | .                            | .    | 1                         | .                            | .    | .                         | .                            | .     | 2                         | .                            | .    | .                         | .                            | .    | 1                         | .                            | .     | 1                         | .                            | .    |     |
| Merced                 | 5                         | .                            | .    | 10                        | .                            | .    | 6                         | .                            | .     | 6                         | .                            | .    | 16                        | 1                            | 6.3  | 11                        | 3                            | 27.3  | 2                         | .                            | .    |     |
| Modoc                  | .                         | .                            | .    | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    |     |
| Mono                   | .                         | .                            | .    | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    |     |
| Monterey               | 17                        | .                            | .    | 13                        | 1                            | 7.7  | 18                        | 2                            | 11.1  | 23                        | 4                            | 17.4 | 14                        | 2                            | 14.3 | 15                        | .                            | .     | 12                        | 2                            | 16.7 |     |
| Napa                   | 3                         | .                            | .    | 4                         | 2                            | 50.0 | 4                         | .                            | .     | 5                         | .                            | .    | 2                         | 1                            | 50.0 | 2                         | .                            | .     | 3                         | .                            | .    |     |

**Table 54. Tuberculosis Cases by Resistance to Isoniazid: Reporting Jurisdictions in California, 2008-2014\***

| Reporting Jurisdiction | 2008                      |                              |      | 2009                      |                              |       | 2010                      |                              |      | 2011                      |                              |       | 2012                      |                              |      | 2013                      |                              |      | 2014                      |                              |      |     |
|------------------------|---------------------------|------------------------------|------|---------------------------|------------------------------|-------|---------------------------|------------------------------|------|---------------------------|------------------------------|-------|---------------------------|------------------------------|------|---------------------------|------------------------------|------|---------------------------|------------------------------|------|-----|
|                        | No. with INH**<br>Testing | Cases with Resistance to INH |      | No. with INH**<br>Testing | Cases with Resistance to INH |       | No. with INH**<br>Testing | Cases with Resistance to INH |      | No. with INH**<br>Testing | Cases with Resistance to INH |       | No. with INH**<br>Testing | Cases with Resistance to INH |      | No. with INH**<br>Testing | Cases with Resistance to INH |      | No. with INH**<br>Testing | Cases with Resistance to INH |      |     |
|                        |                           | No.                          | %    |                           | No.                          | %     |                           | No.                          | %    |                           | No.                          | %     |                           | No.                          | %    |                           | No.                          | %    |                           | No.                          | %    | No. |
| Nevada                 | 2                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | 1                         | .                            | .     | .                         | .                            | .    | .                         | .                            | .    | .                         | .                            | .    | .   |
| Orange                 | 187                       | 22                           | 11.8 | 165                       | 29                           | 17.6  | 199                       | 23                           | 11.6 | 181                       | 29                           | 16.0  | 176                       | 25                           | 14.2 | 159                       | 22                           | 13.8 | 158                       | 17                           | 10.8 |     |
| Pasadena               | 3                         | .                            | .    | 3                         | .                            | .     | 4                         | .                            | .    | 4                         | .                            | .     | 10                        | 1                            | 10.0 | 4                         | .                            | .    | 3                         | .                            | .    |     |
| Placer                 | 1                         | .                            | .    | 3                         | 1                            | 33.3  | 2                         | .                            | .    | 4                         | .                            | .     | 3                         | .                            | .    | 4                         | 2                            | 50.0 | 2                         | .                            | .    |     |
| Plumas                 | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .                         | .                            | .    | .                         | .                            | .    | .   |
| Riverside              | 69                        | 7                            | 10.1 | 52                        | 5                            | 9.6   | 64                        | 9                            | 14.1 | 55                        | 2                            | 3.6   | 52                        | 4                            | 7.7  | 49                        | 8                            | 16.3 | 55                        | 5                            | 9.1  |     |
| Sacramento             | 69                        | 6                            | 8.7  | 71                        | 10                           | 14.1  | 43                        | .                            | .    | 54                        | 2                            | 3.7   | 46                        | 6                            | 13.0 | 71                        | 7                            | 9.9  | 54                        | 6                            | 11.1 |     |
| San Benito             | 1                         | .                            | .    | .                         | .                            | .     | 1                         | .                            | .    | 3                         | .                            | .     | .                         | .                            | .    | 1                         | .                            | .    | 1                         | .                            | .    |     |
| San Bernardino         | 64                        | 4                            | 6.3  | 63                        | 5                            | 7.9   | 48                        | 3                            | 6.3  | 44                        | 7                            | 15.9  | 50                        | 8                            | 16.0 | 48                        | 3                            | 6.3  | 32                        | 2                            | 6.3  |     |
| San Diego              | 226                       | 27                           | 11.9 | 176                       | 16                           | 9.1   | 183                       | 15                           | 8.2  | 216                       | 32                           | 14.8  | 183                       | 18                           | 9.8  | 169                       | 15                           | 8.9  | 187                       | 12                           | 6.4  |     |
| San Francisco          | 93                        | 5                            | 5.4  | 85                        | 8                            | 9.4   | 77                        | 13                           | 16.9 | 74                        | 10                           | 13.5  | 84                        | 16                           | 19.0 | 74                        | 10                           | 13.5 | 93                        | 10                           | 10.8 |     |
| San Joaquin            | 49                        | 6                            | 12.2 | 56                        | 6                            | 10.7  | 37                        | 3                            | 8.1  | 40                        | 4                            | 10.0  | 35                        | 3                            | 8.6  | 38                        | 4                            | 10.5 | 37                        | 3                            | 8.1  |     |
| San Luis Obispo        | 1                         | .                            | .    | 3                         | 1                            | 33.3  | 3                         | .                            | .    | 2                         | 1                            | 50.0  | 3                         | .                            | .    | 4                         | .                            | .    | 2                         | .                            | .    |     |
| San Mateo              | 53                        | 8                            | 15.1 | 53                        | 8                            | 15.1  | 45                        | 6                            | 13.3 | 46                        | 8                            | 17.4  | 40                        | 2                            | 5.0  | 46                        | 5                            | 10.9 | 56                        | 1                            | 1.8  |     |
| Santa Barbara          | 32                        | 3                            | 9.4  | 17                        | 4                            | 23.5  | 26                        | 2                            | 7.7  | 17                        | 1                            | 5.9   | 21                        | 1                            | 4.8  | 24                        | 6                            | 25.0 | 26                        | 1                            | 3.8  |     |
| Santa Clara            | 162                       | 28                           | 17.3 | 151                       | 13                           | 8.6   | 150                       | 16                           | 10.7 | 155                       | 20                           | 12.9  | 133                       | 20                           | 15.0 | 143                       | 18                           | 12.6 | 90                        | 8                            | 8.9  |     |
| Santa Cruz             | 5                         | .                            | .    | 5                         | .                            | .     | 7                         | .                            | .    | 5                         | 1                            | 20.0  | 2                         | 1                            | 50.0 | 2                         | .                            | .    | 4                         | 1                            | 25.0 |     |
| Shasta                 | 2                         | .                            | .    | 1                         | .                            | .     | 1                         | .                            | .    | .                         | .                            | .     | 1                         | .                            | .    | 3                         | 1                            | 33.3 | 2                         | .                            | .    |     |
| Sierra                 | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .                         | .                            | .    | .                         | .                            | .    | .   |
| Siskiyou               | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .                         | .                            | .    | .                         | .                            | .    | .   |
| Solano                 | 19                        | 3                            | 15.8 | 18                        | 1                            | 5.6   | 14                        | 1                            | 7.1  | 18                        | 1                            | 5.6   | 11                        | 2                            | 18.2 | 8                         | 1                            | 12.5 | 18                        | 3                            | 16.7 |     |
| Sonoma                 | 7                         | .                            | .    | 8                         | 1                            | 12.5  | 8                         | .                            | .    | 10                        | 2                            | 20.0  | 8                         | .                            | .    | 6                         | 2                            | 33.3 | 5                         | .                            | .    |     |
| Stanislaus             | 19                        | .                            | .    | 18                        | 4                            | 22.2  | 9                         | .                            | .    | 9                         | .                            | .     | 6                         | .                            | .    | 7                         | .                            | .    | 10                        | .                            | .    |     |
| Sutter                 | 6                         | .                            | .    | .                         | .                            | .     | 3                         | .                            | .    | 4                         | .                            | .     | 4                         | 2                            | 50.0 | 4                         | 1                            | 25.0 | 1                         | .                            | .    |     |
| Tehama                 | .                         | .                            | .    | 1                         | 1                            | 100.0 | .                         | .                            | .    | 1                         | .                            | .     | .                         | .                            | .    | .                         | .                            | .    | .                         | .                            | .    |     |
| Trinity                | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .                         | .                            | .    | .                         | .                            | .    | .   |
| Tulare                 | 19                        | 2                            | 10.5 | 15                        | 1                            | 6.7   | 22                        | 1                            | 4.5  | 13                        | .                            | .     | 7                         | .                            | .    | 2                         | .                            | .    | .                         | .                            | .    |     |
| Tuolumne               | .                         | .                            | .    | 1                         | .                            | .     | .                         | .                            | .    | .                         | .                            | .     | .                         | .                            | .    | .                         | .                            | .    | .                         | .                            | .    | .   |
| Ventura                | 35                        | 1                            | 2.9  | 35                        | 2                            | 5.7   | 14                        | .                            | .    | 25                        | 1                            | 4.0   | 27                        | 2                            | 7.4  | 22                        | 2                            | 9.1  | 26                        | 1                            | 3.8  |     |
| Yolo                   | 4                         | .                            | .    | 7                         | 1                            | 14.3  | 7                         | .                            | .    | 3                         | 1                            | 33.3  | 3                         | 1                            | 33.3 | 5                         | .                            | .    | 6                         | .                            | .    |     |
| Yuba                   | 3                         | 1                            | 33.3 | .                         | .                            | .     | 1                         | .                            | .    | 1                         | 1                            | 100.0 | 1                         | .                            | .    | 4                         | 1                            | 25.0 | 2                         | 1                            | 50.0 |     |

**Table 54. Tuberculosis Cases by Resistance to Isoniazid: Reporting Jurisdictions in California, 2008-2014\***

| Reporting Jurisdiction | 2008                      |                              | 2009                      |                              | 2010                      |                              | 2011                      |                              | 2012                      |                              | 2013                      |                              | 2014                      |                              |
|------------------------|---------------------------|------------------------------|---------------------------|------------------------------|---------------------------|------------------------------|---------------------------|------------------------------|---------------------------|------------------------------|---------------------------|------------------------------|---------------------------|------------------------------|
|                        | No. with INH**<br>Testing | Cases with Resistance to INH | No. with INH**<br>Testing | Cases with Resistance to INH | No. with INH**<br>Testing | Cases with Resistance to INH | No. with INH**<br>Testing | Cases with Resistance to INH | No. with INH**<br>Testing | Cases with Resistance to INH | No. with INH**<br>Testing | Cases with Resistance to INH | No. with INH**<br>Testing | Cases with Resistance to INH |
|                        |                           | No.                          |                           | %                            |                           | No.                          |                           | %                            |                           | No.                          |                           | %                            |                           | No.                          |
|                        |                           |                              |                           |                              |                           |                              |                           |                              |                           |                              |                           |                              |                           |                              |

. Indicates zero cases or zero percent

\* At the time of report preparation, drug susceptibility testing was 94 percent complete for culture positive cases reported in 2014

As additional Initial Drug Susceptibility Reports are submitted, overall proportions of drug resistance may change slightly.

\*\* INH=isoniazid

California Department of Public Health, Tuberculosis Control Branch

**Table 55. Multidrug-resistant (MDR) Tuberculosis Cases\*: Reporting Jurisdictions in California, 2008-2014\*\***

| Reporting Jurisdiction | 2008                 |                                 |     | 2009                 |                                 |     | 2010                 |                                 |     | 2011                 |                                 |      | 2012                 |                                 |     | 2013                 |                                 |     | 2014                 |                                 |      |   |
|------------------------|----------------------|---------------------------------|-----|----------------------|---------------------------------|-----|----------------------|---------------------------------|-----|----------------------|---------------------------------|------|----------------------|---------------------------------|-----|----------------------|---------------------------------|-----|----------------------|---------------------------------|------|---|
|                        | No. with MDR Testing | Cases with Multidrug Resistance |     | No. with MDR Testing | Cases with Multidrug Resistance |     | No. with MDR Testing | Cases with Multidrug Resistance |     | No. with MDR Testing | Cases with Multidrug Resistance |      | No. with MDR Testing | Cases with Multidrug Resistance |     | No. with MDR Testing | Cases with Multidrug Resistance |     | No. with MDR Testing | Cases with Multidrug Resistance |      |   |
|                        | No.                  | No.                             | %    | No.                  | No.                             | %   | No.                  | No.                             | %   | No.                  | No.                             | %    |   |
| California             | 2135                 | 31                              | 1.5 | 1919                 | 33                              | 1.7 | 1828                 | 23                              | 1.3 | 1824                 | 35                              | 1.9  | 1721                 | 14                              | 0.8 | 1728                 | 26                              | 1.5 | 1608                 | 17                              | 1.1  |   |
| Alameda                | 99                   | 2                               | 2.0 | 111                  | 4                               | 3.6 | 125                  | 3                               | 2.4 | 91                   | .                               | .    | 98                   | 2                               | 2.0 | 83                   | .                               | .   | 70                   | 1                               | 1.4  |   |
| Alpine                 | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    | . |
| Amador                 | .                    | .                               | .   | .                    | .                               | .   | 1                    | .                               | .   | .                    | .                               | .    | 1                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    | . |
| Berkeley               | 3                    | .                               | .   | 2                    | .                               | .   | 5                    | .                               | .   | 1                    | .                               | .    | 6                    | .                               | .   | 5                    | .                               | .   | 2                    | .                               | .    |   |
| Butte                  | 3                    | .                               | .   | 2                    | .                               | .   | 2                    | .                               | .   | .                    | .                               | .    | 2                    | .                               | .   | 4                    | .                               | .   | 3                    | 1                               | 33.3 |   |
| Calaveras              | .                    | .                               | .   | 2                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    | .                    | .                               | .   | .                    | .                               | .   | 1                    | .                               | .    |   |
| Colusa                 | .                    | .                               | .   | .                    | .                               | .   | 3                    | .                               | .   | .                    | .                               | .    | 1                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    |   |
| Contra Costa           | 61                   | 1                               | 1.6 | 34                   | 1                               | 2.9 | 29                   | .                               | .   | 33                   | 1                               | 3.0  | 45                   | .                               | .   | 42                   | .                               | .   | 39                   | .                               | .    |   |
| Del Norte              | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    |   |
| El Dorado              | 2                    | .                               | .   | .                    | .                               | .   | 1                    | .                               | .   | 3                    | 1                               | 33.3 | 2                    | .                               | .   | 1                    | .                               | .   | 2                    | .                               | .    |   |
| Fresno                 | 58                   | 3                               | 5.2 | 47                   | 3                               | 6.4 | 43                   | 1                               | 2.3 | 35                   | .                               | .    | 28                   | .                               | .   | 34                   | 1                               | 2.9 | 45                   | 2                               | 4.4  |   |
| Glenn                  | 1                    | .                               | .   | .                    | .                               | .   | 1                    | .                               | .   | .                    | .                               | .    | 2                    | .                               | .   | 1                    | .                               | .   | .                    | .                               | .    |   |
| Humboldt               | .                    | .                               | .   | 1                    | .                               | .   | 1                    | .                               | .   | 1                    | .                               | .    | 1                    | .                               | .   | 1                    | .                               | .   | 2                    | .                               | .    |   |
| Imperial               | 16                   | .                               | .   | 34                   | .                               | .   | 21                   | .                               | .   | 25                   | .                               | .    | 28                   | .                               | .   | 30                   | .                               | .   | 27                   | 1                               | 3.7  |   |
| Inyo                   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    |   |
| Kern                   | 46                   | 1                               | 2.2 | 37                   | .                               | .   | 28                   | .                               | .   | 31                   | 1                               | 3.2  | 25                   | .                               | .   | 23                   | .                               | .   | 32                   | .                               | .    |   |
| Kings                  | 5                    | .                               | .   | 4                    | .                               | .   | 3                    | .                               | .   | 5                    | 1                               | 20.0 | 5                    | .                               | .   | 5                    | .                               | .   | 3                    | .                               | .    |   |
| Lake                   | 2                    | .                               | .   | .                    | .                               | .   | 1                    | .                               | .   | 1                    | .                               | .    | .                    | .                               | .   | 1                    | .                               | .   | .                    | .                               | .    |   |
| Lassen                 | .                    | .                               | .   | 1                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    | 1                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    |   |
| Long Beach             | 40                   | 1                               | 2.5 | 40                   | .                               | .   | 36                   | .                               | .   | 22                   | .                               | .    | 26                   | .                               | .   | 30                   | .                               | .   | 22                   | .                               | .    |   |
| Los Angeles            | 625                  | 7                               | 1.1 | 557                  | 5                               | 0.9 | 523                  | 8                               | 1.5 | 536                  | 12                              | 2.2  | 501                  | 4                               | 0.8 | 530                  | 6                               | 1.1 | 459                  | 5                               | 1.1  |   |
| Madera                 | 12                   | .                               | .   | 4                    | .                               | .   | 2                    | .                               | .   | 9                    | .                               | .    | 3                    | .                               | .   | 5                    | .                               | .   | 8                    | .                               | .    |   |
| Marin                  | 4                    | .                               | .   | 8                    | .                               | .   | 7                    | .                               | .   | 10                   | .                               | .    | 9                    | .                               | .   | 7                    | .                               | .   | 5                    | .                               | .    |   |
| Mariposa               | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    |   |
| Mendocino              | 3                    | .                               | .   | 1                    | .                               | .   | .                    | .                               | .   | 2                    | .                               | .    | .                    | .                               | .   | 1                    | .                               | .   | 1                    | .                               | .    |   |
| Merced                 | 5                    | .                               | .   | 10                   | .                               | .   | 6                    | .                               | .   | 6                    | .                               | .    | 16                   | .                               | .   | 11                   | .                               | .   | 2                    | .                               | .    |   |
| Modoc                  | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    |   |
| Mono                   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    |   |
| Monterey               | 16                   | .                               | .   | 13                   | .                               | .   | 18                   | .                               | .   | 23                   | .                               | .    | 14                   | .                               | .   | 15                   | .                               | .   | 12                   | .                               | .    |   |

**Table 55. Multidrug-resistant (MDR) Tuberculosis Cases\*: Reporting Jurisdictions in California, 2008-2014\*\***

| Reporting Jurisdiction | 2008                 |                                 |     | 2009                 |                                 |     | 2010                 |                                 |     | 2011                 |                                 |     | 2012                 |                                 |     | 2013                 |                                 |      | 2014                 |                                 |     |
|------------------------|----------------------|---------------------------------|-----|----------------------|---------------------------------|-----|----------------------|---------------------------------|-----|----------------------|---------------------------------|-----|----------------------|---------------------------------|-----|----------------------|---------------------------------|------|----------------------|---------------------------------|-----|
|                        | No. with MDR Testing | Cases with Multidrug Resistance |     | No. with MDR Testing | Cases with Multidrug Resistance |     | No. with MDR Testing | Cases with Multidrug Resistance |     | No. with MDR Testing | Cases with Multidrug Resistance |     | No. with MDR Testing | Cases with Multidrug Resistance |     | No. with MDR Testing | Cases with Multidrug Resistance |      | No. with MDR Testing | Cases with Multidrug Resistance |     |
|                        | No.                  | No.                             | %    | No.                  | No.                             | %   |
| Napa                   | 3                    | .                               | .   | 4                    | .                               | .   | 4                    | .                               | .   | 5                    | .                               | .   | 2                    | .                               | .   | 2                    | .                               | .    | 3                    | .                               | .   |
| Nevada                 | 2                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | 1                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    | .                    | .                               | .   |
| Orange                 | 187                  | 2                               | 1.1 | 165                  | 6                               | 3.6 | 199                  | 1                               | 0.5 | 181                  | 5                               | 2.8 | 176                  | 1                               | 0.6 | 159                  | 2                               | 1.3  | 158                  | .                               | .   |
| Pasadena               | 3                    | .                               | .   | 3                    | .                               | .   | 4                    | .                               | .   | 4                    | .                               | .   | 10                   | .                               | .   | 4                    | .                               | .    | 3                    | .                               | .   |
| Placer                 | 1                    | .                               | .   | 3                    | .                               | .   | 2                    | .                               | .   | 4                    | .                               | .   | 3                    | .                               | .   | 4                    | 1                               | 25.0 | 2                    | .                               | .   |
| Plumas                 | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    | .                    | .                               | .   |
| Riverside              | 69                   | .                               | .   | 52                   | 1                               | 1.9 | 64                   | 2                               | 3.1 | 55                   | 1                               | 1.8 | 52                   | .                               | .   | 49                   | .                               | .    | 55                   | .                               | .   |
| Sacramento             | 69                   | 3                               | 4.3 | 71                   | 2                               | 2.8 | 43                   | .                               | .   | 54                   | .                               | .   | 46                   | .                               | .   | 71                   | 3                               | 4.2  | 54                   | .                               | .   |
| San Benito             | 1                    | .                               | .   | .                    | .                               | .   | 1                    | .                               | .   | 3                    | .                               | .   | .                    | .                               | .   | 1                    | .                               | .    | 1                    | .                               | .   |
| San Bernardino         | 64                   | .                               | .   | 63                   | .                               | .   | 48                   | .                               | .   | 44                   | .                               | .   | 50                   | 1                               | 2.0 | 48                   | .                               | .    | 32                   | 1                               | 3.1 |
| San Diego              | 226                  | 3                               | 1.3 | 176                  | 3                               | 1.7 | 183                  | 1                               | 0.5 | 216                  | 3                               | 1.4 | 183                  | 2                               | 1.1 | 169                  | 3                               | 1.8  | 187                  | 2                               | 1.1 |
| San Francisco          | 93                   | 1                               | 1.1 | 85                   | .                               | .   | 77                   | 3                               | 3.9 | 74                   | .                               | .   | 84                   | 1                               | 1.2 | 74                   | 3                               | 4.1  | 93                   | 2                               | 2.2 |
| San Joaquin            | 49                   | 1                               | 2.0 | 56                   | 4                               | 7.1 | 37                   | .                               | .   | 40                   | 1                               | 2.5 | 35                   | .                               | .   | 38                   | 1                               | 2.6  | 37                   | .                               | .   |
| San Luis Obispo        | 1                    | .                               | .   | 3                    | .                               | .   | 3                    | .                               | .   | 2                    | .                               | .   | 3                    | .                               | .   | 4                    | .                               | .    | 2                    | .                               | .   |
| San Mateo              | 53                   | 2                               | 3.8 | 53                   | 1                               | 1.9 | 45                   | 1                               | 2.2 | 46                   | 4                               | 8.7 | 40                   | .                               | .   | 46                   | .                               | .    | 56                   | .                               | .   |
| Santa Barbara          | 32                   | .                               | .   | 17                   | .                               | .   | 26                   | .                               | .   | 17                   | 1                               | 5.9 | 21                   | .                               | .   | 24                   | 1                               | 4.2  | 26                   | .                               | .   |
| Santa Clara            | 162                  | 2                               | 1.2 | 151                  | 2                               | 1.3 | 150                  | 3                               | 2.0 | 155                  | 4                               | 2.6 | 132                  | 3                               | 2.3 | 143                  | 4                               | 2.8  | 90                   | 1                               | 1.1 |
| Santa Cruz             | 5                    | .                               | .   | 5                    | .                               | .   | 7                    | .                               | .   | 5                    | .                               | .   | 2                    | .                               | .   | 2                    | .                               | .    | 4                    | .                               | .   |
| Shasta                 | 2                    | .                               | .   | 1                    | .                               | .   | 1                    | .                               | .   | .                    | .                               | .   | 1                    | .                               | .   | 3                    | .                               | .    | 2                    | .                               | .   |
| Sierra                 | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    | .                    | .                               | .   |
| Siskiyou               | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    | .                    | .                               | .   |
| Solano                 | 19                   | .                               | .   | 18                   | .                               | .   | 14                   | .                               | .   | 18                   | .                               | .   | 11                   | .                               | .   | 8                    | .                               | .    | 18                   | 1                               | 5.6 |
| Sonoma                 | 7                    | .                               | .   | 8                    | .                               | .   | 8                    | .                               | .   | 10                   | .                               | .   | 8                    | .                               | .   | 6                    | .                               | .    | 5                    | .                               | .   |
| Stanislaus             | 19                   | .                               | .   | 18                   | .                               | .   | 9                    | .                               | .   | 9                    | .                               | .   | 6                    | .                               | .   | 7                    | .                               | .    | 10                   | .                               | .   |
| Sutter                 | 6                    | .                               | .   | .                    | .                               | .   | 3                    | .                               | .   | 4                    | .                               | .   | 4                    | .                               | .   | 4                    | .                               | .    | 1                    | .                               | .   |
| Tehama                 | .                    | .                               | .   | 1                    | .                               | .   | .                    | .                               | .   | 1                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    | .                    | .                               | .   |
| Trinity                | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    | .                    | .                               | .   |
| Tulare                 | 19                   | 1                               | 5.3 | 15                   | .                               | .   | 22                   | .                               | .   | 13                   | .                               | .   | 7                    | .                               | .   | 2                    | .                               | .    | .                    | .                               | .   |
| Tuolumne               | .                    | .                               | .   | 1                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .   | .                    | .                               | .    | .                    | .                               | .   |
| Ventura                | 35                   | .                               | .   | 35                   | .                               | .   | 14                   | .                               | .   | 25                   | .                               | .   | 27                   | .                               | .   | 22                   | .                               | .    | 26                   | .                               | .   |

**Table 55. Multidrug-resistant (MDR) Tuberculosis Cases\*: Reporting Jurisdictions in California, 2008-2014\*\***

| Reporting Jurisdiction | 2008                 |                                 |      | 2009                 |                                 |      | 2010                 |                                 |   | 2011                 |                                 |   | 2012                 |                                 |   | 2013                 |                                 |      | 2014                 |                                 |   |
|------------------------|----------------------|---------------------------------|------|----------------------|---------------------------------|------|----------------------|---------------------------------|---|----------------------|---------------------------------|---|----------------------|---------------------------------|---|----------------------|---------------------------------|------|----------------------|---------------------------------|---|
|                        | No. with MDR Testing | Cases with Multidrug Resistance |      | No. with MDR Testing | Cases with Multidrug Resistance |      | No. with MDR Testing | Cases with Multidrug Resistance |   | No. with MDR Testing | Cases with Multidrug Resistance |   | No. with MDR Testing | Cases with Multidrug Resistance |   | No. with MDR Testing | Cases with Multidrug Resistance |      | No. with MDR Testing | Cases with Multidrug Resistance |   |
|                        | No.                  | No.                             | %    | No.                  | No.                             | %    | No.                  | No.                             | % | No.                  | No.                             | % | No.                  | No.                             | % | No.                  | No.                             | %    | No.                  | No.                             | % |
| Yolo                   | 4                    | .                               | .    | 7                    | 1                               | 14.3 | 7                    | .                               | . | 3                    | .                               | . | 3                    | .                               | . | 5                    | .                               | .    | 6                    | .                               | . |
| Yuba                   | 3                    | 1                               | 33.3 | .                    | .                               | .    | 1                    | .                               | . | 1                    | .                               | . | 1                    | .                               | . | 4                    | 1                               | 25.0 | 2                    | .                               | . |

. Indicates zero cases or zero percent

\* Cases with resistance to at least isoniazid and rifampin

\*\* At the time of report preparation, drug susceptibility testing was 94 percent complete for culture positive cases reported in 2014

As additional Initial Drug Susceptibility Reports are submitted, overall proportions of drug resistance may change slightly.

California Department of Public Health, Tuberculosis Control Branch

**Table 56. Multidrug-resistant (MDR) Tuberculosis Cases by Country of Origin\*: Reporting Jurisdictions in California, 2010-2014**

| Birth Country | No. with MDR Testing | Cases with Multidrug Resistance |       | Time in U.S. at TB diagnosis: <1 year |      | Time in U.S. at TB diagnosis: 1-2 years |      | Time in U.S. at TB diagnosis: 3-5 years |      | Time in U.S. at TB diagnosis: >5 years |      |
|---------------|----------------------|---------------------------------|-------|---------------------------------------|------|---|------|---|------|--|------|
|               |                      | No.                             | %     | No.                                   | %    | No.                                     | %    | No.                                     | %    | No.                                    | %    |
| Kyrgyzstan    | 2                    | 2                               | 100.0 | .                                     | .    | 2                                       | 100  | .                                       | .    | .                                      | .    |
| Moldova       | 2                    | 2                               | 100.0 | 2                                     | 100  | .                                       | .    | .                                       | .    | .                                      | .    |
| Ukraine       | 16                   | 4                               | 25.0  | 2                                     | 50   | .                                       | .    | .                                       | .    | 2                                      | 50   |
| Malaysia      | 8                    | 1                               | 12.5  | .                                     | .    | .                                       | .    | 1                                       | 100  | .                                      | .    |
| Bangladesh    | 9                    | 1                               | 11.1  | .                                     | .    | .                                       | .    | 1                                       | 100  | .                                      | .    |
| Russia        | 19                   | 2                               | 10.5  | .                                     | .    | .                                       | .    | .                                       | .    | 2                                      | 100  |
| Haiti         | 11                   | 1                               | 9.1   | .                                     | .    | .                                       | .    | .                                       | .    | 1                                      | 100  |
| Armenia       | 24                   | 2                               | 8.3   | .                                     | .    | 1                                       | 50   | .                                       | .    | 1                                      | 50   |
| Laos          | 165                  | 11                              | 6.7   | .                                     | .    | .                                       | .    | 2                                       | 18.2 | 9                                      | 81.8 |
| Thailand      | 65                   | 3                               | 4.6   | .                                     | .    | .                                       | .    | 1                                       | 33.3 | 2                                      | 66.7 |
| Mongolia      | 23                   | 1                               | 4.3   | 1                                     | 100  | .                                       | .    | .                                       | .    | .                                      | .    |
| Nicaragua     | 27                   | 1                               | 3.7   | .                                     | .    | .                                       | .    | 1                                       | 100  | .                                      | .    |
| Peru          | 82                   | 3                               | 3.7   | 2                                     | 66.7 | .                                       | .    | .                                       | .    | 1                                      | 33.3 |
| Burma         | 89                   | 3                               | 3.4   | 2                                     | 66.7 | .                                       | .    | 1                                       | 33.3 | .                                      | .    |
| Korea, North  | 121                  | 4                               | 3.3   | .                                     | .    | .                                       | .    | 1                                       | 25   | 3                                      | 75   |
| Korea, South  | 247                  | 8                               | 3.2   | .                                     | .    | .                                       | .    | 3                                       | 37.5 | 5                                      | 62.5 |
| Somalia       | 31                   | 1                               | 3.2   | .                                     | .    | .                                       | .    | .                                       | .    | 1                                      | 100  |
| Guatemala     | 273                  | 7                               | 2.6   | 1                                     | 14.3 | 1                                       | 14.3 | .                                       | .    | 5                                      | 71.4 |
| Honduras      | 82                   | 2                               | 2.4   | .                                     | .    | .                                       | .    | 1                                       | 50   | 1                                      | 50   |
| Japan         | 43                   | 1                               | 2.3   | .                                     | .    | .                                       | .    | .                                       | .    | 1                                      | 100  |
| India         | 532                  | 12                              | 2.3   | 4                                     | 33.3 | .                                       | .    | 1                                       | 8.3  | 7                                      | 58.3 |
| Hong Kong     | 54                   | 1                               | 1.9   | .                                     | .    | .                                       | .    | .                                       | .    | 1                                      | 100  |
| Vietnam       | 1254                 | 23                              | 1.8   | 6                                     | 26.1 | 4                                       | 17.4 | 3                                       | 13   | 9                                      | 39.1 |
| California    | 11172                | 175                             | 1.6   | 32                                    | 18.3 | 12                                      | 6.9  | 25                                      | 14.3 | 92                                     | 52.6 |
| Philippines   | 2199                 | 34                              | 1.5   | 7                                     | 20.6 | 3                                       | 8.8  | 3                                       | 8.8  | 21                                     | 61.8 |
| Ethiopia      | 75                   | 1                               | 1.3   | .                                     | .    | .                                       | .    | 1                                       | 100  | .                                      | .    |
| China‡        | 738                  | 9                               | 1.2   | 5                                     | 55.6 | .                                       | .    | 3                                       | 33.3 | 1                                      | 11.1 |
| Taiwan        | 82                   | 1                               | 1.2   | .                                     | .    | .                                       | .    | 1                                       | 100  | .                                      | .    |
| Cambodia      | 189                  | 2                               | 1.1   | .                                     | .    | .                                       | .    | .                                       | .    | 2                                      | 100  |
| United States | 1641                 | 12                              | 0.7   | .                                     | .    | .                                       | .    | .                                       | .    | .                                      | .    |
| Mexico        | 2890                 | 19                              | 0.7   | .                                     | .    | 1                                       | 5.3  | 1                                       | 5.3  | 16                                     | 84.2 |
| El Salvador   | 179                  | 1                               | 0.6   | .                                     | .    | .                                       | .    | .                                       | .    | 1                                      | 100  |

. Indicates zero cases or zero percent

\* Cases with resistance to at least isoniazid and rifampin

California Department of Public Health, Tuberculosis Control Branch

**Table 57. Tuberculosis Cases by Outcome of Therapy: Reporting Jurisdictions in California, 2012**

| Reporting Jurisdiction | Cases Starting Therapy | Completed Treatment <= 12 months |       | Completed Treatment > 12 months |      | Died |       | Lost |     | Refused |     | Adverse Treatment Effect |      | Other/Unknown |      | No Information |       |
|------------------------|------------------------|----------------------------------|-------|---------------------------------|------|------|-------|------|-----|---------|-----|--------------------------|------|---------------|------|----------------|-------|
|                        |                        | No.                              | %     | No.                             | %    | No.  | %     | No.  | %   | No.     | %   | No.                      | %    | No.           | %    | No.            | %     |
| California             | 2131                   | 1619                             | 76.0  | 203                             | 9.5  | 166  | 7.8   | 18   | 0.8 | 15      | 0.7 | 7                        | 0.3  | 80            | 3.8  | 23             | 1.1   |
| Alameda                | 133                    | 101                              | 75.9  | 12                              | 9.0  | 3    | 2.3   | 3    | 2.3 | .       | .   | 1                        | 0.8  | 13            | 9.8  | .              | .     |
| Alpine                 | .                      | .                                | .     | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Amador                 | 1                      | 1                                | 100.0 | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Berkeley               | 6                      | 5                                | 83.3  | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | 1             | 16.7 | .              | .     |
| Butte                  | 4                      | 3                                | 75.0  | 1                               | 25.0 | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Calaveras              | 1                      | .                                | .     | .                               | .    | 1    | 100.0 | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Colusa                 | 2                      | 2                                | 100.0 | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Contra Costa           | 54                     | 48                               | 88.9  | 4                               | 7.4  | 2    | 3.7   | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Del Norte              | .                      | .                                | .     | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| El Dorado              | 2                      | 2                                | 100.0 | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Fresno                 | 33                     | 26                               | 78.8  | 1                               | 3.0  | 2    | 6.1   | 1    | 3.0 | .       | .   | 1                        | 3.0  | 1             | 3.0  | 1              | 3.0   |
| Glenn                  | 3                      | 3                                | 100.0 | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Humboldt               | 5                      | 3                                | 60.0  | 1                               | 20.0 | .    | .     | .    | .   | .       | .   | .                        | .    | 1             | 20.0 | .              | .     |
| Imperial               | 28                     | 18                               | 64.3  | 1                               | 3.6  | 3    | 10.7  | 2    | 7.1 | 2       | 7.1 | .                        | .    | 2             | 7.1  | .              | .     |
| Inyo                   | .                      | .                                | .     | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Kern                   | 34                     | 25                               | 73.5  | 6                               | 17.6 | 2    | 5.9   | .    | .   | .       | .   | .                        | .    | 1             | 2.9  | .              | .     |
| Kings                  | 5                      | 3                                | 60.0  | 2                               | 40.0 | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Lake                   | 2                      | 1                                | 50.0  | .                               | .    | .    | .     | .    | .   | .       | .   | 1                        | 50.0 | .             | .    | .              | .     |
| Lassen                 | 2                      | .                                | .     | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | 2              | 100.0 |
| Long Beach             | 34                     | 25                               | 73.5  | 2                               | 5.9  | 6    | 17.6  | .    | .   | .       | .   | .                        | .    | 1             | 2.9  | .              | .     |
| Los Angeles            | 603                    | 471                              | 78.1  | 42                              | 7.0  | 62   | 10.3  | 6    | 1.0 | 1       | 0.2 | 1                        | 0.2  | 14            | 2.3  | 6              | 1.0   |
| Madera                 | 10                     | 8                                | 80.0  | 2                               | 20.0 | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Marin                  | 14                     | 10                               | 71.4  | 2                               | 14.3 | 1    | 7.1   | .    | .   | .       | .   | .                        | .    | 1             | 7.1  | .              | .     |
| Mariposa               | .                      | .                                | .     | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Mendocino              | 2                      | 2                                | 100.0 | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Merced                 | 19                     | 14                               | 73.7  | 1                               | 5.3  | .    | .     | 1    | 5.3 | 1       | 5.3 | 1                        | 5.3  | .             | .    | 1              | 5.3   |
| Modoc                  | .                      | .                                | .     | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Mono                   | .                      | .                                | .     | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Monterey               | 18                     | 13                               | 72.2  | 3                               | 16.7 | 1    | 5.6   | .    | .   | .       | .   | .                        | .    | 1             | 5.6  | .              | .     |
| Napa                   | 3                      | 2                                | 66.7  | .                               | .    | 1    | 33.3  | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Nevada                 | 1                      | .                                | .     | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | 1              | 100.0 |
| Orange                 | 186                    | 144                              | 77.4  | 15                              | 8.1  | 18   | 9.7   | .    | .   | 5       | 2.7 | .                        | .    | 3             | 1.6  | 1              | 0.5   |

**Table 57. Tuberculosis Cases by Outcome of Therapy: Reporting Jurisdictions in California, 2012**

| Reporting Jurisdiction | Cases Starting Therapy | Completed Treatment <= 12 months |       | Completed Treatment > 12 months |      | Died |       | Lost |      | Refused |     | Adverse Treatment Effect |      | Other/Unknown |      | No Information |      |
|------------------------|------------------------|----------------------------------|-------|---------------------------------|------|------|-------|------|------|---------|-----|--------------------------|------|---------------|------|----------------|------|
|                        |                        | No.                              | %     | No.                             | %    | No.  | %     | No.  | %    | No.     | %   | No.                      | %    | No.           | %    | No.            | %    |
| Pasadena               | 10                     | 6                                | 60.0  | 1                               | 10.0 | 1    | 10.0  | 1    | 10.0 | .       | .   | 1                        | 10.0 | .             | .    | .              | .    |
| Placer                 | 6                      | 3                                | 50.0  | 2                               | 33.3 | 1    | 16.7  | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| Plumas                 | .                      | .                                | .     | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| Riverside              | 56                     | 44                               | 78.6  | 4                               | 7.1  | 6    | 10.7  | .    | .    | 1       | 1.8 | .                        | .    | 1             | 1.8  | .              | .    |
| Sacramento             | 62                     | 46                               | 74.2  | 4                               | 6.5  | 4    | 6.5   | .    | .    | 3       | 4.8 | .                        | .    | 4             | 6.5  | 1              | 1.6  |
| San Benito             | .                      | .                                | .     | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| San Bernardino         | 54                     | 39                               | 72.2  | 3                               | 5.6  | 6    | 11.1  | 1    | 1.9  | .       | .   | .                        | .    | 3             | 5.6  | 2              | 3.7  |
| San Diego              | 232                    | 173                              | 74.6  | 26                              | 11.2 | 15   | 6.5   | 1    | 0.4  | 1       | 0.4 | 1                        | 0.4  | 14            | 6.0  | 1              | 0.4  |
| San Francisco          | 112                    | 83                               | 74.1  | 20                              | 17.9 | 6    | 5.4   | .    | .    | .       | .   | .                        | .    | 3             | 2.7  | .              | .    |
| San Joaquin            | 44                     | 31                               | 70.5  | 5                               | 11.4 | 6    | 13.6  | .    | .    | .       | .   | .                        | .    | 2             | 4.5  | .              | .    |
| San Luis Obispo        | 2                      | 2                                | 100.0 | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| San Mateo              | 54                     | 41                               | 75.9  | 7                               | 13.0 | 3    | 5.6   | .    | .    | 1       | 1.9 | .                        | .    | 2             | 3.7  | .              | .    |
| Santa Barbara          | 24                     | 15                               | 62.5  | 3                               | 12.5 | 3    | 12.5  | .    | .    | .       | .   | .                        | .    | 2             | 8.3  | 1              | 4.2  |
| Santa Clara            | 170                    | 127                              | 74.7  | 25                              | 14.7 | 9    | 5.3   | .    | .    | .       | .   | .                        | .    | 6             | 3.5  | 3              | 1.8  |
| Santa Cruz             | 7                      | 6                                | 85.7  | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | 1             | 14.3 | .              | .    |
| Shasta                 | 1                      | .                                | .     | .                               | .    | 1    | 100.0 | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| Sierra                 | .                      | .                                | .     | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| Siskiyou               | .                      | .                                | .     | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| Solano                 | 15                     | 13                               | 86.7  | .                               | .    | 1    | 6.7   | .    | .    | .       | .   | .                        | .    | 1             | 6.7  | .              | .    |
| Sonoma                 | 14                     | 11                               | 78.6  | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | 3              | 21.4 |
| Stanislaus             | 7                      | 4                                | 57.1  | 2                               | 28.6 | .    | .     | 1    | 14.3 | .       | .   | .                        | .    | .             | .    | .              | .    |
| Sutter                 | 5                      | 2                                | 40.0  | 1                               | 20.0 | 1    | 20.0  | .    | .    | .       | .   | .                        | .    | 1             | 20.0 | .              | .    |
| Tehama                 | .                      | .                                | .     | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| Trinity                | .                      | .                                | .     | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| Tulare                 | 12                     | 10                               | 83.3  | .                               | .    | 1    | 8.3   | 1    | 8.3  | .       | .   | .                        | .    | .             | .    | .              | .    |
| Tuolumne               | .                      | .                                | .     | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| Ventura                | 34                     | 29                               | 85.3  | 5                               | 14.7 | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| Yolo                   | 3                      | 2                                | 66.7  | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | 1             | 33.3 | .              | .    |
| Yuba                   | 2                      | 2                                | 100.0 | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |

. Indicates zero cases or zero percent

California Department of Public Health, Tuberculosis Control Branch

**Table 58. Outcome in Tuberculosis Cases for Whom One Year or Less of Therapy was Indicated\*: Reporting Jurisdictions in California, 2012**

| Reporting Jurisdiction | Cases Starting Therapy | Completed Treatment <= 12 months |       | Completed Treatment > 12 months |      | Died |       | Lost |     | Refused |     | Adverse Treatment Effect |      | Other/Unknown |      | No Information |       |
|------------------------|------------------------|----------------------------------|-------|---------------------------------|------|------|-------|------|-----|---------|-----|--------------------------|------|---------------|------|----------------|-------|
|                        |                        | No.                              | %     | No.                             | %    | No.  | %     | No.  | %   | No.     | %   | No.                      | %    | No.           | %    | No.            | %     |
| California             | 2114                   | 1619                             | 76.6  | 194                             | 9.2  | 166  | 7.9   | 17   | 0.8 | 15      | 0.7 | 7                        | 0.3  | 77            | 3.6  | 19             | 0.9   |
| Alameda                | 131                    | 101                              | 77.1  | 12                              | 9.2  | 3    | 2.3   | 3    | 2.3 | .       | .   | 1                        | 0.8  | 11            | 8.4  | .              | .     |
| Alpine                 | .                      | .                                | .     | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Amador                 | 1                      | 1                                | 100.0 | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Berkeley               | 6                      | 5                                | 83.3  | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | 1             | 16.7 | .              | .     |
| Butte                  | 4                      | 3                                | 75.0  | 1                               | 25.0 | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Calaveras              | 1                      | .                                | .     | .                               | .    | 1    | 100.0 | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Colusa                 | 2                      | 2                                | 100.0 | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Contra Costa           | 54                     | 48                               | 88.9  | 4                               | 7.4  | 2    | 3.7   | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Del Norte              | .                      | .                                | .     | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| El Dorado              | 2                      | 2                                | 100.0 | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Fresno                 | 33                     | 26                               | 78.8  | 1                               | 3.0  | 2    | 6.1   | 1    | 3.0 | .       | .   | 1                        | 3.0  | 1             | 3.0  | 1              | 3.0   |
| Glenn                  | 3                      | 3                                | 100.0 | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Humboldt               | 5                      | 3                                | 60.0  | 1                               | 20.0 | .    | .     | .    | .   | .       | .   | .                        | .    | 1             | 20.0 | .              | .     |
| Imperial               | 28                     | 18                               | 64.3  | 1                               | 3.6  | 3    | 10.7  | 2    | 7.1 | 2       | 7.1 | .                        | .    | 2             | 7.1  | .              | .     |
| Inyo                   | .                      | .                                | .     | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Kern                   | 34                     | 25                               | 73.5  | 6                               | 17.6 | 2    | 5.9   | .    | .   | .       | .   | .                        | .    | 1             | 2.9  | .              | .     |
| Kings                  | 5                      | 3                                | 60.0  | 2                               | 40.0 | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Lake                   | 2                      | 1                                | 50.0  | .                               | .    | .    | .     | .    | .   | .       | .   | 1                        | 50.0 | .             | .    | .              | .     |
| Lassen                 | 2                      | .                                | .     | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | 2              | 100.0 |
| Long Beach             | 34                     | 25                               | 73.5  | 2                               | 5.9  | 6    | 17.6  | .    | .   | .       | .   | .                        | .    | 1             | 2.9  | .              | .     |
| Los Angeles            | 597                    | 471                              | 78.9  | 39                              | 6.5  | 62   | 10.4  | 5    | 0.8 | 1       | 0.2 | 1                        | 0.2  | 14            | 2.3  | 4              | 0.7   |
| Madera                 | 10                     | 8                                | 80.0  | 2                               | 20.0 | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Marin                  | 14                     | 10                               | 71.4  | 2                               | 14.3 | 1    | 7.1   | .    | .   | .       | .   | .                        | .    | 1             | 7.1  | .              | .     |
| Mariposa               | .                      | .                                | .     | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Mendocino              | 2                      | 2                                | 100.0 | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Merced                 | 19                     | 14                               | 73.7  | 1                               | 5.3  | .    | .     | 1    | 5.3 | 1       | 5.3 | 1                        | 5.3  | .             | .    | 1              | 5.3   |
| Modoc                  | .                      | .                                | .     | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Mono                   | .                      | .                                | .     | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Monterey               | 18                     | 13                               | 72.2  | 3                               | 16.7 | 1    | 5.6   | .    | .   | .       | .   | .                        | .    | 1             | 5.6  | .              | .     |
| Napa                   | 3                      | 2                                | 66.7  | .                               | .    | 1    | 33.3  | .    | .   | .       | .   | .                        | .    | .             | .    | .              | .     |
| Nevada                 | 1                      | .                                | .     | .                               | .    | .    | .     | .    | .   | .       | .   | .                        | .    | .             | .    | 1              | 100.0 |
| Orange                 | 185                    | 144                              | 77.8  | 14                              | 7.6  | 18   | 9.7   | .    | .   | 5       | 2.7 | .                        | .    | 3             | 1.6  | 1              | 0.5   |

**Table 58. Outcome in Tuberculosis Cases for Whom One Year or Less of Therapy was Indicated\*: Reporting Jurisdictions in California, 2012**

| Reporting Jurisdiction | Cases Starting Therapy | Completed Treatment <= 12 months |       | Completed Treatment > 12 months |      | Died |       | Lost |      | Refused |     | Adverse Treatment Effect |      | Other/Unknown |      | No Information |      |
|------------------------|------------------------|----------------------------------|-------|---------------------------------|------|------|-------|------|------|---------|-----|--------------------------|------|---------------|------|----------------|------|
|                        |                        | No.                              | %     | No.                             | %    | No.  | %     | No.  | %    | No.     | %   | No.                      | %    | No.           | %    | No.            | %    |
| Pasadena               | 10                     | 6                                | 60.0  | 1                               | 10.0 | 1    | 10.0  | 1    | 10.0 | .       | .   | 1                        | 10.0 | .             | .    | .              | .    |
| Placer                 | 6                      | 3                                | 50.0  | 2                               | 33.3 | 1    | 16.7  | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| Plumas                 | .                      | .                                | .     | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| Riverside              | 56                     | 44                               | 78.6  | 4                               | 7.1  | 6    | 10.7  | .    | .    | 1       | 1.8 | .                        | .    | 1             | 1.8  | .              | .    |
| Sacramento             | 61                     | 46                               | 75.4  | 3                               | 4.9  | 4    | 6.6   | .    | .    | 3       | 4.9 | .                        | .    | 4             | 6.6  | 1              | 1.6  |
| San Benito             | .                      | .                                | .     | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| San Bernardino         | 53                     | 39                               | 73.6  | 2                               | 3.8  | 6    | 11.3  | 1    | 1.9  | .       | .   | .                        | .    | 3             | 5.7  | 2              | 3.8  |
| San Diego              | 230                    | 173                              | 75.2  | 24                              | 10.4 | 15   | 6.5   | 1    | 0.4  | 1       | 0.4 | 1                        | 0.4  | 14            | 6.1  | 1              | 0.4  |
| San Francisco          | 111                    | 83                               | 74.8  | 20                              | 18.0 | 6    | 5.4   | .    | .    | .       | .   | .                        | .    | 2             | 1.8  | .              | .    |
| San Joaquin            | 44                     | 31                               | 70.5  | 5                               | 11.4 | 6    | 13.6  | .    | .    | .       | .   | .                        | .    | 2             | 4.5  | .              | .    |
| San Luis Obispo        | 2                      | 2                                | 100.0 | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| San Mateo              | 54                     | 41                               | 75.9  | 7                               | 13.0 | 3    | 5.6   | .    | .    | 1       | 1.9 | .                        | .    | 2             | 3.7  | .              | .    |
| Santa Barbara          | 24                     | 15                               | 62.5  | 3                               | 12.5 | 3    | 12.5  | .    | .    | .       | .   | .                        | .    | 2             | 8.3  | 1              | 4.2  |
| Santa Clara            | 167                    | 127                              | 76.0  | 24                              | 14.4 | 9    | 5.4   | .    | .    | .       | .   | .                        | .    | 6             | 3.6  | 1              | 0.6  |
| Santa Cruz             | 7                      | 6                                | 85.7  | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | 1             | 14.3 | .              | .    |
| Shasta                 | 1                      | .                                | .     | .                               | .    | 1    | 100.0 | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| Sierra                 | .                      | .                                | .     | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| Siskiyou               | .                      | .                                | .     | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| Solano                 | 15                     | 13                               | 86.7  | .                               | .    | 1    | 6.7   | .    | .    | .       | .   | .                        | .    | 1             | 6.7  | .              | .    |
| Sonoma                 | 14                     | 11                               | 78.6  | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | 3              | 21.4 |
| Stanislaus             | 7                      | 4                                | 57.1  | 2                               | 28.6 | .    | .     | 1    | 14.3 | .       | .   | .                        | .    | .             | .    | .              | .    |
| Sutter                 | 5                      | 2                                | 40.0  | 1                               | 20.0 | 1    | 20.0  | .    | .    | .       | .   | .                        | .    | 1             | 20.0 | .              | .    |
| Tehama                 | .                      | .                                | .     | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| Trinity                | .                      | .                                | .     | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| Tulare                 | 12                     | 10                               | 83.3  | .                               | .    | 1    | 8.3   | 1    | 8.3  | .       | .   | .                        | .    | .             | .    | .              | .    |
| Tuolumne               | .                      | .                                | .     | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| Ventura                | 34                     | 29                               | 85.3  | 5                               | 14.7 | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |
| Yolo                   | 3                      | 2                                | 66.7  | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | 1             | 33.3 | .              | .    |
| Yuba                   | 2                      | 2                                | 100.0 | .                               | .    | .    | .     | .    | .    | .       | .   | .                        | .    | .             | .    | .              | .    |

. Indicates zero cases or zero percent

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

California Department of Public Health, Tuberculosis Control Branch

**Table 59. Outcome in Tuberculosis Cases for Whom One Year or Less of Therapy was Indicated\*: Reporting Jurisdictions in California, 2007-2012**

| Reporting Jurisdiction | 2007                   |                                  |       | 2008                   |                                  |       | 2009                   |                                  |       | 2010                   |                                  |       | 2011                   |                                  |       | 2012                   |                                  |       |
|------------------------|------------------------|----------------------------------|-------|------------------------|----------------------------------|-------|------------------------|----------------------------------|-------|------------------------|----------------------------------|-------|------------------------|----------------------------------|-------|------------------------|----------------------------------|-------|
|                        | Cases Starting Therapy | Completed Treatment <= 12 months |       | Cases Starting Therapy | Completed Treatment <= 12 months |       | Cases Starting Therapy | Completed Treatment <= 12 months |       | Cases Starting Therapy | Completed Treatment <= 12 months |       | Cases Starting Therapy | Completed Treatment <= 12 months |       | Cases Starting Therapy | Completed Treatment <= 12 months |       |
|                        |                        | No.                              | %     |
| California             | 2224                   | 1818                             | 81.7  | 2212                   | 1897                             | 85.8  | 1995                   | 1715                             | 86.0  | 1976                   | 1685                             | 85.3  | 1939                   | 1634                             | 84.3  | 1845                   | 1578                             | 85.5  |
| Alameda                | 128                    | 104                              | 81.3  | 114                    | 102                              | 89.5  | 133                    | 119                              | 89.5  | 155                    | 134                              | 86.5  | 111                    | 99                               | 89.2  | 121                    | 100                              | 82.6  |
| Amador                 | .                      | .                                | .     | .                      | .                                | .     | .                      | .                                | .     | 1                      | 1                                | 100.0 | .                      | .                                | .     | 1                      | 1                                | 100.0 |
| Berkeley               | 5                      | 4                                | 80.0  | 3                      | 3                                | 100.0 | 3                      | 2                                | 66.7  | 9                      | 7                                | 77.8  | 1                      | .                                | .     | 6                      | 5                                | 83.3  |
| Butte                  | 2                      | 2                                | 100.0 | 3                      | 3                                | 100.0 | 2                      | 2                                | 100.0 | 1                      | 1                                | 100.0 | .                      | .                                | .     | 3                      | 3                                | 100.0 |
| Calaveras              | 1                      | 1                                | 100.0 | .                      | .                                | .     | 2                      | .                                | .     | .                      | .                                | .     | 1                      | 1                                | 100.0 | .                      | .                                | .     |
| Colusa                 | .                      | .                                | .     | 1                      | 1                                | 100.0 | .                      | .                                | .     | 3                      | 2                                | 66.7  | .                      | .                                | .     | 2                      | 2                                | 100.0 |
| Contra Costa           | 43                     | 37                               | 86.0  | 69                     | 65                               | 94.2  | 41                     | 37                               | 90.2  | 28                     | 22                               | 78.6  | 53                     | 50                               | 94.3  | 51                     | 48                               | 94.1  |
| El Dorado              | 1                      | 1                                | 100.0 | 3                      | 3                                | 100.0 | 1                      | 1                                | 100.0 | 1                      | 1                                | 100.0 | 2                      | 2                                | 100.0 | 1                      | 1                                | 100.0 |
| Fresno                 | 37                     | 25                               | 67.6  | 64                     | 52                               | 81.3  | 51                     | 40                               | 78.4  | 48                     | 40                               | 83.3  | 39                     | 31                               | 79.5  | 31                     | 26                               | 83.9  |
| Glenn                  | 1                      | 1                                | 100.0 | 1                      | .                                | .     | .                      | .                                | .     | 1                      | 1                                | 100.0 | .                      | .                                | .     | 3                      | 3                                | 100.0 |
| Humboldt               | .                      | .                                | .     | .                      | .                                | .     | 2                      | 2                                | 100.0 | 1                      | 1                                | 100.0 | .                      | .                                | .     | 4                      | 3                                | 75.0  |
| Imperial               | 19                     | 15                               | 78.9  | 16                     | 13                               | 81.3  | 25                     | 14                               | 56.0  | 18                     | 11                               | 61.1  | 23                     | 6                                | 26.1  | 24                     | 18                               | 75.0  |
| Inyo                   | 1                      | 1                                | 100.0 | .                      | .                                | .     | .                      | .                                | .     | .                      | .                                | .     | .                      | .                                | .     | .                      | .                                | .     |
| Kern                   | 29                     | 20                               | 69.0  | 40                     | 35                               | 87.5  | 36                     | 25                               | 69.4  | 26                     | 20                               | 76.9  | 34                     | 26                               | 76.5  | 29                     | 24                               | 82.8  |
| Kings                  | 5                      | 4                                | 80.0  | 4                      | 3                                | 75.0  | 4                      | 3                                | 75.0  | 4                      | 3                                | 75.0  | 5                      | 5                                | 100.0 | 5                      | 3                                | 60.0  |
| Lake                   | 1                      | 1                                | 100.0 | 2                      | 2                                | 100.0 | .                      | .                                | .     | 2                      | 2                                | 100.0 | 1                      | 1                                | 100.0 | 1                      | 1                                | 100.0 |
| Lassen                 | .                      | .                                | .     | .                      | .                                | .     | .                      | .                                | .     | .                      | .                                | .     | .                      | .                                | .     | 2                      | .                                | .     |
| Long Beach             | 28                     | 23                               | 82.1  | 37                     | 36                               | 97.3  | 35                     | 30                               | 85.7  | 38                     | 35                               | 92.1  | 22                     | 19                               | 86.4  | 26                     | 23                               | 88.5  |
| Los Angeles            | 658                    | 545                              | 82.8  | 638                    | 540                              | 84.6  | 548                    | 477                              | 87.0  | 572                    | 493                              | 86.2  | 552                    | 475                              | 86.1  | 504                    | 453                              | 89.9  |
| Madera                 | 1                      | 1                                | 100.0 | 19                     | 18                               | 94.7  | 8                      | 6                                | 75.0  | 3                      | 3                                | 100.0 | 11                     | 11                               | 100.0 | 10                     | 8                                | 80.0  |
| Marin                  | 14                     | 14                               | 100.0 | 5                      | 3                                | 60.0  | 11                     | 9                                | 81.8  | 7                      | 5                                | 71.4  | 11                     | 9                                | 81.8  | 13                     | 10                               | 76.9  |
| Mendocino              | 2                      | 2                                | 100.0 | 3                      | 3                                | 100.0 | 2                      | 2                                | 100.0 | .                      | .                                | .     | 2                      | 2                                | 100.0 | 2                      | 2                                | 100.0 |
| Merced                 | 4                      | 3                                | 75.0  | 4                      | 4                                | 100.0 | 9                      | 8                                | 88.9  | 2                      | 1                                | 50.0  | 6                      | 4                                | 66.7  | 19                     | 14                               | 73.7  |
| Monterey               | 20                     | 18                               | 90.0  | 22                     | 21                               | 95.5  | 10                     | 9                                | 90.0  | 17                     | 14                               | 82.4  | 19                     | 17                               | 89.5  | 15                     | 13                               | 86.7  |
| Napa                   | 7                      | 6                                | 85.7  | 1                      | 1                                | 100.0 | 6                      | 5                                | 83.3  | 5                      | 4                                | 80.0  | 6                      | 6                                | 100.0 | 1                      | 1                                | 100.0 |
| Nevada                 | .                      | .                                | .     | 3                      | 3                                | 100.0 | .                      | .                                | .     | .                      | .                                | .     | 1                      | 1                                | 100.0 | 1                      | .                                | .     |
| Orange                 | 175                    | 128                              | 73.1  | 163                    | 136                              | 83.4  | 162                    | 129                              | 79.6  | 191                    | 155                              | 81.2  | 170                    | 141                              | 82.9  | 160                    | 141                              | 88.1  |
| Pasadena               | 3                      | 2                                | 66.7  | 4                      | 2                                | 50.0  | 3                      | 3                                | 100.0 | 4                      | 4                                | 100.0 | 5                      | 3                                | 60.0  | 7                      | 5                                | 71.4  |
| Placer                 | 13                     | 9                                | 69.2  | 2                      | 2                                | 100.0 | 7                      | 5                                | 71.4  | 3                      | 3                                | 100.0 | 4                      | 3                                | 75.0  | 4                      | 3                                | 75.0  |
| Riverside              | 63                     | 52                               | 82.5  | 69                     | 59                               | 85.5  | 56                     | 52                               | 92.9  | 61                     | 53                               | 86.9  | 60                     | 57                               | 95.0  | 50                     | 44                               | 88.0  |
| Sacramento             | 95                     | 77                               | 81.1  | 90                     | 78                               | 86.7  | 78                     | 67                               | 85.9  | 55                     | 47                               | 85.5  | 64                     | 55                               | 85.9  | 55                     | 46                               | 83.6  |

**Table 59. Outcome in Tuberculosis Cases for Whom One Year or Less of Therapy was Indicated\*: Reporting Jurisdictions in California, 2007-2012**

| Reporting Jurisdiction | 2007                   |                                  |       | 2008                   |                                  |       | 2009                   |                                  |       | 2010                   |                                  |       | 2011                   |                                  |       | 2012                   |                                  |       |
|------------------------|------------------------|----------------------------------|-------|------------------------|----------------------------------|-------|------------------------|----------------------------------|-------|------------------------|----------------------------------|-------|------------------------|----------------------------------|-------|------------------------|----------------------------------|-------|
|                        | Cases Starting Therapy | Completed Treatment <= 12 months |       | Cases Starting Therapy | Completed Treatment <= 12 months |       | Cases Starting Therapy | Completed Treatment <= 12 months |       | Cases Starting Therapy | Completed Treatment <= 12 months |       | Cases Starting Therapy | Completed Treatment <= 12 months |       | Cases Starting Therapy | Completed Treatment <= 12 months |       |
|                        |                        | No.                              | %     |
| San Benito             | .                      | .                                | .     | 1                      | 1                                | 100.0 | .                      | .                                | .     | 1                      | .                                | .     | 3                      | 3                                | 100.0 | .                      | .                                | .     |
| San Bernardino         | 47                     | 38                               | 80.9  | 66                     | 59                               | 89.4  | 69                     | 62                               | 89.9  | 54                     | 48                               | 88.9  | 44                     | 40                               | 90.9  | 45                     | 39                               | 86.7  |
| San Diego              | 229                    | 179                              | 78.2  | 219                    | 172                              | 78.5  | 185                    | 156                              | 84.3  | 189                    | 158                              | 83.6  | 222                    | 185                              | 83.3  | 203                    | 169                              | 83.3  |
| San Francisco          | 111                    | 96                               | 86.5  | 91                     | 85                               | 93.4  | 88                     | 78                               | 88.6  | 78                     | 63                               | 80.8  | 93                     | 77                               | 82.8  | 100                    | 81                               | 81.0  |
| San Joaquin            | 38                     | 29                               | 76.3  | 53                     | 45                               | 84.9  | 58                     | 58                               | 100.0 | 36                     | 31                               | 86.1  | 35                     | 30                               | 85.7  | 33                     | 29                               | 87.9  |
| San Luis Obispo        | 3                      | 2                                | 66.7  | 1                      | 1                                | 100.0 | 3                      | 3                                | 100.0 | 4                      | 4                                | 100.0 | 6                      | 5                                | 83.3  | 2                      | 2                                | 100.0 |
| San Mateo              | 69                     | 59                               | 85.5  | 48                     | 38                               | 79.2  | 52                     | 50                               | 96.2  | 53                     | 48                               | 90.6  | 45                     | 35                               | 77.8  | 48                     | 40                               | 83.3  |
| Santa Barbara          | 12                     | 11                               | 91.7  | 31                     | 28                               | 90.3  | 17                     | 14                               | 82.4  | 27                     | 23                               | 85.2  | 18                     | 14                               | 77.8  | 18                     | 15                               | 83.3  |
| Santa Clara            | 199                    | 172                              | 86.4  | 160                    | 137                              | 85.6  | 166                    | 141                              | 84.9  | 164                    | 144                              | 87.8  | 158                    | 129                              | 81.6  | 151                    | 124                              | 82.1  |
| Santa Cruz             | 10                     | 7                                | 70.0  | 9                      | 9                                | 100.0 | 3                      | 3                                | 100.0 | 9                      | 8                                | 88.9  | 9                      | 8                                | 88.9  | 7                      | 6                                | 85.7  |
| Shasta                 | 4                      | 4                                | 100.0 | 1                      | 1                                | 100.0 | 1                      | 1                                | 100.0 | 2                      | 2                                | 100.0 | .                      | .                                | .     | .                      | .                                | .     |
| Solano                 | 31                     | 23                               | 74.2  | 29                     | 26                               | 89.7  | 20                     | 18                               | 90.0  | 18                     | 17                               | 94.4  | 30                     | 26                               | 86.7  | 14                     | 13                               | 92.9  |
| Sonoma                 | 11                     | 10                               | 90.9  | 6                      | 5                                | 83.3  | 9                      | 7                                | 77.8  | 8                      | 8                                | 100.0 | 10                     | 8                                | 80.0  | 14                     | 11                               | 78.6  |
| Stanislaus             | 15                     | 11                               | 73.3  | 19                     | 16                               | 84.2  | 15                     | 13                               | 86.7  | 12                     | 9                                | 75.0  | 8                      | 4                                | 50.0  | 7                      | 4                                | 57.1  |
| Sutter                 | 1                      | 1                                | 100.0 | 6                      | 6                                | 100.0 | 1                      | 1                                | 100.0 | 3                      | 3                                | 100.0 | 4                      | 4                                | 100.0 | 4                      | 2                                | 50.0  |
| Tehama                 | 3                      | .                                | .     | 1                      | .                                | .     | 2                      | 2                                | 100.0 | .                      | .                                | .     | 1                      | 1                                | 100.0 | .                      | .                                | .     |
| Tulare                 | 23                     | 20                               | 87.0  | 27                     | 20                               | 74.1  | 23                     | 17                               | 73.9  | 24                     | 20                               | 83.3  | 16                     | 14                               | 87.5  | 11                     | 10                               | 90.9  |
| Ventura                | 48                     | 46                               | 95.8  | 54                     | 50                               | 92.6  | 39                     | 35                               | 89.7  | 30                     | 28                               | 93.3  | 30                     | 23                               | 76.7  | 33                     | 29                               | 87.9  |
| Yolo                   | 9                      | 9                                | 100.0 | 7                      | 7                                | 100.0 | 9                      | 9                                | 100.0 | 7                      | 7                                | 100.0 | 3                      | 3                                | 100.0 | 3                      | 2                                | 66.7  |
| Yuba                   | 5                      | 5                                | 100.0 | 3                      | 3                                | 100.0 | .                      | .                                | .     | 1                      | 1                                | 100.0 | 1                      | 1                                | 100.0 | 1                      | 1                                | 100.0 |

. Indicates zero cases or zero percent

\* Excludes cases with rifampin resistant disease, cases with meningeal, bone and/or joint, or central nervous system disease cases less than 15 years of age with disseminated tuberculosis disease, and cases that died less than one year after treatment initiation or moved out of country.

California Department of Public Health, Tuberculosis Control Branch



**Table 60. Outcome in Tuberculosis Cases for Whom Greater than One Year of Therapy was Indicated\*: Reporting Jurisdictions in California, 2012**

| Reporting Jurisdiction | Cases Starting Therapy | Completed Treatment <= 12 months |   | Completed Treatment > 12 months |       | Died |   | Lost |   | Refused |   | Adverse Treatment Effect |   | Other/Unknown |       | No Information |      |
|------------------------|------------------------|----------------------------------|---|---------------------------------|-------|------|---|------|---|---------|---|--------------------------|---|---------------|-------|----------------|------|
|                        |                        | No.                              | % | No.                             | %     | No.  | % | No.  | % | No.     | % | No.                      | % | No.           | %     | No.            | %    |
| Pasadena               | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| Placer                 | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| Plumas                 | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| Riverside              | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| Sacramento             | 1                      | .                                | . | 1                               | 100.0 | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| San Benito             | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| San Bernardino         | 1                      | .                                | . | 1                               | 100.0 | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| San Diego              | 2                      | .                                | . | 2                               | 100.0 | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| San Francisco          | 1                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | 1             | 100.0 | .              | .    |
| San Joaquin            | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| San Luis Obispo        | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| San Mateo              | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| Santa Barbara          | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| Santa Clara            | 3                      | .                                | . | 1                               | 33.3  | .    | . | .    | . | .       | . | .                        | . | .             | .     | 2              | 66.7 |
| Santa Cruz             | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| Shasta                 | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| Sierra                 | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| Siskiyou               | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| Solano                 | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| Sonoma                 | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| Stanislaus             | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| Sutter                 | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| Tehama                 | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| Trinity                | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| Tulare                 | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| Tuolumne               | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| Ventura                | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| Yolo                   | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |
| Yuba                   | .                      | .                                | . | .                               | .     | .    | . | .    | . | .       | . | .                        | . | .             | .     | .              | .    |

. Indicates zero cases or zero percent

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

California Department of Public Health, Tuberculosis Control Branch

**Table 61. Reason Therapy Was Extended Beyond 12 Months\*: Reporting Jurisdictions in California, 2012**

| Reporting Jurisdiction | Cases Starting Therapy | Total Cases with Therapy Extended**† | Rifampin Resistant |      | Adverse Treatment Event |       | Non-adherence |      | Failure |     | Clinically Indicated |       | Other |       |
|------------------------|------------------------|--------------------------------------|--------------------|------|-------------------------|-------|---------------|------|---------|-----|----------------------|-------|-------|-------|
|                        |                        |                                      | No.                | %    | No.                     | %     | No.           | %    | No.     | %   | No.                  | %     | No.   | %     |
| California             | 2131                   | 203                                  | 9                  | 4.4  | 54                      | 26.6  | 23            | 11.3 | 1       | 0.5 | 108                  | 53.2  | 50    | 24.6  |
| Alameda                | 133                    | 12                                   | .                  | .    | 4                       | 33.3  | 2             | 16.7 | .       | .   | 2                    | 16.7  | 6     | 50.0  |
| Alpine                 | .                      | .                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| Amador                 | 1                      | .                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| Berkeley               | 6                      | .                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| Butte                  | 4                      | 1                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| Calaveras              | 1                      | .                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| Colusa                 | 2                      | .                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| Contra Costa           | 54                     | 4                                    | .                  | .    | 1                       | 25.0  | .             | .    | .       | .   | .                    | .     | 2     | 50.0  |
| Del Norte              | .                      | .                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| El Dorado              | 2                      | .                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| Fresno                 | 33                     | 1                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | 1                    | 100.0 | 1     | 100.0 |
| Glenn                  | 3                      | .                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| Humboldt               | 5                      | 1                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | 1                    | 100.0 | .     | .     |
| Imperial               | 28                     | 1                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | 1     | 100.0 |
| Inyo                   | .                      | .                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| Kern                   | 34                     | 6                                    | .                  | .    | 1                       | 16.7  | 1             | 16.7 | .       | .   | 4                    | 66.7  | .     | .     |
| Kings                  | 5                      | 2                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | 1                    | 50.0  | 1     | 50.0  |
| Lake                   | 2                      | .                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| Lassen                 | 2                      | .                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| Long Beach             | 34                     | 2                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | 1                    | 50.0  | .     | .     |
| Los Angeles            | 603                    | 42                                   | 3                  | 7.1  | 6                       | 14.3  | 7             | 16.7 | .       | .   | 15                   | 35.7  | 16    | 38.1  |
| Madera                 | 10                     | 2                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | 1                    | 50.0  | .     | .     |
| Marin                  | 14                     | 2                                    | .                  | .    | 2                       | 100.0 | .             | .    | .       | .   | 1                    | 50.0  | 1     | 50.0  |
| Mariposa               | .                      | .                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| Mendocino              | 2                      | .                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| Merced                 | 19                     | 1                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | 1     | 100.0 |
| Modoc                  | .                      | .                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| Mono                   | .                      | .                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| Monterey               | 18                     | 3                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | 3                    | 100.0 | .     | .     |
| Napa                   | 3                      | .                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| Nevada                 | 1                      | .                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| Orange                 | 186                    | 15                                   | 1                  | 6.7  | 6                       | 40.0  | .             | .    | .       | .   | 5                    | 33.3  | 5     | 33.3  |
| Pasadena               | 10                     | 1                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | 1     | 100.0 |
| Placer                 | 6                      | 2                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | 2                    | 100.0 | .     | .     |
| Plumas                 | .                      | .                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| Riverside              | 56                     | 4                                    | .                  | .    | 2                       | 50.0  | 1             | 25.0 | .       | .   | 3                    | 75.0  | .     | .     |
| Sacramento             | 62                     | 4                                    | 1                  | 25.0 | .                       | .     | 1             | 25.0 | .       | .   | 3                    | 75.0  | .     | .     |
| San Benito             | .                      | .                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| San Bernardino         | 54                     | 3                                    | 1                  | 33.3 | .                       | .     | 1             | 33.3 | .       | .   | 1                    | 33.3  | .     | .     |
| San Diego              | 232                    | 26                                   | 2                  | 7.7  | 9                       | 34.6  | 3             | 11.5 | .       | .   | 17                   | 65.4  | 2     | 7.7   |
| San Francisco          | 112                    | 20                                   | .                  | .    | 10                      | 50.0  | 2             | 10.0 | .       | .   | 20                   | 100.0 | 1     | 5.0   |
| San Joaquin            | 44                     | 5                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | 5                    | 100.0 | 2     | 40.0  |
| San Luis Obispo        | 2                      | .                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | .                    | .     | .     | .     |
| San Mateo              | 54                     | 7                                    | .                  | .    | 3                       | 42.9  | 1             | 14.3 | .       | .   | 2                    | 28.6  | 2     | 28.6  |
| Santa Barbara          | 24                     | 3                                    | .                  | .    | .                       | .     | .             | .    | .       | .   | 3                    | 100.0 | .     | .     |
| Santa Clara            | 170                    | 25                                   | 1                  | 4.0  | 7                       | 28.0  | 3             | 12.0 | .       | .   | 12                   | 48.0  | 7     | 28.0  |

**Table 61. Reason Therapy Was Extended Beyond 12 Months\*: Reporting Jurisdictions in California, 2012**

| Reporting Jurisdiction | Cases Starting Therapy | Total Cases with Therapy Extended**† | Rifampin Resistant |   | Adverse Treatment Event |       | Non-adherence |      | Failure |      | Clinically Indicated |       | Other |      |
|------------------------|------------------------|--------------------------------------|--------------------|---|-------------------------|-------|---------------|------|---------|------|----------------------|-------|-------|------|
|                        |                        |                                      | No.                | % | No.                     | %     | No.           | %    | No.     | %    | No.                  | %     | No.   | %    |
| Santa Cruz             | 7                      | .                                    | .                  | . | .                       | .     | .             | .    | .       | .    | .                    | .     | .     | .    |
| Shasta                 | 1                      | .                                    | .                  | . | .                       | .     | .             | .    | .       | .    | .                    | .     | .     | .    |
| Sierra                 | .                      | .                                    | .                  | . | .                       | .     | .             | .    | .       | .    | .                    | .     | .     | .    |
| Siskiyou               | .                      | .                                    | .                  | . | .                       | .     | .             | .    | .       | .    | .                    | .     | .     | .    |
| Solano                 | 15                     | .                                    | .                  | . | .                       | .     | .             | .    | .       | .    | .                    | .     | .     | .    |
| Sonoma                 | 14                     | .                                    | .                  | . | .                       | .     | .             | .    | .       | .    | .                    | .     | .     | .    |
| Stanislaus             | 7                      | 2                                    | .                  | . | .                       | .     | .             | .    | .       | .    | 2                    | 100.0 | .     | .    |
| Sutter                 | 5                      | 1                                    | .                  | . | 2                       | 200.0 | .             | .    | .       | .    | 1                    | 100.0 | .     | .    |
| Tehama                 | .                      | .                                    | .                  | . | .                       | .     | .             | .    | .       | .    | .                    | .     | .     | .    |
| Trinity                | .                      | .                                    | .                  | . | .                       | .     | .             | .    | .       | .    | .                    | .     | .     | .    |
| Tulare                 | 12                     | .                                    | .                  | . | .                       | .     | .             | .    | .       | .    | .                    | .     | .     | .    |
| Tuolumne               | .                      | .                                    | .                  | . | .                       | .     | .             | .    | .       | .    | .                    | .     | .     | .    |
| Ventura                | 34                     | 5                                    | .                  | . | 1                       | 20.0  | 1             | 20.0 | 1       | 20.0 | 2                    | 40.0  | 1     | 20.0 |
| Yolo                   | 3                      | .                                    | .                  | . | .                       | .     | .             | .    | .       | .    | .                    | .     | .     | .    |
| Yuba                   | 2                      | .                                    | .                  | . | .                       | .     | .             | .    | .       | .    | .                    | .     | .     | .    |

. Indicates zero cases or zero percent

\* Among patients who were alive at diagnosis, started treatment and had a duration of treatment greater than 365 days.

† Patient may have more than 1 reason therapy was extended beyond 12 months (total reasons therapy extended may be greater than total patients with therapy extended).

California Department of Public Health, Tuberculosis Control Branch

**Table 62. Tuberculosis Cases by Outcome of Therapy and Risk Factor for Tuberculosis: California, 2012**

|                                      | Cases Starting Therapy | Completed Treatment <= 12 months |      | Completed Treatment > 12 months |      | Died |      | Lost |      | Refused |     | Adverse Treatment Effect |     | Other/Unknown |       | No Information |      |
|--------------------------------------|------------------------|----------------------------------|------|---------------------------------|------|------|------|------|------|---------|-----|--------------------------|-----|---------------|-------|----------------|------|
|                                      |                        | No.                              | %    | No.                             | %    | No.  | %    | No.  | %    | No.     | %   | No.                      | %   | No.           | %     | No.            | %    |
| California                           | 2131                   | 1619                             | 76.0 | 203                             | 9.5  | 166  | 7.8  | 18   | 0.8  | 15      | 0.7 | 7                        | 0.3 | 80            | 3.8   | 23             | 1.1  |
| AIDS                                 |                        |                                  |      |                                 |      |      |      |      |      |         |     |                          |     |               |       |                |      |
| No                                   | 2049                   | 1577                             | 77.0 | 181                             | 8.8  | 158  | 7.7  | 17   | 0.8  | 15      | 0.7 | 7                        | 0.3 | 71            | 3.5   | 23             | 1.1  |
| Yes                                  | 82                     | 42                               | 51.2 | 22                              | 26.8 | 8    | 9.8  | 1    | 1.2  | .       | .   | .                        | .   | 9             | 11.0  | .              | .    |
| Diagnosed in Correctional Facility   |                        |                                  |      |                                 |      |      |      |      |      |         |     |                          |     |               |       |                |      |
| No                                   | 2068                   | 1576                             | 76.2 | 203                             | 9.8  | 164  | 7.9  | 16   | 0.8  | 15      | 0.7 | 7                        | 0.3 | 69            | 3.3   | 18             | 0.9  |
| Yes                                  | 58                     | 41                               | 70.7 | .                               | .    | 2    | 3.4  | 2    | 3.4  | .       | .   | .                        | .   | 10            | 17.2  | 3              | 5.2  |
| Federal Prison                       | 24                     | 18                               | 75.0 | .                               | .    | .    | .    | 1    | 4.2  | .       | .   | .                        | .   | 3             | 12.5  | 2              | 8.3  |
| State Prison                         | 4                      | 3                                | 75.0 | .                               | .    | .    | .    | .    | .    | .       | .   | .                        | .   | .             | .     | 1              | 25.0 |
| Local Prison                         | 29                     | 20                               | 69.0 | .                               | .    | 2    | 6.9  | 1    | 3.4  | .       | .   | .                        | .   | 6             | 20.7  | .              | .    |
| Other/Unknown Prison                 | 1                      | .                                | .    | .                               | .    | .    | .    | .    | .    | .       | .   | .                        | .   | 1             | 100.0 | .              | .    |
| Unknown                              | 5                      | 2                                | 40.0 | .                               | .    | .    | .    | .    | .    | .       | .   | .                        | .   | 1             | 20.0  | 2              | 40.0 |
| Diagnosed in Long-term Care Facility |                        |                                  |      |                                 |      |      |      |      |      |         |     |                          |     |               |       |                |      |
| No                                   | 2085                   | 1594                             | 76.5 | 201                             | 9.6  | 149  | 7.1  | 18   | 0.9  | 15      | 0.7 | 7                        | 0.3 | 79            | 3.8   | 22             | 1.1  |
| Yes                                  | 43                     | 23                               | 53.5 | 2                               | 4.7  | 17   | 39.5 | .    | .    | .       | .   | .                        | .   | 1             | 2.3   | .              | .    |
| Unknown                              | 3                      | 2                                | 66.7 | .                               | .    | .    | .    | .    | .    | .       | .   | .                        | .   | .             | .     | 1              | 33.3 |
| Excess Alcohol Use                   |                        |                                  |      |                                 |      |      |      |      |      |         |     |                          |     |               |       |                |      |
| No                                   | 1912                   | 1471                             | 76.9 | 176                             | 9.2  | 148  | 7.7  | 14   | 0.7  | 15      | 0.8 | 6                        | 0.3 | 68            | 3.6   | 14             | 0.7  |
| Yes                                  | 194                    | 139                              | 71.6 | 25                              | 12.9 | 11   | 5.7  | 3    | 1.5  | .       | .   | 1                        | 0.5 | 9             | 4.6   | 6              | 3.1  |
| Unknown                              | 25                     | 9                                | 36.0 | 2                               | 8.0  | 7    | 28.0 | 1    | 4.0  | .       | .   | .                        | .   | 3             | 12.0  | 3              | 12.0 |
| Homeless                             |                        |                                  |      |                                 |      |      |      |      |      |         |     |                          |     |               |       |                |      |
| No                                   | 1996                   | 1524                             | 76.4 | 190                             | 9.5  | 156  | 7.8  | 15   | 0.8  | 15      | 0.8 | 5                        | 0.3 | 72            | 3.6   | 19             | 1.0  |
| Yes                                  | 127                    | 90                               | 70.9 | 13                              | 10.2 | 10   | 7.9  | 2    | 1.6  | .       | .   | 2                        | 1.6 | 8             | 6.3   | 2              | 1.6  |
| Unknown                              | 8                      | 5                                | 62.5 | .                               | .    | .    | .    | 1    | 12.5 | .       | .   | .                        | .   | .             | .     | 2              | 25.0 |
| Injecting Drug Use                   |                        |                                  |      |                                 |      |      |      |      |      |         |     |                          |     |               |       |                |      |
| No                                   | 2069                   | 1580                             | 76.4 | 198                             | 9.6  | 160  | 7.7  | 16   | 0.8  | 15      | 0.7 | 7                        | 0.3 | 75            | 3.6   | 18             | 0.9  |
| Yes                                  | 40                     | 31                               | 77.5 | 2                               | 5.0  | 2    | 5.0  | 1    | 2.5  | .       | .   | .                        | .   | 2             | 5.0   | 2              | 5.0  |
| Unknown                              | 22                     | 8                                | 36.4 | 3                               | 13.6 | 4    | 18.2 | 1    | 4.5  | .       | .   | .                        | .   | 3             | 13.6  | 3              | 13.6 |
| Non-injecting Drug Use               |                        |                                  |      |                                 |      |      |      |      |      |         |     |                          |     |               |       |                |      |
| No                                   | 1986                   | 1519                             | 76.5 | 186                             | 9.4  | 159  | 8.0  | 15   | 0.8  | 15      | 0.8 | 7                        | 0.4 | 71            | 3.6   | 14             | 0.7  |
| Yes                                  | 119                    | 90                               | 75.6 | 15                              | 12.6 | 2    | 1.7  | 2    | 1.7  | .       | .   | .                        | .   | 6             | 5.0   | 4              | 3.4  |
| Unknown                              | 26                     | 10                               | 38.5 | 2                               | 7.7  | 5    | 19.2 | 1    | 3.8  | .       | .   | .                        | .   | 3             | 11.5  | 5              | 19.2 |

. Indicates zero cases or zero percent

California Department of Public Health, Tuberculosis Control Branch

**Table 63. Outcome in Tuberculosis Cases for Whom One Year or Less of Therapy was indicated\*, by Risk Factor for Tuberculosis: Reporting Jurisdictions in California, 2012**

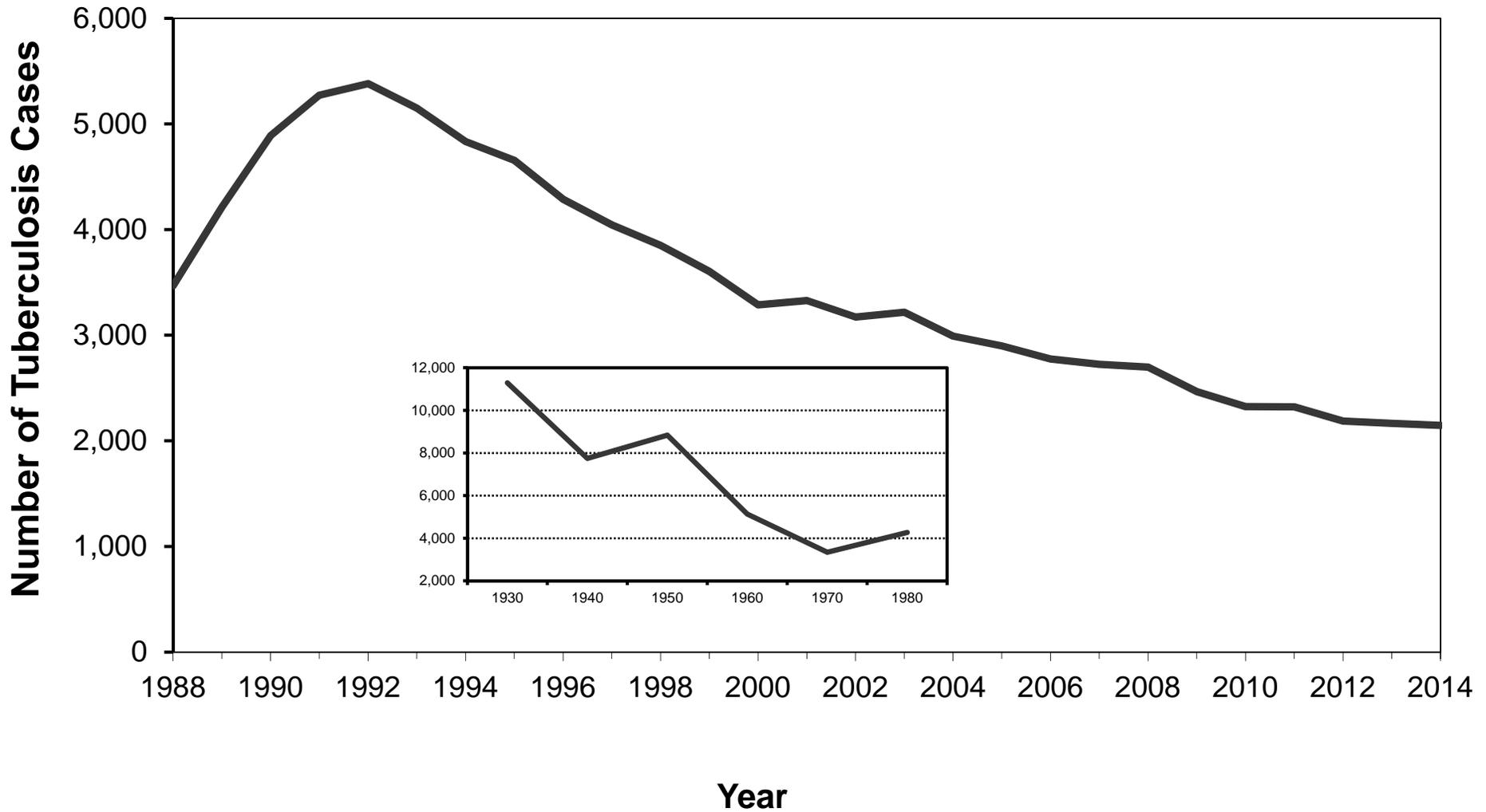
|                                      | Cases Starting Therapy | Completed Treatment <= 12 months |      | Completed Treatment > 12 months |      | Died |      | Lost |      | Refused |     | Adverse Treatment Effect |     | Other/Unknown |       | No Information |      |
|--------------------------------------|------------------------|----------------------------------|------|---------------------------------|------|------|------|------|------|---------|-----|--------------------------|-----|---------------|-------|----------------|------|
|                                      |                        | No.                              | %    | No.                             | %    | No.  | %    | No.  | %    | No.     | %   | No.                      | %   | No.           | %     | No.            | %    |
| California                           | 2114                   | 1619                             | 76.6 | 194                             | 9.2  | 166  | 7.9  | 17   | 0.8  | 15      | 0.7 | 7                        | 0.3 | 77            | 3.6   | 19             | 0.9  |
| AIDS                                 |                        |                                  |      |                                 |      |      |      |      |      |         |     |                          |     |               |       |                |      |
| No                                   | 2032                   | 1577                             | 77.6 | 172                             | 8.5  | 158  | 7.8  | 16   | 0.8  | 15      | 0.7 | 7                        | 0.3 | 68            | 3.3   | 19             | 0.9  |
| Yes                                  | 82                     | 42                               | 51.2 | 22                              | 26.8 | 8    | 9.8  | 1    | 1.2  | .       | .   | .                        | .   | 9             | 11.0  | .              | .    |
| Diagnosed in Correctional Facility   |                        |                                  |      |                                 |      |      |      |      |      |         |     |                          |     |               |       |                |      |
| No                                   | 2051                   | 1576                             | 76.8 | 194                             | 9.5  | 164  | 8.0  | 15   | 0.7  | 15      | 0.7 | 7                        | 0.3 | 66            | 3.2   | 14             | 0.7  |
| Yes                                  | 58                     | 41                               | 70.7 | .                               | .    | 2    | 3.4  | 2    | 3.4  | .       | .   | .                        | .   | 10            | 17.2  | 3              | 5.2  |
| Federal Prison                       | 24                     | 18                               | 75.0 | .                               | .    | .    | .    | 1    | 4.2  | .       | .   | .                        | .   | 3             | 12.5  | 2              | 8.3  |
| State Prison                         | 4                      | 3                                | 75.0 | .                               | .    | .    | .    | .    | .    | .       | .   | .                        | .   | .             | .     | 1              | 25.0 |
| Local Prison                         | 29                     | 20                               | 69.0 | .                               | .    | 2    | 6.9  | 1    | 3.4  | .       | .   | .                        | .   | 6             | 20.7  | .              | .    |
| Other/Unknown Prison                 | 1                      | .                                | .    | .                               | .    | .    | .    | .    | .    | .       | .   | .                        | .   | 1             | 100.0 | .              | .    |
| Unknown                              | 5                      | 2                                | 40.0 | .                               | .    | .    | .    | .    | .    | .       | .   | .                        | .   | 1             | 20.0  | 2              | 40.0 |
| Diagnosed in Long-term Care Facility |                        |                                  |      |                                 |      |      |      |      |      |         |     |                          |     |               |       |                |      |
| No                                   | 2068                   | 1594                             | 77.1 | 192                             | 9.3  | 149  | 7.2  | 17   | 0.8  | 15      | 0.7 | 7                        | 0.3 | 76            | 3.7   | 18             | 0.9  |
| Yes                                  | 43                     | 23                               | 53.5 | 2                               | 4.7  | 17   | 39.5 | .    | .    | .       | .   | .                        | .   | 1             | 2.3   | .              | .    |
| Unknown                              | 3                      | 2                                | 66.7 | .                               | .    | .    | .    | .    | .    | .       | .   | .                        | .   | .             | .     | 1              | 33.3 |
| Excess Alcohol Use                   |                        |                                  |      |                                 |      |      |      |      |      |         |     |                          |     |               |       |                |      |
| No                                   | 1897                   | 1471                             | 77.5 | 168                             | 8.9  | 148  | 7.8  | 13   | 0.7  | 15      | 0.8 | 6                        | 0.3 | 65            | 3.4   | 11             | 0.6  |
| Yes                                  | 192                    | 139                              | 72.4 | 24                              | 12.5 | 11   | 5.7  | 3    | 1.6  | .       | .   | 1                        | 0.5 | 9             | 4.7   | 5              | 2.6  |
| Unknown                              | 25                     | 9                                | 36.0 | 2                               | 8.0  | 7    | 28.0 | 1    | 4.0  | .       | .   | .                        | .   | 3             | 12.0  | 3              | 12.0 |
| Homeless                             |                        |                                  |      |                                 |      |      |      |      |      |         |     |                          |     |               |       |                |      |
| No                                   | 1979                   | 1524                             | 77.0 | 181                             | 9.1  | 156  | 7.9  | 14   | 0.7  | 15      | 0.8 | 5                        | 0.3 | 69            | 3.5   | 15             | 0.8  |
| Yes                                  | 127                    | 90                               | 70.9 | 13                              | 10.2 | 10   | 7.9  | 2    | 1.6  | .       | .   | 2                        | 1.6 | 8             | 6.3   | 2              | 1.6  |
| Unknown                              | 8                      | 5                                | 62.5 | .                               | .    | .    | .    | 1    | 12.5 | .       | .   | .                        | .   | .             | .     | 2              | 25.0 |
| Injecting Drug Use                   |                        |                                  |      |                                 |      |      |      |      |      |         |     |                          |     |               |       |                |      |
| No                                   | 2052                   | 1580                             | 77.0 | 189                             | 9.2  | 160  | 7.8  | 15   | 0.7  | 15      | 0.7 | 7                        | 0.3 | 72            | 3.5   | 14             | 0.7  |
| Yes                                  | 40                     | 31                               | 77.5 | 2                               | 5.0  | 2    | 5.0  | 1    | 2.5  | .       | .   | .                        | .   | 2             | 5.0   | 2              | 5.0  |
| Unknown                              | 22                     | 8                                | 36.4 | 3                               | 13.6 | 4    | 18.2 | 1    | 4.5  | .       | .   | .                        | .   | 3             | 13.6  | 3              | 13.6 |
| Non-injecting Drug Use               |                        |                                  |      |                                 |      |      |      |      |      |         |     |                          |     |               |       |                |      |
| No                                   | 1970                   | 1519                             | 77.1 | 177                             | 9.0  | 159  | 8.1  | 14   | 0.7  | 15      | 0.8 | 7                        | 0.4 | 68            | 3.5   | 11             | 0.6  |
| Yes                                  | 118                    | 90                               | 76.3 | 15                              | 12.7 | 2    | 1.7  | 2    | 1.7  | .       | .   | .                        | .   | 6             | 5.1   | 3              | 2.5  |
| Unknown                              | 26                     | 10                               | 38.5 | 2                               | 7.7  | 5    | 19.2 | 1    | 3.8  | .       | .   | .                        | .   | 3             | 11.5  | 5              | 19.2 |

. Indicates zero cases or zero percent

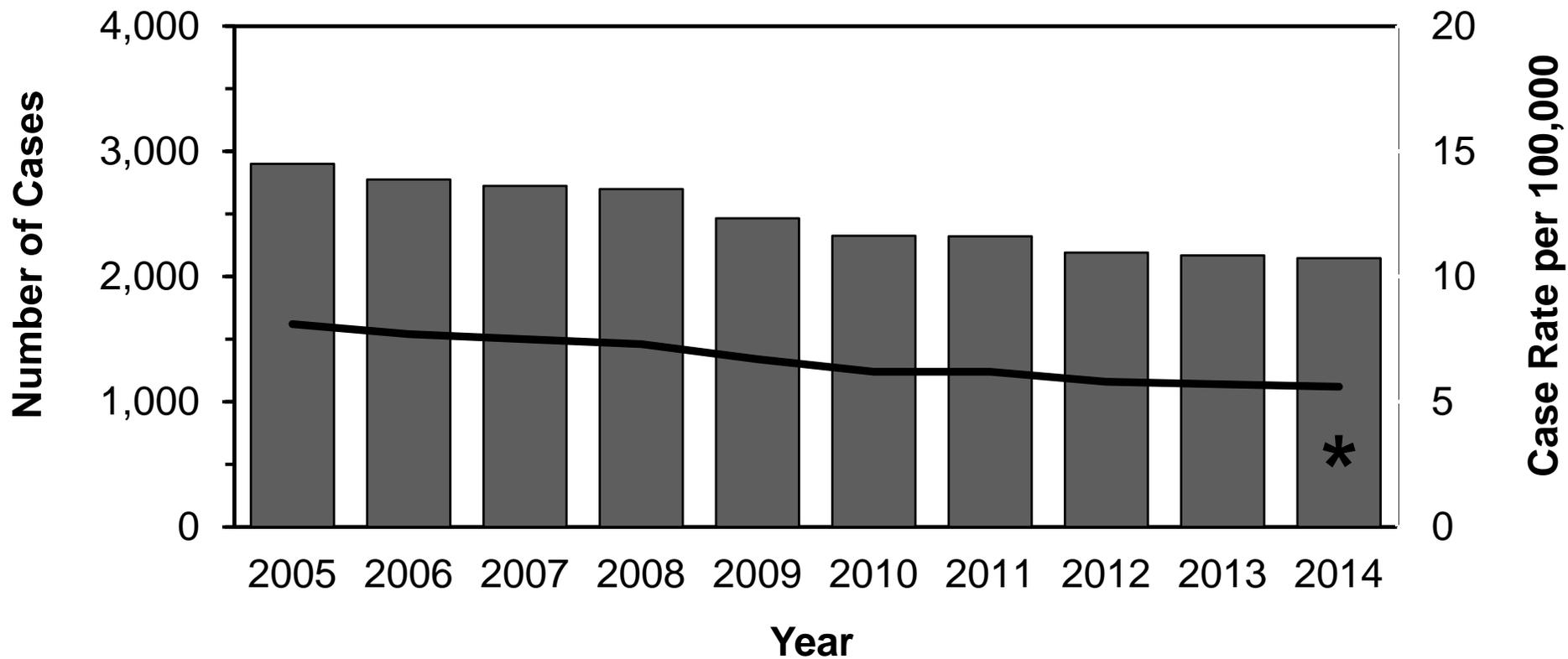
\* Excludes cases with rifampin resistant disease, cases with meningeal disease, and cases less than 15 years of age with disseminated tuberculosis disease

California Department of Public Health, Tuberculosis Control Branch

# Figure 1. Number of Tuberculosis Cases: California, 1930-2014

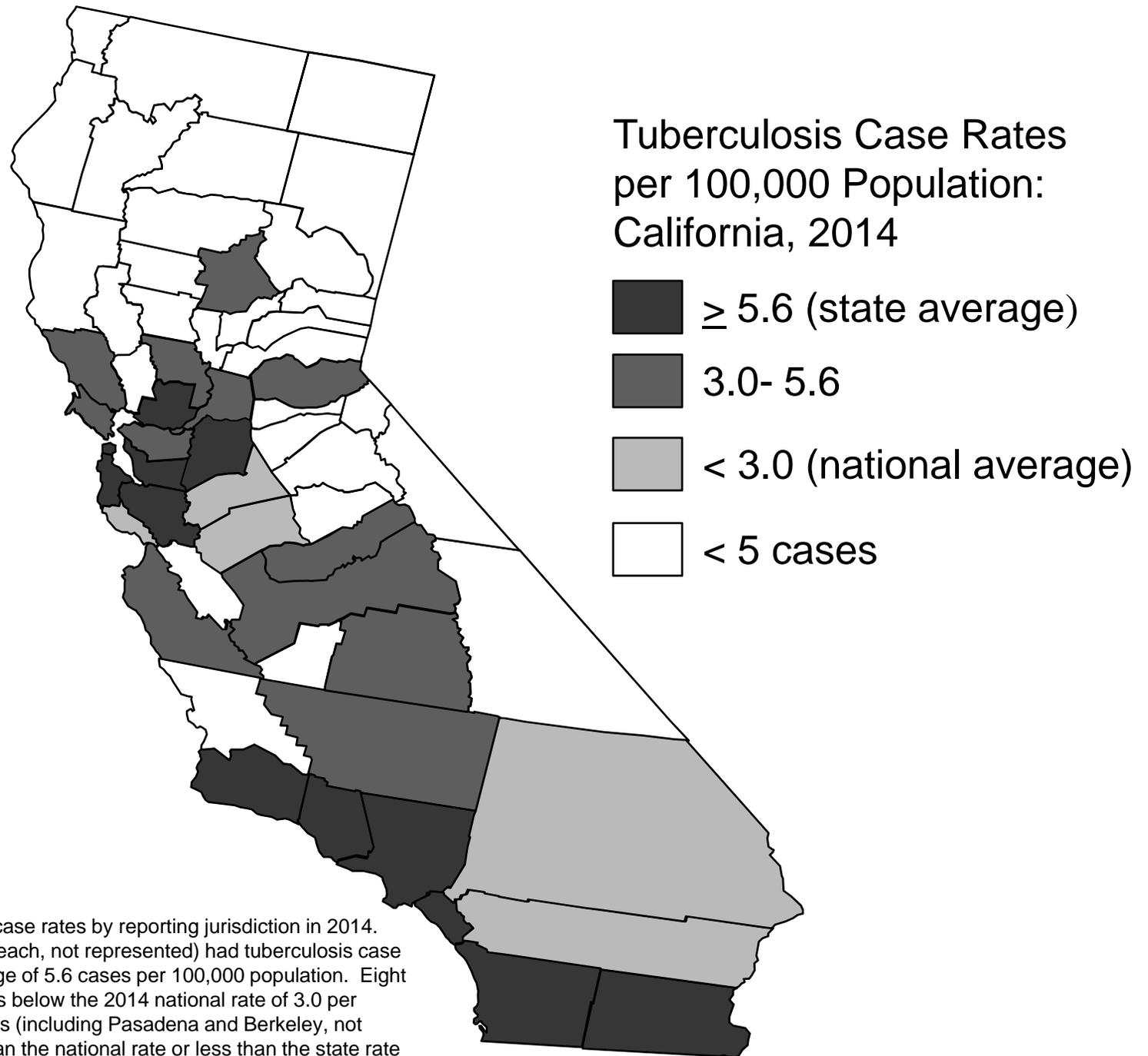


# Figure 2. Number of Tuberculosis Cases and Case Rates: California, 2005-2014



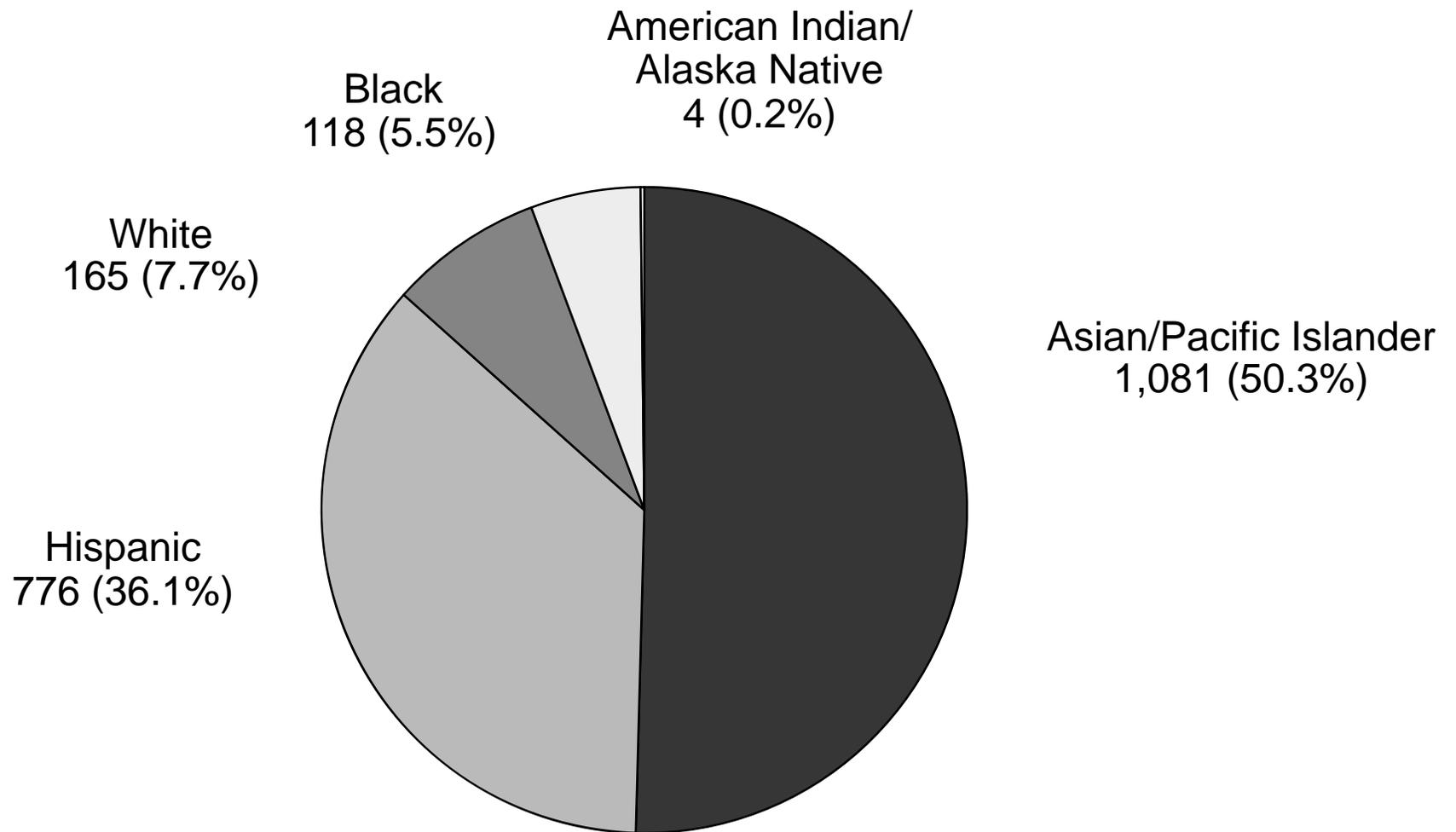
■ Number of Cases  
— Case Rate per 100,000 Population  
\* National Case Rate (3.0 per 100,000)

# Figure 3. Tuberculosis in California, 2014

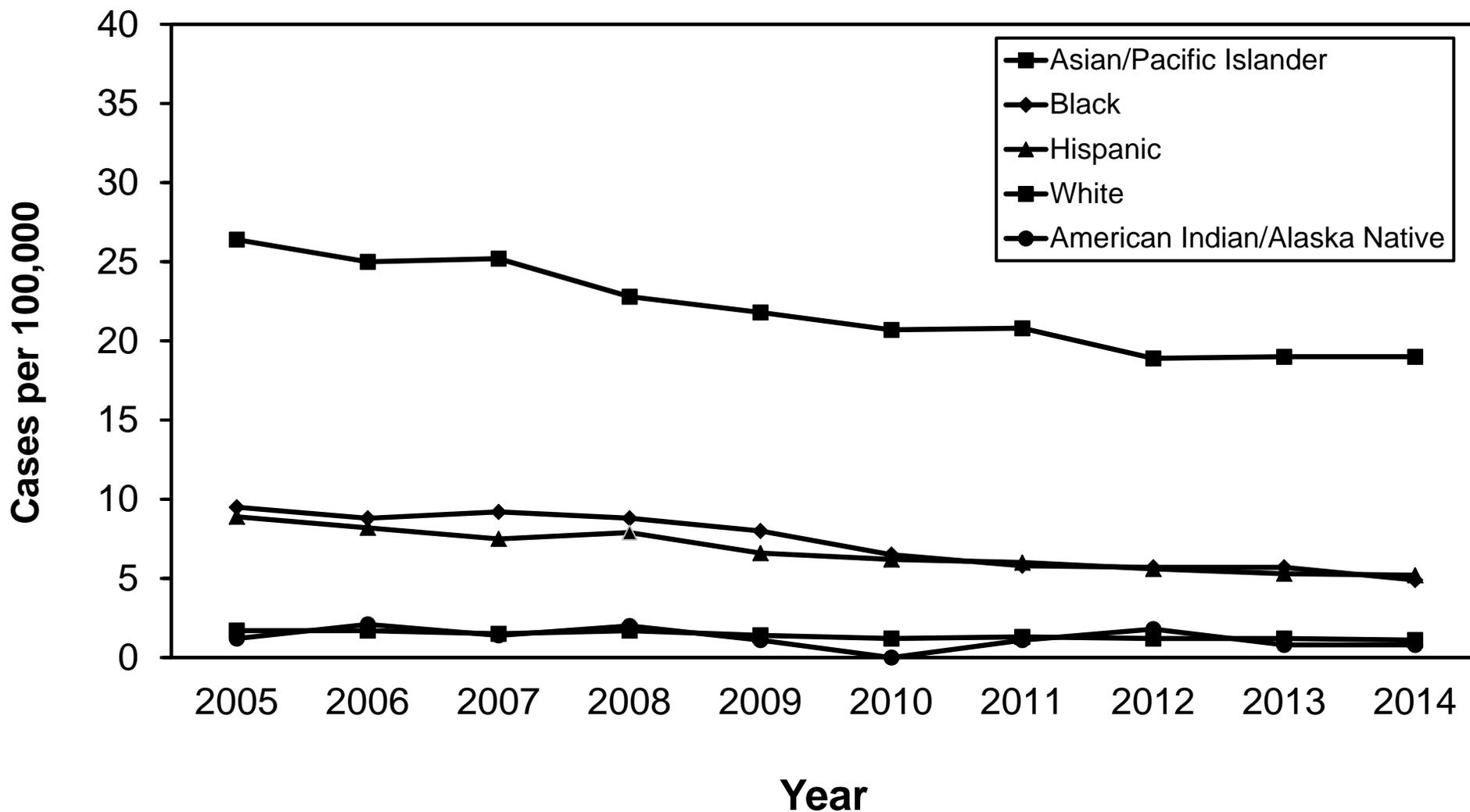


Note: The map illustrates tuberculosis case rates by reporting jurisdiction in 2014. Thirteen jurisdictions (including Long Beach, not represented) had tuberculosis case rates equal to or above the state average of 5.6 cases per 100,000 population. Eight jurisdictions had tuberculosis case rates below the 2014 national rate of 3.0 per 100,000 population. Eleven jurisdictions (including Pasadena and Berkeley, not represented) had case rates greater than the national rate or less than the state rate (3.0 to 5.6 cases per 100,000 population). Case rates were not calculated for 29 jurisdictions because there were fewer than five cases in these areas.

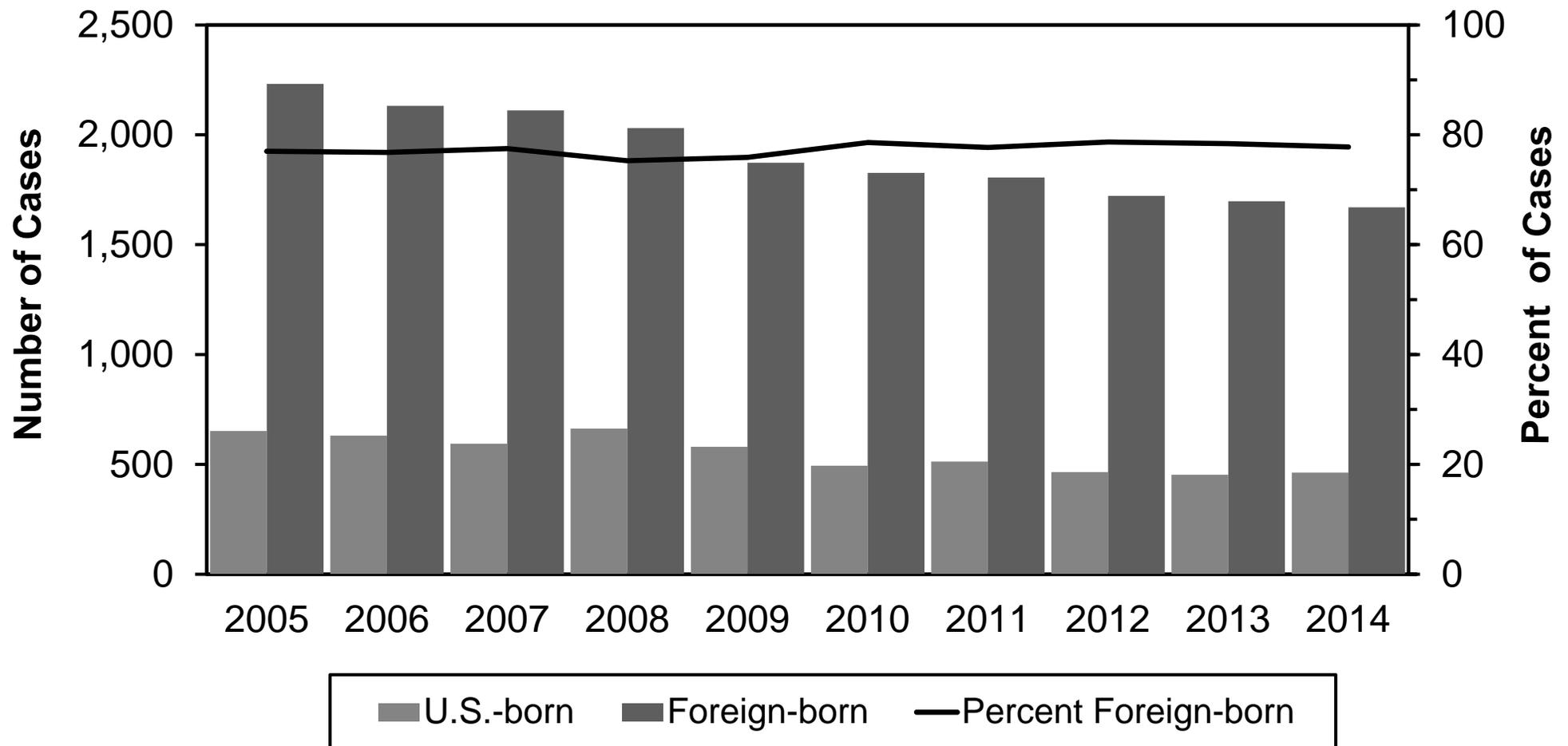
# Figure 4. Tuberculosis Cases by Race/Ethnicity: California, 2014



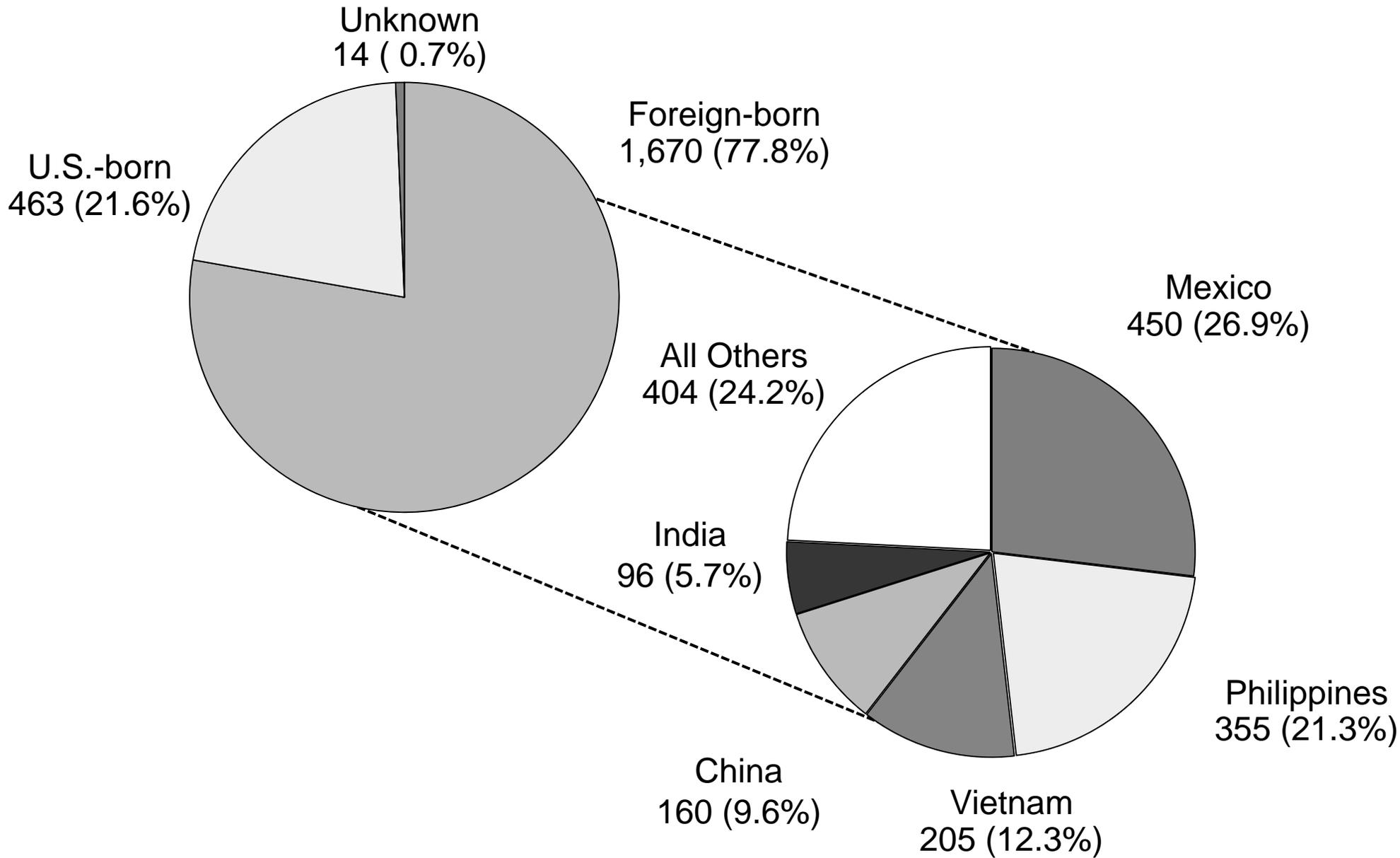
# Figure 5. Tuberculosis Case Rates by Race/Ethnicity: California, 2005-2014



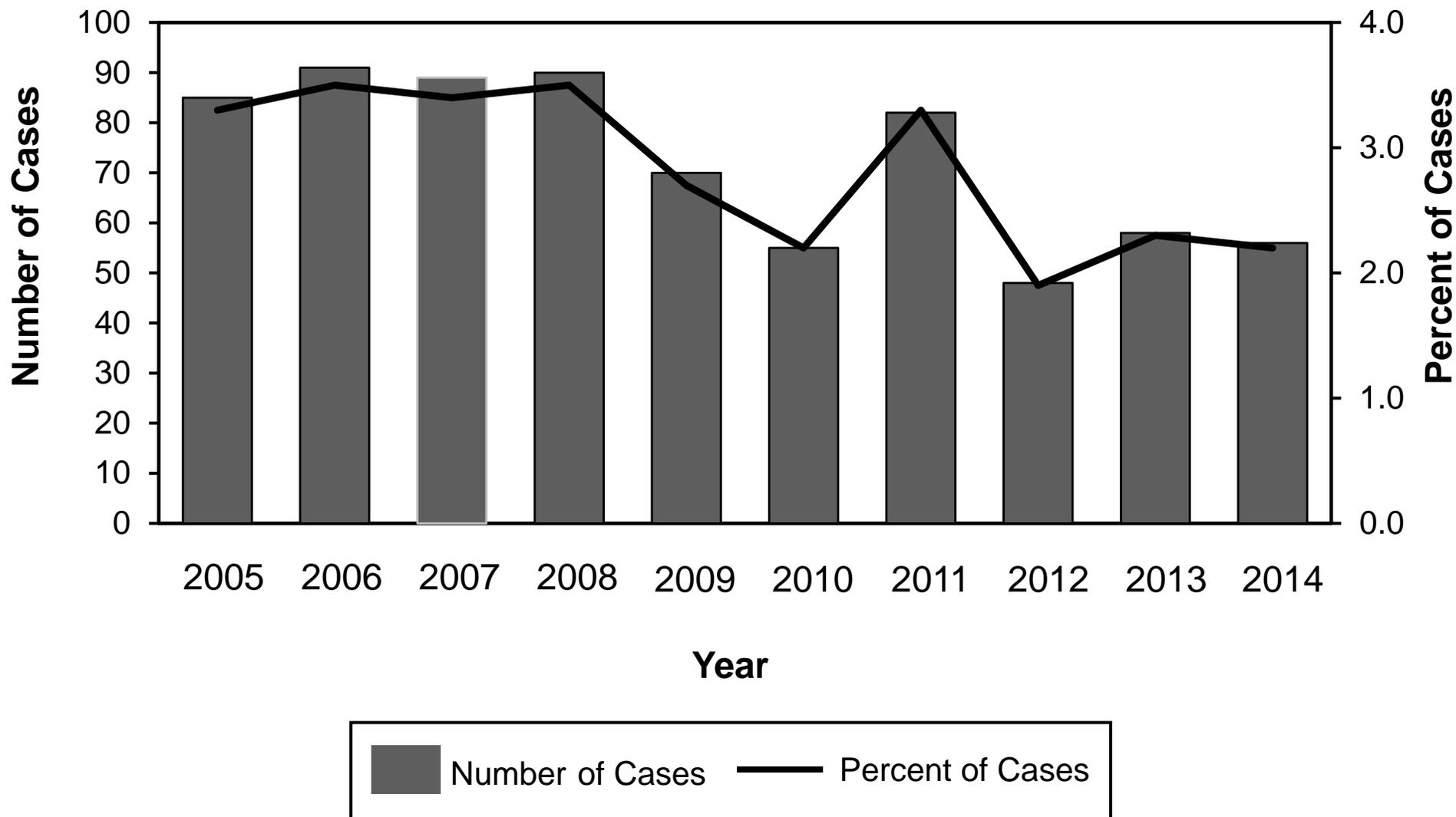
# Figure 6. Tuberculosis Cases in Foreign-born and U.S.-born Persons: California, 2005-2014



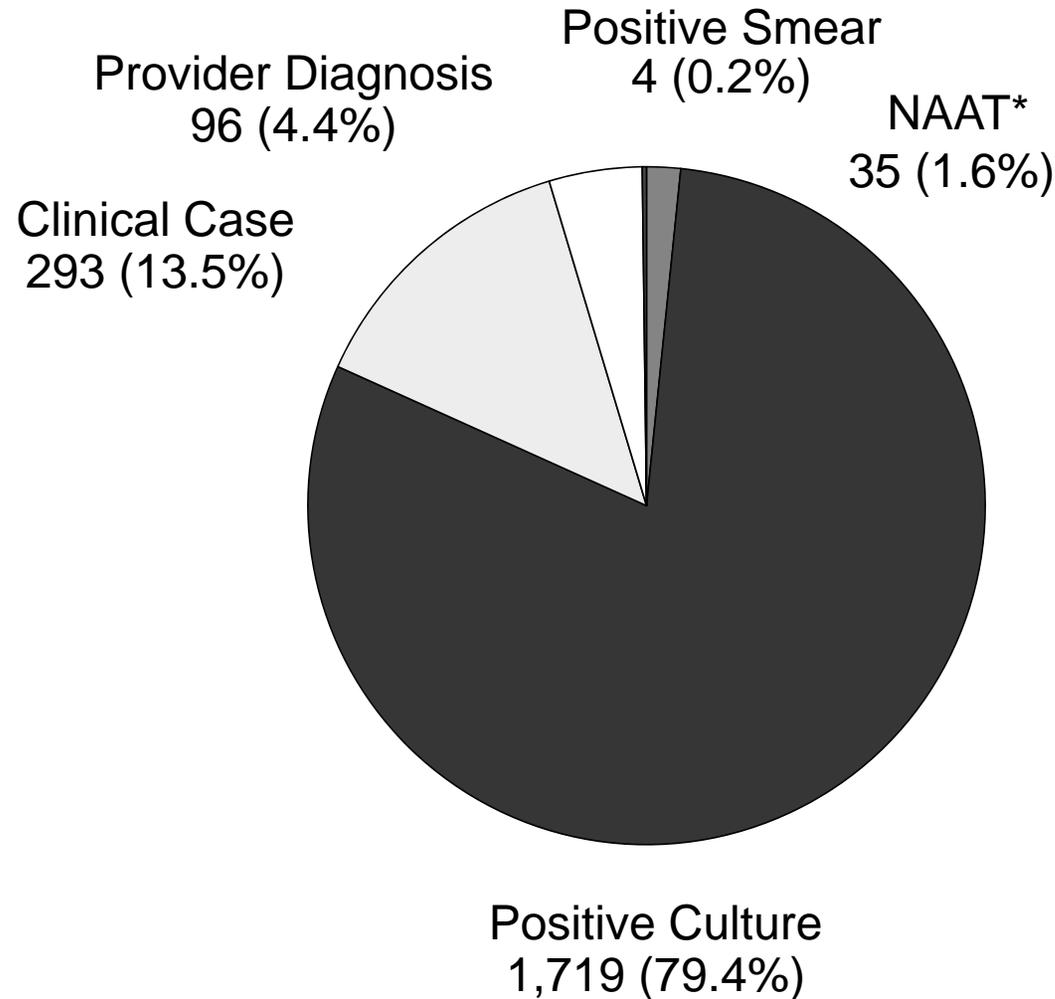
# Figure 7. Tuberculosis Cases by Country of Origin: California, 2014



# Figure 8. Tuberculosis Cases in Persons 0-4 Years of Age: California, 2005-2014

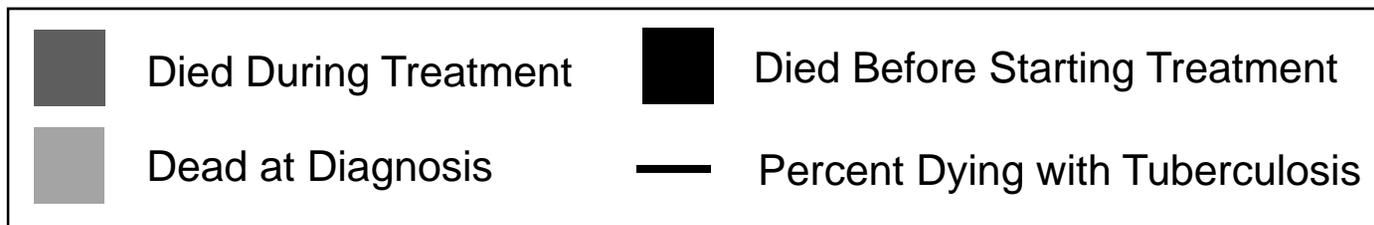
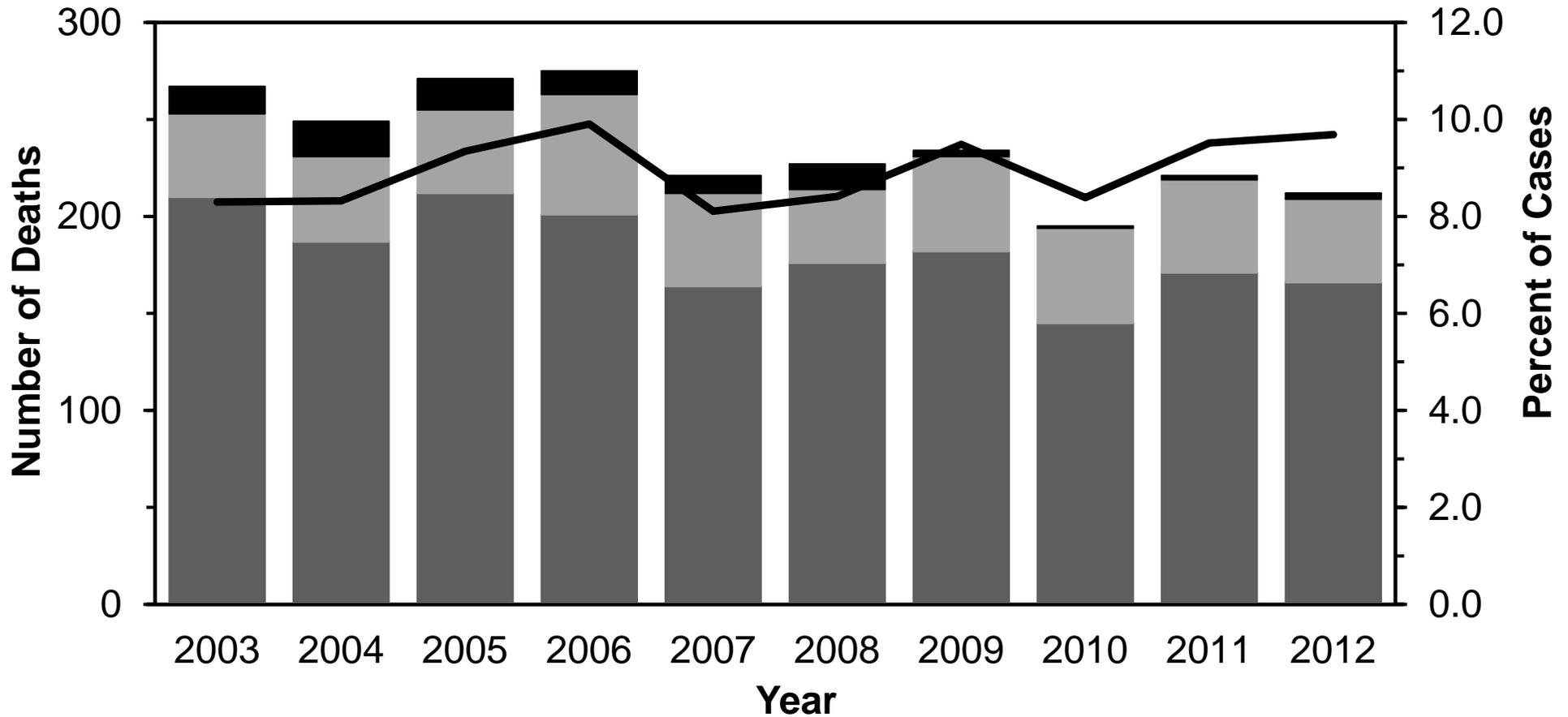


# Figure 9. Tuberculosis Cases by Verification Criteria: California, 2014

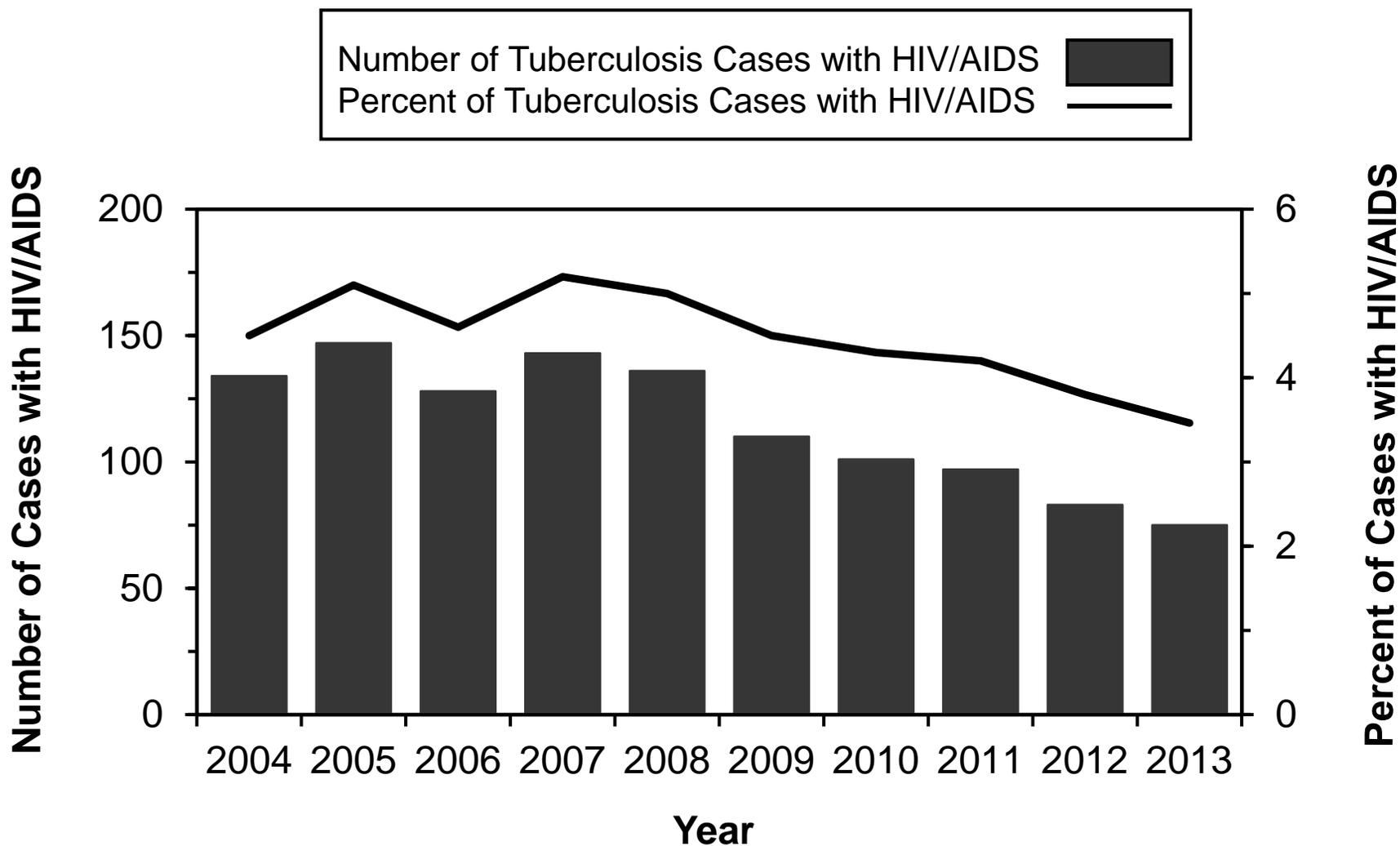


\*NAAT= Nucleic Acid Amplification Test

# Figure 10. Deaths in Persons with Tuberculosis: California, 2003-2012

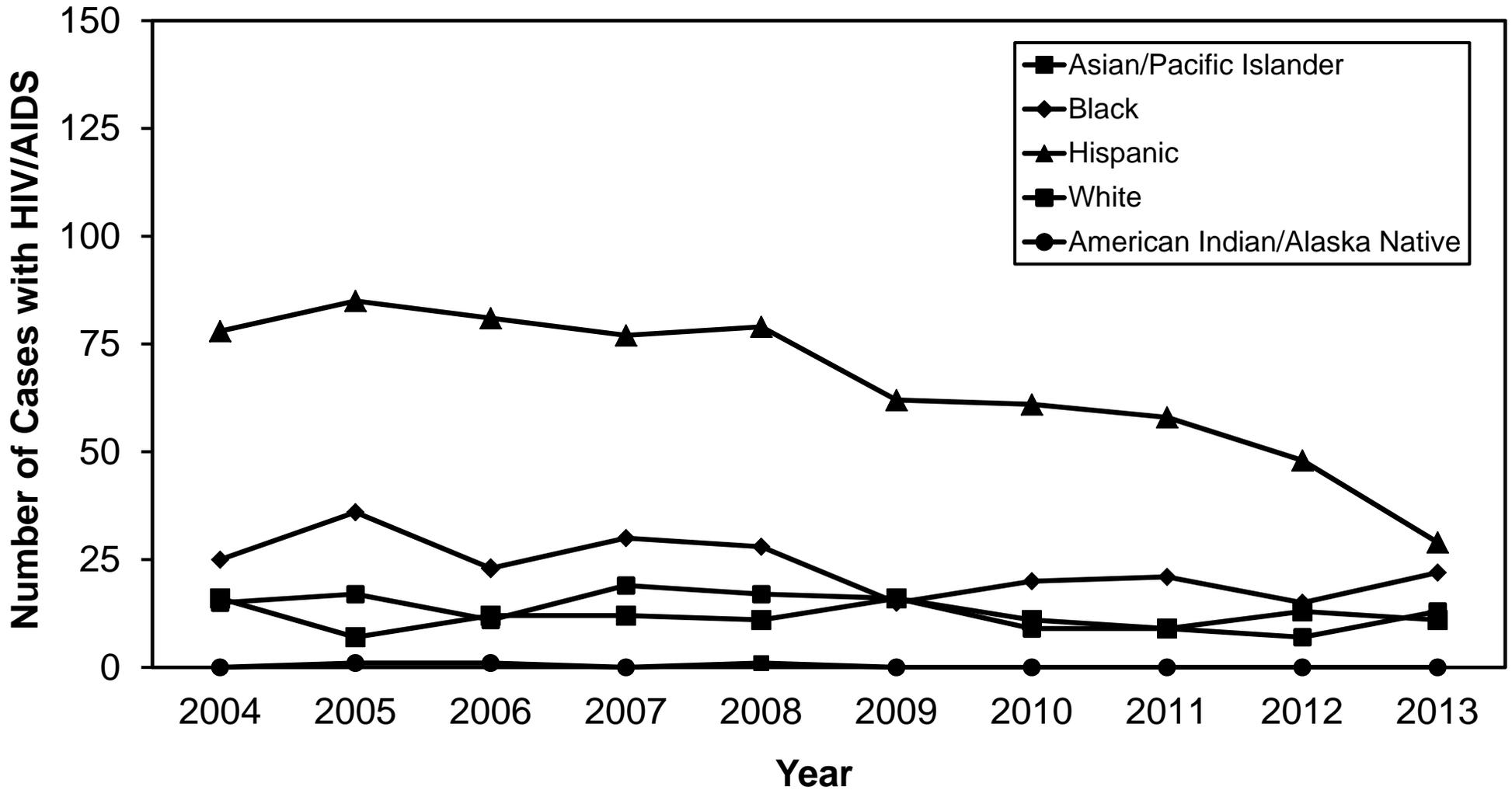


# Figure 11. Tuberculosis Cases by HIV/AIDS Diagnosis\*: California, 2004-2013



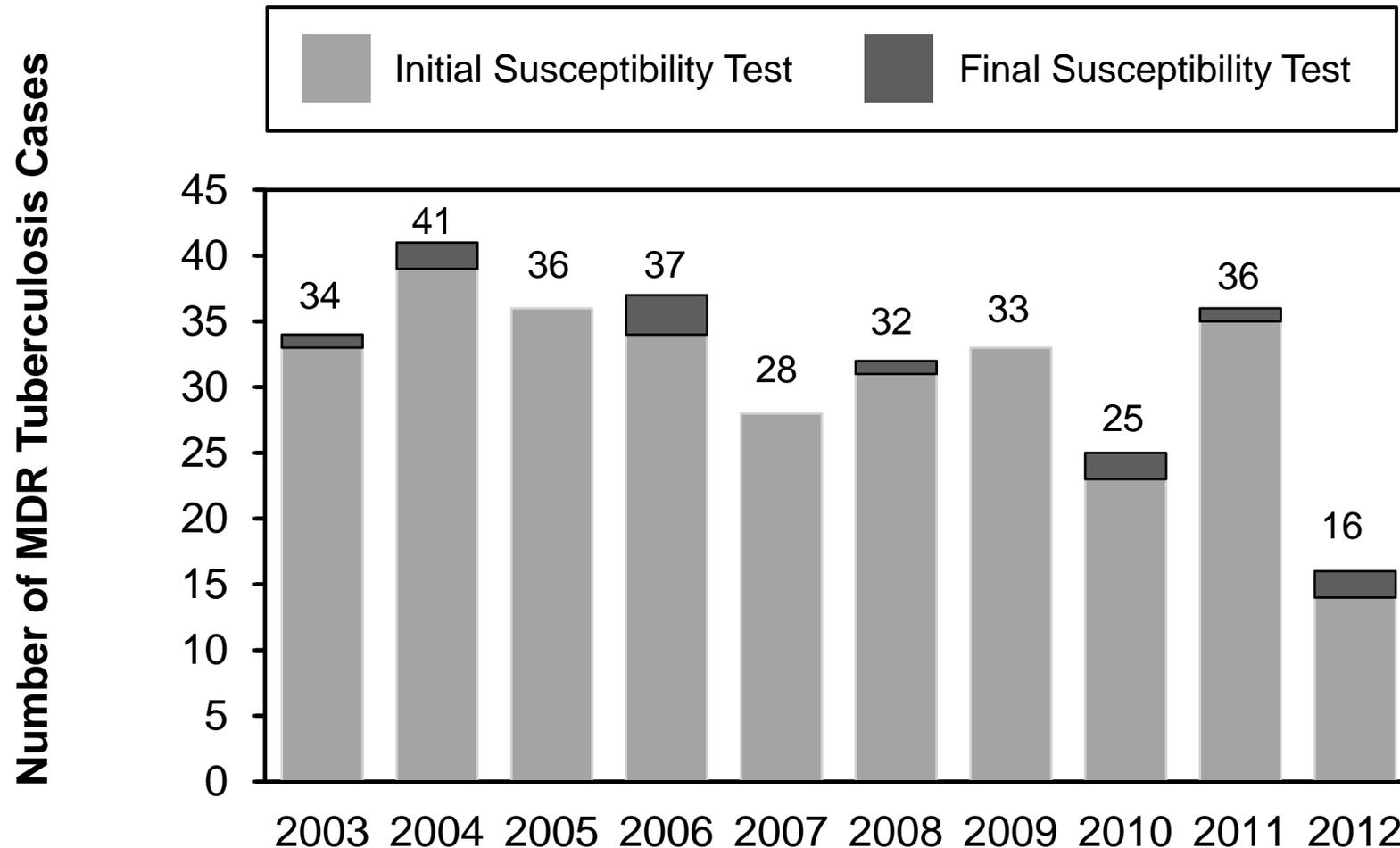
\* Match found in HIV/AIDS Registry, California Office of AIDS

# Figure 12. HIV/AIDS-associated Tuberculosis\* by Race/Ethnicity: California, 2004-2013



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

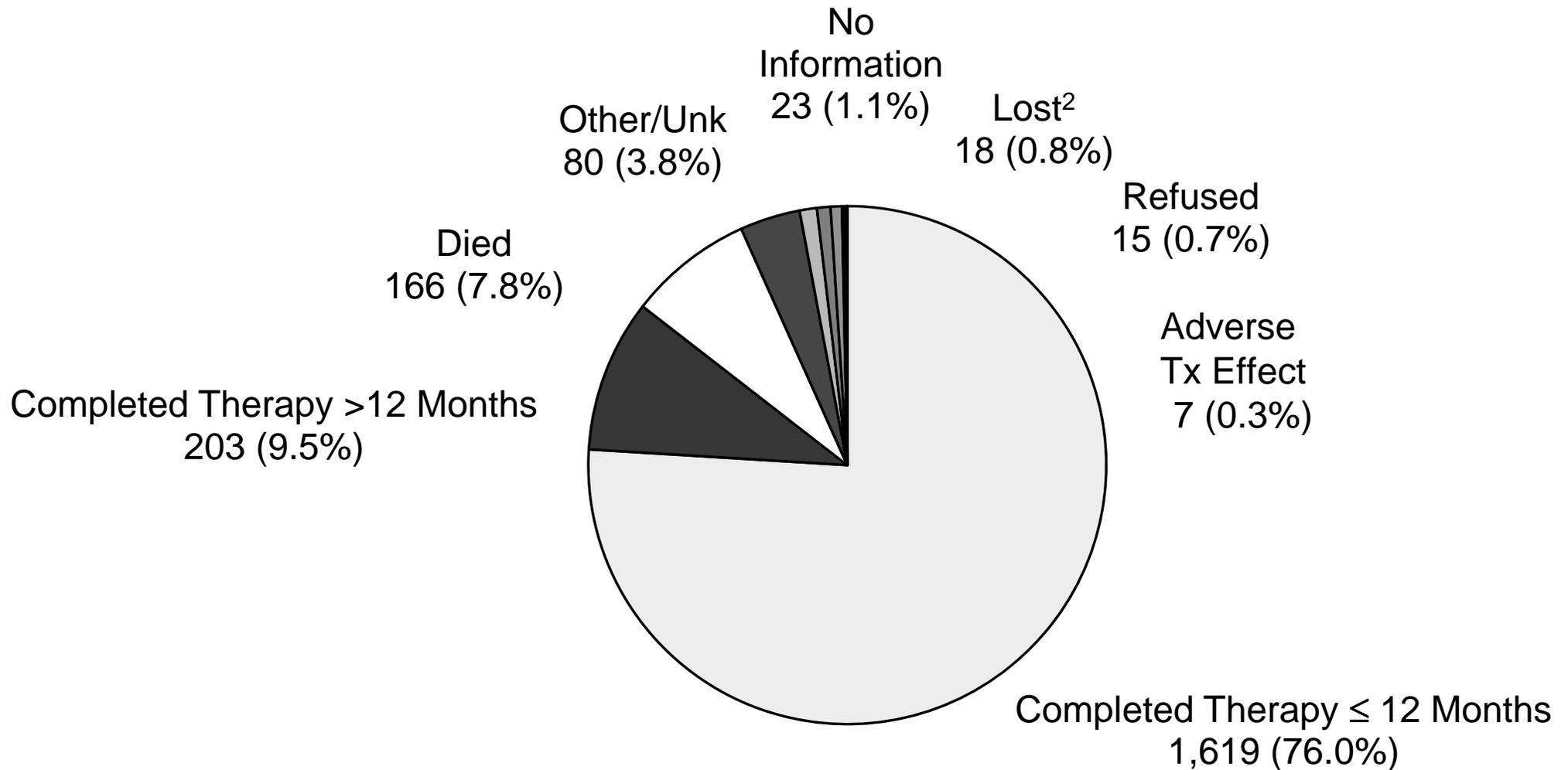
# Figure 13. Tuberculosis Cases with Multidrug Resistance (MDR) on Initial or Final Drug Susceptibility Testing\*: California, 2003-2012



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



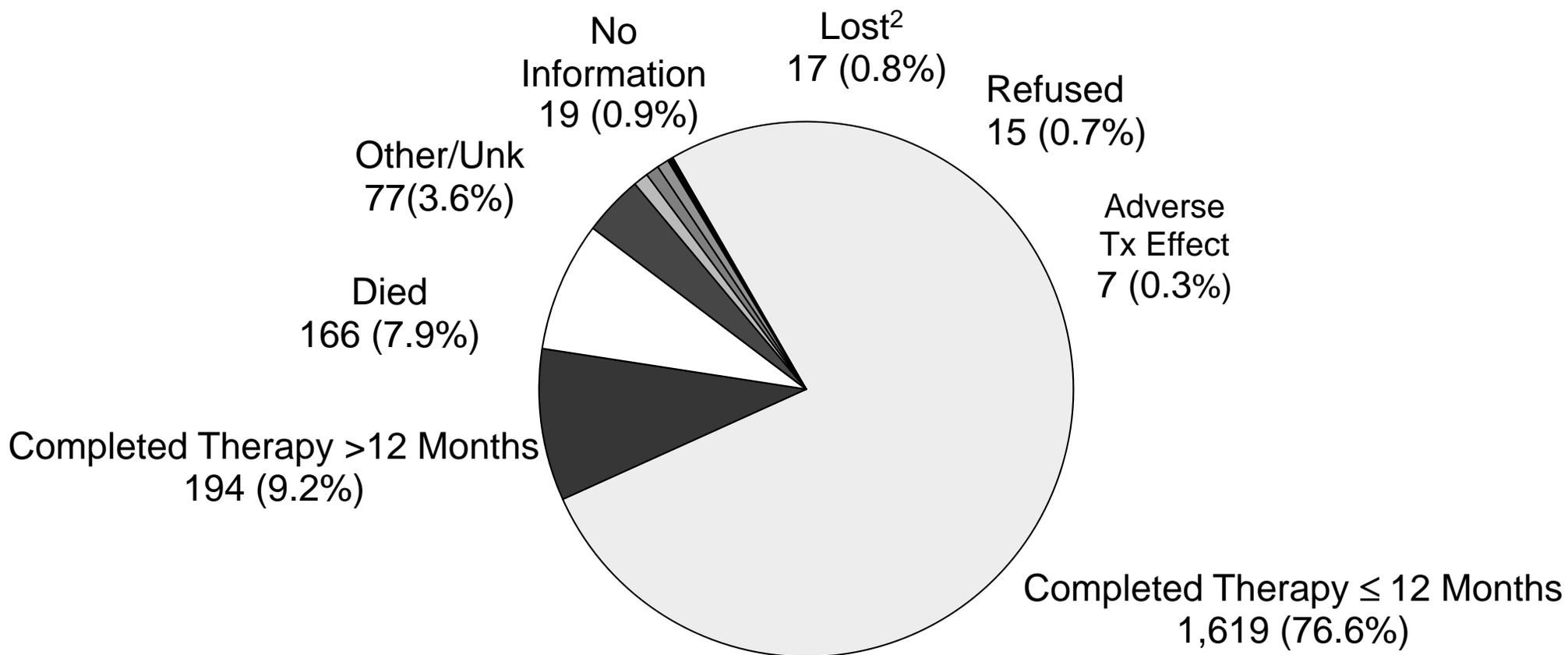
# Figure 15. Tuberculosis Cases<sup>1</sup> by Outcome of Therapy: California, 2012



<sup>1</sup> Patient was alive at diagnosis and started on an initial drug regimen of one or more drugs.

<sup>2</sup> Patient could not be located prior to the completion of treatment.

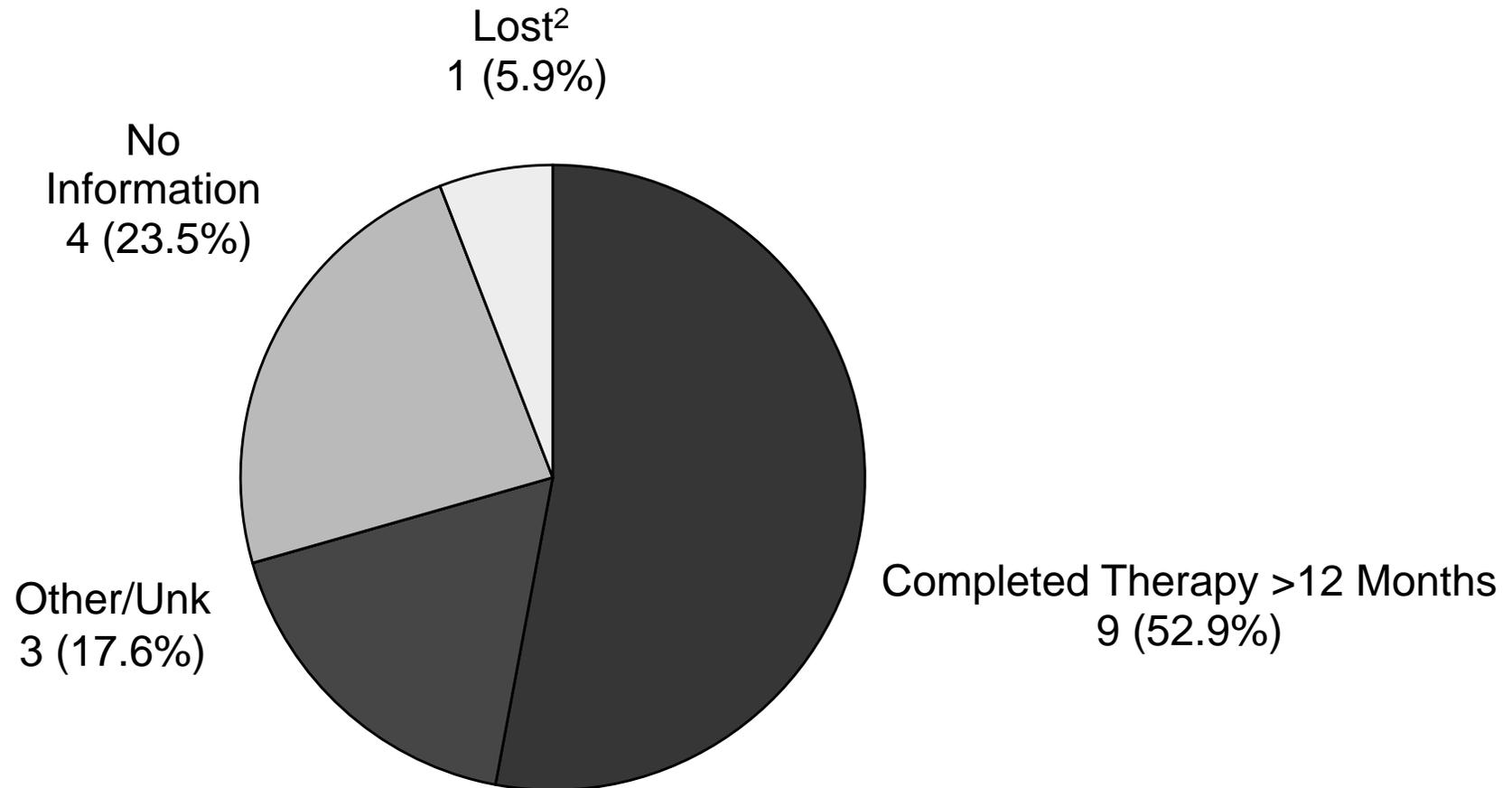
# Figure 16. Outcome in Tuberculosis Cases for Whom One Year or Less of Treatment was Indicated<sup>1</sup>: California, 2012



<sup>1</sup> Excludes cases with rifampin resistant disease, cases with meningeal disease, and cases less than 15 years of age with disseminated tuberculosis disease.

<sup>2</sup> Patient could not be located prior to the completion of treatment.

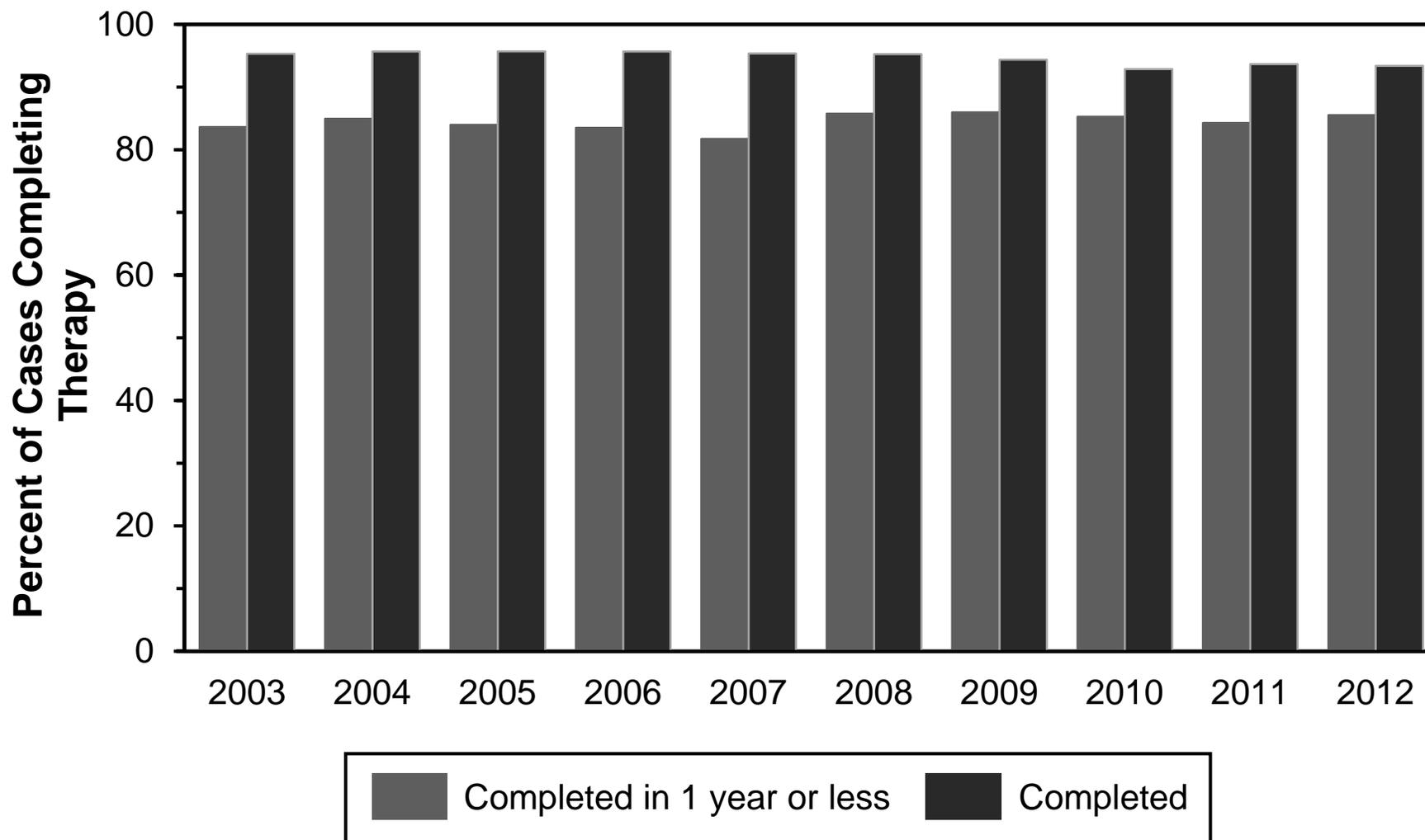
# Figure 17. Outcome in Tuberculosis Cases for Whom Greater than One Year of Treatment was Indicated<sup>1</sup>: California, 2012



<sup>1</sup> Includes cases with rifampin resistant disease, cases with meningeal disease, and cases less than 15 years of age with disseminated tuberculosis disease.

<sup>2</sup> Patient could not be located prior to the completion of treatment

# Figure 18. Completion of Tuberculosis Therapy: California, 2003-2012



Note: Excludes cases with rifampin resistant disease, cases with meningeal, bone and/or joint, or central nervous system disease, cases less than 15 years of age with disseminated tuberculosis disease, and cases that died less than one year after treatment initiation or moved out of country.

## Technical Notes

### Reporting Jurisdictions

California has 61 jurisdictions that report TB morbidity. There are 58 counties and the cities of Berkeley, Long Beach, and Pasadena. Reports from Alameda County exclude TB cases from the city of Berkeley, and reports from Los Angeles County exclude cases from the cities of Long Beach and Pasadena. Since 1993, local health jurisdictions have used the Report of Verified Case of Tuberculosis (RVCT) form to report TB cases; an expanded and updated version of this form was implemented in California in 2010. California cleans, compiles and analyzes these data for state and local use, and also reports these data to the Centers for Disease Control and Prevention (CDC).

### TB Cases

A TB case submitted to the TBCB Registry by January 15, 2015 was included as a 2014 case in this report if the case was confirmed as active TB between January 1 and December 31, 2014. After reporting the case, a jurisdiction may subsequently decide that a reported case did not have TB. Also, a few cases may be reported after the submission deadline. These changes will be reflected in future reports. Therefore, the total number of TB cases counted in a given year may change, usually by a small number of cases.

### Population Data

Population data were derived primarily from the following sources at the State of California, Department of Finance, and were used as described below.

#### Projection series

- *Race/Ethnic Population with Age and Sex Detail, 1970-1989, December 1998*  
*Race/Ethnic Population with Age and Sex Detail, 1990-1999, May 2009*
- *California and its Counties Population by Age, Race/Hispanics, and Gender: 2000-2010, March 2013*
- *P-3 Population Projections by Race/Ethnicity, Detailed Age, and Gender, 2010-2060, December 2014*

#### Estimate series

- *E-2 California County Population Estimates and Components of Change by Year, July 1, 2010-2014, December 2014*
- *E-4 Historical Population Estimates for Cities, Counties, and the State 2011-2014 with 2010 Benchmark.*

State and county population totals are from the estimate series. Populations for the cities of Berkeley, Long Beach and Pasadena were estimated by obtaining the ratio of city to county population totals from the E-4 report, and applying the ratio to the E-2 county population totals. Population totals for the jurisdiction of Alameda were then calculated by subtracting Berkeley calculated population from Alameda County total; population total for the jurisdiction of Los Angeles was calculated by subtracting Long Beach and Pasadena calculated populations from Los Angeles County total.

Demographic populations were estimated by applying the population proportion of each demographic subgroup (projection series) to the state total (estimate series).

For calculation of rates by racial/ethnic group, the multi-race category in the 2005–2014 population data was reallocated to a single racial/ethnic group according to the allocation table

in this source: State of California, Department of Finance, *Suggested Allocations of the Multi-race Category for Use with Projections by Race/Ethnicity for California and Its Counties, 2000-2050*, Sacramento, California, June 2004.

Populations of foreign-born and U.S.-born persons were calculated by applying the proportion of each group from the United States Census Bureau's *American Community Survey* available at <http://factfinder2.census.gov>, to the California total population for 2014 from California Department of Finance, *E-2 California County Population Estimates and Components of Change by Year, July 1, 2010-2013*. At the time of preparation of this report, U.S. Census data for the current year were not available, therefore the proportion of foreign-born and U.S.-born persons from 2013 were also used for 2014. These rates will be updated in future reports.

### Small Case Numbers

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 15–21, 35–45), data from jurisdictions with less than five cases of TB are aggregated to reduce the likelihood that individual TB cases in a given jurisdiction can be identified.

The following 12 jurisdictions had between one and four cases of TB in 2014: Calaveras, Humboldt, Kings, Mendocino, Napa, Placer, San Benito, San Luis Obispo, Shasta, Siskiyou, and Sutter. The following 17 jurisdictions had no TB cases in 2014: Alpine, Amador, Colusa, Del Norte, Glenn, Inyo, Lake, Lassen, Mariposa, Modoc, Mono, Nevada, Plumas, Sierra, Tehama, Trinity and Tuolumne.

### Ranking of Jurisdictions

For Table 12, jurisdictions are ranked in order of decreasing 2014 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 are listed in alphabetical order.

### TB Case Definition and Verification Criteria

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

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

1. Positive culture for *Mtb*

2. Positive nucleic acid amplification test
3. Positive acid-fast bacilli test
4. Clinical case confirmation
5. Provider diagnosis

#### Race and Ethnicity

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

Beginning in 2003, the federal Office of Management and Budget (OMB) mandated separate reporting of Asian and Pacific Islander/Native Hawaiian races, as well as the opportunity for persons to identify themselves by one or more racial groups. Individuals reporting more than one race are presented in Table 18. In all other tables presenting race/ethnicity, cases were reassigned to a single racial/ethnic group based on the “Smallest Group” method, in which responses that include white and any another group were assigned to the other group, and responses with two or more racial groups other than white were assigned to the group with the fewest number of individuals identifying that group as a single race.

In 2014, there were seven non-Hispanic persons reported with more than one race. In tables where data on race/ethnicity are presented (except Table 18) four persons reported as Asian and white were included in the Asian and Pacific Islander group; two person reported as black and white are reported in the black, non-Hispanic group, and one person reported as American Indian or Native Alaskan and white are reported in the American Indian and Alaska Native group. In addition to the 4 multi-race Asian persons, 1066 persons were reported as only Asian, and 11 were reported as only Native Hawaiian or Pacific Islander, for a total of 1,081 persons in the combined Asian and Native Hawaiian/Pacific Islander group

#### HIV/AIDS Status

In 2011, California implemented reporting of human immunodeficiency virus (HIV) status of TB cases on the RVCT (Tables 36, 37). Since 1993, TB cases co-infected with HIV, and reported with HIV or acquired immunodeficiency syndrome (AIDS) are also identified by matching TBCB Registry data with the HIV/AIDS case registry in the California Department of Public Health Office of AIDS. At the time of this report, the match results were available through 2013 (Tables 11, 35, 62, 63, Figures 11, 12).

#### Primary Reason for TB Evaluation

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

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

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

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

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

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

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

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

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

## Risk Factors for TB

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

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

## Immigration Status at First Entry to the United States

Information on the immigration status of cases born outside the United States was added to the TB case report form in 2010. TB patients are asked to provide their immigration status at the time they first entered the US. Persons entering the United States with no official immigration

status (e.g., “undocumented” persons) are included in the “other” immigration status category, as are persons with visa types other than those specified in Table 21, and persons not required to obtain visas (such as short-term visitors from countries such as Canada that are part of the U.S. visa waiver program). In addition, some local health jurisdictions have policies in place that prohibit them from inquiring about the immigration status of patients; these cases are included in the “unknown” category.

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

### Drug Susceptibility Reports

Tables 46–53 present the results of initial drug susceptibility testing for the most recent year (2014). Because the Initial Drug Susceptibility Report (Follow-up 1) may be submitted several months after the initial case report, all results may not have been available at the time this report was prepared. At the time of report preparation, drug susceptibility testing was approximately 94 percent complete for culture-positive TB cases. As additional Follow-up 1 reports are submitted, overall proportions of drug resistance may change slightly. These updated results will be available in future reports, in tables presenting trends in drug resistance (Tables 54, 55, Figure 13).

Figure 13 presents MDR TB cases (defined as cases with an isolate resistant to at least isoniazid and rifampin reported on the Initial Drug Susceptibility Report [Follow-up 1] or the Case Completion Report [Follow-up 2]).

### Case Completion Reports

Because the Case Completion Report (Follow-up 2) is not submitted until many months after a TB case is initially reported, data reported on cases counted in 2012 are the most recent available and are presented in this report. These data include health care provider type, directly observed therapy (DOT) and treatment outcomes (Tables 33, 34, 57–63, Figures 13, 15–18). Data in these tables are from the final Follow-up 2 submitted and, therefore represent the overall treatment completion rate for cases beginning therapy for TB disease in California. Treatment completion may have occurred in the jurisdiction reporting the case, in another California jurisdiction, or in another state.

### Treatment Outcomes

Categories for completion of therapy (Tables 57–60, 62–63, Figures 15–17) are: completed therapy in 12 months or less (includes patients whose treatment was completed in 365 days or less); and completed therapy in more than 12 months (treatment completed in more than 365 days, or treatment completed in an undetermined amount of time). If the day of the month is missing from the treatment start or stop date (but the month and year are available), the missing day is set to the first of the month. Because the day of the month is much more likely to be missing from the stop date than the start date, the bias in calculating the duration of therapy is toward shorter duration of therapy.

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

Tables 58, 59 and 63, and Figure 16 present outcomes of TB treatment for cases expected to complete TB therapy in one year or less. Thus, cases with rifampin-resistant disease (including MDR TB), those with meningeal disease, and children less than 15 years of age with disseminated TB disease are excluded. Treatment outcomes for those cases not expected to complete therapy in one year (rifampin-resistant disease, meningeal disease, and children less than 15 years of age with disseminated disease) are presented in Table 60 and Figure 17.

Table 59 and Figure 18 present completion of TB therapy using methodology similar to that used by CDC. Patients with rifampin-resistant disease, patients with meningeal, bone or joint disease, patients under 15 years of age with disseminated disease, patients who died during treatment, and patients who moved out of the country prior to completing treatment are excluded. The percentage of patients who completed therapy in one year or less is presented, as well as the percentage of patients who completed therapy, regardless of duration.