

**CDPH INFECTIOUS DISEASES BRANCH (IDB)  
YEARLY SUMMARIES OF SELECTED COMMUNICABLE  
DISEASES IN CALIFORNIA, 2013–2021**

**Surveillance and Statistics Section  
Infectious Diseases Branch  
Division of Communicable Disease Control  
Center for Infectious Diseases  
California Department of Public Health**



**Gavin Newsom  
Governor  
State of California**

An [accessible Excel data file of the 2013-2021 Yearly Summaries of Selected Communicable Diseases in California](#) is available for download

**Mark Ghaly, Secretary  
Health and Human Services Agency**

**Tomás J. Aragón, MD, DrPH, Director  
Department of Public Health**

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We thank the CDPH Infectious Diseases Branch (IDB) subject matter experts for their review of reported cases and especially the IDB Surveillance and Statistics Section staff for their daily data entry, cleaning, and processing, all contributing to these CDPH IDB Yearly Summaries of Selected Communicable Diseases in California.

## CDPH INFECTIOUS DISEASES BRANCH (IDB) YEARLY SUMMARIES OF SELECTED COMMUNICABLE DISEASES IN CALIFORNIA, 2013 – 2021: Technical Notes

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### Background

The California Department of Public Health (CDPH) Infectious Diseases Branch (IDB) maintains a system for the passive reporting of selected communicable disease cases and outbreaks mandated by state law and regulation.<sup>1</sup> Health care providers and laboratories are required to report known or suspected cases of these communicable diseases to their Local Health Department (LHD). LHDs in turn report these cases to CDPH.

These Technical Notes describe the definitions and methods used to analyze cases of selected communicable diseases reported to CDPH IDB,<sup>2</sup> as well as limitations to these analyses.

The collection and distribution of information on the health of the community is a core function and essential service of public health. The data in these yearly summaries provide important information on the magnitude and burden of selected communicable diseases in California. These surveillance data can contribute to the identification of risk groups to whom intervention strategies and actions can be targeted, and aid in assessing the effectiveness of these control and prevention measures.

### Materials and methods

#### *Case data source*

Included in this document--CDPH Infectious Diseases Branch (IDB) Yearly Summaries of Selected Communicable Diseases in California, 2013-2021--are incident cases of communicable diseases that had an estimated illness onset date from January 1, 2013 through December 31, 2021. These data were extracted from California Confidential Morbidity Reports that were submitted to CDPH by July 20, 2022 and entered into the CDPH California Reportable Disease Information Exchange (CalREDIE) system or reported electronically by CalREDIE non-participating LHDs.

Data were quality checked and duplicate case records were removed based on a probabilistic data matching de-duplication algorithm. For diseases that may occur as acute and chronic conditions--such as coccidioidomycosis and brucellosis--only the first report of the condition in a given patient was included based on an evaluation by the de-duplication algorithm of historical as well as recent surveillance data.

#### *Case inclusion criteria*

LHDs--and for some diseases also CDPH--reviewed case information to determine whether surveillance case definitions were met.<sup>3</sup> Cases were classified as Confirmed, Probable, or Suspect according to established clinical and laboratory criteria. Upon completion of case review, LHDs and/or CDPH designated cases as closed.

Reported cases of the following diseases that met criteria for a Confirmed case were included in this report: cholera, ciguatera fish poisoning (through 2018), coccidioidomycosis, domoic acid poisoning (through 2018), hantavirus infection, legionellosis, leprosy (Hansen's disease), listeriosis (through 2018), plague (human), and rabies (animal and human).

Reported cases of the following diseases that met criteria for a Confirmed or Probable case were included in this report: anaplasmosis, anthrax, babesiosis, botulism (foodborne, wound, and other), brucellosis, campylobacteriosis, chikungunya virus infection, ciguatera fish poisoning (as of 2019), Creutzfeldt-Jakob disease and other transmissible spongiform encephalopathies, cryptosporidiosis,

cyclosporiasis, cysticercosis/taeniasis, dengue, domoic acid poisoning (as of 2019), ehrlichiosis, flavivirus infection of undetermined species, giardiasis, hemolytic uremic syndrome (HUS) without evidence of Shiga toxin-producing *E. coli*, hepatitis E (acute infection), leptospirosis, listeriosis (as of 2019), Lyme disease, malaria, paralytic shellfish poisoning, paratyphoid fever, psittacosis, Q fever, relapsing fever, salmonellosis, scombroid fish poisoning, Shiga toxin-producing *E. coli* (STEC) (with and without HUS), shigellosis (Groups A, B, C, D, and Unspecified), spotted fever rickettsiosis, trichinosis, tularemia, typhoid fever, typhus fever, *Vibrio* infection (non-cholera), yellow fever, yersiniosis, and Zika virus infection.

For reported cases of the following diseases, only those closed by CDPH were included in this report: anthrax, botulism (foodborne, wound, and other), brucellosis, chikungunya virus infection, cholera, cysticercosis/taeniasis, dengue, flavivirus infection of undetermined species, hantavirus infection, legionellosis, leptospirosis, listeriosis, Lyme disease, malaria, plague (human), psittacosis, Q fever, rabies (animal and human), relapsing fever, spotted fever rickettsiosis, trichinosis, tularemia, typhus fever, *Vibrio* infection, and yellow fever.

For reported cases of the following diseases, only those closed by CDPH or noted by LHDs as “pending release/clearance” were included in this report: hemolytic uremic syndrome (HUS) without evidence of Shiga toxin-producing *E. coli*, paratyphoid fever, Shiga toxin-producing *E. coli* (STEC) with HUS, and typhoid fever.

For reported cases of Zika virus infection, only those closed by CDPH or noted by LHDs as “Closed to Surveillance - Open to Tracking” were included in this report.

For reported cases of the following diseases, only those closed by LHDs (or CDPH) were included in this report: anaplasmosis, babesiosis, campylobacteriosis, ciguatera fish poisoning, coccidioidomycosis, Creutzfeldt-Jakob disease and other transmissible spongiform encephalopathies, cryptosporidiosis, cyclosporiasis, domoic acid poisoning, ehrlichiosis, hepatitis E (acute infection), leprosy (Hansen's disease), paralytic shellfish poisoning, scombroid fish poisoning, and yersiniosis.

For reported cases of the following diseases, only those closed by LHDs (or CDPH) or noted by LHDs as “pending release/clearance” were included in this report: giardiasis, salmonellosis, Shiga toxin-producing *E. coli* (STEC) without HUS, and shigellosis.

For LHDs with surveillance systems that did not indicate cases' resolution status (Confirmed, Probable, Suspect) or whether cases were closed, all reported cases were included.

### *Population data source*

For the 2013–2021 Summaries, we used State of California, Department of Finance (DOF) postcensal population projections and estimates.<sup>4, 5, 6</sup>

### *Definitions*

In general, we defined a case as a person with laboratory and/or clinical evidence of infection or disease that satisfied the most recent communicable disease surveillance case definition published by the United States Centers for Disease Control and Prevention (CDC) or by the Council of State and Territorial Epidemiologists.

Estimated date of illness onset was defined as the date closest to the time when symptoms first appeared. For cases for which an illness onset date was not explicitly reported, estimated date of illness onset was selected as the earliest of: date of diagnosis, date the case was reported to or received by CDPH, date of laboratory specimen collection, or date of patient death.

Cases were classified to local health jurisdiction according to the case-patient's county of residence. This classification may not correspond to the county where the case-patient was exposed, sought medical care, or was diagnosed.

Sex categories were defined as Female, Male, and Unknown. Because the number of transgender case-patients was small (0.03% of all cases), case-patients who reported male-to-female transgender were categorized as Female, and those who reported female-to-male transgender were categorized as Male.

Mutually exclusive race/ethnicity categories were defined as follows: Hispanic/Latino (of any, including unknown, race), and non-Hispanic White, Black, Asian/Pacific Islander, American Indian/Alaska Native, Multiple Race, and Other. Cases for which race and ethnicity were not reported were categorized as Unknown.

### *Data analyses*

We reported case totals and incidence rates (IR) stratified by estimated year of illness onset, age group, and local health jurisdiction.

- Incidence rate (IR) = Number of cases per 100,000 population per year
- Standard error (SE) =  $IR/\sqrt{\text{number of cases}}$
- Relative standard error =  $SE/IR \times 100$

We defined an IR as unstable if the relative standard error was 23 percent or more of the IR estimate (a threshold recommended by the National Center for Health Statistics).<sup>7</sup>

### **Tables and figures**

The following tables and figures are included in this report; please note that the tables and figures may be altered or suppressed to minimize depiction of unreliable IRs and to prevent case-patient re-identification:

#### *Tables:*

- *Cases and IRs by health jurisdiction*
- *Cases by month of estimated illness onset*
- *Cases and IRs by sex*
- *Cases and IRs by age group*
- *Cases by race/ethnicity*

#### *Figures:*

- *Cases and IRs by year of estimated illness onset*
- *IRs by age group and year of estimated illness onset*
- *Cases and population by race/ethnicity*

### **Limitations**

#### *Completeness and timeliness of reporting*

The numbers of cases reported for some diseases may underestimate the true magnitude of disease. Among factors that can contribute to under-reporting are: delays in notification, limited collection or appropriate testing of specimens, obstacles or impediments to ill persons seeking health care, limited resources and competing priorities in LHDs, and inexhaustive reporting by clinicians and laboratories.

The lower numbers of cases in 2020 compared to 2019 for many diseases described in this report may reflect the impact of the Coronavirus Disease 2019 (COVID-19) pandemic, which in the U.S. became more widely spread starting in 2020. For instance, the pandemic may have led to decreased transmission of the infectious diseases included in this report due to the adoption of social distancing and mask-wearing prevention measures, as well as decreased reporting due to lack of care seeking and diagnosis.

Among factors that can enhance efficiency of disease reporting are disease severity, infrequent or rare occurrence of the condition, the availability of new or less expensive diagnostic tests, expansion of criteria that define a case, recent media attention or public interest, and active surveillance activities.

During the nine-year surveillance period (2013–2021), CDC and CDPH IDB conducted active surveillance for selected diseases in Alameda, Contra Costa, and San Francisco counties through the California Emerging Infections Program (CEIP). CEIP conducted active laboratory-based surveillance of campylobacteriosis, cryptosporidiosis, cyclosporiasis, listeriosis, salmonellosis, Shiga toxin-producing *E. coli* (STEC), shigellosis, *Vibrio* infection, yersiniosis, and pediatric hemolytic uremic syndrome.

Because race/ethnicity information was missing or incomplete for 27 percent of all 2013-2021 cases included in this report, IRs by race/ethnicity were not calculated. However, the proportion of cases representing race/ethnicity categories for selected diseases are presented alongside statewide averages for these categories during the nine-year surveillance period. Nonetheless, race/ethnicity information based on a high percentage of missing data should be interpreted with caution.

Data presented in this report may differ from previously published data due to delays inherent to case reporting, laboratory reporting, and epidemiologic investigation.

#### *Small numbers and rate variability*

All IRs are subject to random variation. Random variation may be substantial when the number of cases is small (e.g., less than 20) and can obscure distinguishing random statistical fluctuations from true changes in the incidence of disease. Rates and proportions based on small numbers of cases should be interpreted with caution.

Data were evaluated for potential reidentification due to small numbers based on a scoring criteria developed by the California Department of Health Care Services.<sup>8</sup> All data that required masking according to the scoring criteria were suppressed.

#### *Rate comparisons*

Incidence rate comparisons between local health jurisdictions and surveillance years should be made with caution.

### **Accessibility**

An [accessible Excel data file](#) is available for this report. Accessible data for all selected diseases are grouped into the following tables:

- *Cases and Rates in California by Year of Estimated Illness Onset, 2013-2021*
- *Cases and Rates by Local Health Jurisdiction and Year of Estimated Illness Onset, California, 2013-2021*



- *Cases by Month of Estimated Illness Onset, California, 2013-2021*
- *Cases and Rates by Sex, California, 2013-2021*
- *Cases and Rates by Age Group and Year of Estimated Illness Onset, California, 2013-2021*
- *Cases by Race/Ethnicity and Year of Estimated Illness Onset, California, 2013-2021*
- *Average Incidence Rates by Age Group, California, 2013-2021*
- *Cases and Population by Race/Ethnicity, California, 2013-2021*

## References

<sup>1</sup> [California Code of Regulations, Title 17, Sections 2500.](#)

<https://www.cdph.ca.gov/Programs/CID/DCDC/CDPH%20Document%20Library/ReportableDiseases.pdf>

<sup>2</sup> CDPH IDB assumed responsibility for surveillance of human West Nile Virus (WNV) infection in late 2017 and is not including WNV data in this report. For human [WNV data from 2003 onward](#), please see [https://westnile.ca.gov/resources\\_reports.php?report\\_category\\_id=1](https://westnile.ca.gov/resources_reports.php?report_category_id=1)

<sup>3</sup> [U.S. Centers for Disease Control and Prevention, National Notifiable Diseases Surveillance System.](#)

<https://www.cdc.gov/nndss/index.html>

<sup>4</sup> State of California, Department of Finance, P-3 State and County Population Projections by Race/Ethnicity and Detailed Age, 2010–2060. Sacramento, California, July 2021.

<sup>5</sup> State of California, Department of Finance, E-4 Population Estimates for Cities, Counties, and the State, 2011–2020, with 2010 Census Benchmark. Sacramento, California, May 2022.

<sup>6</sup> State of California, Department of Finance, E-4 Population Estimates for Cities, Counties, and the State, 2021–2022, with 2020 Census Benchmark. Sacramento, California, May 2022.

<sup>7</sup> Xu JQ, Murphy SL, Kochanek KD, Bastian B, Arias E. [Deaths: Final data for 2016. National Vital Statistics Reports](#); vol 67 no 5. Hyattsville, MD: National Center for Health Statistics. 2018. [https://www.cdc.gov/nchs/data/nvsr/nvsr67/nvsr67\\_05.pdf](https://www.cdc.gov/nchs/data/nvsr/nvsr67/nvsr67_05.pdf)

<sup>8</sup> [Data De-identification Guidelines \(DDG\).](#) Department of Health Care Services, State of California website. Accessed December 22, 2022. [https://www.dhcs.ca.gov/dataandstats/Documents/DHCS-DDG-V2.1-010821%20\(1\).pdf](https://www.dhcs.ca.gov/dataandstats/Documents/DHCS-DDG-V2.1-010821%20(1).pdf)

Prepared by Kirsten Knutson, MPH and Yanyi Djamba, PhD, Infectious Diseases Branch

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# Anaplasmosis

## Anaplasmosis, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	8	0.0*	5	0.0*	4	0.0*	6	0.0*	8	0.0*
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	1	0.1*	1	0.1*
ALAMEDA	0	-	0	-	0	-	1	0.1*	0	-
BERKELEY	0	-	0	-	0	-	1	0.8*	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	0	-	0	-	1	0.1*	0	-	1	0.1*
DEL NORTE	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-
FRESNO	1	0.1*	0	-	0	-	0	-	0	-
GLENN	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	1	0.7*	0	-	1	0.7*	0	-
IMPERIAL	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	0	-	1	0.1*	0	-
KINGS	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	1	3.3*	0	-	0	-
LOS ANGELES COUNTY TOTAL	0	-	0	-	0	-	0	-	2	0.0*
LOS ANGELES	0	-	0	-	0	-	0	-	2	0.0*
LONG BEACH	0	-	0	-	0	-	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-
MARIN	0	-	0	-	0	-	2	0.8*	1	0.4*
MARIPOSA	0	-	1	5.5*	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	2	2.3*
MERCED	0	-	0	-	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	0	-	0	-	0	-	0	-
NAPA	0	-	0	-	0	-	1	0.7*	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-
ORANGE	0	-	0	-	0	-	0	-	1	0.0*
PLACER	0	-	0	-	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	0	-	0	-	0	-
SACRAMENTO	0	-	0	-	0	-	1	0.1*	0	-
SAN BENITO	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	0	-	0	-	0	-	0	-	0	-
SAN DIEGO	0	-	0	-	0	-	0	-	0	-
SAN FRANCISCO	2	0.2*	0	-	1	0.1*	0	-	0	-
SAN JOAQUIN	0	-	0	-	0	-	0	-	0	-
SAN LUIS OBISPO	0	-	1	0.4*	1	0.4*	0	-	0	-
SAN MATEO	0	-	0	-	0	-	1	0.1*	0	-
SANTA BARBARA	3	0.7*	0	-	0	-	2	0.4*	1	0.2*
SANTA CLARA	0	-	1	0.1*	0	-	0	-	1	0.1*
SANTA CRUZ	0	-	1	0.4*	0	-	0	-	0	-
SHASTA	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-
SOLANO	0	-	0	-	0	-	0	-	0	-
SONOMA	1	0.2*	0	-	0	-	1	0.2*	0	-
STANISLAUS	0	-	0	-	0	-	0	-	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-
TULARE	1	0.2*	0	-	0	-	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-
VENTURA	0	-	0	-	0	-	1	0.1*	0	-
YOLO	0	-	0	-	0	-	0	-	0	-
YUBA	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.

## Anaplasmosis

### Anaplasmosis, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	8	5	4	6	8	7	6	7	14	
JANUARY	0	0	0	0	0	0	0	0	0	
FEBRUARY	0	0	0	0	0	0	0	0	0	
MARCH	0	0	0	0	0	0	0	0	0	
APRIL	2	0	0	0	0	0	0	0	5	
MAY	1	1	1	0	2	1	0	3	0	
JUNE	2	1	1	2	3	2	3	1	3	
JULY	1	0	1	2	1	0	2	2	5	
AUGUST	1	0	0	1	1	3	1	1	0	
SEPTEMBER	0	0	0	0	0	1	0	0	1	
OCTOBER	1	0	0	0	1	0	0	0	0	
NOVEMBER	0	1	1	0	0	0	0	0	0	
DECEMBER	0	2	0	1	0	0	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Anaplasmosis, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	8	0.0*	5	0.0*	4	0.0*	6	0.0*	8	0.0*	7	0.0*	6	0.0*	7	0.0*	14	0.0*
FEMALE	2	0.0*	3	0.0*	3	0.0*	5	0.0*	4	0.0*	3	0.0*	1	0.0*	1	0.0*	3	0.0*
MALE	6	0.0*	2	0.0*	1	0.0*	1	0.0*	4	0.0*	4	0.0*	5	0.0*	6	0.0*	11	0.1*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Anaplasmosis, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	8	0.0*	5	0.0*	4	0.0*	6	0.0*	8	0.0*	7	0.0*	6	0.0*	7	0.0*	14	0.0*
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
10-14	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-
15-24	1	0.0*	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
25-34	2	0.0*	0	-	0	-	1	0.0*	1	0.0*	1	0.0*	1	0.0*	0	-	1	0.0*
35-44	1	0.0*	1	0.0*	0	-	1	0.0*	1	0.0*	1	0.0*	0	-	0	-	0	-
45-54	0	-	2	0.0*	0	-	1	0.0*	0	-	2	0.0*	0	-	2	0.0*	4	0.1*
55-64	3	0.1*	0	-	0	-	2	0.0*	3	0.1*	2	0.0*	2	0.0*	0	-	1	0.0*
65+	1	0.0*	1	0.0*	4	0.1*	1	0.0*	3	0.1*	1	0.0*	3	0.0*	4	0.1*	8	0.1*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

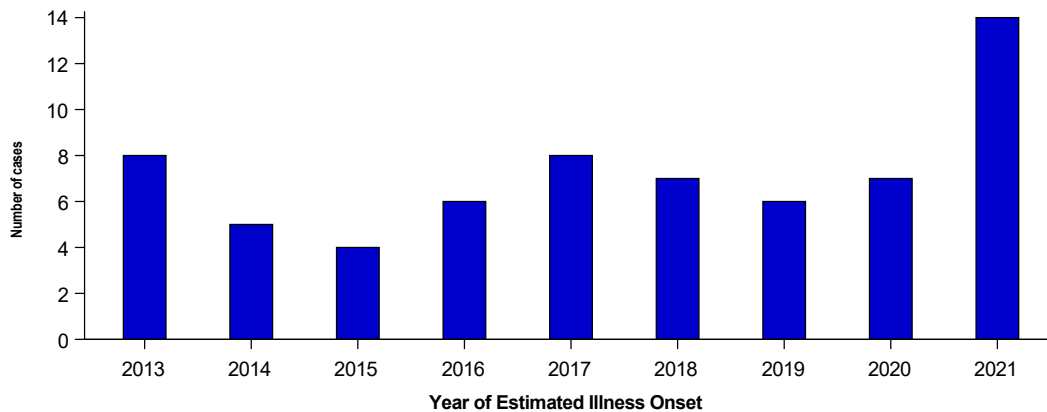
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Anaplasmosis, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	8	5	4	6	8	7	6	7	14	
WHITE, NON-HISPANIC	4	1	2	0	2	3	5	5	10	
HISPANIC/LATINO	1	0	0	0	0	0	0	2	1	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	0	0	0	1	0	1	0	0	1	
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	1	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
OTHER, NON-HISPANIC	0	0	0	0	0	1	0	0	0	
UNKNOWN	3	4	2	5	5	2	1	0	2	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Anaplasmosis Cases by Year of Estimated Illness Onset, California, 2013-2021



## **Anthrax**

No cases of Anthrax were reported to CDPH with illness onset during 2013-2021

# Babesiosis

## Babesiosis, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	3	0.0*	2	0.0*	6	0.0*	5	0.0*	6	0.0*	6	0.0*	5	0.0*	1	0.0*	6	0.0*
ALAMEDA COUNTY TOTAL	0	-	0	-	2	0.1*	0	-	0	-	0	-	1	0.1*	0	-	0	-
ALAMEDA	0	-	0	-	2	0.1*	0	-	0	-	0	-	1	0.1*	0	-	0	-
BERKELEY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
FRESNO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
IMPERIAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	0	-	1	0.0*	3	0.0*	1	0.0*	0	-	0	-	1	0.0*	1	0.0*	3	0.0*
LOS ANGELES	0	-	1	0.0*	2	0.0*	1	0.0*	0	-	0	-	1	0.0*	1	0.0*	3	0.0*
LONG BEACH	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PASADENA	0	-	0	-	1	0.7*	0	-	0	-	0	-	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NAPA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-	1	0.0*
PLACER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SACRAMENTO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN DIEGO	0	-	0	-	0	-	1	0.0*	1	0.0*	3	0.1*	2	0.1*	0	-	0	-
SAN FRANCISCO	0	-	0	-	0	-	1	0.1*	1	0.1*	1	0.1*	0	-	0	-	1	0.1*
SAN JOAQUIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN LUIS OBISPO	0	-	1	0.4*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-
SANTA BARBARA	1	0.2*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CLARA	0	-	0	-	1	0.1*	0	-	1	0.1*	2	0.1*	0	-	0	-	0	-
SANTA CRUZ	1	0.4*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*
SHASTA	0	-	0	-	0	-	0	-	1	0.6*	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SONOMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
STANISLAUS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-
YOLO	0	-	0	-	0	-	1	0.5*	0	-	0	-	0	-	0	-	0	-
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.

## Babesiosis

### Babesiosis, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	3	2	6	5	6	6	5	1	6	
JANUARY	0	0	0	0	0	0	0	0	0	
FEBRUARY	0	0	0	0	0	0	0	0	0	
MARCH	0	0	0	0	0	0	0	0	0	
APRIL	0	0	0	0	1	0	0	0	0	
MAY	0	0	0	0	0	1	1	0	0	
JUNE	1	0	1	1	1	0	0	0	2	
JULY	2	1	2	2	4	4	2	0	1	
AUGUST	0	1	3	1	0	0	1	1	1	
SEPTEMBER	0	0	0	0	0	1	1	0	0	
OCTOBER	0	0	0	0	0	0	0	0	1	
NOVEMBER	0	0	0	1	0	0	0	0	1	
DECEMBER	0	0	0	0	0	0	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Babesiosis, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	3	0.0*	2	0.0*	6	0.0*	5	0.0*	6	0.0*	6	0.0*	5	0.0*	1	0.0*	6	0.0*
FEMALE	0	-	2	0.0*	0	-	2	0.0*	3	0.0*	3	0.0*	3	0.0*	0	-	3	0.0*
MALE	3	0.0*	0	-	6	0.0*	3	0.0*	3	0.0*	3	0.0*	2	0.0*	1	0.0*	3	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Babesiosis, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	3	0.0*	2	0.0*	6	0.0*	5	0.0*	6	0.0*	6	0.0*	5	0.0*	1	0.0*	6	0.0*
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-
10-14	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
15-24	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
25-34	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-
35-44	0	-	0	-	1	0.0*	0	-	2	0.0*	1	0.0*	0	-	0	-	0	-
45-54	0	-	1	0.0*	0	-	1	0.0*	1	0.0*	1	0.0*	0	-	1	0.0*	2	0.0*
55-64	0	-	0	-	2	0.0*	3	0.1*	0	-	0	-	1	0.0*	0	-	1	0.0*
65+	3	0.1*	1	0.0*	3	0.1*	1	0.0*	3	0.1*	3	0.1*	3	0.0*	0	-	3	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

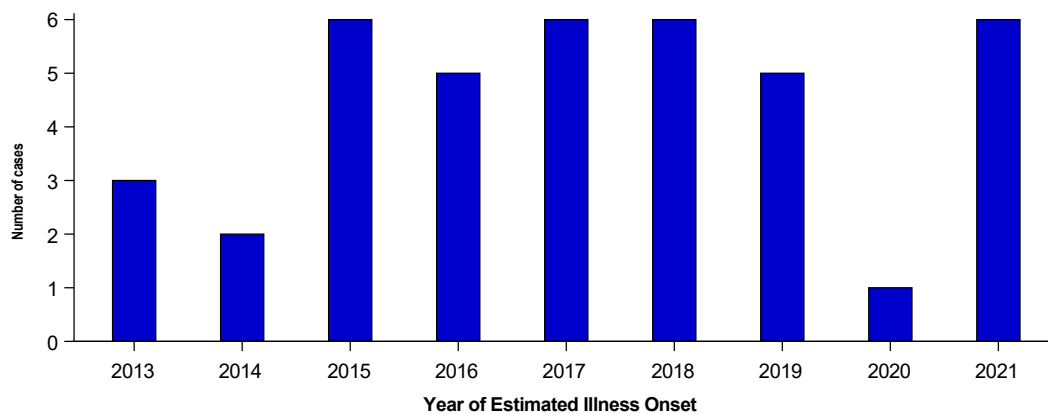
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Babesiosis, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	3	2	6	5	6	6	5	1	6	
WHITE, NON-HISPANIC	1	1	3	4	3	2	2	1	5	
HISPANIC/LATINO	1	0	0	0	0	2	0	0	0	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	0	0	2	0	1	0	2	0	0	
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
OTHER, NON-HISPANIC	0	0	0	0	0	0	1	0	1	
UNKNOWN	1	1	1	1	2	2	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Babesiosis Cases by Year of Estimated Illness Onset, California, 2013-2021





## Botulism, Foodborne

### Botulism, Foodborne, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	1	0.0*	0	0.0*	5	0.0*	15	0.0*	2	0.0*
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	0	-	0	-
ALAMEDA	0	-	0	-	0	-	0	-	0	-
BERKELEY	0	-	0	-	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	1	4.5*	0	-
CONTRA COSTA	0	-	0	-	1	0.1*	1	0.1*	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-
FRESNO	0	-	0	-	0	-	0	-	0	-
GLENN	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	1	0.7*
IMPERIAL	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	0	-	0	-	0	-
KINGS	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	0	-	0	-	0	-	0	-	0	-
LOS ANGELES	0	-	0	-	0	-	0	-	0	-
LONG BEACH	0	-	0	-	0	-	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-
MARIN	0	-	0	-	0	-	0	-	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	0	-	1	0.2*	0	-	0	-
NAPA	0	-	0	-	0	-	1	0.7*	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-
ORANGE	0	-	0	-	0	-	2	0.1*	0	-
PLACER	0	-	0	-	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	0	-	1	0.0*	0	-
SACRAMENTO	0	-	0	-	0	-	4	0.3*	0	-
SAN BENITO	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	0	-	0	-	0	-	0	-	0	-
SAN DIEGO	0	-	0	-	1	0.0*	0	-	0	-
SAN FRANCISCO	0	-	0	-	0	-	0	-	0	-
SAN JOAQUIN	0	-	0	-	0	-	4	0.5*	0	-
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-
SAN MATEO	0	-	0	-	0	-	0	-	0	-
SANTA BARBARA	0	-	0	-	0	-	0	-	0	-
SANTA CLARA	0	-	0	-	2	0.1*	0	-	0	-
SANTA CRUZ	0	-	0	-	0	-	0	-	0	-
SHASTA	0	-	0	-	0	-	0	-	1	0.6*
SIERRA	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-
SOLANO	0	-	0	-	0	-	1	0.2*	0	-
SONOMA	0	-	0	-	0	-	0	-	0	-
STANISLAUS	0	-	0	-	0	-	0	-	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-
TULARE	1	0.2*	0	-	1	0.2*	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-
VENTURA	0	-	0	-	0	-	0	-	0	-
YOLO	0	-	0	-	0	-	0	-	0	-
YUBA	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

## Botulism, Foodborne

Botulism, Foodborne, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	1	0	1	5	15	0	2	0	1	
JANUARY	0	0	0	0	0	0	1	0	0	
FEBRUARY	0	0	0	0	1	0	0	0	0	
MARCH	0	0	0	0	1	0	0	0	0	
APRIL	0	0	1	1	9	0	0	0	0	
MAY	0	0	0	0	3	0	0	0	0	
JUNE	0	0	0	1	0	0	0	0	0	
JULY	0	0	0	0	0	0	0	0	0	
AUGUST	0	0	0	0	1	0	1	0	0	
SEPTEMBER	0	0	0	0	0	0	0	0	0	
OCTOBER	0	0	0	2	0	0	0	0	1	
NOVEMBER	1	0	0	1	0	0	0	0	0	
DECEMBER	0	0	0	0	0	0	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

Botulism, Foodborne, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	1	0.0*	0	-	1	0.0*	5	0.0*	15	0.0*	0	-	2	0.0*	0	-	1	0.0*
FEMALE	1	0.0*	0	-	0	-	3	0.0*	7	0.0*	0	-	1	0.0*	0	-	0	-
MALE	0	-	0	-	1	0.0*	2	0.0*	8	0.0*	0	-	1	0.0*	0	-	1	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Botulism, Foodborne, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	1	0.0*	0	-	1	0.0*	5	0.0*	15	0.0*	0	-	2	0.0*	0	-	1	0.0*
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
10-14	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
15-24	0	-	0	-	0	-	0	-	3	0.1*	0	-	0	-	0	-	0	-
25-34	0	-	0	-	0	-	0	-	2	0.0*	0	-	0	-	0	-	1	0.0*
35-44	1	0.0*	0	-	0	-	0	-	4	0.1*	0	-	0	-	0	-	0	-
45-54	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
55-64	0	-	0	-	0	-	2	0.0*	2	0.0*	0	-	0	-	0	-	0	-
65+	0	-	0	-	1	0.0*	3	0.1*	4	0.1*	0	-	2	0.0*	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

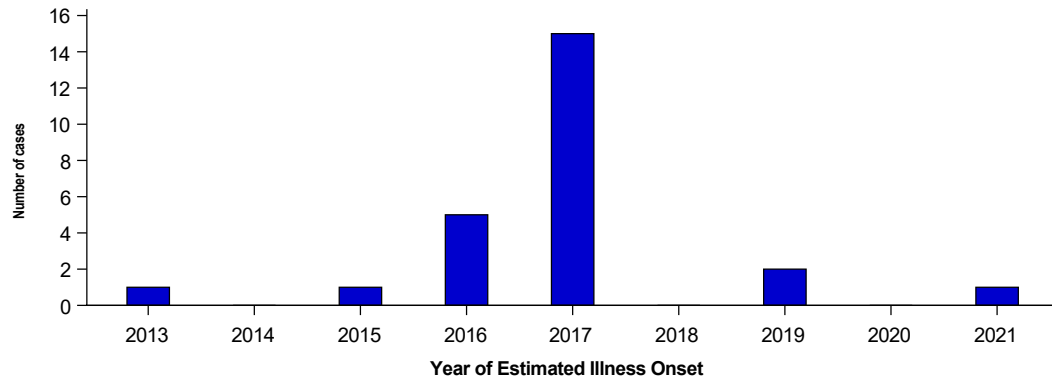
\*Potentially unreliable rate: relative standard error 23 percent or more.

Botulism, Foodborne, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	1	0	1	5	15	0	2	0	1	
WHITE, NON-HISPANIC	0	0	0	2	1	0	2	0	0	
HISPANIC/LATINO	1	0	0	0	8	0	0	0	1	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	0	0	1	3	4	0	0	0	0	
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	1	0	0	0	0	
OTHER, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
UNKNOWN	0	0	0	0	1	0	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Botulism, Foodborne Cases by Year of Estimated Illness Onset, California, 2013-2021



# Botulism, Wound

## Botulism, Wound, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
<b>CALIFORNIA TOTAL</b>	14	0.0*	26	0.1	17	0.0*	26	0.1	22	0.1	50	0.1	30	0.1	42	0.1	49	0.1
<b>ALAMEDA COUNTY TOTAL</b>	0	-	3	0.2*	1	0.1*	0	-	0	-	0	-	1	0.1*	0	-	0	-
ALAMEDA	0	-	3	0.2*	1	0.1*	0	-	0	-	0	-	1	0.1*	0	-	0	-
BERKELEY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	0	-	0	-	1	0.4*	0	-	2	1.0*	3	1.3*
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	0	-	0	-	1	0.1*	0	-	0	-	1	0.1*	0	-	0	-	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
FRESNO	0	-	1	0.1*	0	-	3	0.3*	2	0.2*	3	0.3*	1	0.1*	0	-	4	0.4*
GLENN	0	-	0	-	0	-	0	-	0	-	1	3.5*	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	0	-	0	-	2	1.5*	0	-
IMPERIAL	0	-	0	-	0	-	0	-	0	-	2	1.1*	1	0.5*	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	1	0.1*	1	0.1*	0	-	1	0.1*	2	0.2*	1	0.1*	1	0.1*	0	-
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.6*
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
<b>LOS ANGELES COUNTY TOTAL</b>	4	0.0*	1	0.0*	2	0.0*	6	0.1*	1	0.0*	8	0.1*	6	0.1*	9	0.1*	7	0.1*
LOS ANGELES	4	0.0*	1	0.0*	2	0.0*	6	0.1*	1	0.0*	8	0.1*	6	0.1*	9	0.1*	6	0.1*
LONG BEACH	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	1	0.6*	0	-	0	-	0	-
MARIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	1	1.1*	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-	0	-
NAPA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	0	-	3	0.1*	3	0.1*	3	0.1*	1	0.0*	1	0.0*	0	-	1	0.0*	2	0.1*
PLACER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	2	0.1*	2	0.1*	3	0.1*	3	0.1*	3	0.1*	2	0.1*	2	0.1*	3	0.1*
SACRAMENTO	1	0.1*	3	0.2*	0	-	1	0.1*	1	0.1*	4	0.3*	1	0.1*	6	0.4*	7	0.4*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	3	0.1*	3	0.1*	2	0.1*	3	0.1*	5	0.2*	4	0.2*	7	0.3*	3	0.1*	8	0.4*
SAN DIEGO	0	-	2	0.1*	0	-	0	-	4	0.1*	7	0.2*	2	0.1*	0	-	1	0.0*
SAN FRANCISCO	1	0.1*	0	-	0	-	0	-	0	-	0	-	2	0.2*	0	-	0	-
SAN JOAQUIN	1	0.1*	0	-	0	-	1	0.1*	1	0.1*	0	-	0	-	1	0.1*	4	0.5*
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*
SAN MATEO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA BARBARA	0	-	1	0.2*	2	0.5*	0	-	1	0.2*	1	0.2*	1	0.2*	2	0.4*	2	0.4*
SANTA CLARA	2	0.1*	1	0.1*	0	-	1	0.1*	0	-	3	0.2*	1	0.1*	3	0.2*	1	0.1*
SANTA CRUZ	1	0.4*	0	-	0	-	2	0.7*	0	-	0	-	1	0.4*	1	0.4*	1	0.4*
SHASTA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-	0	-
SONOMA	1	0.2*	1	0.2*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
STANISLAUS	0	-	1	0.2*	2	0.4*	0	-	0	-	3	0.5*	3	0.5*	3	0.5*	1	0.2*
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	1	1.6*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	0	-	1	0.2*	0	-	1	0.2*	0	-	1	0.2*	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.9*	0	-
VENTURA	0	-	2	0.2*	1	0.1*	1	0.1*	1	0.1*	3	0.4*	0	-	3	0.4*	3	0.4*
YOLO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.5*	0	-
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Note: The 2014 Santa Clara case was a Santa Clara resident who was diagnosed, treated, and tested out of state.

## Botulism, Wound

### Botulism, Wound, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	14	26	17	26	22	50	30	42	49	
JANUARY	2	2	0	0	1	4	0	4	2	
FEBRUARY	0	2	2	5	1	2	4	0	6	
MARCH	1	2	3	4	0	3	1	1	8	
APRIL	2	5	0	1	1	6	2	3	1	
MAY	2	1	3	4	4	4	1	3	3	
JUNE	2	3	1	4	0	5	2	2	5	
JULY	1	2	2	1	4	2	4	3	6	
AUGUST	0	0	2	0	4	6	2	2	3	
SEPTEMBER	0	2	1	4	3	6	6	3	6	
OCTOBER	1	0	0	1	2	5	5	7	3	
NOVEMBER	2	5	3	0	1	4	1	8	0	
DECEMBER	1	2	0	2	1	3	2	6	6	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Botulism, Wound, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	14	0.0*	26	0.1	17	0.0*	26	0.1	22	0.1	50	0.1	30	0.1	42	0.1	49	0.1
FEMALE	2	0.0*	6	0.0*	3	0.0*	7	0.0*	5	0.0*	14	0.1*	4	0.0*	8	0.0*	10	0.0*
MALE	12	0.1*	20	0.1	14	0.1*	19	0.1	17	0.1*	36	0.2	26	0.1	33	0.2	39	0.2
UNKNOWN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Botulism, Wound, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	14	0.0*	26	0.1	17	0.0*	26	0.1	22	0.1	50	0.1	30	0.1	42	0.1	49	0.1
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
10-14	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-
15-24	1	0.0*	3	0.1*	1	0.0*	0	-	0	-	1	0.0*	0	-	0	-	1	0.0*
25-34	2	0.0*	6	0.1*	1	0.0*	5	0.1*	3	0.1*	10	0.2*	7	0.1*	9	0.2*	10	0.2*
35-44	1	0.0*	5	0.1*	2	0.0*	4	0.1*	5	0.1*	11	0.2*	6	0.1*	11	0.2*	7	0.1*
45-54	4	0.1*	3	0.1*	3	0.1*	11	0.2*	6	0.1*	13	0.3*	9	0.2*	8	0.2*	6	0.1*
55-64	6	0.1*	8	0.2*	10	0.2*	4	0.1*	5	0.1*	13	0.3*	7	0.1*	14	0.3*	22	0.4
65+	0	-	1	0.0*	0	-	2	0.0*	2	0.0*	2	0.0*	1	0.0*	0	-	3	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

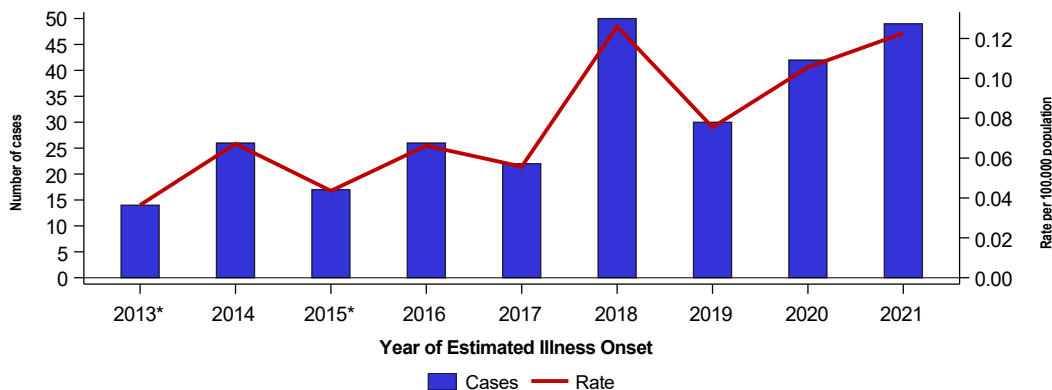
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Botulism, Wound, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	14	26	17	26	22	50	30	42	49	
WHITE, NON-HISPANIC	5	11	4	11	8	22	12	18	20	
HISPANIC/LATINO	8	10	7	10	9	19	8	13	17	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	0	0	0	0	0	0	0	0	1	
BLACK, NON-HISPANIC	0	1	0	0	0	2	0	1	1	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
OTHER, NON-HISPANIC	0	0	0	0	0	0	2	2	2	
UNKNOWN	1	4	6	5	5	7	8	8	8	

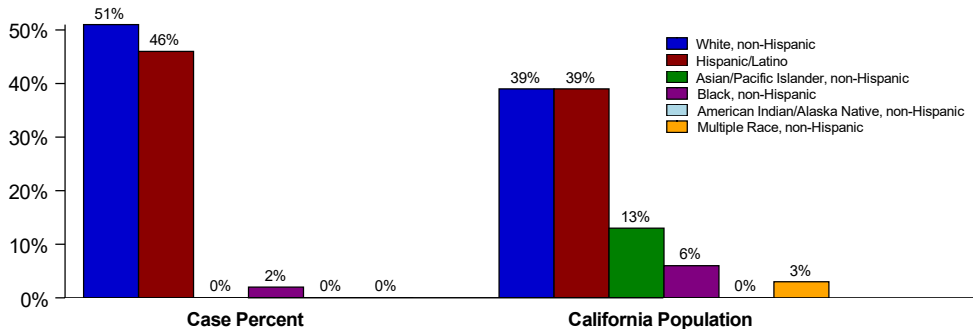
For inclusion/exclusion criteria, please refer to the Technical Notes.

### Botulism, Wound Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021



\*Potentially unreliable rate: relative standard error 23 percent or more.

### Botulism, Wound Cases and Population by Race/Ethnicity, California, 2013-2021



18.8% (n=52) of reported incidents of Botulism, Wound did not identify race/ethnicity and 2.2% (n=6) of incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

# Botulism, Other

## Botulism, Other, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	0		1	0.0*	0		0		3	0.0*	0		0		1	0.0*	3	0.0*
ALAMEDA COUNTY TOTAL	0		0		0		0		0		0		0		1	0.1*	0	
ALAMEDA	0		0		0		0		0		0		0		1	0.1*	0	
BERKELEY	0		0		0		0		0		0		0		0		0	
ALPINE	0		0		0		0		0		0		0		0		0	
AMADOR	0		0		0		0		0		0		0		0		0	
BUTTE	0		0		0		0		0		0		0		0		0	
CALAVERAS	0		0		0		0		0		0		0		0		0	
COLUSA	0		0		0		0		0		0		0		0		0	
CONTRA COSTA	0		0		0		0		0		0		0		0		0	
DEL NORTE	0		0		0		0		0		0		0		0		0	
EL DORADO	0		0		0		0		0		0		0		0		0	
FRESNO	0		0		0		0		0		0		0		0		0	
GLENN	0		0		0		0		0		0		0		0		0	
HUMBOLDT	0		0		0		0		0		0		0		0		0	
IMPERIAL	0		0		0		0		0		0		0		0		0	
INYO	0		0		0		0		0		0		0		0		0	
KERN	0		0		0		0		0		0		0		0		0	
KINGS	0		0		0		0		0		0		0		0		0	
LAKE	0		0		0		0		0		0		0		0		0	
LASSEN	0		0		0		0		0		0		0		0		0	
LOS ANGELES COUNTY TOTAL	0		0		0		0		2	0.0*	0		0		0		0	
LOS ANGELES	0		0		0		0		2	0.0*	0		0		0		0	
LONG BEACH	0		0		0		0		0		0		0		0		0	
PASADENA	0		0		0		0		0		0		0		0		0	
MADERA	0		0		0		0		0		0		0		0		0	
MARIN	0		0		0		0		0		0		0		0		0	
MARIPOSA	0		0		0		0		0		0		0		0		0	
MENDOCINO	0		0		0		0		0		0		0		0		0	
MERCED	0		0		0		0		0		0		0		0		0	
MODOC	0		0		0		0		0		0		0		0		0	
MONO	0		0		0		0		0		0		0		0		0	
MONTEREY	0		0		0		0		0		0		0		0		0	
NAPA	0		0		0		0		0		0		0		0		0	
NEVADA	0		0		0		0		0		0		0		0		0	
ORANGE	0		1	0.0*	0		0		0		0		0		0		1	0.0*
PLACER	0		0		0		0		0		0		0		0		0	
PLUMAS	0		0		0		0		0		0		0		0		0	
RIVERSIDE	0		0		0		0		0		0		0		0		0	
SACRAMENTO	0		0		0		0		0		0		0		0		1	0.1*
SAN BENITO	0		0		0		0		0		0		0		0		0	
SAN BERNARDINO	0		0		0		0		0		0		0		0		0	
SAN DIEGO	0		0		0		0		1	0.0*	0		0		0		0	
SAN FRANCISCO	0		0		0		0		0		0		0		0		0	
SAN JOAQUIN	0		0		0		0		0		0		0		0		0	
SAN LUIS OBISPO	0		0		0		0		0		0		0		0		0	
SAN MATEO	0		0		0		0		0		0		0		0		0	
SANTA BARBARA	0		0		0		0		0		0		0		0		0	
SANTA CLARA	0		0		0		0		0		0		0		0		1	0.1*
SANTA CRUZ	0		0		0		0		0		0		0		0		0	
SHASTA	0		0		0		0		0		0		0		0		0	
SIERRA	0		0		0		0		0		0		0		0		0	
SISKIYOU	0		0		0		0		0		0		0		0		0	
SOLANO	0		0		0		0		0		0		0		0		0	
SONOMA	0		0		0		0		0		0		0		0		0	
STANISLAUS	0		0		0		0		0		0		0		0		0	
SUTTER	0		0		0		0		0		0		0		0		0	
TEHAMA	0		0		0		0		0		0		0		0		0	
TRINITY	0		0		0		0		0		0		0		0		0	
TULARE	0		0		0		0		0		0		0		0		0	
TUOLUMNE	0		0		0		0		0		0		0		0		0	
VENTURA	0		0		0		0		0		0		0		0		0	
YOLO	0		0		0		0		0		0		0		0		0	
YUBA	0		0		0		0		0		0		0		0		0	

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.

## Botulism, Other

Botulism, Other, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	0	1	0	0	3	0	0	1	3	
JANUARY	0	0	0	0	0	0	0	0	0	
FEBRUARY	0	0	0	0	0	0	0	0	0	
MARCH	0	1	0	0	0	0	0	0	0	
APRIL	0	0	0	0	0	0	0	0	0	
MAY	0	0	0	0	1	0	0	1	1	
JUNE	0	0	0	0	0	0	0	0	1	
JULY	0	0	0	0	0	0	0	0	0	
AUGUST	0	0	0	0	0	0	0	0	0	
SEPTEMBER	0	0	0	0	0	0	0	0	0	
OCTOBER	0	0	0	0	0	0	0	0	0	
NOVEMBER	0	0	0	0	2	0	0	0	0	
DECEMBER	0	0	0	0	0	0	0	0	1	

For inclusion/exclusion criteria, please refer to the Technical Notes.

Botulism, Other, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	0	1 0.0*	0	0	3	0.0*	0	0	1	0.0*	3	0.0*	0	0	1	0.0*	3	0.0*
FEMALE	0	0	0	0	2	0.0*	0	0	0	0	0	0	0	0	0	0	3	0.0*
MALE	0	1 0.0*	0	0	1	0.0*	0	0	0	0	0	0	0	1	0.0*	0	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Botulism, Other, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	0	1 0.0*	0	0	3	0.0*	0	0	1	0.0*	3	0.0*	0	0	1	0.0*	3	0.0*
0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
1-4	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
5-9	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
10-14	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
15-24	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
25-34	0	0	0	0	0	0	1 0.0*	0	0	0	0	0	0	1 0.0*	1	0.0*	1	0.0*
35-44	0	0	0	0	0	0	1 0.0*	0	0	0	0	0	0	0	0	0	1	0.0*
45-54	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
55-64	0	1 0.0*	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0	-
65+	0	0	0	0	0	0	1 0.0*	0	0	0	0	0	0	0	0	0	1	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Botulism, Other, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	0	1	0	0	3	0	0	1	3	
WHITE, NON-HISPANIC	0	1	0	0	2	0	0	0	3	
HISPANIC/LATINO	0	0	0	0	0	0	0	0	0	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
BLACK, NON-HISPANIC	0	0	0	0	1	0	0	1	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
OTHER, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
UNKNOWN	0	0	0	0	0	0	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.



# Brucellosis

## Brucellosis, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	22	0.1	21	0.1	33	0.1	20	0.1	30	0.1	38	0.1	34	0.1	20	0.1	31	0.1
ALAMEDA COUNTY TOTAL	0	-	0	-	3	0.2*	1	0.1*	2	0.1*	0	-	1	0.1*	0	-	1	0.1*
ALAMEDA	0	-	0	-	2	0.1*	1	0.1*	2	0.1*	0	-	1	0.1*	0	-	1	0.1*
BERKELEY	0	-	0	-	1	0.8*	0	-	0	-	0	-	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	1	0.5*	0	-	0	-	0	-	0	-	0	-	1	0.5*	0	-	1	0.4*
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	1	4.6*	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	0	-	0	-	3	0.3*	0	-	0	-	0	-	0	-	0	-	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
FRESNO	2	0.2*	1	0.1*	2	0.2*	0	-	2	0.2*	2	0.2*	3	0.3*	0	-	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
IMPERIAL	0	-	1	0.5*	0	-	0	-	0	-	1	0.5*	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	1	0.1*	0	-	0	-	1	0.1*	2	0.2*	5	0.5*	1	0.1*
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	1	1.5*	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	8	0.1*	6	0.1*	8	0.1*	5	0.0*	9	0.1*	11	0.1*	10	0.1*	4	0.0*	1	0.0*
LOS ANGELES	8	0.1*	6	0.1*	8	0.1*	5	0.1*	9	0.1*	10	0.1*	9	0.1*	4	0.0*	1	0.0*
LONG BEACH	0	-	0	-	0	-	0	-	0	-	1	0.2*	1	0.2*	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	1	0.6*	0	-	0	-
MARIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	1	0.4*	0	-	0	-	1	0.4*	1	0.3*
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	1	0.2*	0	-	1	0.2*	0	-	0	-	0	-	0	-	1	0.2*
NAPA	0	-	0	-	0	-	0	-	2	1.4*	0	-	0	-	0	-	0	-
NEVADA	0	-	1	1.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	0	-	2	0.1*	6	0.2*	2	0.1*	2	0.1*	2	0.1*	2	0.1*	2	0.1*	2	0.1*
PLACER	1	0.3*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	1	0.0*	1	0.0*	1	0.0*	0	-	1	0.0*	0	-	1	0.0*	0	-	2	0.1*
SACRAMENTO	0	-	0	-	0	-	2	0.1*	1	0.1*	1	0.1*	1	0.1*	1	0.1*	1	0.1*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.6*	0	-
SAN BERNARDINO	1	0.0*	0	-	1	0.0*	1	0.0*	2	0.1*	1	0.0*	1	0.0*	2	0.1*	3	0.1*
SAN DIEGO	1	0.0*	1	0.0*	1	0.0*	3	0.1*	4	0.1*	2	0.1*	1	0.0*	0	-	3	0.1*
SAN FRANCISCO	1	0.1*	0	-	0	-	0	-	0	-	5	0.6*	2	0.2*	1	0.1*	0	-
SAN JOAQUIN	2	0.3*	2	0.3*	0	-	0	-	0	-	1	0.1*	1	0.1*	1	0.1*	2	0.3*
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	0	-	1	0.1*	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-
SANTA BARBARA	0	-	1	0.2*	1	0.2*	0	-	0	-	4	0.9*	1	0.2*	1	0.2*	1	0.2*
SANTA CLARA	0	-	0	-	0	-	2	0.1*	1	0.1*	1	0.1*	2	0.1*	0	-	6	0.3*
SANTA CRUZ	1	0.4*	0	-	0	-	1	0.4*	0	-	2	0.7*	0	-	0	-	0	-
SHASTA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SONOMA	1	0.2*	0	-	1	0.2*	0	-	1	0.2*	1	0.2*	0	-	0	-	1	0.2*
STANISLAUS	0	-	1	0.2*	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-	1	1.0*	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	1	0.2*	0	-	0	-	1	0.2*	1	0.2*	0	-	0	-	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	1	0.1*	2	0.2*	1	0.1*	0	-	1	0.1*	2	0.2*	3	0.4*	0	-	0	-
YOLO	0	-	0	-	2	0.9*	0	-	0	-	0	-	0	-	0	-	4	1.8*
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

## Brucellosis

### Brucellosis, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	22	21	33	20	30	38	34	20	31	
JANUARY	2	1	2	2	1	0	3	0	1	
FEBRUARY	0	3	2	3	3	2	2	3	1	
MARCH	2	1	3	5	5	7	2	3	3	
APRIL	2	2	5	3	1	7	4	0	4	
MAY	2	2	5	2	1	6	0	1	1	
JUNE	4	1	3	1	3	3	4	3	3	
JULY	3	1	3	0	5	2	4	3	2	
AUGUST	3	5	1	2	3	3	3	0	2	
SEPTEMBER	1	3	4	2	2	1	2	2	5	
OCTOBER	1	1	3	0	3	1	4	2	5	
NOVEMBER	1	0	2	0	2	2	4	3	1	
DECEMBER	1	1	0	0	1	4	2	0	3	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Brucellosis, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	22	0.1	21	0.1	33	0.1	20	0.1	30	0.1	38	0.1	34	0.1	20	0.1	31	0.1
FEMALE	11	0.1*	8	0.0*	17	0.1*	10	0.1*	14	0.1*	18	0.1*	16	0.1*	9	0.0*	19	0.1
MALE	11	0.1*	13	0.1*	16	0.1*	10	0.1*	16	0.1*	20	0.1	18	0.1*	10	0.1*	12	0.1*
UNKNOWN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Brucellosis, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	22	0.1	21	0.1	33	0.1	20	0.1	30	0.1	38	0.1	34	0.1	20	0.1	31	0.1
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*
1-4	0	-	1	0.0*	0	-	0	-	2	0.1*	1	0.1*	0	-	2	0.1*	1	0.1*
5-9	1	0.0*	1	0.0*	1	0.0*	0	-	1	0.0*	2	0.1*	0	-	0	-	0	-
10-14	1	0.0*	0	-	0	-	1	0.0*	3	0.1*	3	0.1*	2	0.1*	1	0.0*	1	0.0*
15-24	2	0.0*	2	0.0*	4	0.1*	0	-	1	0.0*	2	0.0*	1	0.0*	2	0.0*	1	0.0*
25-34	4	0.1*	3	0.1*	5	0.1*	3	0.1*	3	0.1*	6	0.1*	4	0.1*	2	0.0*	5	0.1*
35-44	1	0.0*	0	-	5	0.1*	1	0.0*	1	0.0*	4	0.1*	8	0.2*	0	-	3	0.1*
45-54	3	0.1*	2	0.0*	5	0.1*	1	0.0*	3	0.1*	6	0.1*	6	0.1*	2	0.0*	5	0.1*
55-64	5	0.1*	5	0.1*	6	0.1*	5	0.1*	7	0.1*	5	0.1*	3	0.1*	4	0.1*	4	0.1*
65+	5	0.1*	7	0.1*	7	0.1*	9	0.2*	9	0.2*	9	0.2*	10	0.2*	6	0.1*	10	0.2*
UNKNOWN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

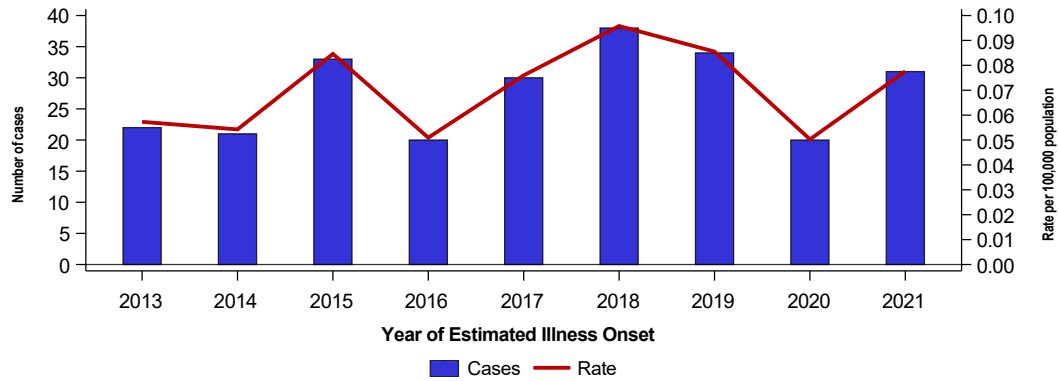
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Brucellosis, Cases by Race/Ethnicity, California, 2013-2021

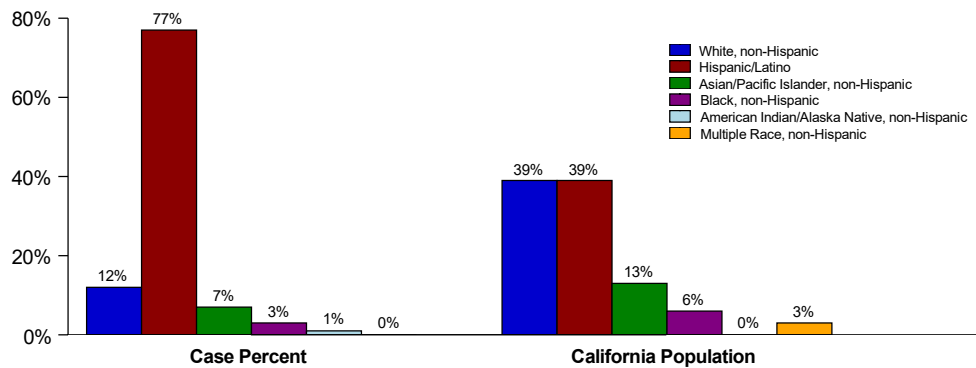
RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	22	21	33	20	30	38	34	20	31	
WHITE, NON-HISPANIC	1	2	3	1	7	4	5	1	3	
HISPANIC/LATINO	18	15	24	15	16	29	23	13	17	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	2	0	1	2	2	2	1	4	2	
BLACK, NON-HISPANIC	0	0	1	0	0	0	2	0	3	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	2	0	0	
MULTIPLE RACE, NON-HISPANIC	0	1	0	0	0	0	0	0	0	
OTHER, NON-HISPANIC	1	1	0	2	2	1	0	0	3	
UNKNOWN	0	2	4	0	3	2	1	2	3	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Brucellosis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021



### Brucellosis Cases and Population by Race/Ethnicity, California, 2013-2021



6.8% (n=17) of reported incidents of Brucellosis did not identify race/ethnicity and 4% (n=10) of incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

# Campylobacteriosis

## Campylobacteriosis, Cases and Rates by Health Jurisdiction, California, 2013-2021

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
<b>CALIFORNIA TOTAL</b>	7,696	20.0	7,941	20.5	8,353	21.4	8,556	21.8	9,490	24.0	9,279	23.4	10,022	25.2	6,334	15.9	7,740	19.4
<b>ALAMEDA COUNTY TOTAL</b>	409	25.9	392	24.5	444	27.4	460	28.1	537	32.5	538	32.4	487	29.2	253	15.1	304	18.1
ALAMEDA	371	25.5	352	23.9	408	27.3	429	28.4	488	32.0	500	32.7	461	30.0	240	15.4	294	19.1
BERKELEY	38	32.6	40	33.9	36	30.1	31	25.8	49	40.4	38	31.2	26	21.3	13	10.2*	10	8.2*
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	6	16.6*	8	22.0*	7	19.4*	7	19.1*	6	16.2*	8	21.2*	3	8.0*	4	10.6*	5	13.2*
BUTTE	38	17.1	42	18.8	61	27.2	101	45.0	97	43.0	94	41.5	103	48.0	89	43.1	80	35.3
CALAVERAS	6	13.3*	11	24.4*	8	17.8*	7	15.6*	14	31.4*	8	17.9*	9	20.3*	1	2.3*	0	-
COLUSA	9	41.7*	7	32.5*	6	27.8*	10	45.7*	9	40.9*	3	13.7*	8	36.3*	3	13.6*	4	17.6*
CONTRA COSTA	260	23.8	226	20.5	222	19.8	307	27.2	308	27.1	329	28.8	334	29.1	180	15.7	203	17.5
DEL NORTE	1	3.6*	3	11.1*	1	3.7*	6	22.4*	4	15.1*	5	18.4*	3	11.0*	8	29.4*	5	18.6*
EL DORADO	32	17.6	31	17.0	34	18.6	36	19.6	52	28.0	43	22.9	32	16.9	41	21.4	26	13.8
FRESNO	419	43.6	350	36.1	350	35.7	308	31.2	343	34.4	281	27.9	315	30.9	247	24.1	249	24.4
GLENN	10	35.5*	10	35.3*	10	35.4*	4	14.1*	9	31.6*	5	17.5*	5	17.2*	8	27.1*	12	41.1*
HUMBOLDT	30	22.3	35	26.1	23	17.1	35	25.9	17	12.6*	15	11.1*	40	29.9	22	16.6	18	13.4*
IMPERIAL	50	27.8	43	23.6	33	17.9	28	15.1	38	20.3	46	24.5	83	43.9	90	47.8	85	44.4
INYO	2	10.8*	5	26.8*	1	5.4*	2	10.7*	2	10.8*	5	27.0*	1	5.4*	7	38.0*	11	60.5*
KERN	344	39.6	353	40.3	305	34.6	223	25.2	336	37.6	220	24.4	265	29.1	209	22.9	238	25.9
KINGS	17	11.3*	35	23.5	33	22.1	34	22.9	38	25.3	46	30.1	34	22.1	32	20.7	35	22.6
LAKE	4	6.2*	8	12.3*	7	10.8*	13	20.2*	13	20.1*	9	13.9*	13	20.3*	13	20.4*	15	23.4*
LASSEN	0	-	4	12.8*	3	9.9*	8	26.9*	1	3.4*	4	13.5*	5	17.3*	3	10.4*	1	3.3*
<b>LOS ANGELES COUNTY TOTAL</b>	1,785	17.8	1,573	15.6	1,718	16.9	1,655	16.2	1,862	18.2	2,002	19.6	2,250	22.0	1,442	14.2	1,917	18.8
LOS ANGELES	1,675	17.8	1,479	15.6	1,616	17.0	1,551	16.3	1,769	18.5	1,877	19.6	2,125	22.3	1,372	14.4	1,823	19.2
LONG BEACH	61	12.9	62	13.1	68	14.3	74	15.6	56	11.8	90	19.0	87	18.4	47	10.1	77	16.7
PASADENA	49	34.8	32	22.6	34	24.0	30	21.1	37	25.7	35	24.2	38	26.2	23	16.5	17	12.2*
MADERA	51	33.6	63	41.0	51	33.1	54	34.9	50	32.0	59	37.4	59	37.4	39	24.6	72	44.7
MARIN	60	23.1	102	39.0	139	53.0	103	39.2	134	51.1	119	45.4	108	41.4	48	18.5	65	25.2
MARIPOSA	1	5.5*	5	27.6*	3	16.6*	3	16.6*	1	5.6*	0	-	2	11.2*	3	16.9*	3	17.1*
MENDOCINO	32	36.4	26	29.4	39	44.3	27	30.5	32	36.1	41	46.3	46	52.2	51	58.3	42	47.6
MERCED	55	20.8	70	26.2	71	26.4	80	29.5	54	19.6	64	23.0	78	27.7	61	21.4	49	17.1
MODOC	1	10.4*	2	20.9*	1	10.5*	0	-	1	10.5*	0	-	2	21.1*	3	31.9*	3	32.0*
MONO	3	21.7*	6	43.3*	5	36.4*	6	44.0*	5	36.7*	8	59.1*	4	29.4*	7	52.1*	1	7.2*
MONTEREY	78	18.3	76	17.7	69	15.9	56	12.8	68	15.5	64	14.5	77	17.4	63	14.3	73	16.4
NAPA	31	22.2	42	29.8	56	39.6	54	38.1	34	24.1	61	43.5	43	30.7	34	24.5	28	20.1
NEVADA	12	12.3*	9	9.2*	14	14.3*	16	16.4*	14	14.3*	24	24.5	23	23.5	14	14.4*	35	35.7
ORANGE	359	11.5	394	12.6	396	12.6	484	15.3	523	16.4	556	17.4	631	19.7	326	10.2	457	14.2
PLACER	66	18.1	67	18.2	72	19.4	80	21.2	78	20.4	82	21.1	105	26.6	64	16.1	64	16.1
PLUMAS	1	5.3*	1	5.4*	4	21.9*	2	10.9*	0	-	1	5.5*	1	5.4*	1	5.5*	3	15.7*
RIVERSIDE	220	9.7	230	10.0	258	11.1	247	10.5	342	14.4	314	13.0	319	13.1	206	8.4	404	16.3
SACRAMENTO	259	17.8	238	16.2	313	21.0	316	21.0	388	25.6	359	23.4	376	24.3	254	16.3	276	17.7
SAN BENITO	5	8.7*	6	10.4*	6	10.3*	12	20.3*	7	11.7*	21	34.6	39	62.9	20	31.9	6	9.7*
SAN BERNARDINO	195	9.3	225	10.7	230	10.9	211	9.9	265	12.3	253	11.7	274	12.6	168	7.7	223	10.1
SAN DIEGO	589	18.3	841	25.9	646	19.7	789	23.9	884	26.7	831	24.9	999	29.8	635	18.9	901	26.9
SAN FRANCISCO	394	46.5	389	45.3	517	59.5	458	52.1	422	47.6	465	52.0	448	49.9	235	26.1	252	28.2
SAN JOAQUIN	187	26.5	207	28.9	251	34.5	230	31.2	259	34.6	234	30.9	233	30.3	162	20.9	138	17.8
SAN LUIS OBISPO	79	28.8	72	26.1	75	27.1	62	22.3	70	25.2	47	16.9	51	18.4	33	11.9	43	15.4
SAN MATEO	206	27.4	220	29.0	242	31.6	270	35.1	294	38.1	260	33.6	286	36.9	149	19.2	175	22.6
SANTA BARBARA	101	23.2	115	26.2	113	25.5	113	25.3	108	24.1	99	22.0	125	27.7	80	17.7	125	27.6
SANTA CLARA	423	22.6	399	21.0	487	25.3	561	28.9	569	29.2	531	27.1	563	28.7	272	13.9	323	16.4
SANTA CRUZ	53	19.5	57	20.9	88	32.1	75	27.2	87	31.7	80	29.3	70	25.7	45	16.7	50	18.2
SHASTA	22	12.3	30	16.7	23	12.9	21	11.8	29	16.3	24	13.5	28	15.8	22	12.4	35	19.8
SIERRA	0	-	0	-	1	31.7*	1	31.8*	0	-	0	-	1	32.0*	0	-	0	-
SISKIYOU	9	20.1*	18	40.3*	15	33.7*	21	47.3	5	11.3*	8	18.1*	7	15.9*	2	4.6*	4	9.2*
SOLANO	70	16.6	84	19.7	116	27.0	154	35.6	136	31.2	127	29.0	112	25.5	86	19.5	70	15.7
SONOMA	136	27.5	140	28.1	52	10.4	60	11.9	184	36.6	191	38.3	187	37.8	110	22.4	119	23.8
STANISLAUS	116	22.0	190	35.8	190	35.4	206	38.0	229	41.8	217	39.3	242	43.7	138	24.8	113	20.1
SUTTER	24	24.9	26	27.1	24	24.8	22	22.5	17	17.1*	22	21.8	26	25.3	15	14.8*	13	13.1*
TEHAMA	18	28.6*	16	25.4*	23	36.3	19	29.7	14	21.9*	18	27.9*	26	39.9	16	24.5*	11	17.2*
TRINITY	1	7.3*	3	22.0*	2	14.8*	0	-	0	-	2	14.9*	1	7.5*	0	-	0	-
TULARE	193	42.3	175	38.1	207	44.6	216	46.3	158	33.6	99	20.9	129	27.0	100	20.8	113	23.5
TUOLUMNE	5	9.2*	3	5.6*	6	11.2*	11	20.6*	7	13.2*	6	11.4*	4	7.6*	2	3.8*	10	19.3*
VENTURA	148	17.6	164	19.4	203	23.9	203	23.9	260	30.6	259	30.5	235	27.8	161	19.1	176	20.7
YOLO	50	24.0	71	33.9	63	29.7	54	25.0	57	26.1	58	26.3	50	22.7	40	18.0	36	15.9
YUBA	21	28.6	23	31.2	16	21.5*	15	19.9*	19	24.9	14	18.2*	22	28.2	17	21.5*	21	26.9

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

## Campylobacteriosis

### Campylobacteriosis, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
<b>TOTAL</b>	7,696	7,941	8,353	8,556	9,490	9,279	10,022	6,334	7,740	
JANUARY	537	508	571	591	694	582	784	802	366	
FEBRUARY	403	387	483	469	560	531	577	592	421	
MARCH	481	450	597	490	608	610	662	437	479	
APRIL	595	558	712	632	700	708	736	292	615	
MAY	727	715	729	731	920	815	863	499	740	
JUNE	848	805	800	950	1,085	964	1,093	624	971	
JULY	945	889	840	975	1,075	1,044	1,254	586	888	
AUGUST	830	925	827	903	978	1,013	1,121	571	728	
SEPTEMBER	663	721	766	759	854	748	822	584	618	
OCTOBER	656	800	784	741	798	814	808	570	659	
NOVEMBER	534	594	676	675	719	778	683	442	692	
DECEMBER	477	589	568	640	499	672	619	335	563	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Campylobacteriosis, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
<b>TOTAL</b>	7,696	20.0	7,941	20.5	8,353	21.4	8,556	21.8	9,490	24.0	9,279	23.4	10,022	25.2	6,334	15.9	7,740	19.4
FEMALE	3,423	17.8	3,494	18.0	3,780	19.3	3,850	19.6	4,387	22.2	4,282	21.5	4,594	23.1	2,938	14.7	3,676	18.4
MALE	4,073	21.3	4,183	21.7	4,528	23.3	4,688	23.9	5,076	25.8	4,981	25.2	5,399	27.2	3,378	17.0	4,044	20.3
UNKNOWN	200	-	264	-	45	-	18	-	27	-	16	-	29	-	18	-	20	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Campylobacteriosis, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
<b>TOTAL</b>	7,696	20.0	7,941	20.5	8,353	21.4	8,556	21.8	9,490	24.0	9,279	23.4	10,022	25.2	6,334	15.9	7,740	19.4
0	222	44.5	181	36.4	203	40.7	183	37.6	173	36.0	159	34.6	163	36.5	137	31.0	145	33.1
1-4	894	44.4	874	43.5	803	40.0	766	38.3	789	39.7	716	36.4	768	39.9	671	36.0	760	41.7
5-9	552	21.3	519	20.0	506	19.6	493	19.1	491	19.2	412	16.2	464	18.3	376	14.9	398	15.9
10-14	303	11.9	398	15.6	368	14.4	361	14.1	387	15.0	373	14.3	380	14.6	264	10.2	284	11.0
15-24	961	16.7	1,022	17.6	1,066	18.3	1,058	18.2	1,191	20.6	1,147	19.9	1,145	20.0	661	11.6	824	14.5
25-34	1,102	20.6	1,101	20.7	1,303	24.7	1,344	25.7	1,474	28.3	1,442	27.7	1,617	31.2	966	18.7	1,222	23.5
35-44	865	16.8	873	17.0	961	18.7	967	18.8	1,158	22.3	1,124	21.5	1,220	23.2	747	14.2	960	18.3
45-54	893	17.1	898	17.1	979	18.7	1,083	20.7	1,134	21.7	1,222	23.6	1,250	24.5	727	14.4	888	17.7
55-64	801	18.1	888	19.6	977	21.0	1,051	22.1	1,192	24.7	1,199	24.5	1,376	28.0	803	16.3	878	17.9
65+	1,054	21.9	1,146	22.8	1,169	22.3	1,223	22.5	1,479	26.2	1,458	24.9	1,620	26.7	964	15.3	1,371	21.0
UNKNOWN	49	-	41	-	18	-	27	-	22	-	27	-	19	-	18	-	10	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

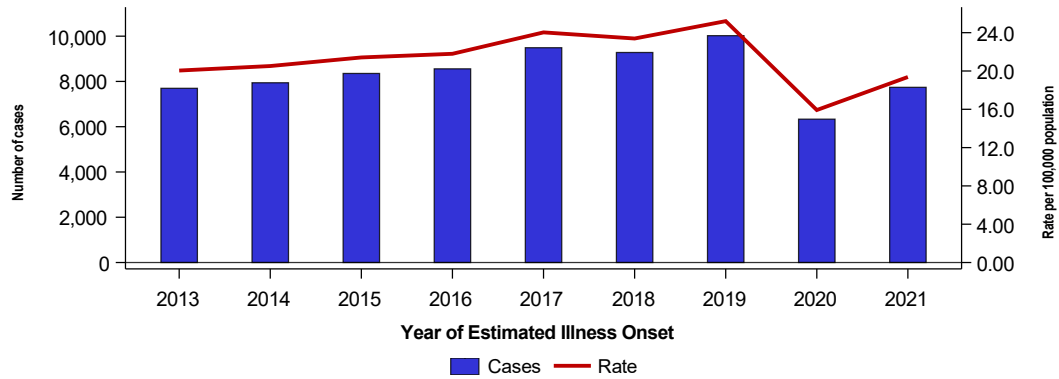
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Campylobacteriosis, Cases by Race/Ethnicity, California, 2013-2021

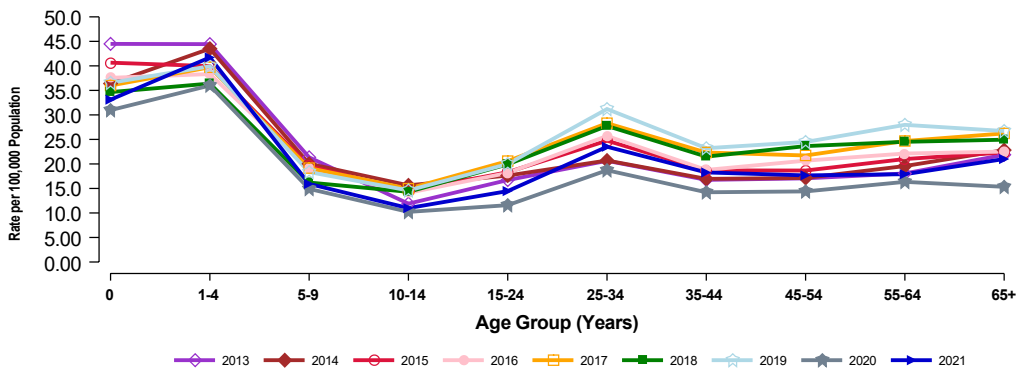
RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
<b>TOTAL</b>	7,696	7,941	8,353	8,556	9,490	9,279	10,022	6,334	7,740	
WHITE, NON-HISPANIC	1,465	1,559	2,203	2,415	3,133	2,831	3,227	1,957	2,363	
HISPANIC/LATINO	1,134	1,257	1,288	1,496	1,769	1,611	1,839	1,375	2,167	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	238	252	342	470	605	655	766	384	572	
BLACK, NON-HISPANIC	97	107	120	172	192	205	212	155	174	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	17	19	16	11	26	25	26	17	19	
MULTIPLE RACE, NON-HISPANIC	14	11	18	10	12	26	19	9	13	
OTHER, NON-HISPANIC	88	147	320	677	1,097	1,104	1,380	777	950	
UNKNOWN	4,643	4,589	4,046	3,305	2,656	2,822	2,553	1,660	1,482	

For inclusion/exclusion criteria, please refer to the Technical Notes.

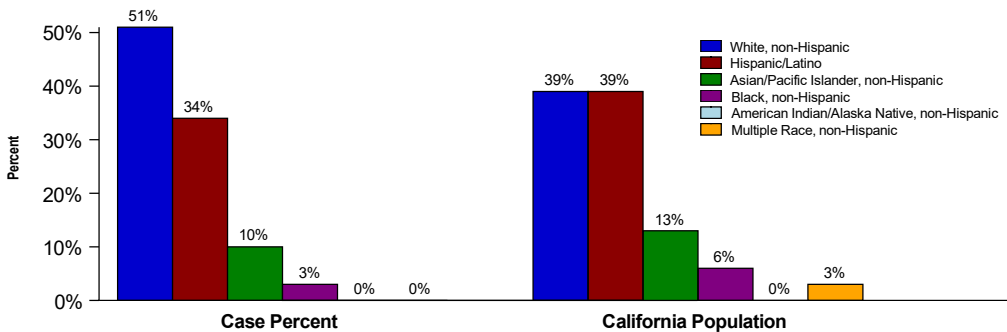
### Campylobacteriosis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021



### Campylobacteriosis Incidence Rates by Age Group and Year of Estimated Illness Onset, California, 2013-2021



### Campylobacteriosis Cases and Population by Race/Ethnicity, California, 2013-2021



36.8% (n=27756) of reported incidents of Campylobacteriosis did not identify race/ethnicity and 8.7% (n=6540) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

# Chikungunya Virus Infection

## Chikungunya Virus Infection, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET													
	2013	2014	2015	2016	2017	2018	2019	2020	2021					
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE				
CALIFORNIA TOTAL	-	-	-	42	36	0.1	28	0.1	35	0.1	5	0.0*	7	0.0*
ALAMEDA COUNTY TOTAL	-	-	-	9	3	0.2*	4	0.2*	5	0.3*	0	-	0	-
ALAMEDA	-	-	-	9	3	0.2*	4	0.3*	5	0.3*	0	-	0	-
BERKELEY	-	-	-	0	0	-	0	-	0	-	0	-	0	-
ALPINE	-	-	-	0	0	-	0	-	0	-	0	-	0	-
AMADOR	-	-	-	0	0	-	0	-	0	-	0	-	0	-
BUTTE	-	-	-	0	0	-	0	-	0	-	0	-	0	-
CALAVERAS	-	-	-	0	0	-	0	-	0	-	0	-	0	-
COLUSA	-	-	-	0	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	-	-	-	1	4	0.4*	1	0.1*	1	0.1*	1	0.1*	0	-
DEL NORTE	-	-	-	0	0	-	0	-	0	-	0	-	0	-
EL DORADO	-	-	-	1	0	-	0	-	0	-	0	-	0	-
FRESNO	-	-	-	1	0	-	0	-	0	-	0	-	0	-
GLENN	-	-	-	0	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	-	-	-	0	0	-	0	-	0	-	0	-	0	-
IMPERIAL	-	-	-	0	0	-	0	-	0	-	0	-	0	-
INYO	-	-	-	0	0	-	0	-	0	-	0	-	0	-
KERN	-	-	-	0	0	-	0	-	1	0.1*	0	-	0	-
KINGS	-	-	-	0	0	-	0	-	0	-	0	-	0	-
LAKE	-	-	-	0	0	-	0	-	0	-	0	-	0	-
LASSEN	-	-	-	0	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	-	-	-	3	11	0.1*	8	0.1*	2	0.0*	1	0.0*	0	-
LOS ANGELES	-	-	-	3	11	0.1*	8	0.1*	2	0.0*	1	0.0*	0	-
LONG BEACH	-	-	-	0	0	-	0	-	0	-	0	-	0	-
PASADENA	-	-	-	0	0	-	0	-	0	-	0	-	0	-
MADERA	-	-	-	0	0	-	0	-	0	-	0	-	0	-
MARIN	-	-	-	0	0	-	0	-	1	0.4*	0	-	1	0.4*
MARIPOSA	-	-	-	0	0	-	0	-	0	-	0	-	0	-
MENDOCINO	-	-	-	0	0	-	0	-	0	-	0	-	0	-
MERCED	-	-	-	0	0	-	0	-	0	-	0	-	0	-
MODOC	-	-	-	0	0	-	0	-	0	-	0	-	0	-
MONO	-	-	-	0	0	-	0	-	0	-	0	-	0	-
MONTEREY	-	-	-	0	0	-	0	-	0	-	0	-	0	-
NAPA	-	-	-	0	0	-	0	-	0	-	0	-	0	-
NEVADA	-	-	-	0	0	-	0	-	1	1.0*	0	-	0	-
ORANGE	-	-	-	1	2	0.1*	0	-	2	0.1*	1	0.0*	0	-
PLACER	-	-	-	0	0	-	0	-	0	-	0	-	1	0.3*
PLUMAS	-	-	-	0	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	-	-	-	0	0	-	0	-	2	0.1*	0	-	0	-
SACRAMENTO	-	-	-	0	1	0.1*	1	0.1*	1	0.1*	0	-	0	-
SAN BENITO	-	-	-	0	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	-	-	-	2	0	-	0	-	0	-	1	0.0*	0	-
SAN DIEGO	-	-	-	4	3	0.1*	5	0.1*	4	0.1*	0	-	1	0.0*
SAN FRANCISCO	-	-	-	2	0	-	1	0.1*	3	0.3*	0	-	1	0.1*
SAN JOAQUIN	-	-	-	0	1	0.1*	0	-	0	-	0	-	0	-
SAN LUIS OBISPO	-	-	-	0	0	-	0	-	1	0.4*	0	-	0	-
SAN MATEO	-	-	-	4	1	0.1*	1	0.1*	1	0.1*	0	-	1	0.1*
SANTA BARBARA	-	-	-	0	0	-	0	-	1	0.2*	0	-	0	-
SANTA CLARA	-	-	-	12	10	0.5*	5	0.3*	9	0.5*	1	0.1*	2	0.1*
SANTA CRUZ	-	-	-	0	0	-	0	-	0	-	0	-	0	-
SHASTA	-	-	-	0	0	-	0	-	0	-	0	-	0	-
SIERRA	-	-	-	0	0	-	0	-	0	-	0	-	0	-
SISKIYOU	-	-	-	0	0	-	0	-	0	-	0	-	0	-
SOLANO	-	-	-	0	0	-	0	-	0	-	0	-	0	-
SONOMA	-	-	-	0	0	-	0	-	0	-	0	-	0	-
STANISLAUS	-	-	-	0	0	-	1	0.2*	0	-	0	-	0	-
SUTTER	-	-	-	1	0	-	0	-	0	-	0	-	0	-
TEHAMA	-	-	-	0	0	-	1	1.6*	0	-	0	-	0	-
TRINITY	-	-	-	0	0	-	0	-	0	-	0	-	0	-
TULARE	-	-	-	0	0	-	0	-	0	-	0	-	0	-
TUOLUMNE	-	-	-	0	0	-	0	-	0	-	0	-	0	-
VENTURA	-	-	-	1	0	-	0	-	0	-	0	-	0	-
YOLO	-	-	-	0	0	-	0	-	0	-	0	-	0	-
YUBA	-	-	-	0	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.  
 Note: Required reporting of Chikungunya Virus Infection began June 1, 2016.

## Chikungunya Virus Infection

### Chikungunya Virus Infection, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	-	-	-	42	36	28	35	5	7	
JANUARY	-	-	-	-	3	1	2	3	1	
FEBRUARY	-	-	-	-	2	0	1	0	0	
MARCH	-	-	-	-	3	2	0	0	0	
APRIL	-	-	-	-	1	0	1	0	0	
MAY	-	-	-	-	4	4	1	1	0	
JUNE	-	-	-	1	5	3	3	0	1	
JULY	-	-	-	6	4	6	6	0	0	
AUGUST	-	-	-	9	2	9	6	0	1	
SEPTEMBER	-	-	-	7	6	0	3	0	0	
OCTOBER	-	-	-	8	3	2	5	0	1	
NOVEMBER	-	-	-	6	1	0	4	1	1	
DECEMBER	-	-	-	5	2	1	3	0	2	

For inclusion/exclusion criteria, please refer to the Technical Notes.

Note: Required reporting of Chikungunya Virus Infection began June 1, 2016.

### Chikungunya Virus Infection, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	-	-	-	-	-	-	42	-	36	0.1	28	0.1	35	0.1	5	0.0*	7	0.0*
FEMALE	-	-	-	-	-	-	27	-	21	0.1	19	0.1	18	0.1*	3	0.0*	2	0.0*
MALE	-	-	-	-	-	-	15	-	15	0.1*	9	0.0*	17	0.1*	2	0.0*	5	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Note: Required reporting of Chikungunya Virus Infection began June 1, 2016.

### Chikungunya Virus Infection, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	-	-	-	-	-	-	42	-	36	0.1	28	0.1	35	0.1	5	0.0*	7	0.0*
0	-	-	-	-	-	-	0	-	0	-	0	-	1	0.2*	0	-	0	-
1-4	-	-	-	-	-	-	0	-	0	-	1	0.1*	0	-	0	-	0	-
5-9	-	-	-	-	-	-	2	-	1	0.0*	0	-	0	-	0	-	0	-
10-14	-	-	-	-	-	-	0	-	0	-	1	0.0*	0	-	0	-	0	-
15-24	-	-	-	-	-	-	3	-	2	0.0*	1	0.0*	3	0.1*	1	0.0*	0	-
25-34	-	-	-	-	-	-	6	-	5	0.1*	6	0.1*	6	0.1*	0	-	1	0.0*
35-44	-	-	-	-	-	-	13	-	8	0.2*	6	0.1*	4	0.1*	1	0.0*	1	0.0*
45-54	-	-	-	-	-	-	6	-	11	0.2*	3	0.1*	13	0.3*	1	0.0*	4	0.1*
55-64	-	-	-	-	-	-	4	-	7	0.1*	6	0.1*	5	0.1*	2	0.0*	0	-
65+	-	-	-	-	-	-	8	-	2	0.0*	4	0.1*	3	0.0*	0	-	1	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Note: Required reporting of Chikungunya Virus Infection began June 1, 2016.

### Chikungunya Virus Infection, Cases by Race/Ethnicity, California, 2013-2021

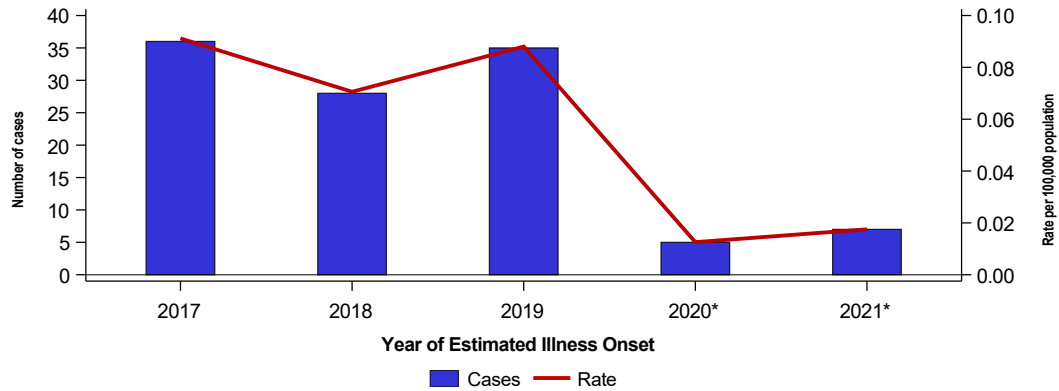
RACE ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	-	-	-	42	36	28	35	5	7	
WHITE, NON-HISPANIC	-	-	-	4	0	7	7	0	2	
HISPANIC/LATINO	-	-	-	5	5	3	3	1	0	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	-	-	-	24	21	9	14	2	4	
BLACK, NON-HISPANIC	-	-	-	0	1	0	1	1	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	-	-	-	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	-	-	-	0	0	1	0	0	0	
OTHER, NON-HISPANIC	-	-	-	0	1	0	0	0	0	
UNKNOWN	-	-	-	9	8	8	10	1	1	

For inclusion/exclusion criteria, please refer to the Technical Notes.

Note: Required reporting of Chikungunya Virus Infection began June 1, 2016.

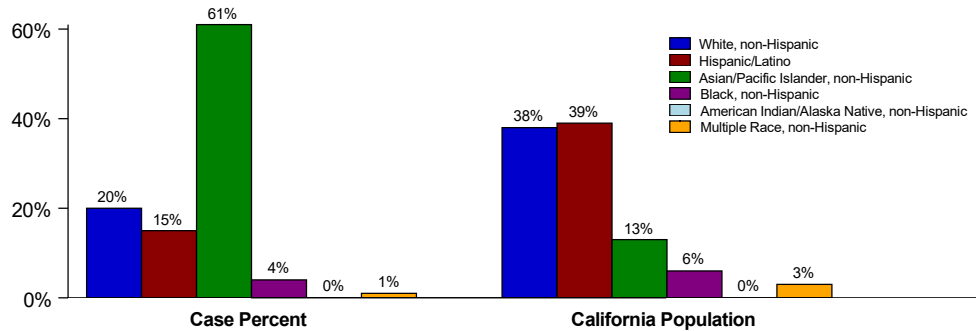


### Chikungunya Virus Infection Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2017-2021



\*Potentially unreliable rate: relative standard error 23 percent or more.

### Chikungunya Virus Infection Cases and Population by Race/Ethnicity, California, 2017-2021



25.2% (n=28) of reported incidents of Chikungunya Virus Infection did not identify race/ethnicity and 0.9% (n=1) of incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

# Cholera

## Cholera, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	0	0	0	0	0	0	1	0.0*	0	0	3	0.0*	0	0	0	0	2	0.0*
ALAMEDA COUNTY TOTAL	0	0	0	0	0	0	0	-	0	0	2	0.1*	0	0	0	0	0	-
ALAMEDA	0	0	0	0	0	0	0	-	0	0	2	0.1*	0	0	0	0	0	-
BERKELEY	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
ALPINE	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
AMADOR	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
BUTTE	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
CALAVERAS	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
COLUSA	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
CONTRA COSTA	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
DEL NORTE	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
EL DORADO	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
FRESNO	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	1	0.1*
GLENN	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
HUMBOLDT	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
IMPERIAL	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
INYO	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
KERN	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
KINGS	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
LAKE	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
LASSEN	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
LOS ANGELES COUNTY TOTAL	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
LOS ANGELES	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
LONG BEACH	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
PASADENA	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
MADERA	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
MARIN	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
MARIPOSA	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
MENDOCINO	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
MERCED	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
MODOC	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
MONO	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
MONTEREY	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
NAPA	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
NEVADA	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
ORANGE	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
PLACER	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
PLUMAS	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
RIVERSIDE	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
SACRAMENTO	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
SAN BENITO	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
SAN BERNARDINO	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
SAN DIEGO	0	0	0	0	0	1	0.0*	0	0	0	0	-	0	0	0	0	0	-
SAN FRANCISCO	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
SAN JOAQUIN	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
SAN LUIS OBISPO	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
SAN MATEO	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
SANTA BARBARA	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
SANTA CLARA	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
SANTA CRUZ	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	1	0.4*
SHASTA	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
SIERRA	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
SISKIYOU	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
SOLANO	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
SONOMA	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
STANISLAUS	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
SUTTER	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
TEHAMA	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
TRINITY	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
TULARE	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
TUOLUMNE	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
VENTURA	0	0	0	0	0	0	0	-	0	1	0.1*	0	0	0	0	0	0	-
YOLO	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-
YUBA	0	0	0	0	0	0	0	-	0	0	0	-	0	0	0	0	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

## Cholera

### Cholera, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	0	0	0	1	0	3	0	0	2	
JANUARY	0	0	0	0	0	0	0	0	0	
FEBRUARY	0	0	0	0	0	1	0	0	0	
MARCH	0	0	0	0	0	0	0	0	0	
APRIL	0	0	0	0	0	0	0	0	0	
MAY	0	0	0	0	0	0	0	0	0	
JUNE	0	0	0	0	0	0	0	0	0	
JULY	0	0	0	1	0	0	0	0	0	
AUGUST	0	0	0	0	0	0	0	0	1	
SEPTEMBER	0	0	0	0	0	1	0	0	0	
OCTOBER	0	0	0	0	0	0	0	0	1	
NOVEMBER	0	0	0	0	0	0	0	0	0	
DECEMBER	0	0	0	0	0	1	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Cholera, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	0	0.0*	0	0.0*	0	0.0*	1	0.0*	0	0.0*	3	0.0*	0	0.0*	0	0.0*	2	0.0*
FEMALE	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	2	0.0*	0	0.0*	0	0.0*	0	0.0*
MALE	0	0.0*	0	0.0*	0	0.0*	1	0.0*	0	0.0*	1	0.0*	0	0.0*	0	0.0*	2	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Cholera, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	0	0.0*	0	0.0*	0	0.0*	1	0.0*	0	0.0*	3	0.0*	0	0.0*	0	0.0*	2	0.0*
0	0	0.2*	0	0.2*	0	0.2*	0	0.2*	0	0.2*	1	0.2*	0	0.2*	0	0.2*	0	0.2*
1-4	0	0.1*	0	0.1*	0	0.1*	0	0.1*	0	0.1*	0	0.1*	0	0.1*	0	0.1*	1	0.1*
5-9	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*
10-14	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*
15-24	0	0.0*	0	0.0*	0	0.0*	1	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*
25-34	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*
35-44	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	1	0.0*
45-54	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*
55-64	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	2	0.0*	0	0.0*	0	0.0*	0	0.0*
65+	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*	0	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Cholera, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	0	0	0	1	0	3	0	0	2	
WHITE, NON-HISPANIC	0	0	0	0	0	1	0	0	1	
HISPANIC/LATINO	0	0	0	0	0	0	0	0	0	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	0	0	0	1	0	2	0	0	1	
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
OTHER, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
UNKNOWN	0	0	0	0	0	0	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Vibrio Infection (non-Cholera)

Vibrio Infection (non-Cholera), Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013	2014	2015	2016	2017	2018	2019	2020	2021									
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE								
<b>CALIFORNIA TOTAL</b>	154	0.4	277	0.7	243	0.6	134	0.3	268	0.7	338	0.9	294	0.7	179	0.4	309	0.8
<b>ALAMEDA COUNTY TOTAL</b>	13	0.8*	16	1.0*	5	0.3*	4	0.2*	7	0.4*	7	0.4*	6	0.4*	10	0.6*	7	0.4*
ALAMEDA	12	0.8*	12	0.8*	5	0.3*	3	0.2*	7	0.5*	7	0.5*	5	0.3*	10	0.6*	5	0.3*
BERKELEY	1	0.9*	4	3.4*	0	-	1	0.8*	0	-	0	-	1	0.8*	0	-	2	1.6*
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	1	2.7*	1	2.7*	1	2.6*	0	-	0	-	1	2.6*
BUTTE	0	-	1	0.4*	0	-	0	-	0	-	2	0.9*	0	-	0	-	1	0.4*
CALAVERAS	0	-	1	2.2*	0	-	0	-	0	-	0	-	0	-	1	2.3*	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	4.5*	0	-
CONTRA COSTA	11	1.0*	13	1.2*	5	0.4*	2	0.2*	4	0.4*	7	0.6*	5	0.4*	5	0.4*	10	0.9*
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	1	0.5*	1	0.5*	0	-	0	-	5	2.7*	1	0.5*	1	0.5*	3	1.6*
FRESNO	0	-	3	0.3*	0	-	0	-	2	0.2*	3	0.3*	4	0.4*	3	0.3*	4	0.4*
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	2	1.5*	0	-	1	0.7*	1	0.7*	0	-	5	3.7*	0	-	0	-	0	-
IMPERIAL	0	-	0	-	1	0.5*	0	-	0	-	1	0.5*	8	4.2*	2	1.1*	11	5.7*
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	3	0.3*	4	0.5*	5	0.6*	2	0.2*	5	0.6*	6	0.7*	2	0.2*	12	1.3*
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	1	1.6*	0	-	2	3.1*	0	-	1	1.6*	3	4.7*
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
<b>LOS ANGELES COUNTY TOTAL</b>	29	0.3	52	0.5	47	0.5	29	0.3	59	0.6	54	0.5	62	0.6	26	0.3	48	0.5
LOS ANGELES	26	0.3	52	0.5	45	0.5	27	0.3	56	0.6	50	0.5	59	0.6	24	0.3	47	0.5
LONG BEACH	1	0.2*	0	-	2	0.4*	2	0.4*	1	0.2*	4	0.8*	2	0.4*	2	0.4*	0	-
PASADENA	2	1.4*	0	-	0	-	0	-	2	1.4*	0	-	1	0.7*	0	-	1	0.7*
MADERA	0	-	0	-	1	0.6*	0	-	0	-	1	0.6*	2	1.3*	0	-	0	-
MARIN	6	2.3*	11	4.2*	10	3.8*	3	1.1*	10	3.8*	8	3.1*	7	2.7*	1	0.4*	3	1.2*
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	5.6*	0	-
MENDOCINO	0	-	1	1.1*	0	-	0	-	0	-	8	9.0*	3	3.4*	4	4.6*	2	2.3*
MERCED	0	-	1	0.4*	0	-	2	0.7*	1	0.4*	0	-	2	0.7*	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	10.6*	2	21.3*
MONO	1	7.2*	0	-	1	7.3*	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	1	0.2*	1	0.2*	1	0.2*	1	0.2*	4	0.9*	5	1.1*	2	0.5*	2	0.5*	8	1.8*
NAPA	2	1.4*	3	2.1*	0	-	0	-	0	-	5	3.6*	2	1.4*	0	-	3	2.2*
NEVADA	0	-	0	-	0	-	0	-	0	-	1	1.0*	3	3.1*	1	1.0*	0	-
ORANGE	16	0.5*	22	0.7	28	0.9	13	0.4*	19	0.6	30	0.9	24	0.8	15	0.5*	25	0.8
PLACER	2	0.5*	2	0.5*	2	0.5*	1	0.3*	3	0.8*	1	0.3*	2	0.5*	1	0.3*	4	1.0*
PLUMAS	0	-	0	-	1	5.5*	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	6	0.3*	11	0.5*	11	0.5*	12	0.5*	6	0.3*	9	0.4*	10	0.4*	7	0.3*	12	0.5*
SACRAMENTO	5	0.3*	7	0.5*	5	0.3*	2	0.1*	4	0.3*	4	0.3*	10	0.6*	4	0.3*	6	0.4*
SAN BENITO	0	-	1	1.7*	0	-	0	-	0	-	1	1.6*	3	4.8*	0	-	1	1.6*
SAN BERNARDINO	4	0.2*	7	0.3*	6	0.3*	3	0.1*	5	0.2*	11	0.5*	2	0.1*	6	0.3*	4	0.2*
SAN DIEGO	14	0.4*	35	1.1	46	1.4	30	0.9	51	1.5	59	1.8	47	1.4	38	1.1	51	1.5
SAN FRANCISCO	15	1.8*	18	2.1*	19	2.2	4	0.5*	16	1.8*	9	1.0*	13	1.4*	2	0.2*	15	1.7*
SAN JOAQUIN	2	0.3*	4	0.6*	4	0.6*	3	0.4*	3	0.4*	3	0.4*	2	0.3*	0	-	3	0.4*
SAN LUIS OBISPO	3	1.1*	1	0.4*	4	1.4*	0	-	4	1.4*	6	2.2*	0	-	1	0.4*	2	0.7*
SAN MATEO	4	0.5*	13	1.7*	4	0.5*	3	0.4*	3	0.4*	12	1.5*	8	1.0*	10	1.3*	9	1.2*
SANTA BARBARA	3	0.7*	2	0.5*	7	1.6*	2	0.4*	12	2.7*	19	4.2	6	1.3*	4	0.9*	10	2.2*
SANTA CLARA	6	0.3*	18	0.9*	8	0.4*	2	0.1*	22	1.1	16	0.8*	17	0.9*	10	0.5*	19	1.0
SANTA CRUZ	0	-	4	1.5*	4	1.5*	2	0.7*	2	0.7*	2	0.7*	6	2.2*	1	0.4*	5	1.8*
SHASTA	0	-	0	-	0	-	0	-	1	0.6*	0	-	1	0.6*	2	1.1*	1	0.6*
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	2.3*
SOLANO	1	0.2*	1	0.2*	2	0.5*	0	-	2	0.5*	2	0.5*	1	0.2*	1	0.2*	3	0.7*
SONOMA	3	0.6*	5	1.0*	5	1.0*	3	0.6*	4	0.8*	2	0.4*	10	2.0*	2	0.4*	4	0.8*
STANISLAUS	1	0.2*	5	0.9*	1	0.2*	1	0.2*	2	0.4*	2	0.4*	3	0.5*	2	0.4*	1	0.2*
SUTTER	0	-	3	3.1*	1	1.0*	1	1.0*	1	1.0*	0	-	2	1.9*	2	2.0*	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	1	0.2*	0	-	0	-	2	0.4*	2	0.4*	2	0.4*	1	0.2*	3	0.6*
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.9*	2	3.9*
VENTURA	2	0.2*	8	0.9*	7	0.8*	2	0.2*	14	1.6*	25	2.9	9	1.1*	4	0.5*	7	0.8*
YOLO	2	1.0*	2	1.0*	1	0.5*	1	0.5*	1	0.5*	3	1.4*	3	1.4*	3	1.4*	3	1.3*
YUBA	0	-	0	-	0	-	0	-	1	1.3*	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.

## Vibrio Infection (non-Cholera)

Vibrio Infection (non-Cholera), Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	154	277	243	134	268	338	294	179	309	
JANUARY	5	2	11	6	11	5	13	10	1	
FEBRUARY	1	4	17	8	6	15	7	12	6	
MARCH	1	6	15	5	12	16	12	8	4	
APRIL	3	4	9	6	15	19	13	6	10	
MAY	7	9	12	3	18	21	19	11	10	
JUNE	14	14	29	16	13	34	29	5	21	
JULY	47	39	40	22	56	67	48	21	98	
AUGUST	38	97	41	37	51	71	68	43	63	
SEPTEMBER	24	48	27	18	35	33	34	22	36	
OCTOBER	11	30	22	6	29	27	25	24	24	
NOVEMBER	3	10	8	5	13	15	13	10	17	
DECEMBER	0	14	12	2	9	15	13	7	19	

For inclusion/exclusion criteria, please refer to the Technical Notes.

Vibrio Infection (non-Cholera), Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	154	0.4	277	0.7	243	0.6	134	0.3	268	0.7	338	0.9	294	0.7	179	0.4	309	0.8
FEMALE	49	0.3	87	0.4	79	0.4	55	0.3	106	0.5	132	0.7	120	0.6	67	0.3	127	0.6
MALE	105	0.5	190	1.0	164	0.8	79	0.4	162	0.8	206	1.0	174	0.9	112	0.6	182	0.9

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Vibrio Infection (non-Cholera), Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	154	0.4	277	0.7	243	0.6	134	0.3	268	0.7	338	0.9	294	0.7	179	0.4	309	0.8
0	0	-	0	-	0	-	0	-	0	-	1	0.2*	2	0.4*	0	-	0	-
1-4	0	-	0	-	0	-	1	0.1*	0	-	2	0.1*	1	0.1*	3	0.2*	1	0.1*
5-9	0	-	3	0.1*	5	0.2*	4	0.2*	2	0.1*	7	0.3*	1	0.0*	1	0.0*	5	0.2*
10-14	8	0.3*	4	0.2*	7	0.3*	6	0.2*	8	0.3*	6	0.2*	6	0.2*	11	0.4*	3	0.1*
15-24	10	0.2*	20	0.3	25	0.4	10	0.2*	15	0.3*	20	0.3	28	0.5	13	0.2*	14	0.2*
25-34	29	0.5	57	1.1	52	1.0	11	0.2*	44	0.8	60	1.2	46	0.9	34	0.7	59	1.1
35-44	33	0.6	64	1.2	39	0.8	20	0.4	54	1.0	59	1.1	48	0.9	31	0.6	59	1.1
45-54	26	0.5	51	1.0	38	0.7	31	0.6	38	0.7	43	0.8	36	0.7	27	0.5	60	1.2
55-64	21	0.5	40	0.9	30	0.6	25	0.5	45	0.9	66	1.3	53	1.1	24	0.5	43	0.9
65+	26	0.5	36	0.7	45	0.9	26	0.5	62	1.1	74	1.3	72	1.2	34	0.5	63	1.0
UNKNOWN	1	-	2	-	2	-	0	-	0	-	0	-	1	-	1	-	2	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

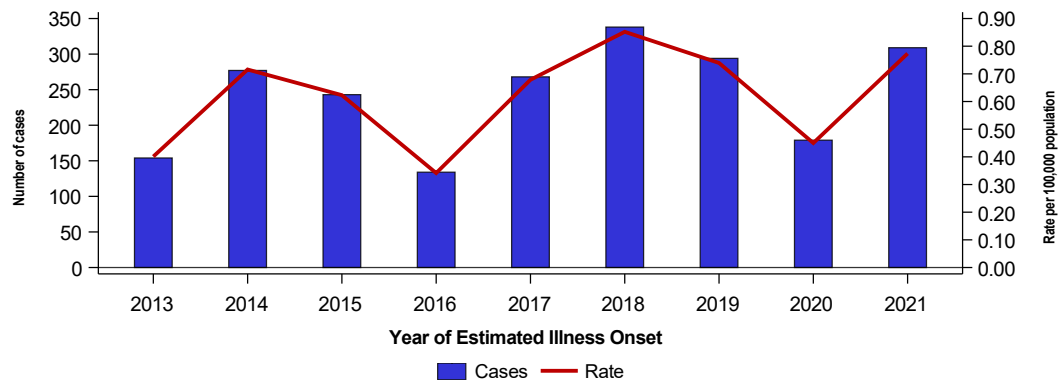
\*Potentially unreliable rate: relative standard error 23 percent or more.

Vibrio Infection (non-Cholera), Cases by Race/Ethnicity, California, 2013-2021

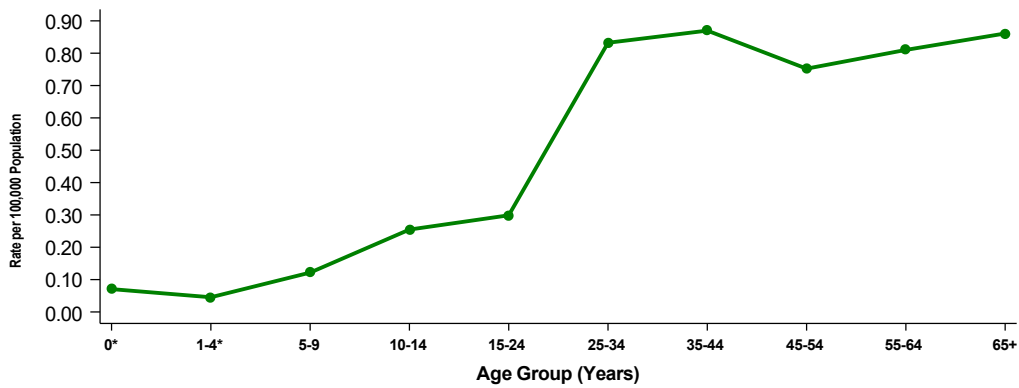
RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	154	277	243	134	268	338	294	179	309	
WHITE, NON-HISPANIC	84	121	120	64	116	162	133	62	136	
HISPANIC/LATINO	26	59	59	34	56	69	64	43	74	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	14	10	11	10	32	28	22	17	30	
BLACK, NON-HISPANIC	3	8	9	2	5	9	6	6	6	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	1	0	0	1	1	0	0	2	
MULTIPLE RACE, NON-HISPANIC	0	1	2	1	4	6	0	4	5	
OTHER, NON-HISPANIC	1	4	6	1	9	13	10	14	14	
UNKNOWN	26	73	36	22	45	50	59	33	42	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Vibrio Infection (non-Cholera) Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021

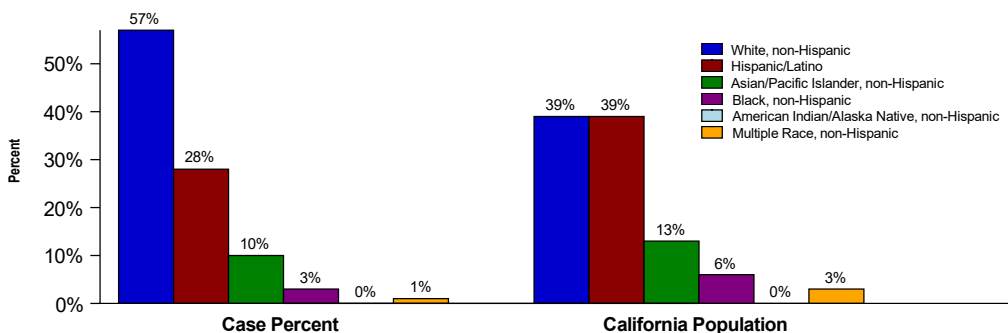


### Vibrio Infection (non-Cholera) Average Incidence Rates by Age Group, California, 2013-2021



\*Potentially unreliable rate: relative standard error 23 percent or more.

### Vibrio Infection (non-Cholera) Cases and Population by Race/Ethnicity, California, 2013-2021



17.6% (n=386) of reported incidents of Vibrio Infection (non-Cholera) did not identify race/ethnicity and 3.3% (n=72) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

## Ciguatera Fish Poisoning

### Ciguatera Fish Poisoning, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	2	0.0*	1	0.0*	1	0.0*	1	0.0*	3	0.0*	0		1	0.0*	0		0	
ALAMEDA COUNTY TOTAL	0	-	1	0.1*	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-
ALAMEDA	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-
BERKELEY	0	-	1	0.8*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
FRESNO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
IMPERIAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	0	-	0	-	0	-	0	-	2	0.0*	0	-	0	-	0	-	0	-
LOS ANGELES	0	-	0	-	0	-	0	-	2	0.0*	0	-	0	-	0	-	0	-
LONG BEACH	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NAPA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PLACER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SACRAMENTO	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN DIEGO	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN FRANCISCO	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-
SAN JOAQUIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA BARBARA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CLARA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CRUZ	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SHASTA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-
SONOMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
STANISLAUS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
YOLO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

## Ciguatera Fish Poisoning

Ciguatera Fish Poisoning, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	2	1	1	1	3	0	1	0	0	
JANUARY	0	0	0	0	2	0	0	0	0	
FEBRUARY	0	0	0	0	0	0	0	0	0	
MARCH	1	0	0	0	0	0	0	0	0	
APRIL	0	0	0	0	0	0	0	0	0	
MAY	0	0	0	0	0	0	0	0	0	
JUNE	0	0	0	0	0	0	0	0	0	
JULY	0	0	0	1	0	0	1	0	0	
AUGUST	0	1	0	0	0	0	0	0	0	
SEPTEMBER	0	0	0	0	0	0	0	0	0	
OCTOBER	0	0	0	0	0	0	0	0	0	
NOVEMBER	1	0	1	0	0	0	0	0	0	
DECEMBER	0	0	0	0	1	0	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

Ciguatera Fish Poisoning, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	2	0.0*	1	0.0*	1	0.0*	1	0.0*	3	0.0*	0	-	1	0.0*	0	-	0	-
FEMALE	1	0.0*	0	-	0	-	1	0.0*	1	0.0*	0	-	1	0.0*	0	-	0	-
MALE	1	0.0*	1	0.0*	1	0.0*	0	-	2	0.0*	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Ciguatera Fish Poisoning, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	2	0.0*	1	0.0*	1	0.0*	1	0.0*	3	0.0*	0	-	1	0.0*	0	-	0	-
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
10-14	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
15-24	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
25-34	1	0.0*	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-
35-44	0	-	0	-	0	-	0	-	2	0.0*	0	-	0	-	0	-	0	-
45-54	0	-	0	-	0	-	1	0.0*	1	0.0*	0	-	0	-	0	-	0	-
55-64	1	0.0*	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-
65+	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

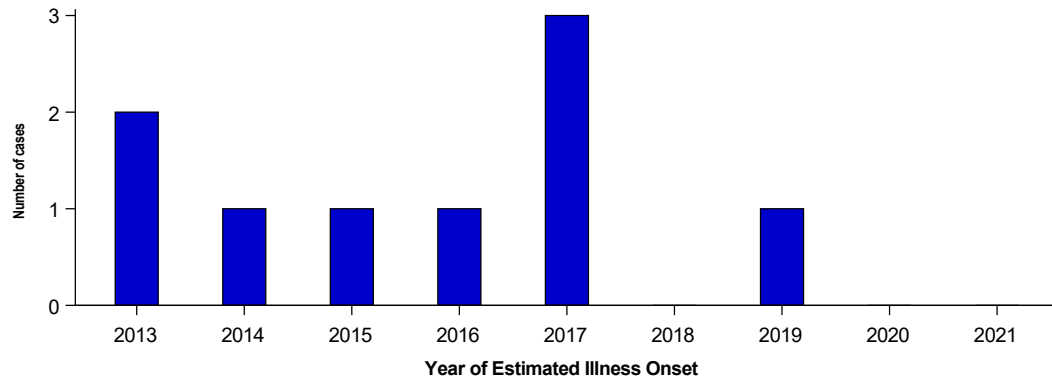
Ciguatera Fish Poisoning, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	2	1	1	1	3	0	1	0	0	
WHITE, NON-HISPANIC	1	1	0	0	1	0	0	0	0	
HISPANIC/LATINO	1	0	0	0	1	0	0	0	0	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	0	0	0	1	0	0	0	0	0	
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
OTHER, NON-HISPANIC	0	0	0	0	0	0	1	0	0	
UNKNOWN	0	0	1	0	1	0	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.



### Ciguatera Fish Poisoning Cases by Year of Estimated Illness Onset, California, 2013-2021



## Coccidioidomycosis

### Coccidioidomycosis, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013	2014	2015	2016	2017	2018	2019	2020	2021									
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE								
<b>CALIFORNIA TOTAL</b>	3,329	8.7	2,330	6.0	3,183	8.2	5,571	14.2	7,704	19.5	7,636	19.2	9,090	22.9	7,252	18.2	8,030	20.1
<b>ALAMEDA COUNTY TOTAL</b>	29	1.8	24	1.5	39	2.4	48	2.9	66	4.0	76	4.6	97	5.8	68	4.1	99	5.9
ALAMEDA	28	1.9	24	1.6	38	2.5	48	3.2	66	4.3	75	4.9	96	6.2	67	4.3	98	6.4
BERKELEY	1	0.9*	0	-	1	0.8*	0	-	0	-	1	0.8*	1	0.8*	1	0.8*	1	0.8*
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	4	11.1*	0	-	1	2.7*	7	18.5*	5	13.3*	7	18.6*	3	7.9*
BUTTE	4	1.8*	1	0.4*	0	-	3	1.3*	4	1.8*	1	0.4*	6	2.8*	11	5.3*	13	5.7*
CALAVERAS	3	6.6*	1	2.2*	1	2.2*	1	2.2*	0	-	1	2.2*	3	6.8*	8	18.1*	1	2.3*
COLUSA	0	-	0	-	1	4.6*	1	4.6*	0	-	2	9.1*	3	13.6*	1	4.5*	0	-
CONTRA COSTA	38	3.5	30	2.7	50	4.5	68	6.0	89	7.8	109	9.5	134	11.7	144	12.5	134	11.6
DEL NORTE	0	-	0	-	0	-	1	3.7*	1	3.8*	0	-	0	-	0	-	0	-
EL DORADO	1	0.5*	2	1.1*	1	0.5*	2	1.1*	5	2.7*	2	1.1*	5	2.6*	3	1.6*	1	0.5*
FRESNO	314	32.7	162	16.7	280	28.6	614	62.1	832	83.4	643	63.7	625	61.4	448	43.6	407	39.8
GLENN	0	-	0	-	0	-	0	-	2	7.0*	0	-	2	6.9*	1	3.4*	3	10.3*
HUMBOLDT	0	-	0	-	1	0.7*	0	-	2	1.5*	0	-	2	1.5*	2	1.5*	2	1.5*
IMPERIAL	5	2.8*	2	1.1*	2	1.1*	11	5.9*	15	8.0*	19	10.1	17	9.0*	5	2.7*	1	0.5*
INYO	0	-	1	5.4*	0	-	0	-	0	-	0	-	0	-	1	5.4*	3	16.5*
KERN	1,659	191.0	931	106.4	1,083	122.9	2,258	255.3	2,793	312.8	2,949	327.2	3,384	372.0	2,626	287.6	2,819	306.2
KINGS	108	71.9	78	52.3	104	69.6	235	158.0	273	181.6	173	113.3	220	143.3	157	101.5	168	108.3
LAKE	0	-	0	-	0	-	2	3.1*	2	3.1*	1	1.5*	2	3.1*	2	3.1*	0	-
LASSEN	0	-	0	-	9	29.8*	6	20.2*	0	-	1	3.4*	0	-	1	3.5*	0	-
<b>LOS ANGELES COUNTY TOTAL</b>	347	3.5	403	4.0	558	5.5	730	7.2	932	9.1	1,013	9.9	1,154	11.3	1,081	10.6	1,447	14.2
LOS ANGELES	338	3.6	383	4.0	521	5.5	713	7.5	904	9.5	996	10.4	1,093	11.5	1,023	10.7	1,378	14.5
LONG BEACH	8	1.7*	19	4.0	36	7.6	15	3.2*	19	4.0	12	2.5*	57	12.1	55	11.8	52	11.3
PASADENA	1	0.7*	1	0.7*	1	0.7*	2	1.4*	9	6.3*	5	3.5*	4	2.8*	3	2.1*	17	12.2*
MADERA	46	30.3	35	22.8	54	35.0	49	31.7	64	41.0	58	36.8	64	40.6	22	13.9	38	23.6
MARIN	6	2.3*	2	0.8*	1	0.4*	2	0.8*	4	1.5*	5	1.9*	5	1.9*	6	2.3*	4	1.5*
MARIPOSA	0	-	0	-	2	11.1*	3	16.6*	3	16.7*	1	5.6*	2	11.2*	1	5.6*	1	5.7*
MENDOCINO	1	1.1*	0	-	1	1.1*	0	-	1	1.1*	0	-	3	3.4*	2	2.3*	1	1.1*
MERCED	54	20.4	51	19.1	91	33.8	78	28.8	105	38.2	137	49.3	105	37.3	78	27.4	81	28.3
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	1	7.4*	0	-	0	-	2	14.5*
MONTEREY	69	16.2	24	5.6	38	8.7	79	18.0	191	43.4	238	53.9	186	41.9	111	25.2	120	27.0
NAPA	0	-	0	-	0	-	2	1.4*	1	0.7*	1	0.7*	4	2.9*	1	0.7*	5	3.6*
NEVADA	0	-	0	-	0	-	0	-	0	-	1	1.0*	0	-	4	4.1*	1	1.0*
ORANGE	72	2.3	77	2.5	172	5.5	109	3.4	231	7.2	195	6.1	287	9.0	240	7.5	284	8.8
PLACER	3	0.8*	0	-	5	1.3*	3	0.8*	2	0.5*	3	0.8*	12	3.0*	10	2.5*	9	2.3*
PLUMAS	2	10.6*	1	5.4*	0	-	0	-	0	-	2	10.9*	0	-	0	-	0	-
RIVERSIDE	34	1.5	38	1.7	57	2.4	64	2.7	134	5.6	142	5.9	290	11.9	311	12.7	455	18.4
SACRAMENTO	9	0.6*	18	1.2*	23	1.5	27	1.8	40	2.6	43	2.8	103	6.7	57	3.6	81	5.2
SAN BENITO	1	1.7*	1	1.7*	0	-	3	5.1*	4	6.7*	3	4.9*	5	8.1*	2	3.2*	8	13.0*
SAN BERNARDINO	49	2.3	33	1.6	29	1.4	38	1.8	88	4.1	97	4.5	229	10.5	233	10.7	250	11.4
SAN DIEGO	93	2.9	88	2.7	113	3.5	132	4.0	274	8.3	276	8.3	417	12.5	461	13.8	450	13.5
SAN FRANCISCO	18	2.1*	4	0.5*	13	1.5*	7	0.8*	14	1.6*	12	1.3*	25	2.8	18	2.0*	29	3.2
SAN JOAQUIN	51	7.2	61	8.5	97	13.3	191	25.9	204	27.3	242	32.0	281	36.6	134	17.3	117	15.1
SAN LUIS OBISPO	53	19.3	27	9.8	65	23.5	259	93.2	438	157.7	346	124.4	268	96.7	178	64.5	170	61.0
SAN MATEO	10	1.3*	3	0.4*	5	0.7*	4	0.5*	18	2.3*	16	2.1*	27	3.5	17	2.2*	22	2.8
SANTA BARBARA	23	5.3	15	3.4*	25	5.6	62	13.9	115	25.7	107	23.8	75	16.6	62	13.7	66	14.6
SANTA CLARA	17	0.9*	12	0.6*	17	0.9*	39	2.0	39	2.0	76	3.9	78	4.0	44	2.2	65	3.3
SANTA CRUZ	5	1.8*	3	1.1*	1	0.4*	9	3.3*	9	3.3*	14	5.1*	21	7.7	3	1.1*	17	6.2*
SHASTA	0	-	1	0.6*	0	-	2	1.1*	0	-	0	-	0	-	1	0.6*	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	1	2.2*	0	-	0	-	2	4.5*	2	4.5*	0	-	1	2.3*	2	4.6*	0	-
SOLANO	6	1.4*	5	1.2*	19	4.4	16	3.7*	18	4.1*	17	3.9*	34	7.7	22	5.0	35	7.9
SONOMA	1	0.2*	5	1.0*	1	0.2*	2	0.4*	3	0.6*	3	0.6*	12	2.4*	7	1.4*	20	4.0
STANISLAUS	39	7.4	36	6.8	48	8.9	81	14.9	122	22.3	76	13.8	80	14.4	67	12.1	86	15.3
SUTTER	1	1.0*	0	-	0	-	1	1.0*	3	3.0*	0	-	4	3.9*	1	1.0*	1	1.0*
TEHAMA	1	1.6*	1	1.6*	0	-	1	1.6*	0	-	1	1.6*	2	3.1*	3	4.6*	2	3.1*
TRINITY	0	-	0	-	0	-	0	-	0	-	1	7.5*	0	-	0	-	0	-
TULARE	116	25.4	109	23.7	120	25.9	249	53.3	290	61.6	287	60.6	418	87.5	309	64.3	317	65.8
TUOLUMNE	0	-	0	-	1	1.9*	6	11.3*	6	11.4*	2	3.8*	1	1.9*	2	3.8*	1	1.9*
VENTURA	39	4.6	42	5.0	48	5.7	65	7.7	257	30.3	231	27.2	371	43.9	266	31.6	181	21.3
YOLO	0	-	3	1.4*	4	1.9*	6	2.8*	4	1.8*	3	1.4*	16	7.2*	9	4.1*	8	3.5*
YUBA	1	1.4*	0	-	0	-	0	-	3	3.9*	2	2.6*	5	6.4*	2	2.5*	2	2.6*

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Note: Data presented here includes cases reported to CDPH by July 20, 2022. For updated reported coccidioidomycosis data, please refer to <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/Coccidioidomycosis.aspx>.

## Coccidioidomycosis

### Coccidioidomycosis, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	3,329	2,330	3,183	5,571	7,704	7,636	9,090	7,252	8,030	
JANUARY	269	257	217	290	371	1,034	743	715	768	
FEBRUARY	234	228	182	276	288	619	684	730	682	
MARCH	218	159	202	235	304	569	789	669	710	
APRIL	267	179	231	276	281	485	656	479	582	
MAY	367	192	175	211	337	545	692	440	601	
JUNE	285	170	215	309	454	492	601	511	624	
JULY	286	199	295	388	503	595	629	478	713	
AUGUST	285	169	259	615	744	636	753	584	649	
SEPTEMBER	233	193	328	733	838	586	745	595	665	
OCTOBER	293	192	407	958	1,221	709	993	728	680	
NOVEMBER	323	185	351	734	1,242	724	968	669	703	
DECEMBER	269	207	321	546	1,121	642	837	654	653	

For inclusion/exclusion criteria, please refer to the Technical Notes.

Note: Data presented here includes cases reported to CDPH by July 20, 2022. For updated reported coccidioidomycosis data, please refer to <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/Coccidioidomycosis.aspx>.

### Coccidioidomycosis, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	3,329	8.7	2,330	6.0	3,183	8.2	5,571	14.2	7,704	19.5	7,636	19.2	9,090	22.9	7,252	18.2	8,030	20.1
FEMALE	1,180	6.1	864	4.5	1,171	6.0	2,066	10.5	2,749	13.9	2,933	14.8	3,723	18.7	3,136	15.7	3,347	16.7
MALE	2,134	11.2	1,464	7.6	2,009	10.3	3,501	17.9	4,947	25.1	4,696	23.7	5,354	27.0	4,102	20.7	4,673	23.4
UNKNOWN	15	-	2	-	3	-	4	-	8	-	7	-	13	-	14	-	10	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Note: Data presented here includes cases reported to CDPH by July 20, 2022. For updated reported coccidioidomycosis data, please refer to <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/Coccidioidomycosis.aspx>.

### Coccidioidomycosis, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	3,329	8.7	2,330	6.0	3,183	8.2	5,571	14.2	7,704	19.5	7,636	19.2	9,090	22.9	7,252	18.2	8,030	20.1
0	1	0.2*	2	0.4*	3	0.6*	3	0.6*	5	1.0*	8	1.7*	9	2.0*	9	2.0*	3	0.7*
1-4	21	1.0	7	0.3*	15	0.7*	29	1.5	55	2.8	50	2.5	39	2.0	27	1.4	13	0.7*
5-9	68	2.6	33	1.3	47	1.8	110	4.3	150	5.9	118	4.6	101	4.0	53	2.1	62	2.5
10-14	56	2.2	52	2.0	58	2.3	193	7.5	243	9.4	218	8.4	184	7.1	119	4.6	125	4.8
15-24	371	6.5	201	3.5	314	5.4	608	10.4	818	14.1	745	12.9	847	14.8	603	10.6	604	10.6
25-34	535	10.0	345	6.5	448	8.5	827	15.8	1,175	22.6	1,156	22.2	1,316	25.4	958	18.6	1,046	20.1
35-44	576	11.2	373	7.2	536	10.4	942	18.3	1,257	24.2	1,260	24.1	1,455	27.7	1,256	23.9	1,229	23.4
45-54	656	12.5	430	8.2	578	11.0	1,070	20.4	1,446	27.7	1,426	27.6	1,612	31.6	1,212	24.0	1,369	27.2
55-64	542	12.2	454	10.0	559	12.0	897	18.9	1,317	27.3	1,268	25.9	1,608	32.7	1,349	27.5	1,569	32.0
65+	485	10.1	423	8.4	613	11.7	885	16.3	1,234	21.9	1,378	23.6	1,905	31.4	1,656	26.3	1,997	30.6
UNKNOWN	18	-	10	-	12	-	7	-	4	-	9	-	14	-	10	-	13	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Note: Data presented here includes cases reported to CDPH by July 20, 2022. For updated reported coccidioidomycosis data, please refer to <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/Coccidioidomycosis.aspx>.

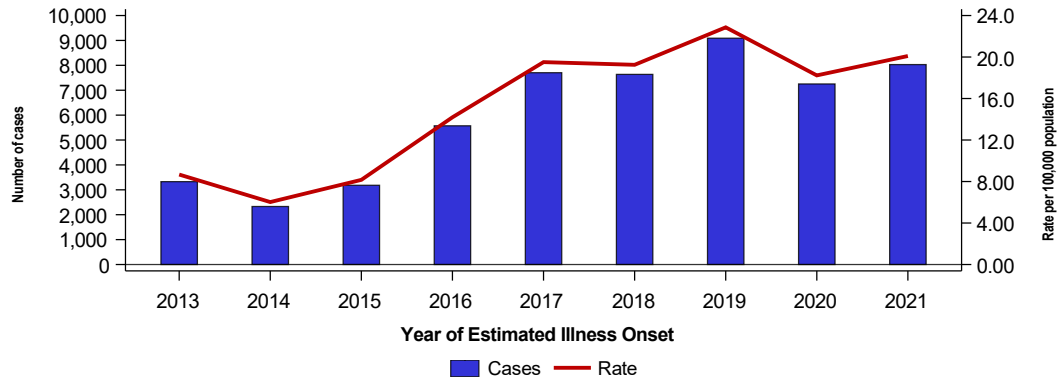
### Coccidioidomycosis, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	3,329	2,330	3,183	5,571	7,704	7,636	9,090	7,252	8,030	
WHITE, NON-HISPANIC	734	577	803	1,249	1,736	1,724	1,719	1,534	1,666	
HISPANIC/LATINO	1,006	756	870	1,769	2,268	2,249	2,055	1,822	2,103	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	133	111	163	273	402	384	370	264	371	
BLACK, NON-HISPANIC	177	122	198	273	354	383	340	286	381	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	18	13	12	17	38	18	46	19	26	
MULTIPLE RACE, NON-HISPANIC	5	8	5	22	16	10	19	8	10	
OTHER, NON-HISPANIC	44	36	106	165	559	501	736	617	569	
UNKNOWN	1,212	707	1,026	1,803	2,331	2,367	3,805	2,702	2,904	

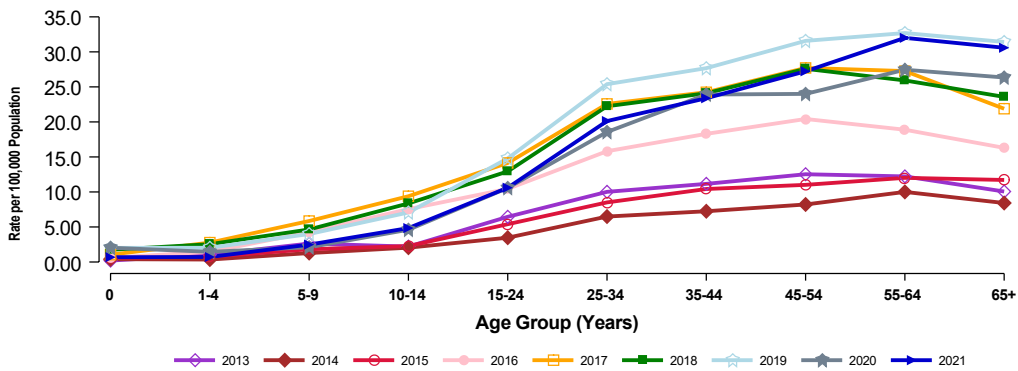
For inclusion/exclusion criteria, please refer to the Technical Notes.

Note: Data presented here includes cases reported to CDPH by July 20, 2022. For updated reported coccidioidomycosis data, please refer to <https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/Coccidioidomycosis.aspx>.

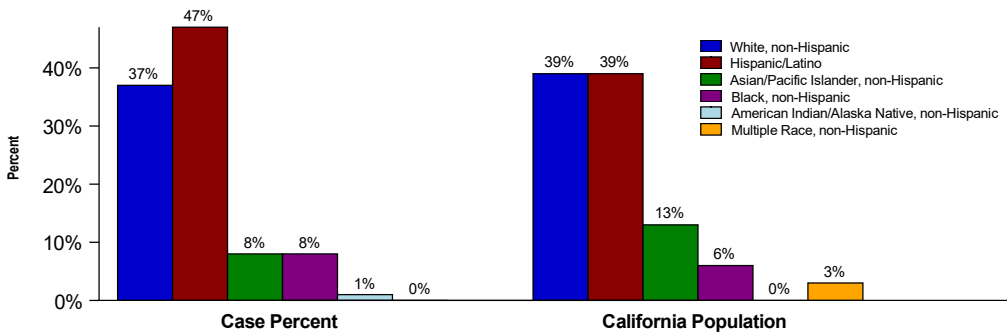
### Coccidioidomycosis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021



### Coccidioidomycosis Incidence Rates by Age Group and Year of Estimated Illness Onset, California, 2013-2021



### Coccidioidomycosis Cases and Population by Race/Ethnicity, California, 2013-2021



34.8% (n=18857) of reported incidents of Coccidioidomycosis did not identify race/ethnicity and 6.2% (n=3333) of reported incidents identified as "Other" race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

### Creutzfeldt-Jakob Disease and other Transmissible Spongiform Encephalopathies

Creutzfeldt-Jakob Disease and other Transmissible Spongiform Encephalopathies, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	31	0.1	34	0.1	25	0.1	34	0.1	37	0.1	36	0.1	39	0.1	30	0.1	21	0.1
ALAMEDA COUNTY TOTAL	0	-	4	0.2*	0	-	0	-	2	0.1*	7	0.4*	1	0.1*	1	0.1*	2	0.1*
ALAMEDA	0	-	4	0.3*	0	-	0	-	2	0.1*	7	0.5*	1	0.1*	0	-	2	0.1*
BERKELEY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.8*	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	1	0.4*	0	-	1	0.4*	1	0.4*	1	0.4*	1	0.5*	0	-	1	0.4*
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	1	0.1*	1	0.1*	2	0.2*	0	-	1	0.1*	1	0.1*	2	0.2*	3	0.3*	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
FRESNO	1	0.1*	0	-	0	-	1	0.1*	0	-	1	0.1*	0	-	2	0.2*	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	1	0.7*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.7*
IMPERIAL	0	-	0	-	0	-	1	0.5*	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	1	0.1*	0	-	0	-	2	0.2*	3	0.3*	0	-	0	-
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	4	0.0*	5	0.0*	2	0.0*	7	0.1*	9	0.1*	6	0.1*	8	0.1*	6	0.1*	7	0.1*
LOS ANGELES	4	0.0*	5	0.1*	2	0.0*	7	0.1*	9	0.1*	6	0.1*	8	0.1*	6	0.1*	7	0.1*
LONG BEACH	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	2	1.3*	0	-	0	-	0	-	0	-	0	-
MARIN	1	0.4*	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	1	0.2*	1	0.2*	0	-	0	-	0	-	0	-	0	-	0	-
NAPA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	2	0.1*	1	0.0*	3	0.1*	1	0.0*	2	0.1*	4	0.1*	2	0.1*	1	0.0*	1	0.0*
PLACER	0	-	0	-	0	-	1	0.3*	0	-	2	0.5*	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	1	0.0*	2	0.1*	0	-	0	-	1	0.0*	2	0.1*	2	0.1*	1	0.0*	0	-
SACRAMENTO	0	-	1	0.1*	2	0.1*	2	0.1*	1	0.1*	1	0.1*	1	0.1*	2	0.1*	1	0.1*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	2	0.1*	3	0.1*	2	0.1*	3	0.1*	1	0.0*	1	0.0*	1	0.0*	0	-	1	0.0*
SAN DIEGO	9	0.3*	5	0.2*	4	0.1*	4	0.1*	8	0.2*	2	0.1*	9	0.3*	3	0.1*	2	0.1*
SAN FRANCISCO	3	0.4*	1	0.1*	0	-	1	0.1*	0	-	1	0.1*	0	-	1	0.1*	0	-
SAN JOAQUIN	0	-	1	0.1*	0	-	0	-	0	-	0	-	1	0.1*	1	0.1*	1	0.1*
SAN LUIS OBISPO	1	0.4*	1	0.4*	0	-	4	1.4*	0	-	0	-	0	-	1	0.4*	0	-
SAN MATEO	1	0.1*	1	0.1*	1	0.1*	1	0.1*	3	0.4*	2	0.3*	1	0.1*	1	0.1*	0	-
SANTA BARBARA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CLARA	1	0.1*	2	0.1*	4	0.2*	2	0.1*	4	0.2*	1	0.1*	1	0.1*	3	0.2*	1	0.1*
SANTA CRUZ	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SHASTA	0	-	0	-	0	-	1	0.6*	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*
SONOMA	0	-	1	0.2*	0	-	1	0.2*	1	0.2*	0	-	1	0.2*	0	-	1	0.2*
STANISLAUS	0	-	1	0.2*	2	0.4*	0	-	1	0.2*	1	0.2*	0	-	0	-	0	-
SUTTER	1	1.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	1	1.6*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	0	-	0	-	0	-	0	-	2	0.4*	1	0.2*	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.9*	0	-
VENTURA	2	0.2*	0	-	0	-	1	0.1*	2	0.2*	1	0.1*	1	0.1*	1	0.1*	1	0.1*
YOLO	0	-	1	0.5*	1	0.5*	0	-	0	-	0	-	1	0.5*	0	-	0	-
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.

## Creutzfeldt-Jakob Disease and other Transmissible Spongiform Encephalopathies

Creutzfeldt-Jakob Disease and other Transmissible Spongiform Encephalopathies, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	31	34	25	34	37	36	39	30	21	
JANUARY	4	3	1	1	4	1	3	7	2	
FEBRUARY	0	3	1	3	4	4	2	3	2	
MARCH	2	2	1	4	4	3	6	2	1	
APRIL	0	3	2	1	5	0	3	2	3	
MAY	4	1	4	2	4	3	1	4	2	
JUNE	2	4	2	3	0	3	1	1	3	
JULY	1	1	0	6	1	3	3	3	1	
AUGUST	6	2	6	2	1	4	3	3	3	
SEPTEMBER	4	2	3	3	4	5	4	2	0	
OCTOBER	5	1	1	2	2	3	6	1	1	
NOVEMBER	1	7	1	4	2	3	3	2	1	
DECEMBER	2	5	3	3	6	4	4	0	2	

For inclusion/exclusion criteria, please refer to the Technical Notes.

Creutzfeldt-Jakob Disease and other Transmissible Spongiform Encephalopathies, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	31	0.1	34	0.1	25	0.1	34	0.1	37	0.1	36	0.1	39	0.1	30	0.1	21	0.1
FEMALE	18	0.1*	14	0.1*	9	0.0*	19	0.1	21	0.1	16	0.1*	19	0.1	15	0.1*	5	0.0*
MALE	12	0.1*	20	0.1*	16	0.1*	15	0.1*	16	0.1*	19	0.1	20	0.1	15	0.1*	16	0.1*
UNKNOWN	1	-	0	-	0	-	0	-	0	-	1	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Creutzfeldt-Jakob Disease and other Transmissible Spongiform Encephalopathies, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	31	0.1	34	0.1	25	0.1	34	0.1	37	0.1	36	0.1	39	0.1	30	0.1	21	0.1
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
10-14	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
15-24	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-
25-34	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-
35-44	2	0.0*	1	0.0*	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-
45-54	5	0.1*	3	0.1*	3	0.1*	4	0.1*	2	0.0*	3	0.1*	2	0.0*	3	0.1*	2	0.0*
55-64	7	0.2*	9	0.2*	12	0.3*	12	0.3*	8	0.2*	12	0.2*	14	0.3*	11	0.2*	8	0.2*
65+	17	0.4*	21	0.4	10	0.2*	17	0.3*	27	0.5	20	0.3	23	0.4	15	0.2*	11	0.2*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

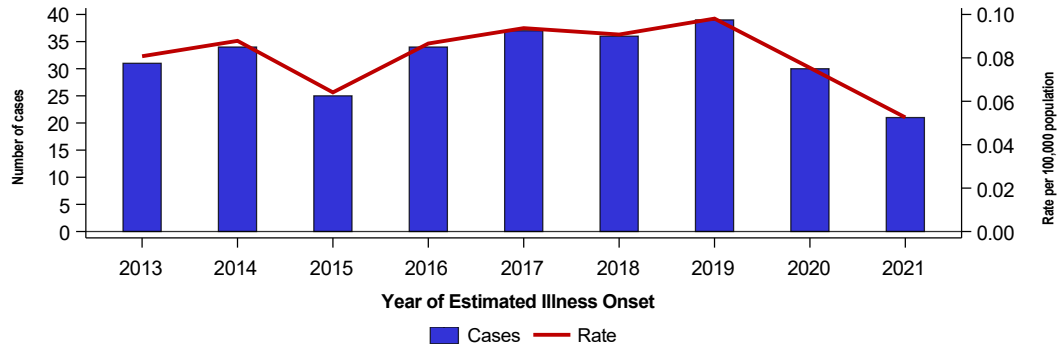
\*Potentially unreliable rate: relative standard error 23 percent or more.

Creutzfeldt-Jakob Disease and other Transmissible Spongiform Encephalopathies, Cases by Race/Ethnicity, California, 2013-2021

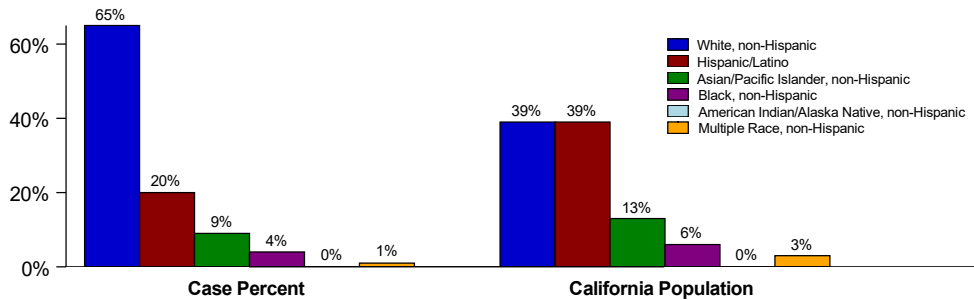
RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	31	34	25	34	37	36	39	30	21	
WHITE, NON-HISPANIC	15	17	19	19	16	14	19	13	12	
HISPANIC/LATINO	7	5	1	3	5	6	7	6	3	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	0	1	1	4	1	4	3	5	1	
BLACK, NON-HISPANIC	2	2	1	0	2	1	1	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	1	0	
MULTIPLE RACE, NON-HISPANIC	0	2	0	0	1	0	0	0	0	
OTHER, NON-HISPANIC	0	0	0	0	3	0	0	0	3	
UNKNOWN	7	7	3	8	9	11	9	5	2	

For inclusion/exclusion criteria, please refer to the Technical Notes.

**Creutzfeldt-Jakob Disease and other Transmissible Spongiform Encephalopathies Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021**



**Creutzfeldt-Jakob Disease and other Transmissible Spongiform Encephalopathies Cases and Population by Race/Ethnicity, California, 2013-2021**



21.3% (n=61) of reported incidents of Creutzfeldt-Jakob Disease and other Transmissible Spongiform Encephalopathies did not identify race/ethnicity and 2.1% (n=6) of incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

# Cryptosporidiosis

## Cryptosporidiosis, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
<b>CALIFORNIA TOTAL</b>	307	0.8	364	0.9	381	1.0	435	1.1	661	1.7	671	1.7	761	1.9	385	1.0	527	1.3
<b>ALAMEDA COUNTY TOTAL</b>	15	1.0*	9	0.6*	10	0.6*	14	0.9*	28	1.7	20	1.2	27	1.6	9	0.5*	15	0.9*
ALAMEDA	15	1.0*	9	0.6*	9	0.6*	14	0.9*	26	1.7	20	1.3	25	1.6	8	0.5*	14	0.9*
BERKELEY	0	-	0	-	1	0.8*	0	-	2	1.7*	0	-	2	1.6*	1	0.8*	1	0.8*
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	1	2.7*	0	-	0	-	0	-	0	-
BUTTE	21	9.5	5	2.2*	15	6.7*	17	7.6*	9	4.0*	18	7.9*	21	9.8	9	4.4*	10	4.4*
CALAVERAS	1	2.2*	0	-	0	-	1	2.2*	0	-	0	-	1	2.3*	0	-	0	-
COLUSA	0	-	2	9.3*	0	-	1	4.6*	1	4.5*	0	-	0	-	0	-	0	-
CONTRA COSTA	12	1.1*	8	0.7*	6	0.5*	10	0.9*	6	0.5*	7	0.6*	9	0.8*	5	0.4*	11	0.9*
DEL NORTE	0	-	0	-	1	3.7*	1	3.7*	2	7.5*	4	14.8*	1	3.7*	0	-	2	7.5*
EL DORADO	1	0.5*	0	-	1	0.5*	1	0.5*	3	1.6*	3	1.6*	7	3.7*	2	1.0*	3	1.6*
FRESNO	8	0.8*	7	0.7*	13	1.3*	10	1.0*	13	1.3*	11	1.1*	16	1.6*	3	0.3*	12	1.2*
GLENN	0	-	0	-	0	-	0	-	2	7.0*	0	-	1	3.4*	0	-	0	-
HUMBOLDT	8	5.9*	4	3.0*	6	4.5*	3	2.2*	1	0.7*	2	1.5*	5	3.7*	1	0.8*	4	3.0*
IMPERIAL	0	-	0	-	0	-	1	0.5*	1	0.5*	0	-	1	0.5*	2	1.1*	3	1.6*
INYO	1	5.4*	4	21.4*	2	10.7*	0	-	2	10.8*	2	10.8*	9	48.7*	5	27.1*	3	16.5*
KERN	3	0.3*	8	0.9*	5	0.6*	6	0.7*	6	0.7*	17	1.9*	16	1.8*	11	1.2*	14	1.5*
KINGS	2	1.3*	2	1.3*	1	0.7*	0	-	0	-	0	-	5	3.3*	1	0.6*	3	1.9*
LAKE	1	1.5*	0	-	1	1.5*	0	-	1	1.5*	0	-	0	-	0	-	1	1.6*
LASSEN	0	-	2	6.4*	2	6.6*	1	3.4*	1	3.4*	1	3.4*	0	-	0	-	0	-
<b>LOS ANGELES COUNTY TOTAL</b>	53	0.5	90	0.9	61	0.6	105	1.0	168	1.6	183	1.8	178	1.7	112	1.1	128	1.3
LOS ANGELES	48	0.5	79	0.8	54	0.6	97	1.0	150	1.6	175	1.8	161	1.7	99	1.0	113	1.2
LONG BEACH	5	1.1*	11	2.3*	5	1.1*	8	1.7*	17	3.6*	8	1.7*	14	3.0*	11	2.4*	14	3.0*
PASADENA	0	-	0	-	2	1.4*	0	-	1	0.7*	0	-	3	2.1*	2	1.4*	1	0.7*
MADERA	0	-	0	-	0	-	0	-	2	1.3*	0	-	1	0.6*	0	-	2	1.2*
MARIN	4	1.5*	3	1.1*	15	5.7*	17	6.5*	39	14.9	25	9.5	3	1.1*	4	1.5*	4	1.5*
MARIPOSA	0	-	0	-	0	-	1	5.5*	0	-	0	-	1	5.6*	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	1	1.1*	4	4.5*	0	-	0	-	1	1.1*
MERCED	0	-	0	-	0	-	1	0.4*	0	-	2	0.7*	2	0.7*	5	1.8*	1	0.3*
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	2	21.1*	0	-	0	-
MONO	0	-	0	-	0	-	0	-	1	7.3*	0	-	2	14.7*	2	14.9*	1	7.2*
MONTEREY	2	0.5*	1	0.2*	2	0.5*	6	1.4*	3	0.7*	4	0.9*	2	0.5*	1	0.2*	5	1.1*
NAPA	1	0.7*	3	2.1*	1	0.7*	0	-	4	2.8*	0	-	5	3.6*	1	0.7*	0	-
NEVADA	2	2.0*	0	-	2	2.0*	2	2.0*	1	1.0*	0	-	1	1.0*	0	-	2	2.0*
ORANGE	22	0.7	24	0.8	29	0.9	25	0.8	34	1.1	26	0.8	46	1.4	25	0.8	28	0.9
PLACER	2	0.5*	1	0.3*	3	0.8*	1	0.3*	2	0.5*	2	0.5*	3	0.8*	5	1.3*	6	1.5*
PLUMAS	0	-	0	-	0	-	1	5.4*	1	5.4*	1	5.5*	0	-	2	11.0*	0	-
RIVERSIDE	10	0.4*	9	0.4*	17	0.7*	22	0.9	19	0.8	31	1.3	51	2.1	19	0.8	42	1.7
SACRAMENTO	7	0.5*	6	0.4*	6	0.4*	11	0.7*	19	1.3	16	1.0*	19	1.2	18	1.2*	22	1.4
SAN BENITO	0	-	1	1.7*	0	-	0	-	0	-	2	3.3*	9	14.5*	2	3.2*	3	4.9*
SAN BERNARDINO	6	0.3*	10	0.5*	6	0.3*	9	0.4*	8	0.4*	15	0.7*	11	0.5*	7	0.3*	5	0.2*
SAN DIEGO	24	0.7	36	1.1	25	0.8	34	1.0	55	1.7	90	2.7	99	3.0	29	0.9	53	1.6
SAN FRANCISCO	16	1.9*	17	2.0*	45	5.2	23	2.6	29	3.3	20	2.2	16	1.8*	9	1.0*	30	3.4
SAN JOAQUIN	3	0.4*	1	0.1*	1	0.1*	1	0.1*	32	4.3	5	0.7*	8	1.0*	5	0.6*	2	0.3*
SAN LUIS OBISPO	5	1.8*	8	2.9*	6	2.2*	8	2.9*	9	3.2*	9	3.2*	8	2.9*	3	1.1*	2	0.7*
SAN MATEO	18	2.4*	28	3.7	40	5.2	22	2.9	30	3.9	16	2.1*	33	4.3	9	1.2*	17	2.2*
SANTA BARBARA	10	2.3*	11	2.5*	7	1.6*	15	3.4*	19	4.2	35	7.8	27	6.0	16	3.5*	18	4.0*
SANTA CLARA	23	1.2	27	1.4	16	0.8*	24	1.2	38	1.9	37	1.9	48	2.4	18	0.9*	19	1.0
SANTA CRUZ	1	0.4*	5	1.8*	4	1.5*	9	3.3*	12	4.4*	11	4.0*	6	2.2*	7	2.6*	8	2.9*
SHASTA	1	0.6*	2	1.1*	1	0.6*	0	-	3	1.7*	1	0.6*	3	1.7*	2	1.1*	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	4	8.9*	2	4.5*	1	2.2*	0	-	0	-	0	-	2	4.5*	0	-	2	4.6*
SOLANO	3	0.7*	0	-	3	0.7*	2	0.5*	5	1.1*	1	0.2*	3	0.7*	0	-	5	1.1*
SONOMA	2	0.4*	4	0.8*	5	1.0*	3	0.6*	7	1.4*	6	1.2*	7	1.4*	5	1.0*	7	1.4*
STANISLAUS	2	0.4*	0	-	1	0.2*	1	0.2*	4	0.7*	4	0.7*	1	0.2*	4	0.7*	1	0.2*
SUTTER	3	3.1*	0	-	1	1.0*	0	-	0	-	0	-	0	-	1	1.0*	0	-
TEHAMA	0	-	0	-	0	-	0	-	2	3.1*	0	-	4	6.1*	1	1.5*	4	6.3*
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	1	7.5*	0	-	0	-
TULARE	7	1.5*	10	2.2*	8	1.7*	8	1.7*	12	2.5*	6	1.3*	15	3.1*	5	1.0*	8	1.7*
TUOLUMNE	0	-	0	-	0	-	1	1.9*	1	1.9*	1	1.9*	1	1.9*	0	-	0	-
VENTURA	0	-	8	0.9*	7	0.8*	15	1.8*	17	2.0*	27	3.2	21	2.5	16	1.9*	16	1.9*
YOLO	2	1.0*	4	1.9*	4	1.9*	2	0.9*	7	3.2*	4	1.8*	3	1.4*	3	1.4*	3	1.3*
YUBA	1	1.4*	2	2.7*	1	1.3*	0	-	0	-	2	2.6*	0	-	1	1.3*	1	1.3*

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.



## Cryptosporidiosis

### Cryptosporidiosis, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	307	364	381	435	661	671	761	385	527	
JANUARY	29	30	30	32	32	44	53	69	14	
FEBRUARY	21	23	19	33	26	36	31	49	20	
MARCH	12	27	32	21	30	36	33	26	27	
APRIL	22	33	21	18	27	35	53	15	28	
MAY	19	35	31	31	41	46	49	32	42	
JUNE	28	24	29	33	57	63	78	30	59	
JULY	45	33	30	50	93	97	99	25	49	
AUGUST	31	48	42	68	107	82	82	40	64	
SEPTEMBER	26	41	43	43	87	70	71	28	58	
OCTOBER	32	25	36	38	68	56	76	34	55	
NOVEMBER	22	24	29	38	44	53	75	22	60	
DECEMBER	20	21	39	30	49	53	61	15	51	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Cryptosporidiosis, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	307	0.8	364	0.9	381	1.0	435	1.1	661	1.7	671	1.7	761	1.9	385	1.0	527	1.3
FEMALE	125	0.6	158	0.8	144	0.7	180	0.9	300	1.5	284	1.4	372	1.9	144	0.7	191	1.0
MALE	167	0.9	195	1.0	235	1.2	253	1.3	360	1.8	387	2.0	385	1.9	238	1.2	332	1.7
UNKNOWN	15	-	11	-	2	-	2	-	1	-	0	-	4	-	3	-	4	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Cryptosporidiosis, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	307	0.8	364	0.9	381	1.0	435	1.1	661	1.7	671	1.7	761	1.9	385	1.0	527	1.3
0	1	0.2*	3	0.6*	2	0.4*	3	0.6*	7	1.5*	3	0.7*	1	0.2*	4	0.9*	3	0.7*
1-4	14	0.7*	19	0.9	22	1.1	32	1.6	50	2.5	35	1.8	38	2.0	16	0.9*	28	1.5
5-9	18	0.7*	16	0.6*	25	1.0	29	1.1	26	1.0	31	1.2	27	1.1	16	0.6*	11	0.4*
10-14	14	0.5*	15	0.6*	19	0.7	30	1.2	37	1.4	26	1.0	37	1.4	7	0.3*	18	0.7*
15-24	40	0.7	54	0.9	43	0.7	52	0.9	92	1.6	94	1.6	101	1.8	43	0.8	62	1.1
25-34	52	1.0	79	1.5	75	1.4	75	1.4	147	2.8	136	2.6	146	2.8	98	1.9	124	2.4
35-44	45	0.9	55	1.1	54	1.0	56	1.1	97	1.9	101	1.9	120	2.3	55	1.0	89	1.7
45-54	56	1.1	53	1.0	57	1.1	65	1.2	68	1.3	98	1.9	95	1.9	50	1.0	65	1.3
55-64	30	0.7	30	0.7	45	1.0	49	1.0	64	1.3	67	1.4	87	1.8	42	0.9	61	1.2
65+	33	0.7	37	0.7	39	0.7	43	0.8	73	1.3	80	1.4	109	1.8	54	0.9	62	0.9
UNKNOWN	4	-	3	-	0	-	1	-	0	-	0	-	0	-	0	-	4	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

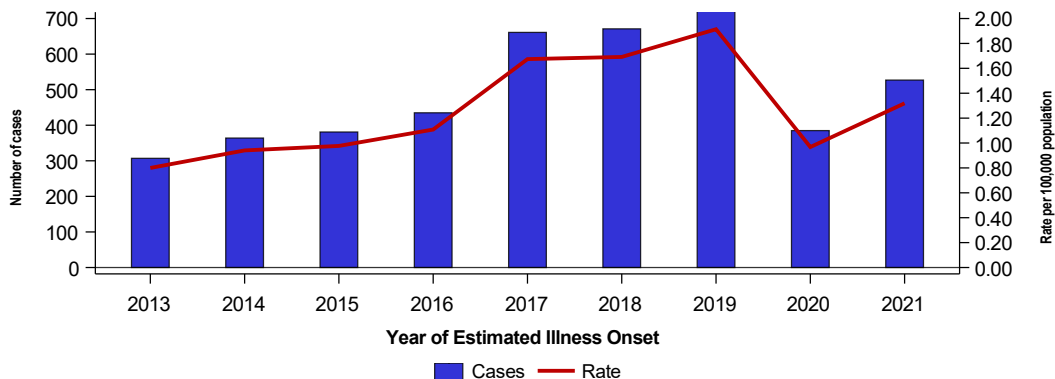
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Cryptosporidiosis, Cases by Race/Ethnicity, California, 2013-2021

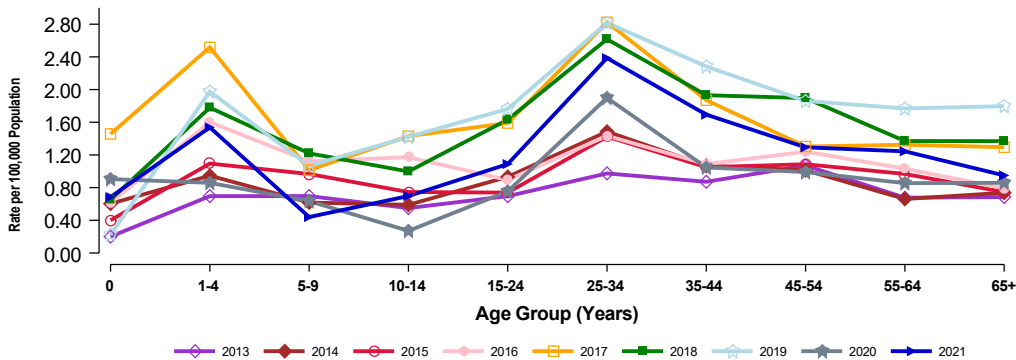
RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	307	364	381	435	661	671	761	385	527	
WHITE, NON-HISPANIC	112	123	162	167	249	269	268	137	185	
HISPANIC/LATINO	50	67	67	90	153	149	185	83	150	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	11	15	15	17	39	21	31	8	25	
BLACK, NON-HISPANIC	17	20	22	18	26	21	19	20	26	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	2	0	0	1	3	0	0	0	
MULTIPLE RACE, NON-HISPANIC	4	2	1	0	0	2	2	4	2	
OTHER, NON-HISPANIC	2	7	11	14	30	31	50	28	28	
UNKNOWN	111	128	103	129	163	175	206	105	111	

For inclusion/exclusion criteria, please refer to the Technical Notes.

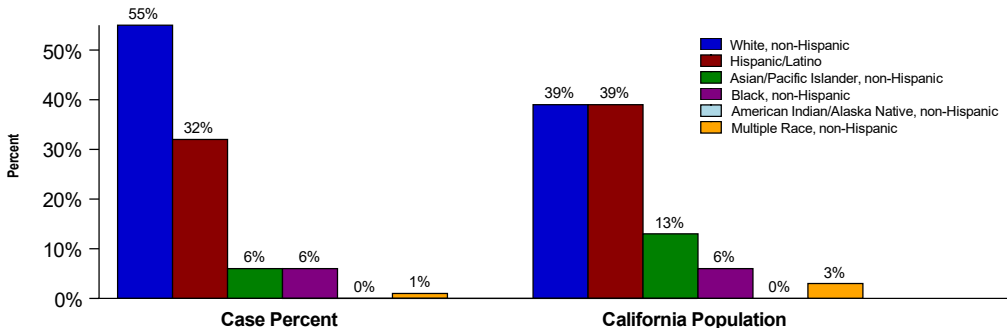
### Cryptosporidiosis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021



### Cryptosporidiosis Incidence Rates by Age Group and Year of Estimated Illness Onset, California, 2013-2021



### Cryptosporidiosis Cases and Population by Race/Ethnicity, California, 2013-2021



27.4% (n=1231) of reported incidents of Cryptosporidiosis did not identify race/ethnicity and 4.5% (n=201) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

# Cyclosporiasis

## Cyclosporiasis, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	2	0.0*	3	0.0*	15	0.0*	22	0.1	64	0.2	172	0.4	90	0.2	19	0.0	70	0.2
ALAMEDA COUNTY TOTAL	0	-	0	-	1	0.1*	0	-	2	0.1*	6	0.4*	0	-	0	-	8	0.5*
ALAMEDA	0	-	0	-	1	0.1*	0	-	1	0.1*	4	0.3*	0	-	0	-	8	0.5*
BERKELEY	0	-	0	-	0	-	0	-	1	0.8*	2	1.6*	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	1	2.6*	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	0	-	0	-	0	-	1	0.1*	0	-	2	0.2*	0	-	0	-	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	1	0.5*	0	-	2	1.1*	0	-	0	-	0	-
FRESNO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	1	0.7*	0	-	0	-	0	-
IMPERIAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.5*
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	1	0.1*	0	-	0	-	4	0.4*	3	0.3*	0	-	2	0.2*
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.6*
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	1	1.6*	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	0	-	1	0.0*	1	0.0*	6	0.1*	16	0.2*	33	0.3	30	0.3	3	0.0*	3	0.0*
LOS ANGELES	0	-	1	0.0*	0	-	4	0.0*	14	0.1*	29	0.3	27	0.3	3	0.0*	0	-
LONG BEACH	0	-	0	-	1	0.2*	2	0.4*	2	0.4*	4	0.8*	3	0.6*	0	-	3	0.7*
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	1	0.6*	0	-	0	-
MARIN	0	-	0	-	0	-	0	-	0	-	2	0.8*	2	0.8*	1	0.4*	1	0.4*
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	1	1.1*	0	-	2	2.3*
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	0	-	0	-	0	-	0	-	1	0.2*	1	0.2*	1	0.2*	0	-
NAPA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	1	0.0*	0	-	0	-	1	0.0*	2	0.1*	6	0.2*	8	0.3*	2	0.1*	8	0.2*
PLACER	0	-	0	-	0	-	0	-	1	0.3*	3	0.8*	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	1	0.0*	0	-	0	-	3	0.1*	1	0.0*	3	0.1*	0	-	8	0.3*
SACRAMENTO	0	-	0	-	0	-	0	-	0	-	2	0.1*	1	0.1*	0	-	3	0.2*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	1	1.6*	1	1.6*	0	-
SAN BERNARDINO	0	-	0	-	0	-	1	0.0*	2	0.1*	1	0.0*	1	0.0*	0	-	0	-
SAN DIEGO	0	-	0	-	1	0.0*	1	0.0*	5	0.2*	8	0.2*	10	0.3*	3	0.1*	3	0.1*
SAN FRANCISCO	0	-	0	-	1	0.1*	0	-	4	0.5*	35	3.9	4	0.4*	2	0.2*	7	0.8*
SAN JOAQUIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN LUIS OBISPO	0	-	1	0.4*	0	-	0	-	0	-	0	-	2	0.7*	0	-	1	0.4*
SAN MATEO	0	-	0	-	3	0.4*	2	0.3*	4	0.5*	25	3.2	3	0.4*	0	-	2	0.3*
SANTA BARBARA	1	0.2*	0	-	2	0.5*	1	0.2*	3	0.7*	1	0.2*	5	1.1*	2	0.4*	7	1.5*
SANTA CLARA	0	-	0	-	3	0.2*	3	0.2*	8	0.4*	29	1.5	5	0.3*	0	-	7	0.4*
SANTA CRUZ	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SHASTA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SONOMA	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-	0	-
STANISLAUS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SUTTER	0	-	0	-	0	-	1	1.0*	0	-	2	2.0*	0	-	1	1.0*	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	0	-	0	-	5	1.1*	0	-	0	-	2	0.4*	1	0.2*
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	0	-	0	-	2	0.2*	4	0.5*	9	1.1*	5	0.6*	8	0.9*	1	0.1*	3	0.4*
YOLO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*
YUBA	0	-	0	-	0	-	0	-	0	-	1	1.3*	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

## Cyclosporiasis

### Cyclosporiasis, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	2	3	15	22	64	172	90	19	70	
JANUARY	0	0	0	0	0	0	2	0	0	
FEBRUARY	0	0	0	0	0	1	3	1	0	
MARCH	0	0	0	1	1	0	0	1	0	
APRIL	0	0	1	0	0	4	2	1	0	
MAY	0	0	2	3	6	54	7	0	4	
JUNE	0	1	3	3	27	63	42	1	27	
JULY	2	2	6	4	20	31	21	9	25	
AUGUST	0	0	1	6	4	12	6	3	9	
SEPTEMBER	0	0	0	4	1	4	3	2	4	
OCTOBER	0	0	1	1	2	1	1	0	0	
NOVEMBER	0	0	1	0	2	1	2	1	0	
DECEMBER	0	0	0	0	1	1	1	0	1	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Cyclosporiasis, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	2	0.0*	3	0.0*	15	0.0*	22	0.1	64	0.2	172	0.4	90	0.2	19	0.0	70	0.2
FEMALE	2	0.0*	2	0.0*	8	0.0*	10	0.1*	29	0.1	82	0.4	44	0.2	9	0.0*	33	0.2
MALE	0	-	1	0.0*	7	0.0*	12	0.1*	35	0.2	90	0.5	45	0.2	10	0.1*	37	0.2
UNKNOWN	0	-	0	-	0	-	0	-	0	-	0	-	1	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Cyclosporiasis, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	2	0.0*	3	0.0*	15	0.0*	22	0.1	64	0.2	172	0.4	90	0.2	19	0.0	70	0.2
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-
1-4	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-
5-9	0	-	0	-	0	-	0	-	1	0.0*	2	0.1*	1	0.0*	0	-	0	-
10-14	0	-	0	-	0	-	0	-	1	0.0*	2	0.1*	1	0.0*	1	0.0*	1	0.0*
15-24	0	-	0	-	0	-	4	0.1*	2	0.0*	14	0.2*	5	0.1*	0	-	1	0.0*
25-34	0	-	0	-	4	0.1*	3	0.1*	12	0.2*	19	0.4	5	0.1*	2	0.0*	15	0.3*
35-44	1	0.0*	0	-	2	0.0*	3	0.1*	11	0.2*	43	0.8	18	0.3*	4	0.1*	19	0.4
45-54	0	-	1	0.0*	3	0.1*	2	0.0*	13	0.2*	30	0.6	20	0.4	4	0.1*	13	0.3*
55-64	1	0.0*	1	0.0*	3	0.1*	6	0.1*	5	0.1*	27	0.6	18	0.4*	2	0.0*	10	0.2*
65+	0	-	1	0.0*	3	0.1*	3	0.1*	19	0.3	21	0.4	22	0.4	4	0.1*	11	0.2*
UNKNOWN	0	-	0	-	0	-	1	-	0	-	14	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

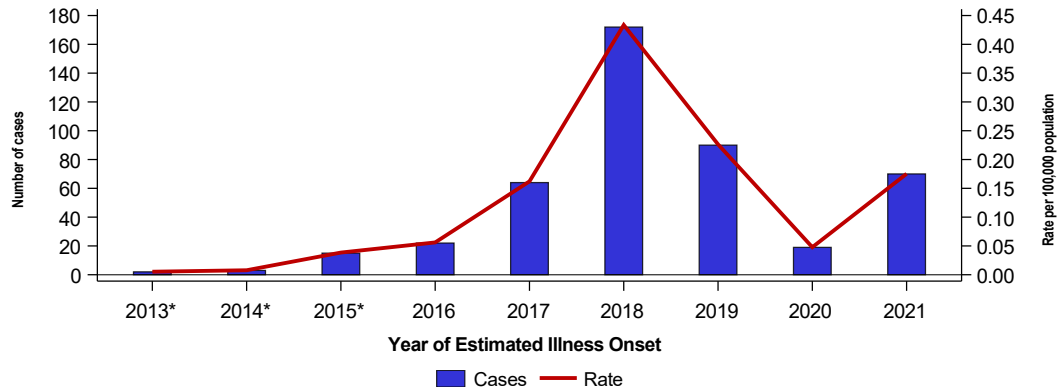
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Cyclosporiasis, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	2	3	15	22	64	172	90	19	70	
WHITE, NON-HISPANIC	2	1	5	6	30	60	28	8	21	
HISPANIC/LATINO	0	1	4	7	13	23	35	6	21	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	0	0	1	0	3	7	0	0	3	
BLACK, NON-HISPANIC	0	1	0	0	0	2	0	0	3	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	0	5	0	0	0	
OTHER, NON-HISPANIC	0	0	0	0	1	9	3	1	3	
UNKNOWN	0	0	5	9	17	66	24	4	19	

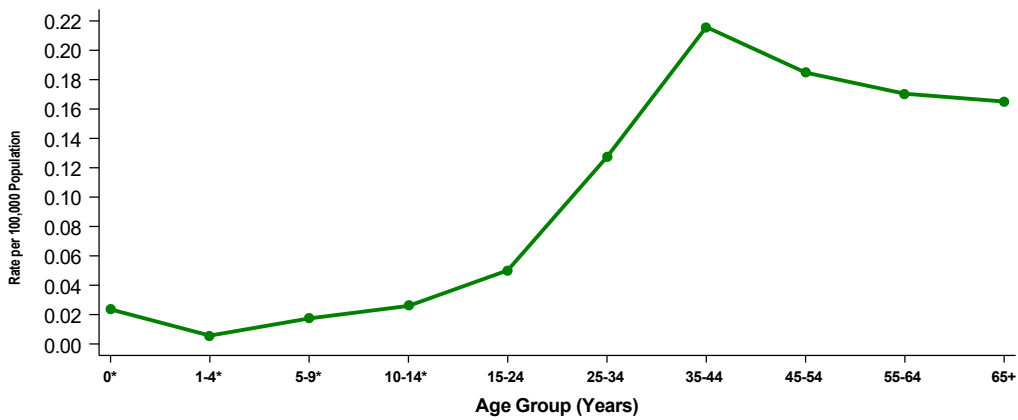
For inclusion/exclusion criteria, please refer to the Technical Notes.

### Cyclosporiasis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021



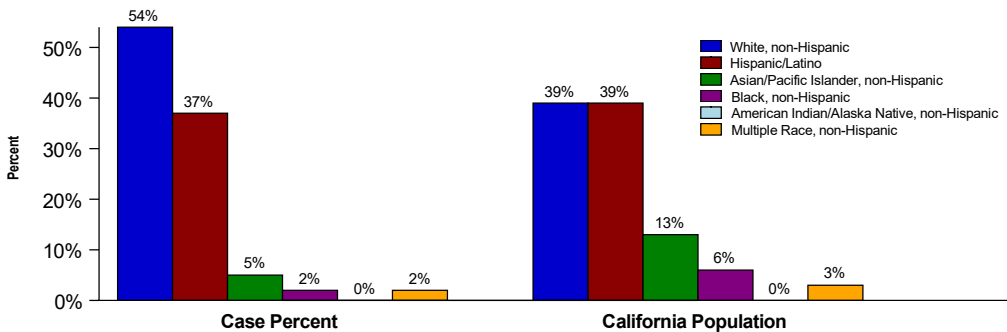
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Cyclosporiasis Average Incidence Rates by Age Group, California, 2013-2021



\*Potentially unreliable rate: relative standard error 23 percent or more.

### Cyclosporiasis Cases and Population by Race/Ethnicity, California, 2013-2021



31.5% (n=144) of reported incidents of Cyclosporiasis did not identify race/ethnicity and 3.7% (n=17) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

## Cysticercosis or Taeniasis

### Cysticercosis or Taeniasis, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	23	0.1	27	0.1	33	0.1	35	0.1	29	0.1	20	0.1	16	0.0*	14	0.0*	14	0.0*
ALAMEDA COUNTY TOTAL	0	-	1	0.1*	1	0.1*	3	0.2*	2	0.1*	1	0.1*	1	0.1*	3	0.2*	0	-
ALAMEDA	0	-	1	0.1*	1	0.1*	2	0.1*	2	0.1*	1	0.1*	1	0.1*	3	0.2*	0	-
BERKELEY	0	-	0	-	0	-	1	0.8*	0	-	0	-	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	1	0.4*	1	0.4*	0	-	1	0.4*	0	-	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	0	-	0	-	0	-	1	0.1*	1	0.1*	0	-	0	-	2	0.2*	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
FRESNO	0	-	1	0.1*	0	-	3	0.3*	1	0.1*	2	0.2*	2	0.2*	0	-	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
IMPERIAL	1	0.6*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	0	-	0	-	1	0.1*	1	0.1*	1	0.1*	0	-	0	-
KINGS	0	-	0	-	0	-	1	0.7*	0	-	0	-	0	-	1	0.6*	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	4	0.0*	7	0.1*	11	0.1*	7	0.1*	9	0.1*	4	0.0*	6	0.1*	1	0.0*	2	0.0*
LOS ANGELES	4	0.0*	7	0.1*	11	0.1*	4	0.0*	7	0.1*	4	0.0*	6	0.1*	1	0.0*	2	0.0*
LONG BEACH	0	-	0	-	0	-	3	0.6*	1	0.2*	0	-	0	-	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	1	0.7*	0	-	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-	1	0.4*	2	0.7*	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	2	0.5*	1	0.2*	1	0.2*	0	-	0	-	0	-	0	-	0	-
NAPA	2	1.4*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	1	0.0*	3	0.1*	4	0.1*	5	0.2*	6	0.2*	2	0.1*	0	-	0	-	0	-
PLACER	0	-	0	-	0	-	0	-	1	0.3*	0	-	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	3	0.1*	2	0.1*	7	0.3*	2	0.1*	0	-	3	0.1*	0	-	0	-	2	0.1*
SACRAMENTO	1	0.1*	0	-	0	-	1	0.1*	2	0.1*	1	0.1*	1	0.1*	1	0.1*	1	0.1*
SAN BENITO	0	-	1	1.7*	0	-	0	-	0	-	0	-	0	-	0	-	1	1.6*
SAN BERNARDINO	1	0.0*	1	0.0*	2	0.1*	2	0.1*	0	-	0	-	1	0.0*	0	-	0	-
SAN DIEGO	2	0.1*	4	0.1*	0	-	1	0.0*	1	0.0*	1	0.0*	0	-	2	0.1*	1	0.0*
SAN FRANCISCO	1	0.1*	0	-	1	0.1*	1	0.1*	1	0.1*	0	-	0	-	0	-	2	0.2*
SAN JOAQUIN	0	-	2	0.3*	2	0.3*	2	0.3*	0	-	1	0.1*	0	-	0	-	0	-
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA BARBARA	1	0.2*	2	0.5*	0	-	1	0.2*	0	-	0	-	0	-	1	0.2*	0	-
SANTA CLARA	0	-	0	-	0	-	3	0.2*	0	-	0	-	2	0.1*	1	0.1*	4	0.2*
SANTA CRUZ	0	-	0	-	1	0.4*	0	-	0	-	0	-	0	-	0	-	0	-
SHASTA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	1	2.2*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-
SONOMA	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-	0	-	0	-
STANISLAUS	1	0.2*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	3	0.7*	0	-	1	0.2*	1	0.2*	2	0.4*	1	0.2*	0	-	1	0.2*	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	1	0.1*
YOLO	1	0.5*	0	-	0	-	0	-	0	-	2	0.9*	0	-	0	-	0	-
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

## Cysticercosis or Taeniasis

### Cysticercosis or Taeniasis, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	23	27	33	35	29	20	16	14	14	
JANUARY	4	0	3	3	2	1	2	1	0	
FEBRUARY	3	4	3	1	4	0	2	0	3	
MARCH	3	0	5	4	1	1	0	2	1	
APRIL	2	5	3	2	4	2	1	2	4	
MAY	0	3	1	3	2	4	1	1	1	
JUNE	3	3	2	5	2	4	3	3	1	
JULY	1	2	4	5	5	0	3	1	2	
AUGUST	1	2	1	3	2	1	3	0	0	
SEPTEMBER	1	3	4	1	4	3	0	1	0	
OCTOBER	1	2	5	3	2	2	0	2	1	
NOVEMBER	2	2	1	3	1	0	0	0	1	
DECEMBER	2	1	1	2	0	2	1	1	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Cysticercosis or Taeniasis, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	23	0.1	27	0.1	33	0.1	35	0.1	29	0.1	20	0.1	16	0.0*	14	0.0*	14	0.0*
FEMALE	7	0.0*	10	0.1*	8	0.0*	16	0.1*	13	0.1*	8	0.0*	7	0.0*	6	0.0*	7	0.0*
MALE	16	0.1*	17	0.1*	25	0.1	19	0.1	16	0.1*	12	0.1*	9	0.0*	8	0.0*	7	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Cysticercosis or Taeniasis, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	23	0.1	27	0.1	33	0.1	35	0.1	29	0.1	20	0.1	16	0.0*	14	0.0*	14	0.0*
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	0	-	1	0.0*	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-
10-14	0	-	0	-	0	-	0	-	0	-	0	-	0	-	2	0.1*	0	-
15-24	6	0.1*	1	0.0*	2	0.0*	2	0.0*	6	0.1*	1	0.0*	3	0.1*	3	0.1*	0	-
25-34	7	0.1*	7	0.1*	6	0.1*	7	0.1*	2	0.0*	4	0.1*	4	0.1*	1	0.0*	2	0.0*
35-44	3	0.1*	6	0.1*	12	0.2*	13	0.3*	7	0.1*	5	0.1*	4	0.1*	1	0.0*	6	0.1*
45-54	5	0.1*	5	0.1*	5	0.1*	5	0.1*	7	0.1*	8	0.2*	5	0.1*	5	0.1*	1	0.0*
55-64	1	0.0*	6	0.1*	5	0.1*	5	0.1*	5	0.1*	2	0.0*	0	-	1	0.0*	0	-
65+	1	0.0*	1	0.0*	2	0.0*	3	0.1*	2	0.0*	0	-	0	-	1	0.0*	5	0.1*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

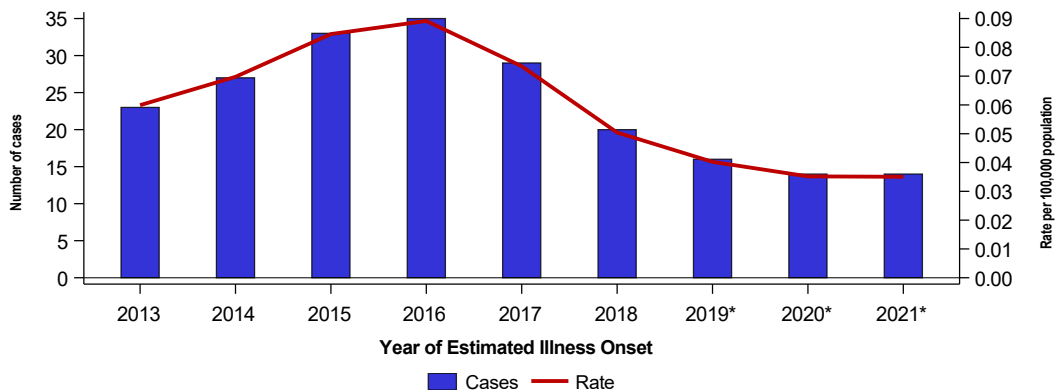
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Cysticercosis or Taeniasis, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	23	27	33	35	29	20	16	14	14	
WHITE, NON-HISPANIC	0	3	2	0	0	0	0	0	1	
HISPANIC/LATINO	20	17	25	20	21	11	11	7	8	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	0	2	1	3	4	2	1	2	1	
BLACK, NON-HISPANIC	1	1	2	2	1	1	1	1	2	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	1	0	0	0	0	
OTHER, NON-HISPANIC	0	0	0	1	0	0	0	1	0	
UNKNOWN	2	4	3	9	2	6	3	3	2	

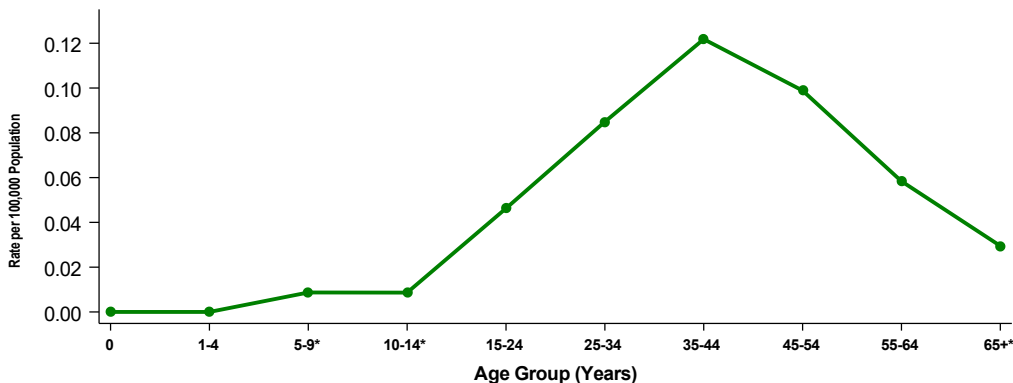
For inclusion/exclusion criteria, please refer to the Technical Notes.

### Cysticercosis or Taeniasis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021



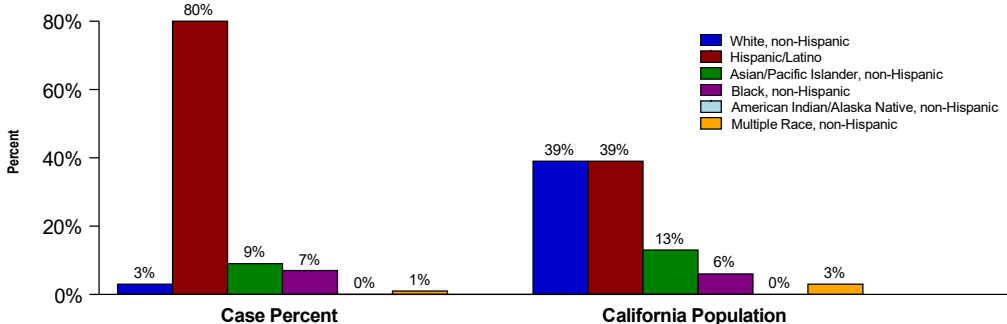
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Cysticercosis or Taeniasis Average Incidence Rates by Age Group, California, 2013-2021



\*Potentially unreliable rate: relative standard error 23 percent or more.

### Cysticercosis or Taeniasis Cases and Population by Race/Ethnicity, California, 2013-2021



16.1% (n=34) of reported incidents of Cysticercosis or Taeniasis did not identify race/ethnicity and 0.9% (n=2) of reported incidents identified as "Other" race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.



# Dengue Virus Infection

## Dengue Virus Infection, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013	2014	2015	2016	2017	2018	2019	2020	2021									
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE								
<b>CALIFORNIA TOTAL</b>	126	0.3	130	0.3	144	0.4	201	0.5	132	0.3	107	0.3	266	0.7	84	0.2	34	0.1*
<b>ALAMEDA COUNTY TOTAL</b>	18	1.1*	5	0.3*	15	0.9*	16	1.0*	20	1.2	7	0.4*	23	1.4	5	0.3*	2	0.1*
ALAMEDA	14	1.0*	5	0.3*	13	0.9*	12	0.8*	18	1.2*	7	0.5*	23	1.5	4	0.3*	2	0.1*
BERKELEY	4	3.4*	0	-	2	1.7*	4	3.3*	2	1.7*	0	-	0	-	1	0.8*	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	1	2.8*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	1	0.5*	1	0.4*	0	-	0	-	1	0.4*	0	-	2	0.9*	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	3	0.3*	3	0.3*	7	0.6*	10	0.9*	4	0.4*	6	0.5*	17	1.5*	1	0.1*	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	1	0.5*	2	1.1*	0	-	1	0.5*	1	0.5*	0	-
FRESNO	3	0.3*	2	0.2*	1	0.1*	6	0.6*	2	0.2*	0	-	2	0.2*	1	0.1*	1	0.1*
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	1	0.7*	1	0.7*	0	-	0	-	0	-	0	-
IMPERIAL	0	-	0	-	3	1.6*	1	0.5*	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	2	0.2*	3	0.3*	1	0.1*	0	-	0	-	3	0.3*	1	0.1*	2	0.2*	0	-
KINGS	2	1.3*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
<b>LOS ANGELES COUNTY TOTAL</b>	25	0.2	36	0.4	36	0.4	50	0.5	20	0.2	28	0.3	56	0.5	22	0.2	7	0.1*
LOS ANGELES	21	0.2	33	0.3	30	0.3	47	0.5	19	0.2	24	0.3	52	0.5	19	0.2	6	0.1*
LONG BEACH	3	0.6*	3	0.6*	5	1.1*	0	-	1	0.2*	3	0.6*	2	0.4*	3	0.6*	0	-
PASADENA	1	0.7*	0	-	1	0.7*	3	2.1*	0	-	1	0.7*	2	1.4*	0	-	1	0.7*
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIN	4	1.5*	1	0.4*	1	0.4*	3	1.1*	2	0.8*	0	-	3	1.1*	1	0.4*	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	1	1.1*	0	-	0	-	1	1.1*	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	1	0.4*	0	-	0	-	0	-	1	0.4*	1	0.4*	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	1	0.2*	2	0.5*	1	0.2*	3	0.7*	0	-	1	0.2*	0	-	0	-
NAPA	3	2.1*	1	0.7*	0	-	1	0.7*	0	-	0	-	0	-	2	1.4*	0	-
NEVADA	0	-	0	-	0	-	0	-	1	1.0*	0	-	0	-	0	-	0	-
ORANGE	7	0.2*	17	0.5*	12	0.4*	12	0.4*	10	0.3*	12	0.4*	19	0.6	7	0.2*	5	0.2*
PLACER	1	0.3*	0	-	3	0.8*	2	0.5*	1	0.3*	1	0.3*	3	0.8*	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	4	0.2*	5	0.2*	6	0.3*	3	0.1*	1	0.0*	1	0.0*	7	0.3*	3	0.1*	0	-
SACRAMENTO	2	0.1*	3	0.2*	6	0.4*	3	0.2*	6	0.4*	1	0.1*	10	0.6*	1	0.1*	3	0.2*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	1	1.6*	0	-	0	-	0	-
SAN BERNARDINO	3	0.1*	7	0.3*	2	0.1*	7	0.3*	3	0.1*	0	-	6	0.3*	3	0.1*	0	-
SAN DIEGO	12	0.4*	8	0.2*	12	0.4*	23	0.7	9	0.3*	9	0.3*	26	0.8	4	0.1*	3	0.1*
SAN FRANCISCO	3	0.4*	7	0.8*	4	0.5*	4	0.5*	2	0.2*	3	0.3*	14	1.6*	1	0.1*	0	-
SAN JOAQUIN	2	0.3*	0	-	0	-	3	0.4*	2	0.3*	0	-	2	0.3*	2	0.3*	2	0.3*
SAN LUIS OBISPO	0	-	2	0.7*	1	0.4*	1	0.4*	1	0.4*	1	0.4*	5	1.8*	0	-	0	-
SAN MATEO	5	0.7*	6	0.8*	11	1.4*	10	1.3*	3	0.4*	8	1.0*	8	1.0*	4	0.5*	1	0.1*
SANTA BARBARA	4	0.9*	0	-	3	0.7*	5	1.1*	1	0.2*	0	-	1	0.2*	0	-	1	0.2*
SANTA CLARA	10	0.5*	13	0.7*	11	0.6*	20	1.0	24	1.2	14	0.7*	40	2.0	7	0.4*	7	0.4*
SANTA CRUZ	2	0.7*	0	-	3	1.1*	1	0.4*	2	0.7*	1	0.4*	1	0.4*	1	0.4*	0	-
SHASTA	0	-	0	-	0	-	0	-	0	-	1	0.6*	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	2	0.5*	0	-	0	-	3	0.7*	4	0.9*	2	0.5*	2	0.5*	0	-	2	0.4*
SONOMA	3	0.6*	5	1.0*	0	-	2	0.4*	1	0.2*	0	-	4	0.8*	5	1.0*	0	-
STANISLAUS	1	0.2*	0	-	1	0.2*	4	0.7*	2	0.4*	2	0.4*	0	-	2	0.4*	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	3	3.0*	0	-
TEHAMA	0	-	0	-	0	-	1	1.6*	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	1	0.2*	1	0.2*	0	-	1	0.2*	1	0.2*	1	0.2*	0	-
TUOLUMNE	0	-	0	-	0	-	1	1.9*	0	-	1	1.9*	1	1.9*	0	-	0	-
VENTURA	2	0.2*	1	0.1*	0	-	3	0.4*	3	0.4*	2	0.2*	6	0.7*	3	0.4*	0	-
YOLO	1	0.5*	2	1.0*	1	0.5*	1	0.5*	1	0.5*	1	0.5*	3	1.4*	1	0.5*	0	-
YUBA	0	-	0	-	0	-	0	-	0	-	1	1.3*	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.

## Dengue Virus Infection

### Dengue Virus Infection, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	126	130	144	201	132	107	266	84	34	
JANUARY	4	11	10	28	11	6	11	25	4	
FEBRUARY	4	2	9	19	8	1	1	4	0	
MARCH	6	4	6	15	5	1	5	5	1	
APRIL	4	2	10	10	2	3	13	0	1	
MAY	4	7	9	8	5	5	10	1	1	
JUNE	6	11	11	10	5	10	10	5	3	
JULY	19	18	14	27	18	18	34	2	2	
AUGUST	21	17	17	30	23	16	57	11	3	
SEPTEMBER	9	8	11	18	19	6	33	8	2	
OCTOBER	22	20	15	19	20	17	47	10	10	
NOVEMBER	19	18	12	10	12	16	29	9	5	
DECEMBER	8	12	20	7	4	8	16	4	2	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Dengue Virus Infection, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	126	0.3	130	0.3	144	0.4	201	0.5	132	0.3	107	0.3	266	0.7	84	0.2	34	0.1
FEMALE	54	0.3	65	0.3	83	0.4	107	0.5	67	0.3	51	0.3	144	0.7	45	0.2	9	0.0*
MALE	71	0.4	65	0.3	61	0.3	92	0.5	65	0.3	56	0.3	122	0.6	39	0.2	25	0.1
UNKNOWN	1	-	0	-	0	-	2	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Dengue Virus Infection, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	126	0.3	130	0.3	144	0.4	201	0.5	132	0.3	107	0.3	266	0.7	84	0.2	34	0.1
0	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-	0	-	1	0.2*
1-4	0	-	0	-	0	-	3	0.2*	1	0.1*	0	-	3	0.2*	0	-	0	-
5-9	2	0.1*	4	0.2*	4	0.2*	4	0.2*	4	0.2*	3	0.1*	9	0.4*	3	0.1*	0	-
10-14	9	0.4*	2	0.1*	4	0.2*	5	0.2*	6	0.2*	6	0.2*	16	0.6*	3	0.1*	0	-
15-24	23	0.4	17	0.3*	18	0.3*	17	0.3*	18	0.3*	14	0.2*	26	0.5	10	0.2*	2	0.0*
25-34	13	0.2*	16	0.3*	35	0.7	44	0.8	31	0.6	16	0.3*	44	0.8	13	0.3*	3	0.1*
35-44	26	0.5	25	0.5	20	0.4	49	1.0	28	0.5	22	0.4	43	0.8	11	0.2*	11	0.2*
45-54	21	0.4	24	0.5	31	0.6	35	0.7	19	0.4	11	0.2*	45	0.9	10	0.2*	7	0.1*
55-64	19	0.4	32	0.7	19	0.4	25	0.5	12	0.2*	16	0.3*	41	0.8	15	0.3*	4	0.1*
65+	11	0.2*	9	0.2*	12	0.2*	19	0.3	12	0.2*	19	0.3	39	0.6	19	0.3	6	0.1*
UNKNOWN	2	-	1	-	1	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

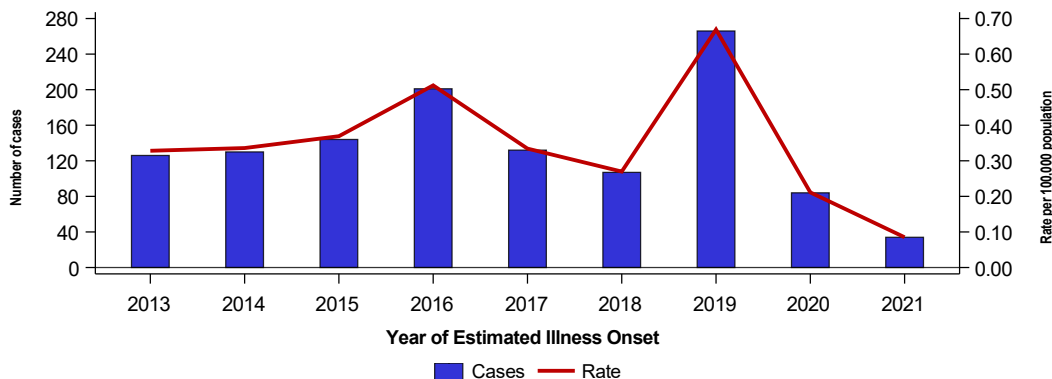
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Dengue Virus Infection, Cases by Race/Ethnicity, California, 2013-2021

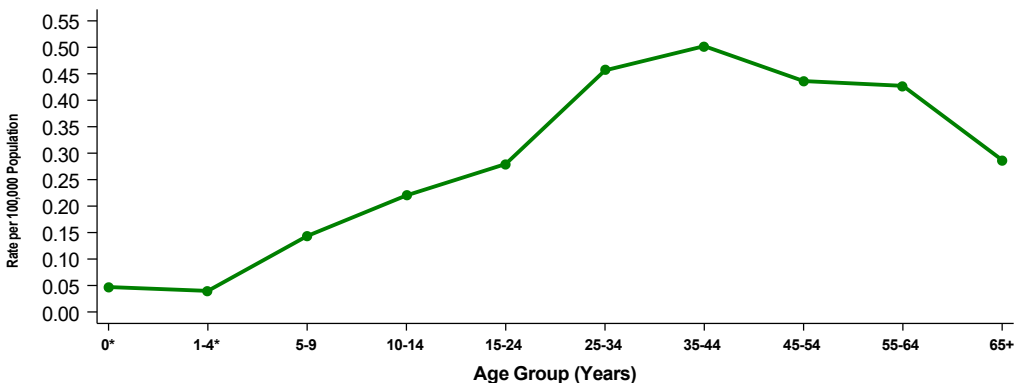
RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	126	130	144	201	132	107	266	84	34	
WHITE, NON-HISPANIC	32	30	30	48	9	24	36	11	3	
HISPANIC/LATINO	29	38	43	53	22	23	89	38	10	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	30	24	32	43	58	29	44	11	8	
BLACK, NON-HISPANIC	0	1	0	2	0	1	3	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	1	0	1	1	0	2	0	1	
OTHER, NON-HISPANIC	2	3	3	5	2	4	10	7	7	
UNKNOWN	33	33	36	49	40	26	82	17	5	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Dengue Virus Infection Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021

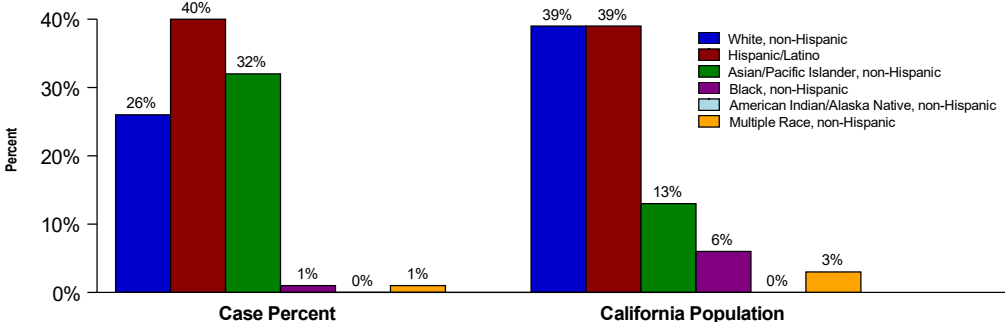


### Dengue Virus Infection Average Incidence Rates by Age Group, California, 2013-2021



\*Potentially unreliable rate: relative standard error 23 percent or more.

### Dengue Virus Infection Cases and Population by Race/Ethnicity, California, 2013-2021



26.2% (n=321) of reported incidents of Dengue Virus Infection did not identify race/ethnicity and 3.5% (n=43) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

## **Domoic Acid Poisoning**

No cases of Domoic Acid Poisoning were reported to CDPH with illness onset during 2013-2021

# Ehrlichiosis

## Ehrlichiosis, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	3	0.0*	1	0.0*	1	0.0*	1	0.0*	3	0.0*	3	0.0*	2	0.0*	3	0.0*	3	0.0*
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-
ALAMEDA	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-
BERKELEY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
FRESNO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
IMPERIAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	1	0.0*
LOS ANGELES	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*
LONG BEACH	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NAPA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PLACER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SACRAMENTO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	0	-	0	-	0	-	0	-	1	0.0*	1	0.0*	0	-	0	-	0	-
SAN DIEGO	1	0.0*	0	-	0	-	0	-	0	-	1	0.0*	2	0.1*	1	0.0*	2	0.1*
SAN FRANCISCO	0	-	1	0.1*	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-
SAN JOAQUIN	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA BARBARA	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-
SANTA CLARA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CRUZ	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SHASTA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SONOMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
STANISLAUS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
YOLO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.

## Ehrlichiosis

### Ehrlichiosis, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	3	1	1	1	3	3	2	3	3	
JANUARY	0	0	0	0	0	0	0	0	0	
FEBRUARY	0	0	0	0	0	0	0	0	0	
MARCH	0	0	0	0	0	0	0	1	0	
APRIL	0	0	0	0	0	1	0	0	0	
MAY	0	0	1	0	0	0	0	0	1	
JUNE	0	0	0	0	1	0	1	0	0	
JULY	3	0	0	1	1	0	0	1	1	
AUGUST	0	0	0	0	1	0	0	0	0	
SEPTEMBER	0	0	0	0	0	1	0	0	0	
OCTOBER	0	0	0	0	0	1	0	0	0	
NOVEMBER	0	1	0	0	0	0	1	1	0	
DECEMBER	0	0	0	0	0	0	0	0	1	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Ehrlichiosis, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	3	0.0*	1	0.0*	1	0.0*	1	0.0*	3	0.0*	3	0.0*	2	0.0*	3	0.0*	3	0.0*
FEMALE	2	0.0*	1	0.0*	0	-	0	-	1	0.0*	0	-	1	0.0*	1	0.0*	1	0.0*
MALE	1	0.0*	0	-	1	0.0*	1	0.0*	2	0.0*	3	0.0*	1	0.0*	2	0.0*	2	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Ehrlichiosis, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	3	0.0*	1	0.0*	1	0.0*	1	0.0*	3	0.0*	3	0.0*	2	0.0*	3	0.0*	3	0.0*
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
10-14	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
15-24	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-
25-34	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*
35-44	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-
45-54	0	-	0	-	0	-	1	0.0*	2	0.0*	0	-	0	-	0	-	0	-
55-64	1	0.0*	0	-	0	-	0	-	0	-	1	0.0*	0	-	2	0.0*	2	0.0*
65+	1	0.0*	0	-	0	-	0	-	1	0.0*	2	0.0*	1	0.0*	1	0.0*	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

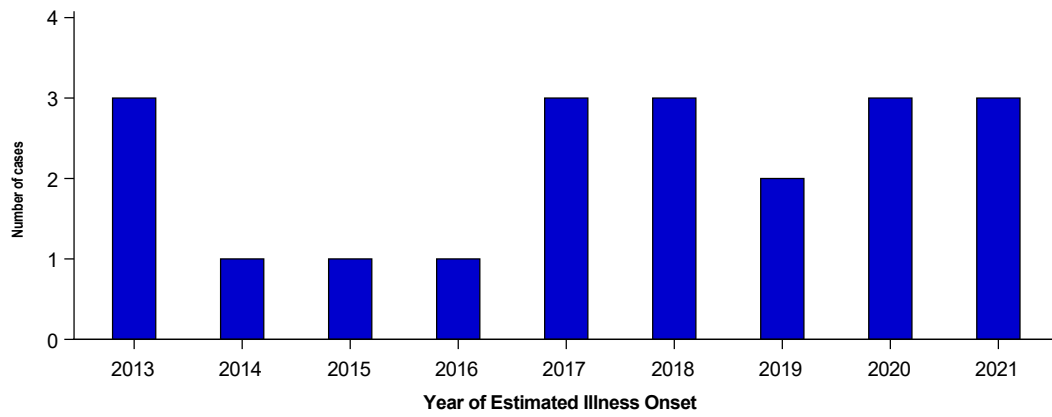
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Ehrlichiosis, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	3	1	1	1	3	3	2	3	3	
WHITE, NON-HISPANIC	1	0	0	0	1	2	0	1	1	
HISPANIC/LATINO	0	0	0	0	0	0	0	0	0	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	0	0	0	0	0	1	0	0	0	
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
OTHER, NON-HISPANIC	0	0	0	0	0	0	0	1	1	
UNKNOWN	2	1	1	1	2	0	2	1	1	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Ehrlichiosis Cases by Year of Estimated Illness Onset, California, 2013-2021



## Flavivirus Infection of Undetermined Species

Flavivirus Infection of Undetermined Species, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	-	-	-	2	0	0	1	0.0*	0	0
ALAMEDA COUNTY TOTAL	-	-	-	0	0	0	0	-	0	0
ALAMEDA	-	-	-	0	0	0	0	-	0	0
BERKELEY	-	-	-	0	0	0	0	-	0	0
ALPINE	-	-	-	0	0	0	0	-	0	0
AMADOR	-	-	-	0	0	0	0	-	0	0
BUTTE	-	-	-	0	0	0	0	-	0	0
CALAVERAS	-	-	-	0	0	0	0	-	0	0
COLUSA	-	-	-	0	0	0	0	-	0	0
CONTRA COSTA	-	-	-	0	0	0	0	-	0	0
DEL NORTE	-	-	-	0	0	0	0	-	0	0
EL DORADO	-	-	-	0	0	0	0	-	0	0
FRESNO	-	-	-	0	0	0	0	-	0	0
GLENN	-	-	-	0	0	0	0	-	0	0
HUMBOLDT	-	-	-	0	0	0	0	-	0	0
IMPERIAL	-	-	-	0	0	0	0	-	0	0
INYO	-	-	-	0	0	0	0	-	0	0
KERN	-	-	-	0	0	0	1	0.1*	0	0
KINGS	-	-	-	0	0	0	0	-	0	0
LAKE	-	-	-	0	0	0	0	-	0	0
LASSEN	-	-	-	0	0	0	0	-	0	0
LOS ANGELES COUNTY TOTAL	-	-	-	0	0	0	0	-	0	0
LOS ANGELES	-	-	-	0	0	0	0	-	0	0
LONG BEACH	-	-	-	0	0	0	0	-	0	0
PASADENA	-	-	-	0	0	0	0	-	0	0
MADERA	-	-	-	0	0	0	0	-	0	0
MARIN	-	-	-	0	0	0	0	-	0	0
MARIPOSA	-	-	-	0	0	0	0	-	0	0
MENDOCINO	-	-	-	0	0	0	0	-	0	0
MERCED	-	-	-	0	0	0	0	-	0	0
MODOC	-	-	-	0	0	0	0	-	0	0
MONO	-	-	-	0	0	0	0	-	0	0
MONTEREY	-	-	-	0	0	0	0	-	0	0
NAPA	-	-	-	0	0	0	0	-	0	0
NEVADA	-	-	-	0	0	0	0	-	0	0
ORANGE	-	-	-	0	0	0	0	-	0	0
PLACER	-	-	-	0	0	0	0	-	0	0
PLUMAS	-	-	-	0	0	0	0	-	0	0
RIVERSIDE	-	-	-	1	0	0	0	-	0	0
SACRAMENTO	-	-	-	0	0	0	0	-	0	0
SAN BENITO	-	-	-	0	0	0	0	-	0	0
SAN BERNARDINO	-	-	-	0	0	0	0	-	0	0
SAN DIEGO	-	-	-	0	0	0	0	-	0	0
SAN FRANCISCO	-	-	-	1	0	0	0	-	0	0
SAN JOAQUIN	-	-	-	0	0	0	0	-	0	0
SAN LUIS OBISPO	-	-	-	0	0	0	0	-	0	0
SAN MATEO	-	-	-	0	0	0	0	-	0	0
SANTA BARBARA	-	-	-	0	0	0	0	-	0	0
SANTA CLARA	-	-	-	0	0	0	0	-	0	0
SANTA CRUZ	-	-	-	0	0	0	0	-	0	0
SHASTA	-	-	-	0	0	0	0	-	0	0
SIERRA	-	-	-	0	0	0	0	-	0	0
SISKIYOU	-	-	-	0	0	0	0	-	0	0
SOLANO	-	-	-	0	0	0	0	-	0	0
SONOMA	-	-	-	0	0	0	0	-	0	0
STANISLAUS	-	-	-	0	0	0	0	-	0	0
SUTTER	-	-	-	0	0	0	0	-	0	0
TEHAMA	-	-	-	0	0	0	0	-	0	0
TRINITY	-	-	-	0	0	0	0	-	0	0
TULARE	-	-	-	0	0	0	0	-	0	0
TUOLUMNE	-	-	-	0	0	0	0	-	0	0
VENTURA	-	-	-	0	0	0	0	-	0	0
YOLO	-	-	-	0	0	0	0	-	0	0
YUBA	-	-	-	0	0	0	0	-	0	0

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.  
 Note: Required reporting of Flavivirus Infection of Undetermined Species began June 1, 2016.



## Flavivirus Infection of Undetermined Species

### Flavivirus Infection of Undetermined Species, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	-	-	-	2	0	0	1	0	0	
JANUARY	-	-	-	-	0	0	0	0	0	
FEBRUARY	-	-	-	-	0	0	0	0	0	
MARCH	-	-	-	-	0	0	0	0	0	
APRIL	-	-	-	-	0	0	0	0	0	
MAY	-	-	-	-	0	0	0	0	0	
JUNE	-	-	-	1	0	0	0	0	0	
JULY	-	-	-	0	0	0	0	0	0	
AUGUST	-	-	-	1	0	0	0	0	0	
SEPTEMBER	-	-	-	0	0	0	0	0	0	
OCTOBER	-	-	-	0	0	0	1	0	0	
NOVEMBER	-	-	-	0	0	0	0	0	0	
DECEMBER	-	-	-	0	0	0	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

Note: Required reporting of Flavivirus Infection of Undetermined Species began June 1, 2016.

### Flavivirus Infection of Undetermined Species, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	-	-	-	-	-	-	2	-	0	-	0	-	1	0.0*	0	-	0	-
FEMALE	-	-	-	-	-	-	1	-	0	-	0	-	1	0.0*	0	-	0	-
MALE	-	-	-	-	-	-	1	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Note: Required reporting of Flavivirus Infection of Undetermined Species began June 1, 2016.

### Flavivirus Infection of Undetermined Species, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	-	-	-	-	-	-	2	-	0	-	0	-	1	0.0*	0	-	0	-
0	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
10-14	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
15-24	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
25-34	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
35-44	-	-	-	-	-	-	1	-	0	-	0	-	1	0.0*	0	-	0	-
45-54	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
55-64	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
65+	-	-	-	-	-	-	1	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Note: Required reporting of Flavivirus Infection of Undetermined Species began June 1, 2016.

### Flavivirus Infection of Undetermined Species, Cases by Race/Ethnicity, California, 2013-2021

RACE ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	-	-	-	2	0	0	1	0	0	
WHITE, NON-HISPANIC	-	-	-	0	0	0	0	0	0	
HISPANIC/LATINO	-	-	-	1	0	0	0	0	0	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	-	-	-	0	0	0	0	0	0	
BLACK, NON-HISPANIC	-	-	-	0	0	0	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	-	-	-	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	-	-	-	0	0	0	0	0	0	
OTHER, NON-HISPANIC	-	-	-	0	0	0	1	0	0	
UNKNOWN	-	-	-	1	0	0	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

Note: Required reporting of Flavivirus Infection of Undetermined Species began June 1, 2016.

# Giardiasis

## Giardiasis, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
<b>CALIFORNIA TOTAL</b>	1,940	5.1	1,829	4.7	2,069	5.3	2,487	6.3	2,581	6.5	2,636	6.6	2,687	6.8	1,510	3.8	1,604	4.0
<b>ALAMEDA COUNTY TOTAL</b>	109	6.9	109	6.8	159	9.8	220	13.4	257	15.6	246	14.8	250	15.0	122	7.3	143	8.5
ALAMEDA	85	5.8	90	6.1	138	9.2	196	13.0	221	14.5	223	14.6	233	15.2	109	7.0	132	8.6
BERKELEY	24	20.6	19	16.1	21	17.6	24	20.0	36	29.7	23	18.9	17	13.9*	13	10.2*	11	9.1*
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	1	2.8*	1	2.8*	1	2.8*	1	2.7*	3	8.1*	1	2.6*	3	8.0*	1	2.7*	1	2.6*
BUTTE	12	5.4*	11	4.9*	18	8.0*	17	7.6*	28	12.4	14	6.2*	18	8.4*	13	6.3*	15	6.6*
CALAVERAS	0	-	2	4.4*	2	4.5*	4	8.9*	3	6.7*	2	4.5*	2	4.5*	1	2.3*	0	-
COLUSA	0	-	0	-	0	-	3	13.7*	0	-	0	-	3	13.6*	1	4.5*	0	-
CONTRA COSTA	59	5.4	38	3.4	66	5.9	11	1.0*	105	9.2	124	10.8	125	10.9	72	6.3	69	6.0
DEL NORTE	0	-	1	3.7*	1	3.7*	1	3.7*	1	3.8*	1	3.7*	2	7.4*	1	3.7*	0	-
EL DORADO	4	2.2*	6	3.3*	9	4.9*	11	6.0*	19	10.2	12	6.4*	17	9.0*	10	5.2*	10	5.3*
FRESNO	18	1.9*	20	2.1	34	3.5	45	4.6	34	3.4	31	3.1	29	2.8	22	2.1	28	2.7
GLENN	1	3.5*	2	7.1*	0	-	1	3.5*	0	-	0	-	1	3.4*	1	3.4*	2	6.9*
HUMBOLDT	17	12.6*	10	7.4*	20	14.9	11	8.1*	9	6.7*	9	6.7*	8	6.0*	13	9.8*	9	6.7*
IMPERIAL	1	0.6*	1	0.5*	1	0.5*	7	3.8*	1	0.5*	4	2.1*	11	5.8*	7	3.7*	11	5.7*
INYO	0	-	1	5.4*	0	-	1	5.4*	2	10.8*	1	5.4*	4	21.7*	5	27.1*	0	-
KERN	15	1.7*	24	2.7	14	1.6*	22	2.5	32	3.6	29	3.2	35	3.8	26	2.8	32	3.5
KINGS	1	0.7*	12	8.0*	4	2.7*	3	2.0*	3	2.0*	4	2.6*	6	3.9*	2	1.3*	5	3.2*
LAKE	3	4.6*	1	1.5*	3	4.6*	3	4.7*	3	4.6*	2	3.1*	3	4.7*	4	6.3*	4	6.2*
LASSEN	2	6.3*	2	6.4*	0	-	1	3.4*	1	3.4*	0	-	0	-	0	-	2	6.7*
<b>LOS ANGELES COUNTY TOTAL</b>	442	4.4	394	3.9	447	4.4	505	5.0	440	4.3	526	5.1	512	5.0	257	2.5	74	0.7
LOS ANGELES	408	4.3	367	3.9	424	4.5	465	4.9	399	4.2	485	5.1	484	5.1	232	2.4	44	0.5
LONG BEACH	22	4.7	18	3.8*	17	3.6*	30	6.3	33	7.0	31	6.5	25	5.3	18	3.9*	24	5.2
PASADENA	12	8.5*	9	6.4*	6	4.2*	10	7.0*	8	5.6*	10	6.9*	3	2.1*	7	5.0*	6	4.3*
MADERA	2	1.3*	5	3.3*	3	1.9*	2	1.3*	8	5.1*	5	3.2*	7	4.4*	5	3.1*	5	3.1*
MARIN	39	15.0	32	12.2	33	12.6	46	17.5	46	17.5	45	17.2	51	19.5	27	10.4	22	8.5
MARIPOSA	2	11.0*	0	-	2	11.1*	1	5.5*	2	11.1*	1	5.6*	0	-	0	-	0	-
MENDOCINO	9	10.2*	7	7.9*	7	7.9*	6	6.8*	14	15.8*	15	17.0*	17	19.3*	8	9.1*	15	17.0*
MERCED	4	1.5*	3	1.1*	2	0.7*	6	2.2*	6	2.2*	12	4.3*	9	3.2*	4	1.4*	5	1.7*
MODOC	0	-	1	10.4*	0	-	0	-	0	-	1	10.5*	0	-	0	-	1	10.7*
MONO	0	-	2	14.4*	0	-	2	14.7*	4	29.3*	1	7.4*	1	7.4*	1	7.4*	1	7.2*
MONTEREY	8	1.9*	9	2.1*	15	3.5*	45	10.3	19	4.3	39	8.8	23	5.2	12	2.7*	16	3.6*
NAPA	12	8.6*	7	5.0*	10	7.1*	17	12.0*	14	9.9*	12	8.5*	11	7.9*	9	6.5*	9	6.5*
NEVADA	9	9.2*	12	12.2*	11	11.2*	6	6.1*	16	16.4*	10	10.2*	9	9.2*	5	5.1*	7	7.1*
ORANGE	149	4.8	122	3.9	125	4.0	176	5.6	124	3.9	131	4.1	165	5.2	65	2.0	138	4.3
PLACER	32	8.8	16	4.3*	15	4.0*	19	5.0	23	6.0	17	4.4*	32	8.1	18	4.5*	20	5.0
PLUMAS	1	5.3*	2	10.8*	4	21.9*	5	27.2*	4	21.8*	4	21.8*	1	5.4*	1	5.5*	1	5.2*
RIVERSIDE	55	2.4	64	2.8	62	2.7	78	3.3	88	3.7	82	3.4	98	4.0	84	3.4	106	4.3
SACRAMENTO	10	0.7*	19	1.3	3	0.2*	7	0.5*	9	0.6*	91	5.9	100	6.5	13	0.8*	17	1.1*
SAN BENITO	3	5.2*	2	3.5*	4	6.8*	3	5.1*	2	3.3*	2	3.3*	1	1.6*	2	3.2*	1	1.6*
SAN BERNARDINO	48	2.3	53	2.5	47	2.2	52	2.4	52	2.4	52	2.4	52	2.4	38	1.7	54	2.5
SAN DIEGO	265	8.2	255	7.8	318	9.7	394	12.0	321	9.7	230	6.9	220	6.6	160	4.8	173	5.2
SAN FRANCISCO	198	23.4	160	18.7	192	22.1	225	25.6	244	27.5	214	23.9	182	20.3	118	13.1	179	20.1
SAN JOAQUIN	37	5.2	20	2.8	22	3.0	30	4.1	41	5.5	42	5.6	47	6.1	24	3.1	28	3.6
SAN LUIS OBISPO	7	2.6*	10	3.6*	16	5.8*	10	3.6*	9	3.2*	7	2.5*	12	4.3*	3	1.1*	9	3.2*
SAN MATEO	47	6.3	48	6.3	53	6.9	53	6.9	80	10.4	81	10.5	80	10.3	47	6.1	37	4.8
SANTA BARBARA	21	4.8	30	6.8	17	3.8*	28	6.3	25	5.6	31	6.9	35	7.7	24	5.3	55	12.1
SANTA CLARA	125	6.7	140	7.4	116	6.0	184	9.5	191	9.8	198	10.1	205	10.5	99	5.0	98	5.0
SANTA CRUZ	19	7.0	19	7.0	17	6.2*	21	7.6	29	10.6	32	11.7	27	9.9	12	4.4*	33	12.0
SHASTA	5	2.8*	3	1.7*	10	5.6*	7	3.9*	8	4.5*	14	7.9*	10	5.6*	7	3.9*	9	5.1*
SIERRA	0	-	0	-	0	-	1	31.8*	0	-	0	-	1	32.0*	0	-	0	-
SISKIYOU	5	11.2*	0	-	0	-	3	6.8*	3	6.8*	3	6.8*	1	2.3*	2	4.6*	3	6.9*
SOLANO	13	3.1*	17	4.0*	27	6.3	25	5.8	41	9.4	23	5.2	24	5.5	20	4.5	24	5.4
SONOMA	37	7.5	39	7.8	50	10.0	32	6.4	43	8.6	49	9.8	72	14.5	30	6.1	26	5.2
STANISLAUS	17	3.2*	25	4.7	27	5.0	32	5.9	77	14.0	71	12.9	60	10.8	52	9.4	23	4.1
SUTTER	4	4.1*	2	2.1*	2	2.1*	4	4.1*	4	4.0*	7	6.9*	6	5.8*	2	2.0*	4	4.0*
TEHAMA	0	-	1	1.6*	3	4.7*	2	3.1*	3	4.7*	5	7.8*	4	6.1*	0	-	2	3.1*
TRINITY	1	7.3*	0	-	5	36.9*	0	-	0	-	3	22.4*	2	15.0*	0	-	2	15.2*
TULARE	16	3.5*	20	4.4	13	2.8*	19	4.1	15	3.2*	18	3.8*	13	2.7*	11	2.3*	10	2.1*
TUOLUMNE	0	-	3	5.6*	3	5.6*	7	13.1*	1	1.9*	3	5.7*	4	7.6*	2	3.8*	2	3.9*
VENTURA	34	4.0	36	4.3	43	5.1	52	6.1	49	5.8	58	6.8	63	7.5	27	3.2	48	5.6
YOLO	16	7.7*	8	3.8*	13	6.1*	16	7.4*	23	10.5	17	7.7*	9	4.1*	18	8.1*	12	5.3*
YUBA	5	6.8*	2	2.7*	0	-	4	5.3*	2	2.6*	4	5.2*	4	5.1*	2	2.5*	4	5.1*

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.

## Giardiasis

### Giardiasis, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	1,940	1,829	2,069	2,487	2,581	2,636	2,687	1,510	1,604	
JANUARY	206	139	160	191	193	254	202	236	77	
FEBRUARY	145	139	123	178	165	211	215	174	76	
MARCH	162	140	145	224	187	239	200	148	90	
APRIL	123	145	168	210	209	211	223	81	106	
MAY	135	143	150	200	231	222	197	108	119	
JUNE	164	123	153	179	216	218	219	88	143	
JULY	203	185	179	208	249	242	247	128	140	
AUGUST	223	184	194	241	281	294	303	134	161	
SEPTEMBER	196	185	159	222	232	215	250	140	193	
OCTOBER	136	151	234	209	222	230	244	111	165	
NOVEMBER	118	164	222	213	200	157	195	77	174	
DECEMBER	129	131	182	212	196	143	192	85	160	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Giardiasis, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	1,940	5.1	1,829	4.7	2,069	5.3	2,487	6.3	2,581	6.5	2,636	6.6	2,687	6.8	1,510	3.8	1,604	4.0
FEMALE	661	3.4	628	3.2	724	3.7	904	4.6	882	4.5	892	4.5	894	4.5	521	2.6	552	2.8
MALE	1,177	6.2	1,070	5.5	1,331	6.8	1,576	8.0	1,694	8.6	1,740	8.8	1,786	9.0	982	4.9	1,050	5.3
UNKNOWN	102	-	131	-	14	-	7	-	5	-	4	-	7	-	7	-	2	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Giardiasis, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	1,940	5.1	1,829	4.7	2,069	5.3	2,487	6.3	2,581	6.5	2,636	6.6	2,687	6.8	1,510	3.8	1,604	4.0
0	12	2.4*	6	1.2*	2	0.4*	13	2.7*	10	2.1*	10	2.2*	14	3.1*	6	1.4*	5	1.1*
1-4	153	7.6	152	7.6	182	9.1	188	9.4	192	9.7	151	7.7	148	7.7	67	3.6	77	4.2
5-9	125	4.8	119	4.6	133	5.1	168	6.5	173	6.7	146	5.7	174	6.9	85	3.4	85	3.4
10-14	82	3.2	67	2.6	75	2.9	104	4.1	87	3.4	93	3.6	80	3.1	51	2.0	49	1.9
15-24	228	4.0	211	3.6	248	4.3	260	4.5	324	5.6	277	4.8	232	4.0	152	2.7	145	2.5
25-34	287	5.4	293	5.5	352	6.7	407	7.8	448	8.6	479	9.2	506	9.8	280	5.4	302	5.8
35-44	283	5.5	282	5.5	302	5.9	350	6.8	323	6.2	368	7.0	356	6.8	228	4.3	220	4.2
45-54	322	6.2	283	5.4	333	6.3	382	7.3	360	6.9	399	7.7	381	7.5	207	4.1	212	4.2
55-64	233	5.3	231	5.1	237	5.1	331	7.0	373	7.7	401	8.2	430	8.7	219	4.5	255	5.2
65+	203	4.2	178	3.5	199	3.8	279	5.1	286	5.1	309	5.3	359	5.9	214	3.4	251	3.8
UNKNOWN	12	-	7	-	6	-	5	-	5	-	3	-	7	-	1	-	3	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

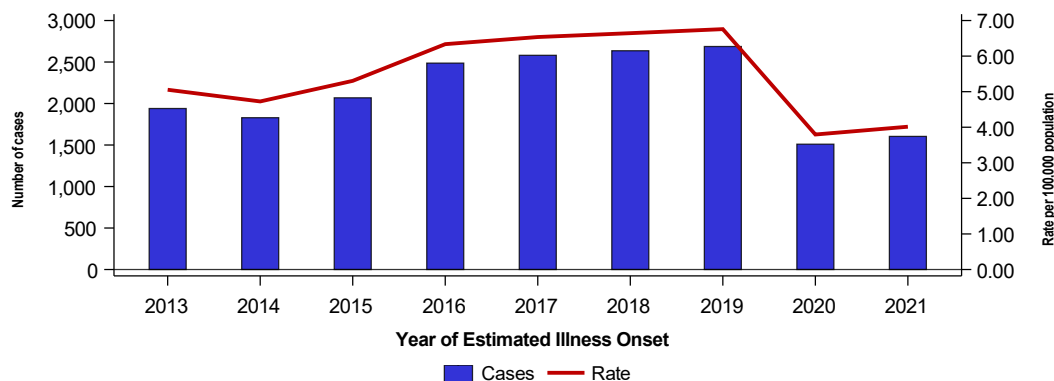
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Giardiasis, Cases by Race/Ethnicity, California, 2013-2021

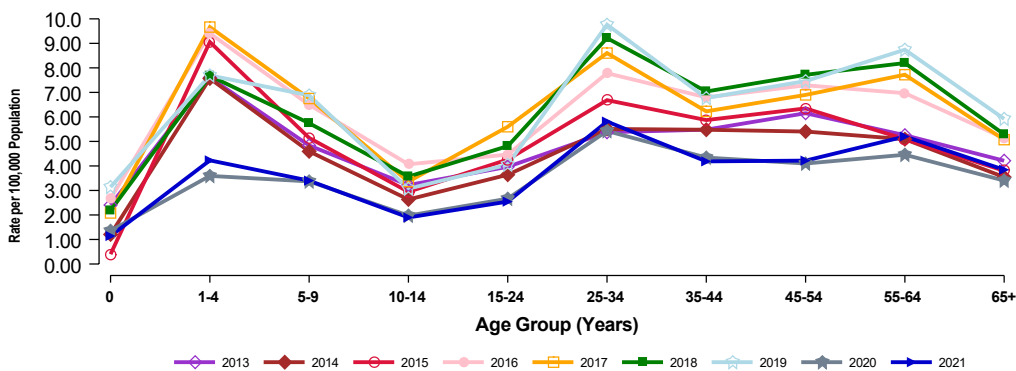
RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	1,940	1,829	2,069	2,487	2,581	2,636	2,687	1,510	1,604	
WHITE, NON-HISPANIC	619	568	799	913	972	944	971	572	555	
HISPANIC/LATINO	265	261	261	332	339	391	431	208	205	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	65	97	69	89	123	128	151	69	53	
BLACK, NON-HISPANIC	62	68	71	137	105	86	77	67	36	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	3	7	4	3	6	7	9	4	4	
MULTIPLE RACE, NON-HISPANIC	7	19	1	6	5	7	14	5	10	
OTHER, NON-HISPANIC	21	32	57	114	230	184	223	155	128	
UNKNOWN	898	777	807	893	801	889	811	430	613	

For inclusion/exclusion criteria, please refer to the Technical Notes.

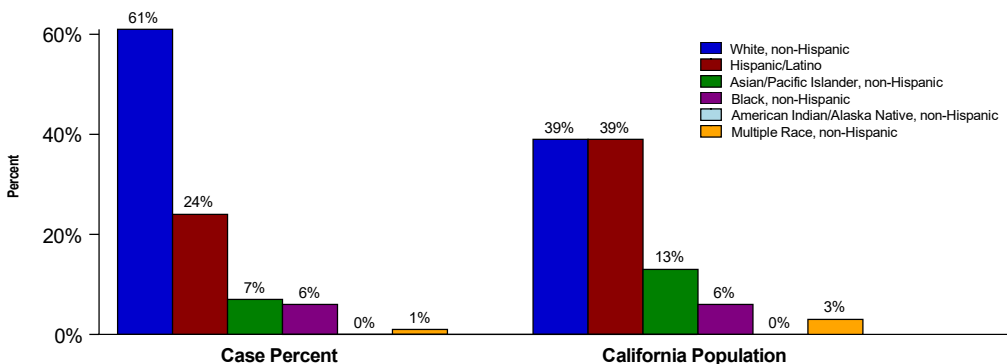
### Giardiasis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021



### Giardiasis Incidence Rates by Age Group and Year of Estimated Illness Onset, California, 2013-2021



### Giardiasis Cases and Population by Race/Ethnicity, California, 2013-2021



35.8% (n=6919) of reported incidents of Giardiasis did not identify race/ethnicity and 5.9% (n=1144) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

# Hantavirus Infection

## Hantavirus Infection, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	3	0.0*	1	0.0*	2	0.0*	1	0.0*	5	0.0*	5	0.0*	4	0.0*	2	0.0*	1	0.0*
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-
ALAMEDA	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-
BERKELEY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
FRESNO	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
IMPERIAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
INYO	1	5.4*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	1	0.0*	0	-	0	-	1	0.0*	1	0.0*	0	-	0	-	0	-	0	-
LOS ANGELES	1	0.0*	0	-	0	-	1	0.0*	1	0.0*	0	-	0	-	0	-	0	-
LONG BEACH	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-	1	0.4*	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	2	14.6*	0	-	1	7.3*	0	-	3	22.1*	0	-	0	-
MONTEREY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NAPA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-
PLACER	0	-	1	0.3*	0	-	0	-	0	-	1	0.3*	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	5.5*	0	-
RIVERSIDE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*
SACRAMENTO	0	-	0	-	0	-	0	-	1	0.1*	1	0.1*	0	-	0	-	0	-
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN DIEGO	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-
SAN FRANCISCO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN JOAQUIN	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA BARBARA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-
SANTA CLARA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CRUZ	0	-	0	-	0	-	0	-	0	-	1	0.4*	0	-	0	-	0	-
SHASTA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SONOMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
STANISLAUS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
YOLO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.

## Hantavirus Infection

### Hantavirus Infection, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	3	1	2	1	5	5	4	2	1	
JANUARY	0	0	0	0	1	0	0	0	0	
FEBRUARY	0	0	0	0	0	0	1	0	0	
MARCH	0	0	0	0	1	2	0	0	0	
APRIL	0	0	0	0	0	1	0	0	0	
MAY	1	0	0	0	0	0	0	0	0	
JUNE	1	1	0	0	0	0	1	1	0	
JULY	0	0	2	0	1	0	0	0	0	
AUGUST	1	0	0	0	1	1	0	1	0	
SEPTEMBER	0	0	0	0	0	0	1	0	1	
OCTOBER	0	0	0	0	0	1	0	0	0	
NOVEMBER	0	0	0	0	0	0	1	0	0	
DECEMBER	0	0	0	1	1	0	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Hantavirus Infection, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	3	0.0*	1	0.0*	2	0.0*	1	0.0*	5	0.0*	5	0.0*	4	0.0*	2	0.0*	1	0.0*
FEMALE	1	0.0*	0	-	1	0.0*	0	-	0	-	2	0.0*	3	0.0*	0	-	0	-
MALE	2	0.0*	1	0.0*	1	0.0*	1	0.0*	5	0.0*	3	0.0*	1	0.0*	2	0.0*	1	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Hantavirus Infection, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	3	0.0*	1	0.0*	2	0.0*	1	0.0*	5	0.0*	5	0.0*	4	0.0*	2	0.0*	1	0.0*
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-
10-14	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
15-24	0	-	0	-	0	-	0	-	1	0.0*	2	0.0*	0	-	0	-	0	-
25-34	0	-	0	-	0	-	0	-	2	0.0*	0	-	2	0.0*	1	0.0*	0	-
35-44	0	-	0	-	1	0.0*	0	-	1	0.0*	2	0.0*	0	-	0	-	0	-
45-54	1	0.0*	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-
55-64	1	0.0*	0	-	0	-	0	-	0	-	1	0.0*	0	-	1	0.0*	0	-
65+	0	-	1	0.0*	0	-	1	0.0*	1	0.0*	0	-	1	0.0*	0	-	1	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

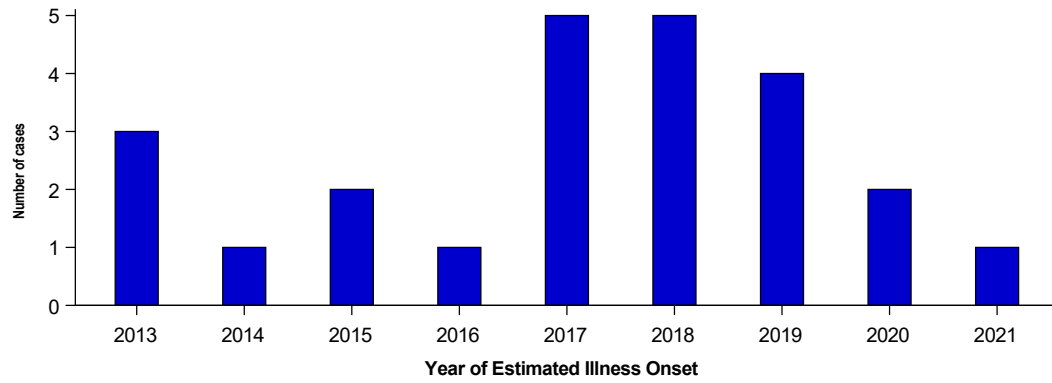
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Hantavirus Infection, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	3	1	2	1	5	5	4	2	1	
WHITE, NON-HISPANIC	3	1	2	1	2	1	4	2	0	
HISPANIC/LATINO	0	0	0	0	1	3	0	0	0	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
OTHER, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
UNKNOWN	0	0	0	0	2	1	0	0	1	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Hantavirus Infection Cases by Year of Estimated Illness Onset, California, 2013-2021



## Hepatitis E, acute infection

### Hepatitis E, acute infection, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
<b>CALIFORNIA TOTAL</b>	41	0.1	31	0.1	37	0.1	49	0.1	38	0.1	30	0.1	38	0.1	19	0.0	43	0.1
<b>ALAMEDA COUNTY TOTAL</b>	1	0.1*	4	0.2*	2	0.1*	4	0.2*	2	0.1*	4	0.2*	1	0.1*	0	-	2	0.1*
ALAMEDA	1	0.1*	4	0.3*	2	0.1*	4	0.3*	2	0.1*	3	0.2*	1	0.1*	0	-	2	0.1*
BERKELEY	0	-	0	-	0	-	0	-	0	-	1	0.8*	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	1	2.8*	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	1	2.2*	1	2.2*	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	1	0.1*	0	-	3	0.3*	5	0.4*	2	0.2*	0	-	4	0.3*	0	-	1	0.1*
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	1	0.5*	1	0.5*	0	-	0	-	0	-	0	-	1	0.5*	0	-
FRESNO	1	0.1*	1	0.1*	1	0.1*	0	-	0	-	2	0.2*	2	0.2*	0	-	2	0.2*
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.7*
IMPERIAL	0	-	0	-	2	1.1*	0	-	0	-	0	-	0	-	2	1.1*	1	0.5*
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	1	0.1*	2	0.2*	0	-	1	0.1*	0	-	0	-	0	-
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	1	1.6*	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
<b>LOS ANGELES COUNTY TOTAL</b>	2	0.0*	1	0.0*	2	0.0*	2	0.0*	3	0.0*	4	0.0*	6	0.1*	4	0.0*	5	0.0*
LOS ANGELES	1	0.0*	0	-	2	0.0*	2	0.0*	1	0.0*	4	0.0*	6	0.1*	3	0.0*	5	0.1*
LONG BEACH	1	0.2*	1	0.2*	0	-	0	-	1	0.2*	0	-	0	-	1	0.2*	0	-
PASADENA	0	-	0	-	0	-	0	-	1	0.7*	0	-	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	1	0.6*	0	-	2	1.3*	0	-	0	-
MARIN	3	1.2*	5	1.9*	1	0.4*	0	-	1	0.4*	2	0.8*	1	0.4*	0	-	4	1.5*
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.1*	1	1.1*
MERCED	0	-	0	-	0	-	1	0.4*	0	-	0	-	0	-	0	-	1	0.3*
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	1	0.2*	1	0.2*	0	-	1	0.2*	0	-	0	-	0	-	0	-	0	-
NAPA	0	-	0	-	0	-	1	0.7*	1	0.7*	0	-	0	-	1	0.7*	2	1.4*
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	1	0.0*	0	-	0	-	3	0.1*	1	0.0*	0	-	0	-	1	0.0*	1	0.0*
PLACER	2	0.5*	0	-	1	0.3*	0	-	0	-	0	-	1	0.3*	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	0	-	3	0.1*	0	-	1	0.0*	1	0.0*	1	0.0*	2	0.1*
SACRAMENTO	6	0.4*	1	0.1*	7	0.5*	7	0.5*	1	0.1*	1	0.1*	2	0.1*	0	-	2	0.1*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	2	0.1*	0	-	1	0.0*	1	0.0*	3	0.1*	1	0.0*	1	0.0*	0	-	1	0.0*
SAN DIEGO	2	0.1*	0	-	0	-	2	0.1*	2	0.1*	1	0.0*	1	0.0*	0	-	1	0.0*
SAN FRANCISCO	0	-	1	0.1*	1	0.1*	1	0.1*	5	0.6*	1	0.1*	4	0.4*	0	-	1	0.1*
SAN JOAQUIN	0	-	1	0.1*	3	0.4*	0	-	0	-	2	0.3*	0	-	1	0.1*	3	0.4*
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	0	-	1	0.1*	1	0.1*	0	-	2	0.3*	3	0.4*	2	0.3*	0	-	0	-
SANTA BARBARA	1	0.2*	0	-	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-
SANTA CLARA	14	0.7*	7	0.4*	8	0.4*	8	0.4*	2	0.1*	2	0.1*	1	0.1*	4	0.2*	2	0.1*
SANTA CRUZ	0	-	1	0.4*	0	-	0	-	1	0.4*	1	0.4*	0	-	0	-	1	0.4*
SHASTA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	1	0.2*	0	-	0	-	1	0.2*	1	0.2*	0	-	2	0.5*	1	0.2*	2	0.4*
SONOMA	2	0.4*	6	1.2*	1	0.2*	2	0.4*	3	0.6*	1	0.2*	2	0.4*	0	-	0	-
STANISLAUS	0	-	0	-	0	-	3	0.6*	3	0.5*	1	0.2*	3	0.5*	2	0.4*	5	0.9*
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	0	-	0	-	0	-	1	0.1*	1	0.1*	0	-	0	-	0	-	2	0.2*
YOLO	0	-	0	-	0	-	0	-	0	-	1	0.5*	1	0.5*	0	-	0	-
YUBA	1	1.4*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.



## Hepatitis E, acute infection

Hepatitis E, acute infection, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	41	31	37	49	38	30	38	19	43	
JANUARY	1	1	2	5	7	2	2	4	2	
FEBRUARY	3	0	2	5	3	5	3	2	1	
MARCH	6	4	2	0	6	3	6	1	7	
APRIL	5	3	3	9	2	1	3	0	3	
MAY	3	3	2	4	2	4	4	1	5	
JUNE	1	1	5	6	0	3	3	0	4	
JULY	2	3	3	6	4	3	6	3	1	
AUGUST	7	1	5	3	2	2	3	2	2	
SEPTEMBER	7	9	1	1	2	2	3	1	7	
OCTOBER	2	2	5	3	5	0	2	2	1	
NOVEMBER	3	3	3	3	2	2	2	2	4	
DECEMBER	1	1	4	4	3	3	1	1	6	

For inclusion/exclusion criteria, please refer to the Technical Notes.

Hepatitis E, acute infection, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	41	0.1	31	0.1	37	0.1	49	0.1	38	0.1	30	0.1	38	0.1	19	0.0	43	0.1
FEMALE	15	0.1*	18	0.1*	21	0.1	25	0.1	17	0.1*	18	0.1*	18	0.1*	5	0.0*	29	0.1
MALE	26	0.1	12	0.1*	16	0.1*	24	0.1	21	0.1*	12	0.1*	20	0.1	14	0.1*	14	0.1*
UNKNOWN	0	-	1	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Hepatitis E, acute infection, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	41	0.1	31	0.1	37	0.1	49	0.1	38	0.1	30	0.1	38	0.1	19	0.0	43	0.1
0	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-
1-4	0	-	0	-	0	-	3	0.2*	1	0.1*	0	-	0	-	0	-	1	0.1*
5-9	1	0.0*	0	-	1	0.0*	0	-	0	-	1	0.0*	2	0.1*	0	-	0	-
10-14	1	0.0*	0	-	1	0.0*	0	-	0	-	0	-	1	0.0*	0	-	0	-
15-24	8	0.1*	6	0.1*	8	0.1*	9	0.2*	1	0.0*	4	0.1*	7	0.1*	1	0.0*	9	0.2*
25-34	13	0.2*	4	0.1*	8	0.2*	14	0.3*	11	0.2*	7	0.1*	4	0.1*	3	0.1*	7	0.1*
35-44	5	0.1*	3	0.1*	6	0.1*	5	0.1*	4	0.1*	5	0.1*	5	0.1*	3	0.1*	6	0.1*
45-54	2	0.0*	6	0.1*	6	0.1*	7	0.1*	5	0.1*	0	-	4	0.1*	2	0.0*	3	0.1*
55-64	8	0.2*	5	0.1*	3	0.1*	4	0.1*	7	0.1*	7	0.1*	4	0.1*	4	0.1*	9	0.2*
65+	3	0.1*	6	0.1*	4	0.1*	7	0.1*	9	0.2*	5	0.1*	10	0.2*	6	0.1*	8	0.1*
UNKNOWN	0	-	1	-	0	-	0	-	0	-	1	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

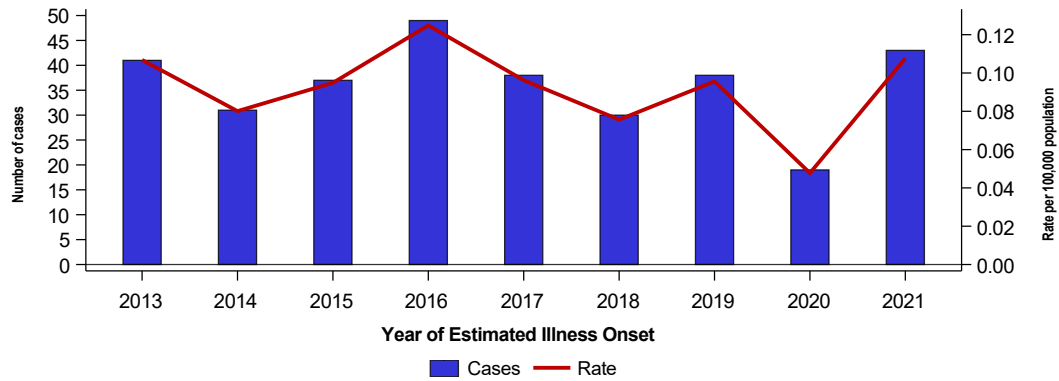
\*Potentially unreliable rate: relative standard error 23 percent or more.

Hepatitis E, acute infection, Cases by Race/Ethnicity, California, 2013-2021

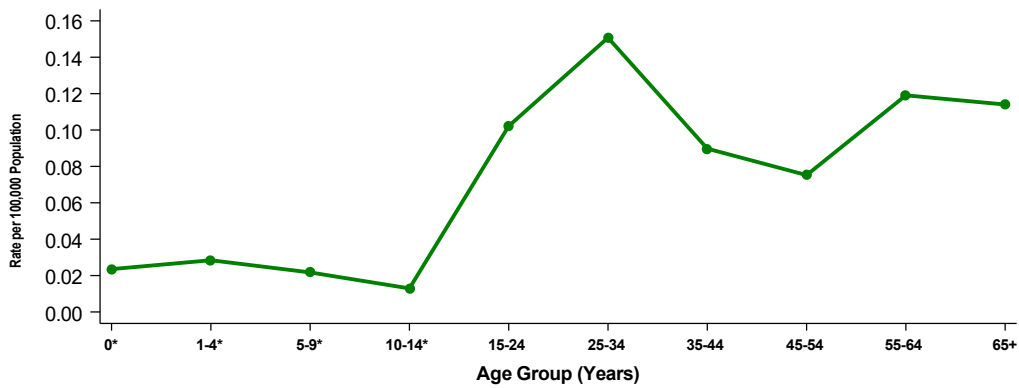
RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	41	31	37	49	38	30	38	19	43	
WHITE, NON-HISPANIC	7	3	6	9	6	7	8	4	9	
HISPANIC/LATINO	3	3	5	8	4	4	7	4	7	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	7	4	8	7	10	9	14	5	6	
BLACK, NON-HISPANIC	0	0	0	2	1	2	1	0	1	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
OTHER, NON-HISPANIC	1	1	0	4	1	0	1	1	5	
UNKNOWN	23	20	18	19	16	8	7	5	15	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Hepatitis E, acute infection Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021

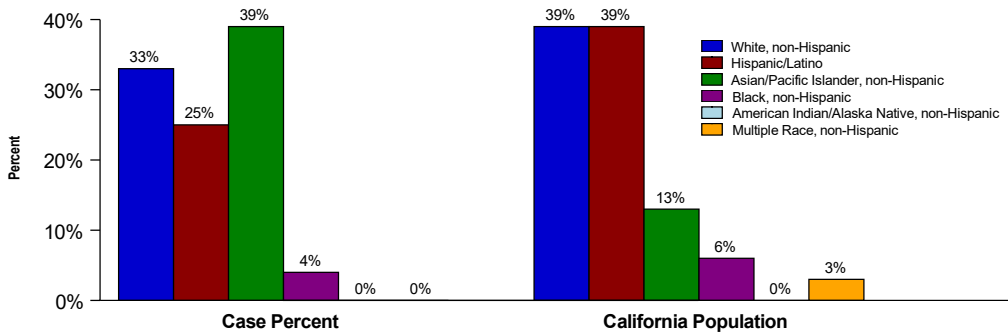


### Hepatitis E, acute infection Average Incidence Rates by Age Group, California, 2013-2021



\*Potentially unreliable rate: relative standard error 23 percent or more.

### Hepatitis E, acute infection Cases and Population by Race/Ethnicity, California, 2013-2021



40.2% (n=131) of reported incidents of Hepatitis E, acute infection did not identify race/ethnicity and 4.3% (n=14) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

# Legionellosis

## Legionellosis, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
<b>CALIFORNIA TOTAL</b>	204	0.5	354	0.9	478	1.2	602	1.5	537	1.4	454	1.1	560	1.4	375	0.9	461	1.2
<b>ALAMEDA COUNTY TOTAL</b>	4	0.3*	7	0.4*	19	1.2	17	1.0*	18	1.1*	10	0.6*	19	1.1	7	0.4*	9	0.5*
ALAMEDA	3	0.2*	7	0.5*	19	1.3	17	1.1*	16	1.1*	8	0.5*	18	1.2*	7	0.5*	9	0.6*
BERKELEY	1	0.9*	0	-	0	-	0	-	2	1.7*	2	1.6*	1	0.8*	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	1	2.8*	0	-	0	-	0	-	2	5.3*	0	-	0	-
BUTTE	0	-	2	0.9*	1	0.4*	4	1.8*	1	0.4*	2	0.9*	1	0.5*	2	1.0*	0	-
CALAVERAS	0	-	0	-	0	-	1	2.2*	0	-	2	4.5*	1	2.3*	0	-	1	2.3*
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	7	0.6*	7	0.6*	9	0.8*	6	0.5*	7	0.6*	5	0.4*	8	0.7*	4	0.3*	12	1.0*
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	1	0.5*	0	-	0	-	3	1.6*	3	1.6*	1	0.5*	1	0.5*
FRESNO	4	0.4*	3	0.3*	7	0.7*	9	0.9*	16	1.6*	13	1.3*	14	1.4*	8	0.8*	10	1.0*
GLENN	0	-	0	-	0	-	1	3.5*	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	4	3.0*	0	-	3	2.2*	3	2.2*	1	0.7*	1	0.7*	2	1.5*	0	-	1	0.7*
IMPERIAL	0	-	1	0.5*	2	1.1*	0	-	0	-	0	-	0	-	2	1.1*	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	1	0.1*	1	0.1*	3	0.3*	5	0.6*	4	0.4*	5	0.6*	5	0.5*	10	1.1*	7	0.8*
KINGS	1	0.7*	1	0.7*	1	0.7*	3	2.0*	1	0.7*	2	1.3*	1	0.7*	3	1.9*	2	1.3*
LAKE	0	-	0	-	1	1.5*	0	-	0	-	0	-	1	1.6*	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	3.5*	0	-
<b>LOS ANGELES COUNTY TOTAL</b>	90	0.9	145	1.4	186	1.8	253	2.5	185	1.8	133	1.3	192	1.9	95	0.9	121	1.2
LOS ANGELES	83	0.9	138	1.5	173	1.8	239	2.5	165	1.7	122	1.3	180	1.9	85	0.9	115	1.2
LONG BEACH	3	0.6*	7	1.5*	10	2.1*	7	1.5*	15	3.2*	7	1.5*	6	1.3*	9	1.9*	4	0.9*
PASADENA	4	2.8*	0	-	3	2.1*	7	4.9*	5	3.5*	4	2.8*	6	4.1*	1	0.7*	2	1.4*
MADERA	0	-	1	0.7*	2	1.3*	0	-	2	1.3*	4	2.5*	4	2.5*	4	2.5*	1	0.6*
MARIN	0	-	0	-	11	4.2*	0	-	1	0.4*	1	0.4*	2	0.8*	2	0.8*	4	1.5*
MARIPOSA	0	-	0	-	0	-	0	-	0	-	1	5.6*	0	-	0	-	0	-
MENDOCINO	0	-	3	3.4*	0	-	0	-	2	2.3*	2	2.3*	2	2.3*	3	3.4*	3	3.4*
MERCED	2	0.8*	0	-	0	-	0	-	0	-	3	1.1*	7	2.5*	2	0.7*	2	0.7*
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	2	0.5*	5	1.2*	6	1.4*	5	1.1*	7	1.6*	4	0.9*	5	1.1*	4	0.9*	3	0.7*
NAPA	0	-	2	1.4*	2	1.4*	3	2.1*	1	0.7*	4	2.8*	1	0.7*	0	-	1	0.7*
NEVADA	0	-	0	-	5	5.1*	1	1.0*	2	2.0*	2	2.0*	1	1.0*	0	-	0	-
ORANGE	15	0.5*	32	1.0	37	1.2	64	2.0	58	1.8	46	1.4	67	2.1	54	1.7	59	1.8
PLACER	2	0.5*	5	1.4*	2	0.5*	4	1.1*	2	0.5*	1	0.3*	2	0.5*	4	1.0*	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	8	0.4*	15	0.7*	37	1.6	36	1.5	44	1.8	39	1.6	31	1.3	29	1.2	35	1.4
SACRAMENTO	10	0.7*	12	0.8*	16	1.1*	15	1.0*	11	0.7*	18	1.2*	15	1.0*	13	0.8*	12	0.8*
SAN BENITO	0	-	0	-	0	-	1	1.7*	0	-	2	3.3*	0	-	0	-	2	3.2*
SAN BERNARDINO	10	0.5*	21	1.0	24	1.1	48	2.3	30	1.4	32	1.5	34	1.6	24	1.1	25	1.1
SAN DIEGO	18	0.6*	37	1.1	50	1.5	53	1.6	63	1.9	53	1.6	53	1.6	49	1.5	64	1.9
SAN FRANCISCO	2	0.2*	3	0.3*	4	0.5*	1	0.1*	7	0.8*	3	0.3*	5	0.6*	1	0.1*	5	0.6*
SAN JOAQUIN	0	-	4	0.6*	6	0.8*	7	0.9*	7	0.9*	6	0.8*	14	1.8*	9	1.2*	1	0.1*
SAN LUIS OBISPO	0	-	0	-	0	-	3	1.1*	1	0.4*	1	0.4*	2	0.7*	3	1.1*	9	3.2*
SAN MATEO	1	0.1*	2	0.3*	0	-	3	0.4*	8	1.0*	2	0.3*	4	0.5*	2	0.3*	4	0.5*
SANTA BARBARA	3	0.7*	2	0.5*	8	1.8*	3	0.7*	7	1.6*	7	1.6*	4	0.9*	1	0.2*	7	1.5*
SANTA CLARA	4	0.2*	15	0.8*	10	0.5*	15	0.8*	10	0.5*	11	0.6*	14	0.7*	6	0.3*	14	0.7*
SANTA CRUZ	0	-	0	-	1	0.4*	6	2.2*	3	1.1*	1	0.4*	6	2.2*	4	1.5*	4	1.5*
SHASTA	0	-	0	-	0	-	1	0.6*	2	1.1*	3	1.7*	1	0.6*	1	0.6*	1	0.6*
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	2	4.5*	0	-	0	-	0	-	0	-	1	2.3*	0	-	0	-	0	-
SOLANO	6	1.4*	3	0.7*	5	1.2*	3	0.7*	4	0.9*	3	0.7*	8	1.8*	2	0.5*	2	0.4*
SONOMA	1	0.2*	0	-	1	0.2*	7	1.4*	6	1.2*	5	1.0*	4	0.8*	4	0.8*	5	1.0*
STANISLAUS	1	0.2*	8	1.5*	7	1.3*	7	1.3*	9	1.6*	1	0.2*	2	0.4*	4	0.7*	4	0.7*
SUTTER	0	-	2	2.1*	0	-	0	-	0	-	0	-	0	-	1	1.0*	0	-
TEHAMA	0	-	1	1.6*	0	-	0	-	1	1.6*	0	-	1	1.5*	0	-	1	1.6*
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	1	0.2*	0	-	0	-	0	-	1	0.2*	2	0.4*	5	1.0*	2	0.4*	7	1.5*
TUOLUMNE	0	-	0	-	0	-	2	3.8*	0	-	0	-	0	-	0	-	0	-
VENTURA	5	0.6*	11	1.3*	8	0.9*	10	1.2*	12	1.4*	13	1.5*	14	1.7*	12	1.4*	20	2.4
YOLO	0	-	3	1.4*	2	0.9*	2	0.9*	2	0.9*	2	0.9*	2	0.9*	1	0.5*	2	0.9*
YUBA	0	-	0	-	0	-	0	-	1	1.3*	5	6.5*	1	1.3*	1	1.3*	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.

## Legionellosis

### Legionellosis, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	204	354	478	602	537	454	560	375	461	
JANUARY	21	17	48	48	77	50	63	57	36	
FEBRUARY	18	17	46	27	38	26	50	35	31	
MARCH	15	30	45	40	26	42	36	47	30	
APRIL	12	31	45	39	35	30	42	21	30	
MAY	13	32	52	32	42	27	51	20	17	
JUNE	17	26	26	26	42	30	35	19	33	
JULY	29	38	39	46	52	30	46	28	46	
AUGUST	11	31	36	67	57	29	43	34	43	
SEPTEMBER	24	23	52	50	48	45	50	25	37	
OCTOBER	19	27	31	46	43	36	47	45	46	
NOVEMBER	11	27	27	79	43	39	43	29	46	
DECEMBER	14	55	31	102	34	70	54	15	66	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Legionellosis, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	204	0.5	354	0.9	478	1.2	602	1.5	537	1.4	454	1.1	560	1.4	375	0.9	461	1.2
FEMALE	75	0.4	157	0.8	208	1.1	241	1.2	207	1.0	152	0.8	196	1.0	149	0.7	142	0.7
MALE	129	0.7	196	1.0	268	1.4	361	1.8	330	1.7	301	1.5	364	1.8	225	1.1	319	1.6
UNKNOWN	0	-	1	-	2	-	0	-	0	-	1	-	0	-	1	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Legionellosis, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	204	0.5	354	0.9	478	1.2	602	1.5	537	1.4	454	1.1	560	1.4	375	0.9	461	1.2
0	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-	1	0.2*	0	-
1-4	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-	1	0.1*	0	-
5-9	1	0.0*	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-
10-14	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*
15-24	5	0.1*	2	0.0*	6	0.1*	5	0.1*	2	0.0*	0	-	6	0.1*	2	0.0*	5	0.1*
25-34	1	0.0*	9	0.2*	19	0.4	18	0.3*	15	0.3*	10	0.2*	19	0.4	10	0.2*	14	0.3*
35-44	15	0.3*	23	0.4	28	0.5	32	0.6	31	0.6	39	0.7	31	0.6	20	0.4	33	0.6
45-54	28	0.5	57	1.1	65	1.2	99	1.9	73	1.4	77	1.5	81	1.6	54	1.1	65	1.3
55-64	51	1.1	71	1.6	99	2.1	136	2.9	112	2.3	111	2.3	134	2.7	76	1.5	115	2.3
65+	103	2.1	191	3.8	258	4.9	312	5.7	304	5.4	217	3.7	288	4.7	211	3.4	228	3.5
UNKNOWN	0	-	1	-	1	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

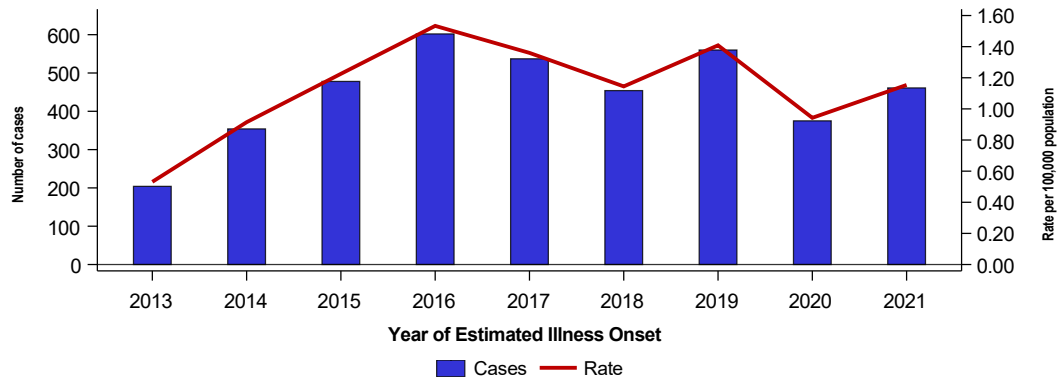
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Legionellosis, Cases by Race/Ethnicity, California, 2013-2021

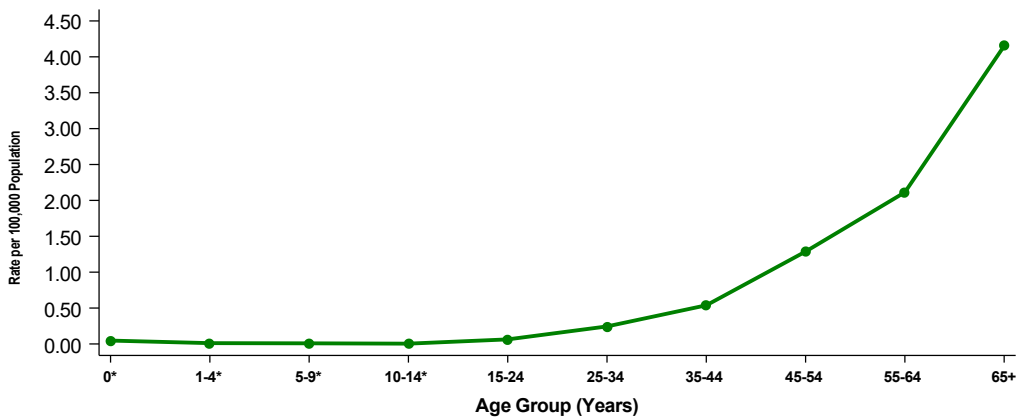
RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	204	354	478	602	537	454	560	375	461	
WHITE, NON-HISPANIC	98	173	212	292	251	203	226	166	216	
HISPANIC/LATINO	34	69	93	135	99	100	130	88	98	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	9	31	26	30	35	20	43	29	35	
BLACK, NON-HISPANIC	30	32	71	76	65	48	75	31	45	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	2	4	4	0	1	1	0	
MULTIPLE RACE, NON-HISPANIC	3	0	2	4	2	4	6	3	6	
OTHER, NON-HISPANIC	4	2	8	7	13	22	11	16	23	
UNKNOWN	26	47	64	54	68	57	68	41	38	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Legionellosis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021

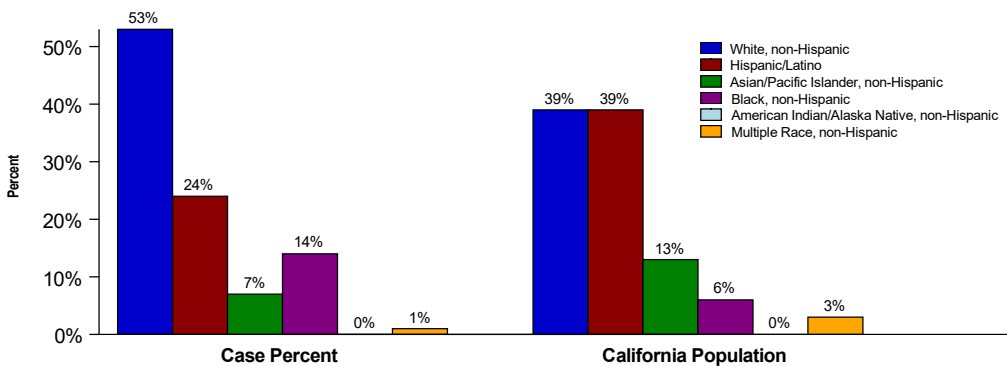


### Legionellosis Average Incidence Rates by Age Group, California, 2013-2021



\*Potentially unreliable rate: relative standard error 23 percent or more.

### Legionellosis Cases and Population by Race/Ethnicity, California, 2013-2021



11.5% (n=463) of reported incidents of Legionellosis did not identify race/ethnicity and 2.6% (n=106) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

## Leprosy (Hansen’s Disease)

### Leprosy (Hansen’s Disease), Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	13	0.0*	10	0.0*	12	0.0*	3	0.0*	7	0.0*	9	0.0*	8	0.0*	7	0.0*	3	0.0*
ALAMEDA COUNTY TOTAL	0	-	0	-	1	0.1*	0	-	0	-	1	0.1*	1	0.1*	0	-	0	-
ALAMEDA	0	-	0	-	1	0.1*	0	-	0	-	1	0.1*	1	0.1*	0	-	0	-
BERKELEY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	1	0.1*	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
FRESNO	0	-	1	0.1*	0	-	0	-	0	-	2	0.2*	0	-	0	-	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	1	0.7*	0	-	0	-	0	-
IMPERIAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	1	0.1*	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	1	3.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	1	0.0*	4	0.0*	2	0.0*	2	0.0*	2	0.0*	0	-	1	0.0*	1	0.0*	1	0.0*
LOS ANGELES	1	0.0*	4	0.0*	2	0.0*	2	0.0*	2	0.0*	0	-	1	0.0*	1	0.0*	1	0.0*
LONG BEACH	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-
NAPA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	1	0.0*	1	0.0*	2	0.1*	0	-	0	-	1	0.0*	0	-	1	0.0*	0	-
PLACER	0	-	0	-	0	-	0	-	1	0.3*	0	-	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	0	-	1	0.0*	0	-	1	0.0*	0	-	0	-	0	-
SACRAMENTO	2	0.1*	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	1	0.1*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	0	-	0	-	0	-	0	-	0	-	2	0.1*	1	0.0*	0	-	0	-
SAN DIEGO	1	0.0*	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-
SAN FRANCISCO	0	-	1	0.1*	0	-	0	-	0	-	1	0.1*	0	-	2	0.2*	0	-
SAN JOAQUIN	0	-	0	-	2	0.3*	0	-	0	-	0	-	0	-	0	-	0	-
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	0	-	1	0.1*	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-
SANTA BARBARA	0	-	1	0.2*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CLARA	4	0.2*	0	-	2	0.1*	0	-	1	0.1*	0	-	1	0.1*	1	0.1*	1	0.1*
SANTA CRUZ	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SHASTA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	0	-	1	0.2*	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-
SONOMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
STANISLAUS	1	0.2*	0	-	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	0	-	0	-	1	0.1*	0	-	2	0.2*	0	-	0	-	1	0.1*	0	-
YOLO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

## Leprosy (Hansen's Disease)

Leprosy (Hansen's Disease), Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	13	10	12	3	7	9	8	7	3	
JANUARY	2	0	2	0	3	0	0	1	0	
FEBRUARY	0	0	0	0	0	3	0	0	0	
MARCH	1	2	0	0	0	2	1	0	0	
APRIL	2	1	0	1	0	0	2	1	0	
MAY	1	0	2	0	0	0	2	0	1	
JUNE	2	1	1	1	0	0	1	1	1	
JULY	1	1	3	0	1	1	1	0	0	
AUGUST	0	0	1	0	1	1	0	1	0	
SEPTEMBER	0	2	0	0	0	0	0	0	1	
OCTOBER	3	0	1	0	1	1	0	1	0	
NOVEMBER	1	1	0	0	1	1	1	1	0	
DECEMBER	0	2	2	1	0	0	0	1	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

Leprosy (Hansen's Disease), Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	13	0.0*	10	0.0*	12	0.0*	3	0.0*	7	0.0*	9	0.0*	8	0.0*	7	0.0*	3	0.0*
FEMALE	4	0.0*	2	0.0*	2	0.0*	1	0.0*	1	0.0*	2	0.0*	3	0.0*	3	0.0*	0	-
MALE	9	0.0*	8	0.0*	10	0.1*	2	0.0*	6	0.0*	7	0.0*	5	0.0*	4	0.0*	3	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Leprosy (Hansen's Disease), Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	13	0.0*	10	0.0*	12	0.0*	3	0.0*	7	0.0*	9	0.0*	8	0.0*	7	0.0*	3	0.0*
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	1	0.0*	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-
10-14	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
15-24	1	0.0*	0	-	1	0.0*	0	-	0	-	0	-	0	-	1	0.0*	0	-
25-34	6	0.1*	0	-	3	0.1*	1	0.0*	1	0.0*	1	0.0*	1	0.0*	0	-	0	-
35-44	2	0.0*	5	0.1*	4	0.1*	0	-	3	0.1*	2	0.0*	2	0.0*	3	0.1*	2	0.0*
45-54	0	-	0	-	2	0.0*	0	-	1	0.0*	1	0.0*	0	-	0	-	0	-
55-64	3	0.1*	1	0.0*	2	0.0*	1	0.0*	0	-	1	0.0*	1	0.0*	2	0.0*	0	-
65+	0	-	4	0.1*	0	-	0	-	2	0.0*	3	0.1*	4	0.1*	1	0.0*	1	0.0*
UNKNOWN	0	-	0	-	0	-	0	-	0	-	1	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

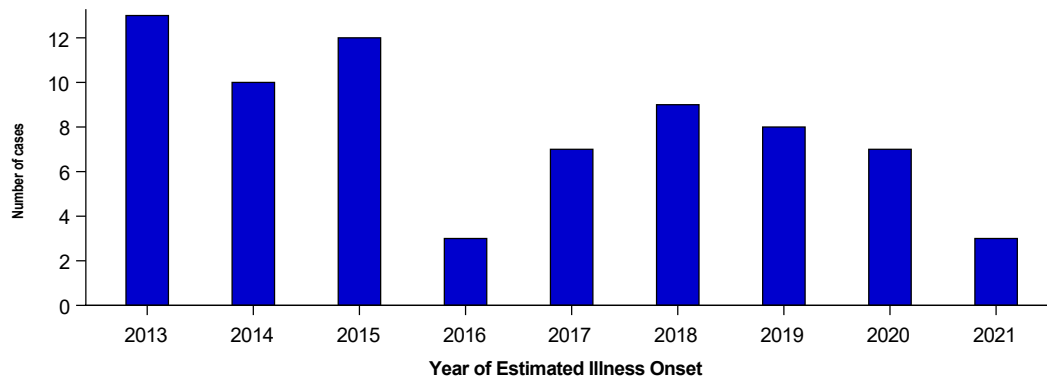
\*Potentially unreliable rate: relative standard error 23 percent or more.

Leprosy (Hansen's Disease), Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	13	10	12	3	7	9	8	7	3	
WHITE, NON-HISPANIC	2	1	1	0	0	0	1	0	0	
HISPANIC/LATINO	2	1	4	1	3	4	5	2	1	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	9	5	4	2	3	2	1	2	2	
BLACK, NON-HISPANIC	0	0	1	0	0	1	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
OTHER, NON-HISPANIC	0	1	0	0	1	0	0	1	0	
UNKNOWN	0	2	2	0	0	2	1	2	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Leprosy (Hansen's Disease) Cases by Year of Estimated Illness Onset, California, 2013-2021





# Leptospirosis

## Leptospirosis, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	1	0.0*	5	0.0*	1	0.0*	6	0.0*	7	0.0*	8	0.0*	8	0.0*	8	0.0*	5	0.0*
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	1	0.1*	1	0.1*
ALAMEDA	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	1	0.1*	1	0.1*
BERKELEY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	1	0.4*	0	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	1	0.1*
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
FRESNO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.7*
IMPERIAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	0	-	0	-	0	-	0	-	1	0.0*	1	0.0*	2	0.0*	1	0.0*	0	-
LOS ANGELES	0	-	0	-	0	-	0	-	1	0.0*	0	-	2	0.0*	1	0.0*	0	-
LONG BEACH	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	1	0.7*	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NAPA	0	-	0	-	0	-	0	-	0	-	1	0.7*	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	1	0.0*	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	1	0.0*
PLACER	0	-	0	-	0	-	1	0.3*	0	-	0	-	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-	1	0.0*	1	0.0*
SACRAMENTO	0	-	0	-	0	-	1	0.1*	2	0.1*	0	-	0	-	1	0.1*	0	-
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	0	-	2	0.1*	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-
SAN DIEGO	0	-	2	0.1*	0	-	0	-	1	0.0*	1	0.0*	1	0.0*	0	-	0	-
SAN FRANCISCO	0	-	0	-	0	-	1	0.1*	1	0.1*	0	-	2	0.2*	2	0.2*	0	-
SAN JOAQUIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*	0	-
SAN MATEO	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-
SANTA BARBARA	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-
SANTA CLARA	0	-	1	0.1*	0	-	0	-	0	-	2	0.1*	1	0.1*	0	-	0	-
SANTA CRUZ	0	-	0	-	0	-	1	0.4*	0	-	0	-	0	-	0	-	0	-
SHASTA	0	-	0	-	0	-	0	-	0	-	1	0.6*	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SONOMA	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-	1	0.2*	0	-
STANISLAUS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
YOLO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

## Leptospirosis

### Leptospirosis, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	1	5	1	6	7	8	8	8	5	
JANUARY	0	0	0	0	0	1	0	1	0	
FEBRUARY	0	0	0	0	1	0	0	1	0	
MARCH	0	0	0	1	1	1	0	0	0	
APRIL	0	0	0	2	1	0	0	0	1	
MAY	0	0	0	1	0	1	1	1	0	
JUNE	0	0	0	0	1	1	0	0	0	
JULY	0	1	1	0	0	1	3	0	0	
AUGUST	0	1	0	0	1	3	2	1	0	
SEPTEMBER	0	0	0	1	1	0	0	0	1	
OCTOBER	0	1	0	0	0	0	0	2	2	
NOVEMBER	1	1	0	0	1	0	1	1	0	
DECEMBER	0	1	0	1	0	0	1	1	1	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Leptospirosis, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	1	0.0*	5	0.0*	1	0.0*	6	0.0*	7	0.0*	8	0.0*	8	0.0*	8	0.0*	5	0.0*
FEMALE	0	-	0	-	0	-	3	0.0*	1	0.0*	1	0.0*	4	0.0*	0	-	2	0.0*
MALE	1	0.0*	5	0.0*	1	0.0*	3	0.0*	6	0.0*	7	0.0*	4	0.0*	8	0.0*	3	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Leptospirosis, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	1	0.0*	5	0.0*	1	0.0*	6	0.0*	7	0.0*	8	0.0*	8	0.0*	8	0.0*	5	0.0*
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
10-14	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
15-24	0	-	2	0.0*	1	0.0*	1	0.0*	0	-	3	0.1*	0	-	1	0.0*	0	-
25-34	0	-	0	-	0	-	1	0.0*	2	0.0*	2	0.0*	0	-	2	0.0*	1	0.0*
35-44	1	0.0*	1	0.0*	0	-	1	0.0*	1	0.0*	0	-	3	0.1*	1	0.0*	2	0.0*
45-54	0	-	1	0.0*	0	-	1	0.0*	0	-	2	0.0*	2	0.0*	2	0.0*	1	0.0*
55-64	0	-	1	0.0*	0	-	2	0.0*	2	0.0*	1	0.0*	2	0.0*	1	0.0*	1	0.0*
65+	0	-	0	-	0	-	0	-	2	0.0*	0	-	1	0.0*	1	0.0*	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

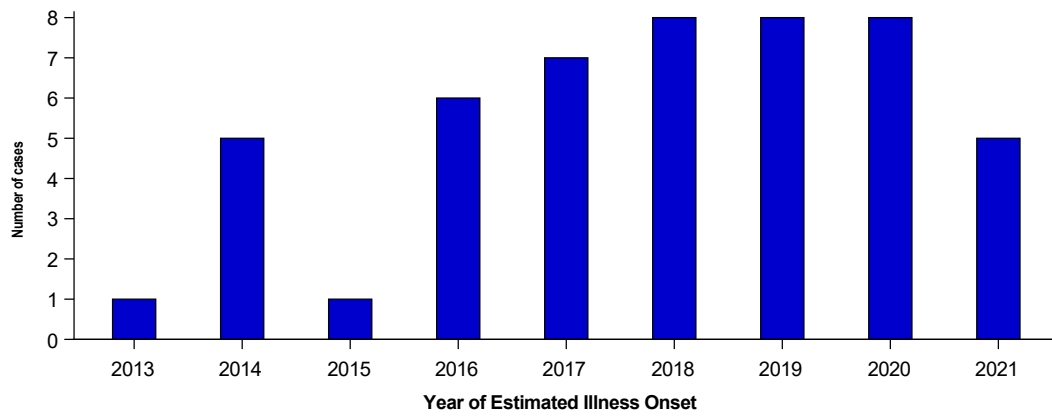
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Leptospirosis, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	1	5	1	6	7	8	8	8	5	
WHITE, NON-HISPANIC	1	2	1	2	4	3	3	4	2	
HISPANIC/LATINO	0	0	0	0	1	0	0	0	0	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	0	0	0	0	0	0	3	0	1	
BLACK, NON-HISPANIC	0	1	0	0	0	0	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	1	0	0	0	0	0	
OTHER, NON-HISPANIC	0	0	0	0	0	0	0	2	1	
UNKNOWN	0	2	0	3	2	5	2	2	1	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Leptospirosis Cases by Year of Estimated Illness Onset, California, 2013-2021



# Listeriosis

## Listeriosis, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
<b>CALIFORNIA TOTAL</b>	104	0.3	116	0.3	131	0.3	131	0.3	133	0.3	88	0.2	112	0.3	112	0.3	107	0.3
<b>ALAMEDA COUNTY TOTAL</b>	3	0.2*	1	0.1*	8	0.5*	6	0.4*	8	0.5*	5	0.3*	7	0.4*	5	0.3*	5	0.3*
ALAMEDA	3	0.2*	1	0.1*	8	0.5*	6	0.4*	8	0.5*	5	0.3*	7	0.5*	5	0.3*	5	0.3*
BERKELEY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	1	0.4*	0	-	3	1.3*	0	-	1	0.4*	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	4	0.4*	0	-	2	0.2*	1	0.1*	5	0.4*	1	0.1*	2	0.2*	1	0.1*	3	0.3*
DEL NORTE	0	-	1	3.7*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	1	0.5*	0	-	1	0.5*	2	1.1*	0	-	0	-	1	0.5*	0	-
FRESNO	1	0.1*	1	0.1*	2	0.2*	1	0.1*	1	0.1*	1	0.1*	0	-	2	0.2*	2	0.2*
GLENN	0	-	0	-	0	-	1	3.5*	1	3.5*	0	-	0	-	0	-	0	-
HUMBOLDT	1	0.7*	1	0.7*	0	-	0	-	0	-	0	-	0	-	0	-	2	1.5*
IMPERIAL	0	-	1	0.5*	1	0.5*	0	-	2	1.1*	1	0.5*	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	2	0.2*	1	0.1*	0	-	2	0.2*	2	0.2*	3	0.3*	0	-	0	-	1	0.1*
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	2	1.3*	1	0.6*	0	-
LAKE	1	1.5*	0	-	0	-	1	1.6*	0	-	0	-	0	-	0	-	0	-
LASSEN	2	6.3*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
<b>LOS ANGELES COUNTY TOTAL</b>	32	0.3	38	0.4	40	0.4	37	0.4	33	0.3	17	0.2*	28	0.3	23	0.2	34	0.3
LOS ANGELES	28	0.3	34	0.4	37	0.4	35	0.4	29	0.3	16	0.2*	26	0.3	23	0.2	33	0.3
LONG BEACH	3	0.6*	4	0.8*	0	-	0	-	2	0.4*	1	0.2*	1	0.2*	0	-	1	0.2*
PASADENA	1	0.7*	0	-	3	2.1*	2	1.4*	2	1.4*	0	-	1	0.7*	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	1	0.6*	0	-	0	-
MARIN	0	-	0	-	1	0.4*	1	0.4*	0	-	0	-	0	-	0	-	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	1	1.1*	0	-	0	-	0	-	1	1.1*	1	1.1*	0	-	3	3.4*
MERCED	0	-	0	-	0	-	1	0.4*	0	-	0	-	0	-	0	-	1	0.3*
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	4	0.9*	2	0.5*	1	0.2*	2	0.5*	1	0.2*	2	0.5*	0	-	1	0.2*	2	0.4*
NAPA	1	0.7*	0	-	0	-	1	0.7*	1	0.7*	0	-	1	0.7*	0	-	1	0.7*
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	6	0.2*	13	0.4*	12	0.4*	5	0.2*	16	0.5*	9	0.3*	7	0.2*	14	0.4*	11	0.3*
PLACER	1	0.3*	0	-	1	0.3*	1	0.3*	2	0.5*	1	0.3*	0	-	0	-	1	0.3*
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	1	0.0*	1	0.0*	9	0.4*	7	0.3*	4	0.2*	4	0.2*	5	0.2*	5	0.2*	1	0.0*
SACRAMENTO	1	0.1*	3	0.2*	2	0.1*	6	0.4*	3	0.2*	1	0.1*	8	0.5*	3	0.2*	6	0.4*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.6*
SAN BERNARDINO	4	0.2*	3	0.1*	3	0.1*	2	0.1*	3	0.1*	5	0.2*	12	0.6*	5	0.2*	5	0.2*
SAN DIEGO	16	0.5*	13	0.4*	10	0.3*	18	0.5*	17	0.5*	15	0.4*	8	0.2*	23	0.7	8	0.2*
SAN FRANCISCO	7	0.8*	7	0.8*	9	1.0*	3	0.3*	5	0.6*	2	0.2*	1	0.1*	6	0.7*	5	0.6*
SAN JOAQUIN	1	0.1*	2	0.3*	0	-	0	-	2	0.3*	2	0.3*	2	0.3*	1	0.1*	1	0.1*
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	1	0.4*	0	-	0	-	1	0.4*	1	0.4*
SAN MATEO	3	0.4*	5	0.7*	8	1.0*	6	0.8*	9	1.2*	3	0.4*	3	0.4*	8	1.0*	2	0.3*
SANTA BARBARA	0	-	1	0.2*	3	0.7*	2	0.4*	0	-	3	0.7*	4	0.9*	3	0.7*	0	-
SANTA CLARA	4	0.2*	10	0.5*	7	0.4*	5	0.3*	11	0.6*	6	0.3*	8	0.4*	6	0.3*	1	0.1*
SANTA CRUZ	0	-	2	0.7*	2	0.7*	2	0.7*	0	-	0	-	0	-	0	-	0	-
SHASTA	0	-	0	-	1	0.6*	1	0.6*	0	-	0	-	0	-	1	0.6*	1	0.6*
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	1	0.2*	1	0.2*	1	0.2*	2	0.5*	0	-	1	0.2*	2	0.5*	1	0.2*	3	0.7*
SONOMA	2	0.4*	3	0.6*	1	0.2*	3	0.6*	1	0.2*	2	0.4*	1	0.2*	0	-	1	0.2*
STANISLAUS	2	0.4*	0	-	1	0.2*	2	0.4*	0	-	0	-	3	0.5*	0	-	1	0.2*
SUTTER	0	-	0	-	0	-	4	4.1*	0	-	0	-	0	-	0	-	1	1.0*
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	1	0.2*	2	0.4*	3	0.6*	0	-	0	-	1	0.2*	4	0.8*	0	-	0	-
TUOLUMNE	0	-	0	-	1	1.9*	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	3	0.4*	1	0.1*	2	0.2*	2	0.2*	3	0.4*	0	-	2	0.2*	0	-	3	0.4*
YOLO	0	-	0	-	0	-	2	0.9*	0	-	1	0.5*	0	-	1	0.5*	0	-
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Note: Includes reported cases of neonatal and non-neonatal listeriosis.

## Listeriosis

### Listeriosis, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	104	116	131	131	133	88	112	112	107	
JANUARY	6	5	11	2	15	3	11	3	4	
FEBRUARY	4	6	7	8	8	4	8	5	4	
MARCH	6	12	9	12	11	7	5	5	5	
APRIL	9	12	9	12	7	3	7	4	10	
MAY	12	4	5	6	5	9	13	7	7	
JUNE	11	5	19	11	13	9	16	15	7	
JULY	10	17	13	13	19	12	13	13	11	
AUGUST	9	14	14	16	16	15	11	12	11	
SEPTEMBER	13	17	13	19	16	9	10	11	16	
OCTOBER	10	8	13	13	8	5	3	16	15	
NOVEMBER	7	8	11	10	6	6	10	5	2	
DECEMBER	7	8	7	9	9	6	5	16	15	

For inclusion/exclusion criteria, please refer to the Technical Notes.  
 Note: Includes reported cases of neonatal and non-neonatal listeriosis.

### Listeriosis, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	104	0.3	116	0.3	131	0.3	131	0.3	133	0.3	88	0.2	112	0.3	112	0.3	107	0.3
FEMALE	58	0.3	72	0.4	78	0.4	66	0.3	85	0.4	51	0.3	64	0.3	62	0.3	55	0.3
MALE	46	0.2	44	0.2	53	0.3	65	0.3	48	0.2	37	0.2	48	0.2	50	0.3	52	0.3

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.  
 Note: Includes reported cases of neonatal and non-neonatal listeriosis.

### Listeriosis, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	104	0.3	116	0.3	131	0.3	131	0.3	133	0.3	88	0.2	112	0.3	112	0.3	107	0.3
0	2	0.4*	5	1.0*	4	0.8*	4	0.8*	4	0.8*	10	2.2*	5	1.1*	7	1.6*	8	1.8*
1-4	0	-	1	0.0*	1	0.0*	0	-	2	0.1*	0	-	0	-	0	-	0	-
5-9	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*
10-14	1	0.0*	1	0.0*	0	-	1	0.0*	1	0.0*	0	-	0	-	0	-	0	-
15-24	4	0.1*	5	0.1*	2	0.0*	5	0.1*	2	0.0*	2	0.0*	3	0.1*	3	0.1*	4	0.1*
25-34	9	0.2*	10	0.2*	7	0.1*	9	0.2*	10	0.2*	5	0.1*	9	0.2*	12	0.2*	12	0.2*
35-44	7	0.1*	8	0.2*	8	0.2*	7	0.1*	13	0.3*	6	0.1*	8	0.2*	7	0.1*	5	0.1*
45-54	11	0.2*	11	0.2*	8	0.2*	13	0.2*	15	0.3*	5	0.1*	11	0.2*	6	0.1*	3	0.1*
55-64	17	0.4*	11	0.2*	19	0.4	15	0.3*	14	0.3*	17	0.3*	16	0.3*	13	0.3*	14	0.3*
65+	53	1.1	64	1.3	82	1.6	77	1.4	72	1.3	43	0.7	60	1.0	64	1.0	60	0.9

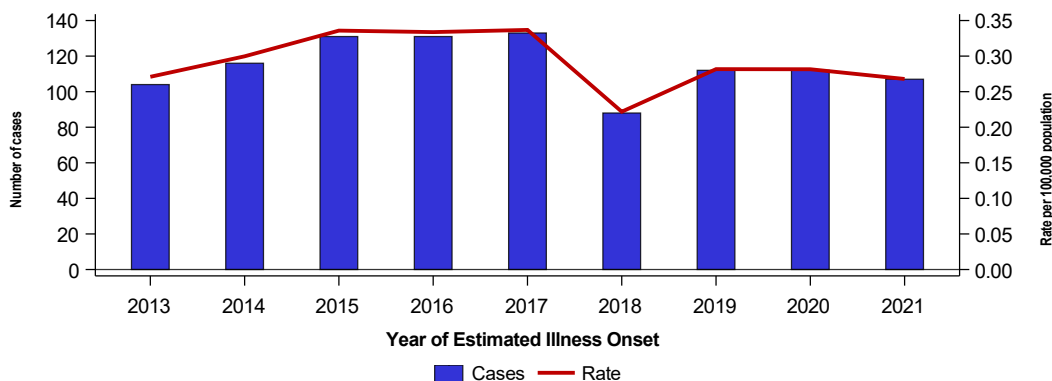
Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.  
 Note: Includes reported cases of neonatal and non-neonatal listeriosis.

### Listeriosis, Cases by Race/Ethnicity, California, 2013-2021

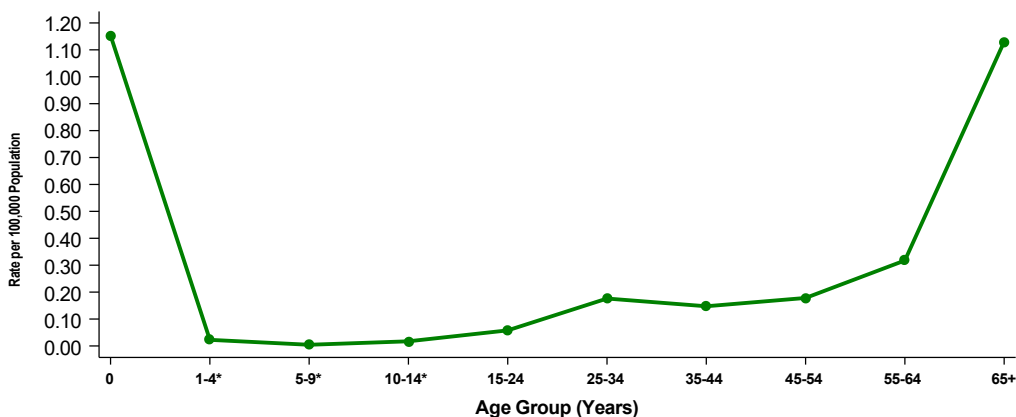
RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	104	116	131	131	133	88	112	112	107	
WHITE, NON-HISPANIC	38	33	48	59	45	29	33	33	33	
HISPANIC/LATINO	23	37	37	32	35	30	39	40	38	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	17	28	20	22	33	16	24	25	25	
BLACK, NON-HISPANIC	6	4	4	6	6	2	6	2	2	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	1	0	0	0	0	0	0	1	
MULTIPLE RACE, NON-HISPANIC	1	1	2	0	0	1	2	1	0	
OTHER, NON-HISPANIC	2	2	5	4	4	5	4	3	5	
UNKNOWN	17	10	15	8	10	5	4	8	3	

For inclusion/exclusion criteria, please refer to the Technical Notes.  
 Note: Includes reported cases of neonatal and non-neonatal listeriosis.

### Listeriosis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021

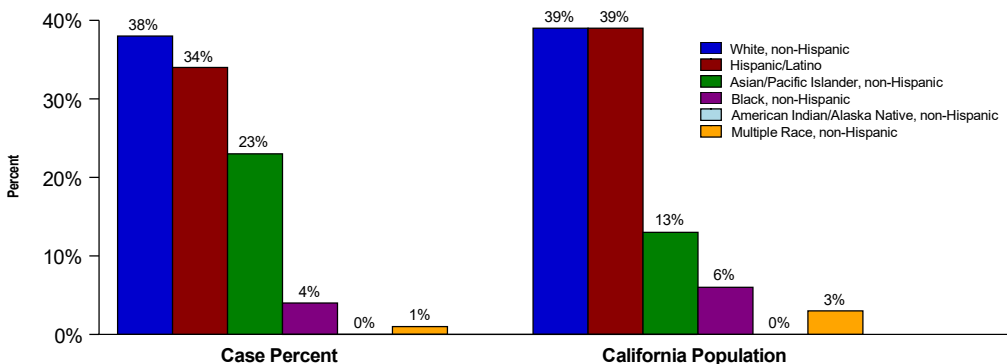


### Listeriosis Average Incidence Rates by Age Group, California, 2013-2021



\*Potentially unreliable rate: relative standard error 23 percent or more.

### Listeriosis Cases and Population by Race/Ethnicity, California, 2013-2021



7.7% (n=80) of reported incidents of Listeriosis did not identify race/ethnicity and 3.3% (n=34) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

# Lyme Disease

## Lyme Disease, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
<b>CALIFORNIA TOTAL</b>	123	0.3	91	0.2	129	0.3	152	0.4	176	0.4	120	0.3	139	0.3	53	0.1	106	0.3
<b>ALAMEDA COUNTY TOTAL</b>	0	-	6	0.4*	11	0.7*	15	0.9*	14	0.8*	4	0.2*	12	0.7*	6	0.4*	4	0.2*
ALAMEDA	0	-	3	0.2*	9	0.6*	12	0.8*	13	0.9*	4	0.3*	7	0.5*	5	0.3*	3	0.2*
BERKELEY	0	-	3	2.5*	2	1.7*	3	2.5*	1	0.8*	0	-	5	4.1*	1	0.8*	1	0.8*
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	1	2.8*	0	-	2	5.5*	0	-	0	-	0	-	0	-	1	2.7*	0	-
BUTTE	0	-	2	0.9*	0	-	3	1.3*	0	-	0	-	1	0.5*	0	-	0	-
CALAVERAS	0	-	0	-	1	2.2*	0	-	1	2.2*	0	-	1	2.3*	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	4	0.4*	3	0.3*	8	0.7*	11	1.0*	11	1.0*	10	0.9*	4	0.3*	2	0.2*	6	0.5*
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	3	1.6*	1	0.5*	2	1.1*	4	2.2*	1	0.5*	0	-	0	-	0	-	1	0.5*
FRESNO	2	0.2*	0	-	1	0.1*	1	0.1*	0	-	1	0.1*	1	0.1*	0	-	1	0.1*
GLENN	0	-	1	3.5*	0	-	0	-	1	3.5*	1	3.5*	0	-	0	-	0	-
HUMBOLDT	4	3.0*	6	4.5*	9	6.7*	7	5.2*	3	2.2*	1	0.7*	7	5.2*	0	-	0	-
IMPERIAL	0	-	0	-	0	-	1	0.5*	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	1	0.1*	1	0.1*	1	0.1*	0	-	0	-	0	-	0	-
KINGS	1	0.7*	0	-	0	-	1	0.7*	1	0.7*	0	-	2	1.3*	1	0.6*	0	-
LAKE	0	-	0	-	1	1.5*	1	1.6*	0	-	2	3.1*	2	3.1*	1	1.6*	0	-
LASSEN	0	-	0	-	1	3.3*	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	22	0.2	7	0.1*	7	0.1*	2	0.0*	3	0.0*	5	0.0*	3	0.0*	2	0.0*	7	0.1*
LOS ANGELES	19	0.2	5	0.1*	4	0.0*	1	0.0*	0	-	4	0.0*	3	0.0*	0	-	4	0.0*
LONG BEACH	2	0.4*	2	0.4*	1	0.2*	1	0.2*	2	0.4*	0	-	0	-	1	0.2*	3	0.7*
PASADENA	1	0.7*	0	-	2	1.4*	0	-	1	0.7*	1	0.7*	0	-	1	0.7*	0	-
MADERA	0	-	0	-	0	-	1	0.6*	0	-	0	-	0	-	1	0.6*	0	-
MARIN	9	3.5*	4	1.5*	6	2.3*	2	0.8*	0	-	2	0.8*	8	3.1*	2	0.8*	5	1.9*
MARIPOSA	1	5.5*	1	5.5*	1	5.5*	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	1	1.1*	2	2.3*	0	-	1	1.1*	2	2.3*	1	1.1*	9	10.2*	3	3.4*	8	9.1*
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	1	7.2*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	1	0.2*	0	-	2	0.5*	2	0.5*	0	-	0	-	3	0.7*	0	-	2	0.4*
NAPA	1	0.7*	3	2.1*	3	2.1*	1	0.7*	1	0.7*	2	1.4*	0	-	1	0.7*	2	1.4*
NEVADA	0	-	0	-	1	1.0*	2	2.0*	0	-	2	2.0*	2	2.0*	0	-	0	-
ORANGE	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-
PLACER	1	0.3*	0	-	0	-	1	0.3*	3	0.8*	0	-	0	-	0	-	0	-
PLUMAS	0	-	1	5.4*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	2	0.1*	3	0.1*	3	0.1*	4	0.2*	5	0.2*	6	0.2*	3	0.1*	4	0.2*	4	0.2*
SACRAMENTO	0	-	0	-	0	-	1	0.1*	1	0.1*	4	0.3*	2	0.1*	0	-	0	-
SAN BENITO	1	1.7*	0	-	1	1.7*	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	1	0.0*	0	-	1	0.0*	2	0.1*	0	-	1	0.0*	5	0.2*	1	0.0*	4	0.2*
SAN DIEGO	6	0.2*	10	0.3*	11	0.3*	8	0.2*	18	0.5*	8	0.2*	0	-	3	0.1*	10	0.3*
SAN FRANCISCO	9	1.1*	0	-	0	-	2	0.2*	20	2.3	17	1.9*	13	1.4*	10	1.1*	12	1.3*
SAN JOAQUIN	0	-	1	0.1*	0	-	1	0.1*	1	0.1*	1	0.1*	2	0.3*	0	-	0	-
SAN LUIS OBISPO	3	1.1*	3	1.1*	4	1.4*	3	1.1*	0	-	3	1.1*	2	0.7*	3	1.1*	1	0.4*
SAN MATEO	6	0.8*	5	0.7*	6	0.8*	10	1.3*	4	0.5*	0	-	3	0.4*	1	0.1*	0	-
SANTA BARBARA	8	1.8*	1	0.2*	5	1.1*	7	1.6*	3	0.7*	6	1.3*	3	0.7*	1	0.2*	3	0.7*
SANTA CLARA	13	0.7*	5	0.3*	11	0.6*	16	0.8*	25	1.3	7	0.4*	6	0.3*	4	0.2*	8	0.4*
SANTA CRUZ	9	3.3*	7	2.6*	12	4.4*	5	1.8*	21	7.6	10	3.7*	14	5.1*	2	0.7*	12	4.4*
SHASTA	0	-	0	-	0	-	1	0.6*	1	0.6*	0	-	0	-	1	0.6*	1	0.6*
SIERRA	0	-	0	-	0	-	0	-	0	-	1	31.9*	0	-	0	-	0	-
SISKIYOU	1	2.2*	0	-	2	4.5*	1	2.3*	0	-	1	2.3*	1	2.3*	0	-	1	2.3*
SOLANO	0	-	1	0.2*	0	-	4	0.9*	2	0.5*	2	0.5*	1	0.2*	1	0.2*	1	0.2*
SONOMA	7	1.4*	12	2.4*	13	2.6*	15	3.0*	19	3.8	11	2.2*	10	2.0*	0	-	4	0.8*
STANISLAUS	0	-	1	0.2*	0	-	1	0.2*	3	0.5*	5	0.9*	1	0.2*	1	0.2*	1	0.2*
SUTTER	0	-	0	-	0	-	0	-	0	-	1	1.0*	0	-	0	-	0	-
TEHAMA	0	-	1	1.6*	0	-	3	4.7*	1	1.6*	0	-	0	-	0	-	0	-
TRINITY	1	7.3*	1	7.3*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	1	0.2*	0	-	1	0.2*	1	0.2*	2	0.4*	1	0.2*	8	1.7*	0	-	0	-
TUOLUMNE	0	-	0	-	1	1.9*	2	3.8*	0	-	0	-	2	3.8*	0	-	0	-
VENTURA	2	0.2*	0	-	0	-	6	0.7*	5	0.6*	3	0.4*	4	0.5*	0	-	5	0.6*
YOLO	1	0.5*	1	0.5*	1	0.5*	1	0.5*	3	1.4*	1	0.5*	3	1.4*	0	-	1	0.4*
YUBA	0	-	2	2.7*	0	-	0	-	0	-	0	-	1	1.3*	1	1.3*	2	2.6*

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.

## Lyme Disease

### Lyme Disease, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	123	91	129	152	176	120	139	53	106	
JANUARY	3	3	10	7	12	6	5	3	7	
FEBRUARY	3	4	3	4	6	5	6	7	5	
MARCH	7	3	6	6	17	4	8	2	3	
APRIL	5	6	9	10	10	10	11	5	5	
MAY	8	8	16	11	21	9	10	3	7	
JUNE	21	12	13	19	28	21	17	8	20	
JULY	23	21	21	30	26	22	22	7	23	
AUGUST	26	17	19	30	23	7	17	1	16	
SEPTEMBER	15	5	10	10	8	15	15	5	8	
OCTOBER	5	4	10	12	12	5	10	4	5	
NOVEMBER	6	4	6	5	8	7	11	4	4	
DECEMBER	1	4	6	8	5	9	7	4	3	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Lyme Disease, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	123	0.3	91	0.2	129	0.3	152	0.4	176	0.4	120	0.3	139	0.3	53	0.1	106	0.3
FEMALE	58	0.3	50	0.3	52	0.3	66	0.3	96	0.5	67	0.3	73	0.4	20	0.1	45	0.2
MALE	65	0.3	40	0.2	77	0.4	85	0.4	80	0.4	53	0.3	66	0.3	33	0.2	61	0.3
UNKNOWN	0	-	1	-	0	-	1	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Lyme Disease, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	123	0.3	91	0.2	129	0.3	152	0.4	176	0.4	120	0.3	139	0.3	53	0.1	106	0.3
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	6	0.3*	2	0.1*	3	0.1*	4	0.2*	4	0.2*	2	0.1*	1	0.1*	2	0.1*	2	0.1*
5-9	10	0.4*	5	0.2*	17	0.7*	10	0.4*	5	0.2*	5	0.2*	9	0.4*	1	0.0*	14	0.6*
10-14	10	0.4*	5	0.2*	11	0.4*	14	0.5*	15	0.6*	7	0.3*	4	0.2*	2	0.1*	5	0.2*
15-24	14	0.2*	10	0.2*	10	0.2*	9	0.2*	17	0.3*	13	0.2*	20	0.3	8	0.1*	8	0.1*
25-34	17	0.3*	15	0.3*	15	0.3*	28	0.5	27	0.5	14	0.3*	23	0.4	14	0.3*	8	0.2*
35-44	15	0.3*	10	0.2*	16	0.3*	24	0.5	26	0.5	15	0.3*	15	0.3*	7	0.1*	15	0.3*
45-54	20	0.4	16	0.3*	21	0.4	17	0.3*	25	0.5	24	0.5	19	0.4	6	0.1*	7	0.1*
55-64	20	0.5	19	0.4	15	0.3*	19	0.4	30	0.6	25	0.5	21	0.4	3	0.1*	24	0.5
65+	10	0.2*	9	0.2*	21	0.4	26	0.5	27	0.5	15	0.3*	27	0.4	10	0.2*	23	0.4
UNKNOWN	1	-	0	-	0	-	1	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

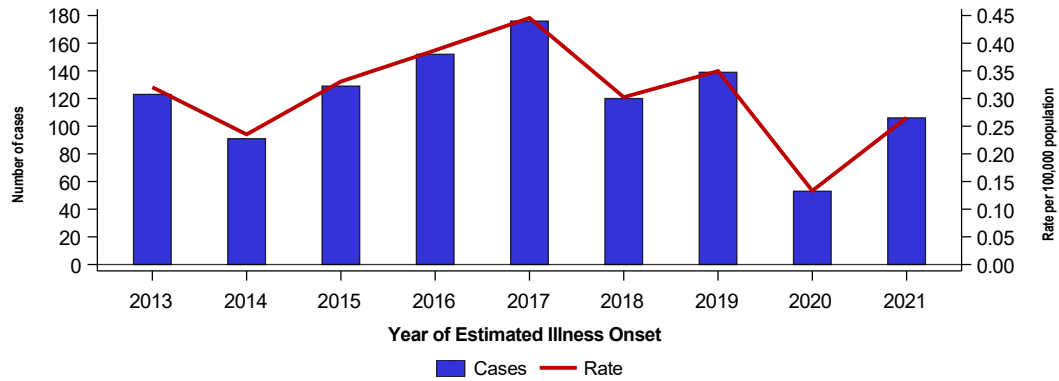
### Lyme Disease, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	123	91	129	152	176	120	139	53	106	
WHITE, NON-HISPANIC	77	44	64	58	66	42	48	18	62	
HISPANIC/LATINO	7	5	4	9	7	2	5	3	8	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	2	1	8	9	4	4	4	3	4	
BLACK, NON-HISPANIC	0	0	1	1	1	3	1	1	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	1	1	1	0	0	1	0	0	
MULTIPLE RACE, NON-HISPANIC	2	0	0	0	1	2	0	1	0	
OTHER, NON-HISPANIC	1	0	0	5	5	5	4	2	2	
UNKNOWN	34	40	51	69	92	62	76	25	30	

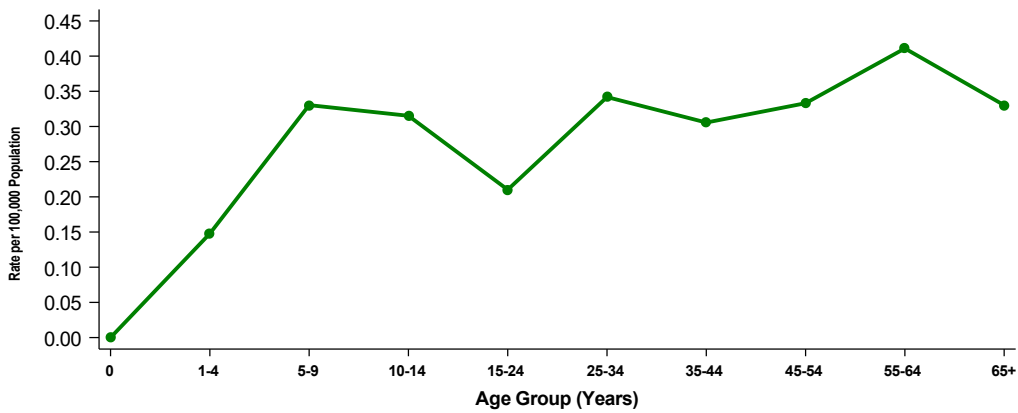
For inclusion/exclusion criteria, please refer to the Technical Notes.



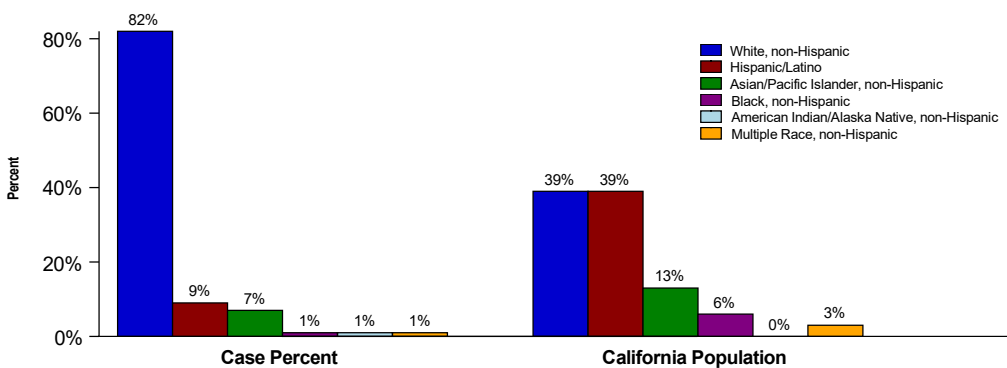
### Lyme Disease Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021



### Lyme Disease Average Incidence Rates by Age Group, California, 2013-2021



### Lyme Disease Cases and Population by Race/Ethnicity, California, 2013-2021



44% (n=479) of reported incidents of Lyme Disease did not identify race/ethnicity and 2.2% (n=24) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

# Malaria

## Malaria, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013	2014	2015	2016	2017	2018	2019	2020	2021									
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE								
<b>CALIFORNIA TOTAL</b>	108	0.3	95	0.2	101	0.3	129	0.3	134	0.3	97	0.2	105	0.3	45	0.1	82	0.2
<b>ALAMEDA COUNTY TOTAL</b>	13	0.8*	9	0.6*	12	0.7*	18	1.1*	16	1.0*	13	0.8*	12	0.7*	3	0.2*	10	0.6*
ALAMEDA	12	0.8*	8	0.5*	11	0.7*	14	0.9*	16	1.1*	12	0.8*	12	0.8*	2	0.1*	9	0.6*
BERKELEY	1	0.9*	1	0.8*	1	0.8*	4	3.3*	0	-	1	0.8*	0	-	1	0.8*	1	0.8*
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	2	0.9*	0	-	0	-	0	-	0	-	0	-	1	0.5*	1	0.4*
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	5	0.5*	5	0.5*	5	0.4*	8	0.7*	3	0.3*	3	0.3*	8	0.7*	2	0.2*	3	0.3*
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
FRESNO	2	0.2*	1	0.1*	1	0.1*	0	-	1	0.1*	0	-	2	0.2*	0	-	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	2	1.5*	1	0.7*	1	0.7*	0	-	1	0.7*	1	0.7*	0	-	0	-	0	-
IMPERIAL	0	-	1	0.5*	0	-	0	-	0	-	0	-	0	-	0	-	1	0.5*
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	2	0.2*	1	0.1*	2	0.2*	3	0.3*	0	-	1	0.1*	2	0.2*	1	0.1*	2	0.2*
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	1	0.7*	1	0.6*	0	-
LAKE	0	-	0	-	0	-	0	-	1	1.5*	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
<b>LOS ANGELES COUNTY TOTAL</b>	20	0.2	23	0.2	23	0.2	29	0.3	35	0.3	25	0.2	18	0.2*	10	0.1*	20	0.2
LOS ANGELES	16	0.2*	21	0.2	21	0.2	27	0.3	34	0.4	22	0.2	17	0.2*	8	0.1*	18	0.2*
LONG BEACH	2	0.4*	2	0.4*	2	0.4*	0	-	1	0.2*	2	0.4*	0	-	2	0.4*	2	0.4*
PASADENA	2	1.4*	0	-	0	-	2	1.4*	0	-	1	0.7*	1	0.7*	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIN	1	0.4*	1	0.4*	1	0.4*	0	-	0	-	0	-	1	0.4*	1	0.4*	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	1	1.1*	0	-	0	-	1	1.1*	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	10.6*	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	1	0.2*	1	0.2*	0	-	0	-	0	-	1	0.2*	2	0.5*	0	-	0	-
NAPA	0	-	0	-	0	-	0	-	1	0.7*	0	-	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.0*	0	-
ORANGE	7	0.2*	2	0.1*	9	0.3*	9	0.3*	4	0.1*	3	0.1*	6	0.2*	2	0.1*	3	0.1*
PLACER	1	0.3*	3	0.8*	0	-	1	0.3*	1	0.3*	1	0.3*	3	0.8*	0	-	2	0.5*
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	5	0.2*	1	0.0*	5	0.2*	4	0.2*	10	0.4*	3	0.1*	3	0.1*	0	-	2	0.1*
SACRAMENTO	2	0.1*	6	0.4*	6	0.4*	8	0.5*	12	0.8*	14	0.9*	11	0.7*	7	0.4*	7	0.4*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	5	0.2*	3	0.1*	3	0.1*	8	0.4*	5	0.2*	3	0.1*	5	0.2*	0	-	6	0.3*
SAN DIEGO	9	0.3*	7	0.2*	8	0.2*	13	0.4*	7	0.2*	8	0.2*	6	0.2*	7	0.2*	8	0.2*
SAN FRANCISCO	4	0.5*	7	0.8*	5	0.6*	7	0.8*	6	0.7*	3	0.3*	3	0.3*	0	-	2	0.2*
SAN JOAQUIN	1	0.1*	2	0.3*	0	-	2	0.3*	5	0.7*	1	0.1*	1	0.1*	1	0.1*	1	0.1*
SAN LUIS OBISPO	1	0.4*	2	0.7*	0	-	1	0.4*	0	-	1	0.4*	1	0.4*	1	0.4*	0	-
SAN MATEO	1	0.1*	1	0.1*	6	0.8*	1	0.1*	3	0.4*	4	0.5*	1	0.1*	1	0.1*	2	0.3*
SANTA BARBARA	1	0.2*	1	0.2*	1	0.2*	3	0.7*	1	0.2*	1	0.2*	0	-	0	-	1	0.2*
SANTA CLARA	13	0.7*	8	0.4*	9	0.5*	9	0.5*	12	0.6*	8	0.4*	14	0.7*	5	0.3*	6	0.3*
SANTA CRUZ	0	-	0	-	1	0.4*	0	-	0	-	1	0.4*	1	0.4*	0	-	0	-
SHASTA	2	1.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	1	0.2*	0	-	0	-	2	0.5*	0	-	0	-	1	0.2*	0	-	2	0.4*
SONOMA	2	0.4*	0	-	0	-	0	-	3	0.6*	0	-	0	-	0	-	0	-
STANISLAUS	0	-	1	0.2*	0	-	1	0.2*	2	0.4*	0	-	1	0.2*	0	-	2	0.4*
SUTTER	3	3.1*	2	2.1*	1	1.0*	0	-	0	-	1	1.0*	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	1	0.2*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	1	0.1*	1	0.1*	0	-	0	-	3	0.4*	0	-	2	0.2*	0	-	1	0.1*
YOLO	2	1.0*	2	1.0*	2	0.9*	1	0.5*	1	0.5*	1	0.5*	0	-	0	-	0	-
YUBA	0	-	0	-	0	-	1	1.3*	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.

## Malaria

Malaria, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	108	95	101	129	134	97	105	45	82	
JANUARY	4	6	9	6	9	10	9	12	4	
FEBRUARY	3	5	7	7	6	4	2	3	2	
MARCH	4	5	3	5	5	3	5	3	3	
APRIL	6	4	7	11	9	10	6	4	3	
MAY	18	7	6	11	11	7	9	6	11	
JUNE	6	8	13	14	8	8	14	1	9	
JULY	12	19	14	16	18	10	11	5	9	
AUGUST	11	12	11	24	16	11	9	3	12	
SEPTEMBER	12	5	10	15	21	12	18	0	11	
OCTOBER	9	9	11	6	15	5	9	3	5	
NOVEMBER	12	8	6	7	9	8	5	0	5	
DECEMBER	11	7	4	7	7	9	8	5	8	

For inclusion/exclusion criteria, please refer to the Technical Notes.

Malaria, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	108	0.3	95	0.2	101	0.3	129	0.3	134	0.3	97	0.2	105	0.3	45	0.1	82	0.2
FEMALE	41	0.2	36	0.2	38	0.2	53	0.3	46	0.2	43	0.2	42	0.2	20	0.1	24	0.1
MALE	67	0.4	59	0.3	63	0.3	76	0.4	88	0.4	54	0.3	63	0.3	25	0.1	58	0.3

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Malaria, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	108	0.3	95	0.2	101	0.3	129	0.3	134	0.3	97	0.2	105	0.3	45	0.1	82	0.2
0	0	-	1	0.2*	0	-	1	0.2*	1	0.2*	0	-	0	-	0	-	0	-
1-4	3	0.1*	2	0.1*	1	0.0*	3	0.2*	2	0.1*	5	0.3*	2	0.1*	3	0.2*	0	-
5-9	4	0.2*	1	0.0*	5	0.2*	7	0.3*	4	0.2*	6	0.2*	8	0.3*	2	0.1*	1	0.0*
10-14	3	0.1*	3	0.1*	3	0.1*	5	0.2*	9	0.3*	2	0.1*	8	0.3*	2	0.1*	6	0.2*
15-24	14	0.2*	15	0.3*	15	0.3*	16	0.3*	22	0.4	14	0.2*	10	0.2*	7	0.1*	10	0.2*
25-34	30	0.6	23	0.4	24	0.5	31	0.6	29	0.6	20	0.4	14	0.3*	12	0.2*	15	0.3*
35-44	13	0.3*	14	0.3*	21	0.4	15	0.3*	20	0.4	14	0.3*	23	0.4	4	0.1*	12	0.2*
45-54	14	0.3*	14	0.3*	11	0.2*	15	0.3*	15	0.3*	15	0.3*	12	0.2*	8	0.2*	16	0.3*
55-64	18	0.4*	15	0.3*	9	0.2*	20	0.4	20	0.4	16	0.3*	13	0.3*	2	0.0*	15	0.3*
65+	9	0.2*	6	0.1*	11	0.2*	16	0.3*	12	0.2*	5	0.1*	14	0.2*	5	0.1*	7	0.1*
UNKNOWN	0	-	1	-	1	-	0	-	0	-	0	-	1	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

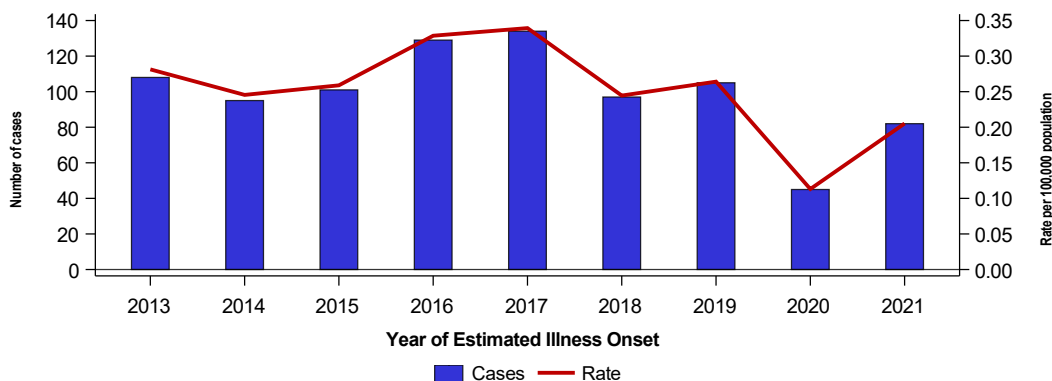
\*Potentially unreliable rate: relative standard error 23 percent or more.

Malaria, Cases by Race/Ethnicity, California, 2013-2021

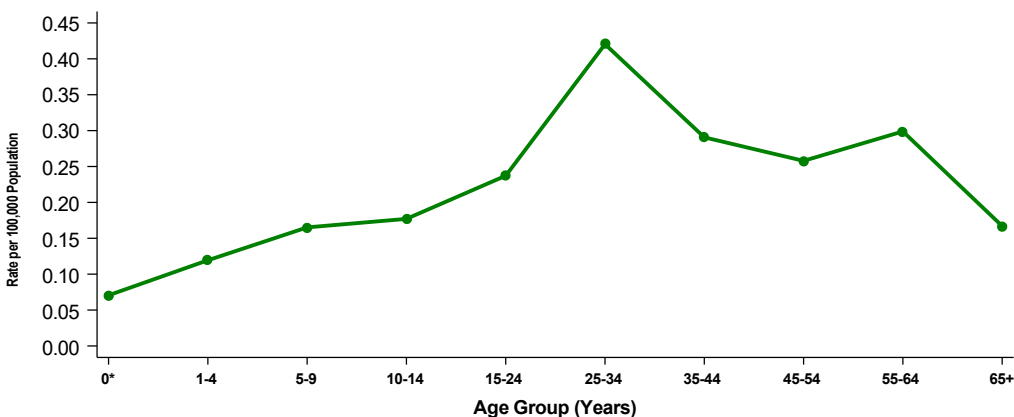
RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	108	95	101	129	134	97	105	45	82	
WHITE, NON-HISPANIC	19	16	18	21	17	11	12	7	6	
HISPANIC/LATINO	6	4	5	8	5	2	3	0	5	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	24	11	17	15	17	24	12	7	6	
BLACK, NON-HISPANIC	37	37	39	62	68	36	47	17	46	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	1	1	3	2	2	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	1	0	2	1	1	1	2	1	
OTHER, NON-HISPANIC	6	5	7	7	12	9	11	6	7	
UNKNOWN	16	20	14	11	12	12	19	6	11	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Malaria Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021

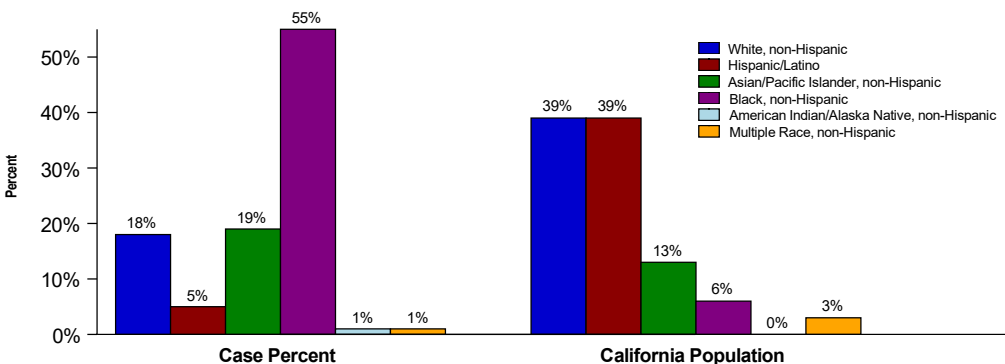


### Malaria Average Incidence Rates by Age Group, California, 2013-2021



\*Potentially unreliable rate: relative standard error 23 percent or more.

### Malaria Cases and Population by Race/Ethnicity, California, 2013-2021



13.5% (n=121) of reported incidents of Malaria did not identify race/ethnicity and 7.8% (n=70) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

## Paralytic Shellfish Poisoning

Paralytic Shellfish Poisoning, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET										
	2013	2014	2015	2016	2017	2018	2019	2020	2021		
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	
CALIFORNIA TOTAL	0	0	0	0	0	1	0.0*	0	0	1	0.0*
ALAMEDA COUNTY TOTAL	0	0	0	0	0	0	-	0	0	1	0.1*
ALAMEDA	0	0	0	0	0	0	-	0	0	1	0.1*
BERKELEY	0	0	0	0	0	0	-	0	0	0	-
ALPINE	0	0	0	0	0	0	-	0	0	0	-
AMADOR	0	0	0	0	0	0	-	0	0	0	-
BUTTE	0	0	0	0	0	0	-	0	0	0	-
CALAVERAS	0	0	0	0	0	0	-	0	0	0	-
COLUSA	0	0	0	0	0	0	-	0	0	0	-
CONTRA COSTA	0	0	0	0	0	0	-	0	0	0	-
DEL NORTE	0	0	0	0	0	0	-	0	0	0	-
EL DORADO	0	0	0	0	0	0	-	0	0	0	-
FRESNO	0	0	0	0	0	0	-	0	0	0	-
GLENN	0	0	0	0	0	0	-	0	0	0	-
HUMBOLDT	0	0	0	0	0	0	-	0	0	0	-
IMPERIAL	0	0	0	0	0	0	-	0	0	0	-
INYO	0	0	0	0	0	0	-	0	0	0	-
KERN	0	0	0	0	0	0	-	0	0	0	-
KINGS	0	0	0	0	0	0	-	0	0	0	-
LAKE	0	0	0	0	0	0	-	0	0	0	-
LASSEN	0	0	0	0	0	0	-	0	0	0	-
LOS ANGELES COUNTY TOTAL	0	0	0	0	0	0	-	0	0	0	-
LOS ANGELES	0	0	0	0	0	0	-	0	0	0	-
LONG BEACH	0	0	0	0	0	0	-	0	0	0	-
PASADENA	0	0	0	0	0	0	-	0	0	0	-
MADERA	0	0	0	0	0	0	-	0	0	0	-
MARIN	0	0	0	0	0	0	-	0	0	0	-
MARIPOSA	0	0	0	0	0	0	-	0	0	0	-
MENDOCINO	0	0	0	0	0	0	-	0	0	0	-
MERCED	0	0	0	0	0	0	-	0	0	0	-
MODOC	0	0	0	0	0	0	-	0	0	0	-
MONO	0	0	0	0	0	0	-	0	0	0	-
MONTEREY	0	0	0	0	0	0	-	0	0	0	-
NAPA	0	0	0	0	0	0	-	0	0	0	-
NEVADA	0	0	0	0	0	0	-	0	0	0	-
ORANGE	0	0	0	0	0	0	-	0	0	0	-
PLACER	0	0	0	0	0	0	-	0	0	0	-
PLUMAS	0	0	0	0	0	0	-	0	0	0	-
RIVERSIDE	0	0	0	0	0	0	-	0	0	0	-
SACRAMENTO	0	0	0	0	0	0	-	0	0	0	-
SAN BENITO	0	0	0	0	0	0	-	0	0	0	-
SAN BERNARDINO	0	0	0	0	0	0	-	0	0	0	-
SAN DIEGO	0	0	0	0	0	0	-	0	0	0	-
SAN FRANCISCO	0	0	0	0	0	0	-	0	0	0	-
SAN JOAQUIN	0	0	0	0	0	0	-	0	0	0	-
SAN LUIS OBISPO	0	0	0	0	0	0	-	0	0	0	-
SAN MATEO	0	0	0	0	0	0	-	0	0	0	-
SANTA BARBARA	0	0	0	0	0	0	-	0	0	0	-
SANTA CLARA	0	0	0	0	0	0	-	0	0	0	-
SANTA CRUZ	0	0	0	0	0	0	-	0	0	0	-
SHASTA	0	0	0	0	0	0	-	0	0	0	-
SIERRA	0	0	0	0	0	0	-	0	0	0	-
SISKIYOU	0	0	0	0	0	0	-	0	0	0	-
SOLANO	0	0	0	0	0	0	-	0	0	0	-
SONOMA	0	0	0	0	0	1	0.2*	0	0	0	-
STANISLAUS	0	0	0	0	0	0	-	0	0	0	-
SUTTER	0	0	0	0	0	0	-	0	0	0	-
TEHAMA	0	0	0	0	0	0	-	0	0	0	-
TRINITY	0	0	0	0	0	0	-	0	0	0	-
TULARE	0	0	0	0	0	0	-	0	0	0	-
TUOLUMNE	0	0	0	0	0	0	-	0	0	0	-
VENTURA	0	0	0	0	0	0	-	0	0	0	-
YOLO	0	0	0	0	0	0	-	0	0	0	-
YUBA	0	0	0	0	0	0	-	0	0	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

## Paralytic Shellfish Poisoning

Paralytic Shellfish Poisoning, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	0	0	0	0	0	1	0	0	1	
JANUARY	0	0	0	0	0	0	0	0	0	
FEBRUARY	0	0	0	0	0	0	0	0	1	
MARCH	0	0	0	0	0	1	0	0	0	
APRIL	0	0	0	0	0	0	0	0	0	
MAY	0	0	0	0	0	0	0	0	0	
JUNE	0	0	0	0	0	0	0	0	0	
JULY	0	0	0	0	0	0	0	0	0	
AUGUST	0	0	0	0	0	0	0	0	0	
SEPTEMBER	0	0	0	0	0	0	0	0	0	
OCTOBER	0	0	0	0	0	0	0	0	0	
NOVEMBER	0	0	0	0	0	0	0	0	0	
DECEMBER	0	0	0	0	0	0	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

Paralytic Shellfish Poisoning, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-	1	0.0*
FEMALE	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-
MALE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Paralytic Shellfish Poisoning, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-	1	0.0*
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
10-14	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
15-24	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*
25-34	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
35-44	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
45-54	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-
55-64	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
65+	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Paralytic Shellfish Poisoning, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	0	0	0	0	0	1	0	0	1	
WHITE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
HISPANIC/LATINO	0	0	0	0	0	0	0	0	0	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
OTHER, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
UNKNOWN	0	0	0	0	0	1	0	0	1	

For inclusion/exclusion criteria, please refer to the Technical Notes.

# Paratyphoid Fever

## Paratyphoid Fever, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
<b>CALIFORNIA TOTAL</b>	30	0.1	23	0.1	10	0.0*	18	0.0*	10	0.0*	21	0.1	33	0.1	18	0.0*	8	0.0*
<b>ALAMEDA COUNTY TOTAL</b>	4	0.3*	3	0.2*	3	0.2*	5	0.3*	1	0.1*	1	0.1*	6	0.4*	5	0.3*	0	-
ALAMEDA	4	0.3*	3	0.2*	3	0.2*	5	0.3*	1	0.1*	1	0.1*	6	0.4*	5	0.3*	0	-
BERKELEY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	1	0.1*	0	-	2	0.2*	2	0.2*	2	0.2*	1	0.1*	2	0.2*	0	-	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
FRESNO	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
IMPERIAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
<b>LOS ANGELES COUNTY TOTAL</b>	3	0.0*	4	0.0*	0	-	4	0.0*	1	0.0*	5	0.0*	4	0.0*	3	0.0*	1	0.0*
LOS ANGELES	3	0.0*	3	0.0*	0	-	4	0.0*	1	0.0*	5	0.1*	4	0.0*	3	0.0*	1	0.0*
LONG BEACH	0	-	1	0.2*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*
NAPA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.7*	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	2	0.1*	1	0.0*	0	-	0	-	1	0.0*	1	0.0*	0	-	0	-	0	-
PLACER	0	-	1	0.3*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	1	0.0*
SACRAMENTO	3	0.2*	1	0.1*	0	-	3	0.2*	0	-	1	0.1*	2	0.1*	0	-	0	-
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN DIEGO	5	0.2*	4	0.1*	0	-	0	-	0	-	1	0.0*	2	0.1*	0	-	1	0.0*
SAN FRANCISCO	0	-	0	-	0	-	0	-	1	0.1*	3	0.3*	2	0.2*	1	0.1*	0	-
SAN JOAQUIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	1	0.1*	1	0.1*	0	-	1	0.1*	0	-	1	0.1*	2	0.3*	0	-	0	-
SANTA BARBARA	0	-	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-	0	-
SANTA CLARA	9	0.5*	7	0.4*	5	0.3*	2	0.1*	4	0.2*	7	0.4*	11	0.6*	5	0.3*	3	0.2*
SANTA CRUZ	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SHASTA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SONOMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
STANISLAUS	1	0.2*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.0*	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
YOLO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

## Paratyphoid Fever

### Paratyphoid Fever, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	30	23	10	18	10	21	33	18	8	
JANUARY	5	5	0	2	2	0	0	6	0	
FEBRUARY	4	1	2	1	0	6	3	6	0	
MARCH	4	3	2	1	2	1	2	3	1	
APRIL	1	2	0	0	0	0	3	0	1	
MAY	1	3	0	2	1	0	1	0	2	
JUNE	1	2	0	0	0	1	4	1	1	
JULY	2	2	1	1	0	0	5	0	0	
AUGUST	6	3	2	4	0	7	6	1	1	
SEPTEMBER	0	1	0	4	1	2	2	0	1	
OCTOBER	3	0	1	0	0	1	1	0	0	
NOVEMBER	2	0	0	0	2	1	2	0	0	
DECEMBER	1	1	2	3	2	2	4	1	1	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Paratyphoid Fever, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	30	0.1	23	0.1	10	0.0*	18	0.0*	10	0.0*	21	0.1	33	0.1	18	0.0*	8	0.0*
FEMALE	15	0.1*	11	0.1*	6	0.0*	10	0.1*	3	0.0*	9	0.0*	22	0.1	9	0.0*	4	0.0*
MALE	15	0.1*	12	0.1*	4	0.0*	8	0.0*	7	0.0*	12	0.1*	11	0.1*	9	0.0*	4	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Paratyphoid Fever, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	30	0.1	23	0.1	10	0.0*	18	0.0*	10	0.0*	21	0.1	33	0.1	18	0.0*	8	0.0*
0	1	0.2*	0	-	1	0.2*	0	-	0	-	0	-	0	-	0	-	0	-
1-4	1	0.0*	3	0.1*	0	-	0	-	0	-	1	0.1*	2	0.1*	0	-	2	0.1*
5-9	5	0.2*	2	0.1*	2	0.1*	3	0.1*	0	-	1	0.0*	2	0.1*	0	-	0	-
10-14	2	0.1*	4	0.2*	2	0.1*	1	0.0*	1	0.0*	1	0.0*	1	0.0*	0	-	2	0.1*
15-24	4	0.1*	2	0.0*	1	0.0*	2	0.0*	4	0.1*	3	0.1*	6	0.1*	4	0.1*	2	0.0*
25-34	9	0.2*	2	0.0*	0	-	4	0.1*	3	0.1*	7	0.1*	11	0.2*	6	0.1*	1	0.0*
35-44	4	0.1*	3	0.1*	2	0.0*	4	0.1*	1	0.0*	4	0.1*	3	0.1*	2	0.0*	0	-
45-54	3	0.1*	3	0.1*	0	-	4	0.1*	0	-	4	0.1*	3	0.1*	1	0.0*	0	-
55-64	1	0.0*	3	0.1*	2	0.0*	0	-	0	-	0	-	4	0.1*	3	0.1*	0	-
65+	0	-	1	0.0*	0	-	0	-	1	0.0*	0	-	1	0.0*	2	0.0*	1	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

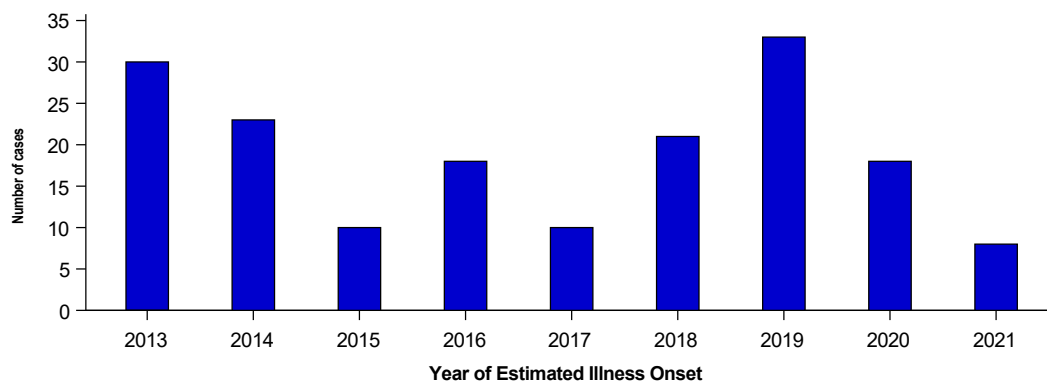
### Paratyphoid Fever, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	30	23	10	18	10	21	33	18	8	
WHITE, NON-HISPANIC	4	2	0	2	1	2	4	1	0	
HISPANIC/LATINO	1	0	0	1	2	1	1	0	1	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	21	17	8	12	6	15	18	12	5	
BLACK, NON-HISPANIC	0	1	0	0	0	0	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	1	0	0	0	
MULTIPLE RACE, NON-HISPANIC	1	1	0	0	0	0	1	0	2	
OTHER, NON-HISPANIC	1	1	1	1	1	0	2	7	2	
UNKNOWN	2	1	1	2	1	0	2	3	0	

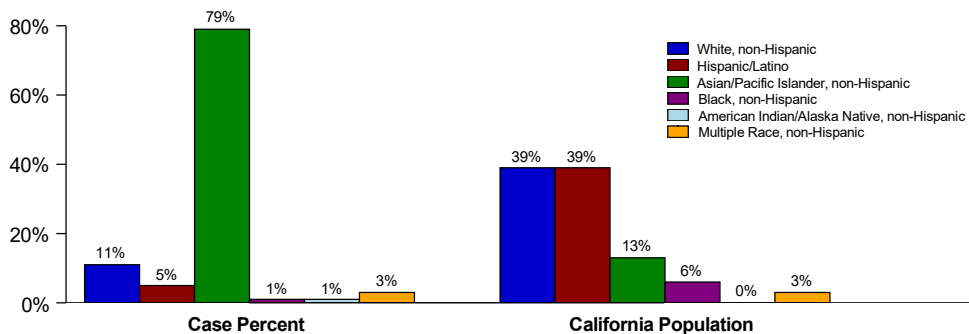
For inclusion/exclusion criteria, please refer to the Technical Notes.



### Paratyphoid Fever Cases by Year of Estimated Illness Onset, California, 2013-2021



### Paratyphoid Fever Cases and Population by Race/Ethnicity, California, 2013-2021



7% (n=12) of reported incidents of Paratyphoid Fever did not identify race/ethnicity and 8.8% (n=15) of incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

# Plague, human

## Plague, human, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	0	0	1	0.0*	0	0	0	0	1	0.0*
ALAMEDA COUNTY TOTAL	0	0	0	-	0	0	0	0	0	-
ALAMEDA	0	0	0	-	0	0	0	0	0	-
BERKELEY	0	0	0	-	0	0	0	0	0	-
ALPINE	0	0	0	-	0	0	0	0	0	-
AMADOR	0	0	0	-	0	0	0	0	0	-
BUTTE	0	0	0	-	0	0	0	0	0	-
CALAVERAS	0	0	0	-	0	0	0	0	0	-
COLUSA	0	0	0	-	0	0	0	0	0	-
CONTRA COSTA	0	0	0	-	0	0	0	0	0	-
DEL NORTE	0	0	0	-	0	0	0	0	0	-
EL DORADO	0	0	0	-	0	0	0	1	0.5*	
FRESNO	0	0	0	-	0	0	0	0	0	-
GLENN	0	0	0	-	0	0	0	0	0	-
HUMBOLDT	0	0	0	-	0	0	0	0	0	-
IMPERIAL	0	0	0	-	0	0	0	0	0	-
INYO	0	0	0	-	0	0	0	0	0	-
KERN	0	0	0	-	0	0	0	0	0	-
KINGS	0	0	0	-	0	0	0	0	0	-
LAKE	0	0	0	-	0	0	0	0	0	-
LASSEN	0	0	0	-	0	0	0	0	0	-
LOS ANGELES COUNTY TOTAL	0	0	1	0.0*	0	0	0	0	0	-
LOS ANGELES	0	0	1	0.0*	0	0	0	0	0	-
LONG BEACH	0	0	0	-	0	0	0	0	0	-
PASADENA	0	0	0	-	0	0	0	0	0	-
MADERA	0	0	0	-	0	0	0	0	0	-
MARIN	0	0	0	-	0	0	0	0	0	-
MARIPOSA	0	0	0	-	0	0	0	0	0	-
MENDOCINO	0	0	0	-	0	0	0	0	0	-
MERCED	0	0	0	-	0	0	0	0	0	-
MODOC	0	0	0	-	0	0	0	0	0	-
MONO	0	0	0	-	0	0	0	0	0	-
MONTEREY	0	0	0	-	0	0	0	0	0	-
NAPA	0	0	0	-	0	0	0	0	0	-
NEVADA	0	0	0	-	0	0	0	0	0	-
ORANGE	0	0	0	-	0	0	0	0	0	-
PLACER	0	0	0	-	0	0	0	0	0	-
PLUMAS	0	0	0	-	0	0	0	0	0	-
RIVERSIDE	0	0	0	-	0	0	0	0	0	-
SACRAMENTO	0	0	0	-	0	0	0	0	0	-
SAN BENITO	0	0	0	-	0	0	0	0	0	-
SAN BERNARDINO	0	0	0	-	0	0	0	0	0	-
SAN DIEGO	0	0	0	-	0	0	0	0	0	-
SAN FRANCISCO	0	0	0	-	0	0	0	0	0	-
SAN JOAQUIN	0	0	0	-	0	0	0	0	0	-
SAN LUIS OBISPO	0	0	0	-	0	0	0	0	0	-
SAN MATEO	0	0	0	-	0	0	0	0	0	-
SANTA BARBARA	0	0	0	-	0	0	0	0	0	-
SANTA CLARA	0	0	0	-	0	0	0	0	0	-
SANTA CRUZ	0	0	0	-	0	0	0	0	0	-
SHASTA	0	0	0	-	0	0	0	0	0	-
SIERRA	0	0	0	-	0	0	0	0	0	-
SISKIYOU	0	0	0	-	0	0	0	0	0	-
SOLANO	0	0	0	-	0	0	0	0	0	-
SONOMA	0	0	0	-	0	0	0	0	0	-
STANISLAUS	0	0	0	-	0	0	0	0	0	-
SUTTER	0	0	0	-	0	0	0	0	0	-
TEHAMA	0	0	0	-	0	0	0	0	0	-
TRINITY	0	0	0	-	0	0	0	0	0	-
TULARE	0	0	0	-	0	0	0	0	0	-
TUOLUMNE	0	0	0	-	0	0	0	0	0	-
VENTURA	0	0	0	-	0	0	0	0	0	-
YOLO	0	0	0	-	0	0	0	0	0	-
YUBA	0	0	0	-	0	0	0	0	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.

## Plague, human

### Plague, human, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	0	0	1	0	0	0	0	1	0	
JANUARY	0	0	0	0	0	0	0	0	0	
FEBRUARY	0	0	0	0	0	0	0	0	0	
MARCH	0	0	0	0	0	0	0	0	0	
APRIL	0	0	0	0	0	0	0	0	0	
MAY	0	0	0	0	0	0	0	0	0	
JUNE	0	0	0	0	0	0	0	0	0	
JULY	0	0	1	0	0	0	0	0	0	
AUGUST	0	0	0	0	0	0	0	1	0	
SEPTEMBER	0	0	0	0	0	0	0	0	0	
OCTOBER	0	0	0	0	0	0	0	0	0	
NOVEMBER	0	0	0	0	0	0	0	0	0	
DECEMBER	0	0	0	0	0	0	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Plague, human, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-	1	0.0*	0	-
FEMALE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-
MALE	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Plague, human, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-	1	0.0*	0	-
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
10-14	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-
15-24	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
25-34	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
35-44	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
45-54	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-
55-64	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
65+	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Plague, human, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	0	0	1	0	0	0	0	1	0	
WHITE, NON-HISPANIC	0	0	0	0	0	0	0	1	0	
HISPANIC/LATINO	0	0	1	0	0	0	0	0	0	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
OTHER, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
UNKNOWN	0	0	0	0	0	0	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

# Psittacosis

## Psittacosis, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	1	0.0*	0	0	4	0.0*	2	0.0*	1	0.0*
ALAMEDA COUNTY TOTAL	1	0.1*	0	0	0	0	0	0	0	0
ALAMEDA	1	0.1*	0	0	0	0	0	0	0	0
BERKELEY	0	0	0	0	0	0	0	0	0	0
ALPINE	0	0	0	0	0	0	0	0	0	0
AMADOR	0	0	0	0	0	0	0	0	0	0
BUTTE	0	0	0	0	0	0	0	0	0	0
CALAVERAS	0	0	0	0	0	0	0	0	0	0
COLUSA	0	0	0	0	0	0	0	0	0	0
CONTRA COSTA	0	0	0	0	0	0	0	0	0	0
DEL NORTE	0	0	0	0	0	0	0	0	0	0
EL DORADO	0	0	0	0	0	0	0	0	0	0
FRESNO	0	0	0	0	0	0	0	0	0	0
GLENN	0	0	0	0	0	0	0	0	0	0
HUMBOLDT	0	0	0	0	0	0	0	0	0	0
IMPERIAL	0	0	0	0	0	0	0	0	0	0
INYO	0	0	0	0	0	0	0	0	0	0
KERN	0	0	0	0	0	0	0	0	0	0
KINGS	0	0	0	0	0	0	0	0	0	0
LAKE	0	0	0	0	0	0	0	0	0	0
LASSEN	0	0	0	0	0	0	0	0	0	0
LOS ANGELES COUNTY TOTAL	0	0	0	0	0	0	0	0	0	0
LOS ANGELES	0	0	0	0	0	0	0	0	0	0
LONG BEACH	0	0	0	0	0	0	0	0	0	0
PASADENA	0	0	0	0	0	0	0	0	0	0
MADERA	0	0	0	0	0	0	0	0	0	0
MARIN	0	0	0	0	0	0	0	0	0	0
MARIPOSA	0	0	0	0	0	0	0	0	0	0
MENDOCINO	0	0	0	0	0	0	0	0	0	0
MERCED	0	0	0	0	0	0	0	0	0	0
MODOC	0	0	0	0	0	0	0	0	0	0
MONO	0	0	0	0	0	0	0	0	0	0
MONTEREY	0	0	0	0	0	0	0	0	0	0
NAPA	0	0	0	0	0	0	0	0	0	0
NEVADA	0	0	0	0	0	0	0	0	0	0
ORANGE	0	0	0	0	0	0	0	0	0	0
PLACER	0	0	0	0	0	0	0	0	0	0
PLUMAS	0	0	0	0	0	0	0	0	0	0
RIVERSIDE	0	0	0	0	0	0	0	0	0	0
SACRAMENTO	0	0	0	0	0	0	0	0	0	0
SAN BENITO	0	0	0	0	0	0	0	0	0	0
SAN BERNARDINO	0	0	0	0	0	0	0	0	0	0
SAN DIEGO	0	0	0	4	0.1*	2	0.1*	0	1	0.0*
SAN FRANCISCO	0	0	0	0	0	0	0	0	0	0
SAN JOAQUIN	0	0	0	0	0	0	0	0	0	0
SAN LUIS OBISPO	0	0	0	0	0	0	0	0	0	0
SAN MATEO	0	0	0	0	0	0	0	0	0	0
SANTA BARBARA	0	0	0	0	0	0	0	0	0	0
SANTA CLARA	0	0	0	0	0	0	0	0	0	0
SANTA CRUZ	0	0	0	0	0	0	0	0	0	0
SHASTA	0	0	0	0	0	0	0	0	0	0
SIERRA	0	0	0	0	0	0	0	0	0	0
SISKIYOU	0	0	0	0	0	0	0	0	0	0
SOLANO	0	0	0	0	0	0	0	0	0	0
SONOMA	0	0	0	0	0	0	0	0	0	0
STANISLAUS	0	0	0	0	0	0	0	0	0	0
SUTTER	0	0	0	0	0	0	0	0	0	0
TEHAMA	0	0	0	0	0	0	0	0	0	0
TRINITY	0	0	0	0	0	0	0	0	0	0
TULARE	0	0	0	0	0	0	0	0	0	0
TUOLUMNE	0	0	0	0	0	0	0	0	0	0
VENTURA	0	0	0	0	0	1	0.1*	0	0	0
YOLO	0	0	0	0	0	0	0	0	0	0
YUBA	0	0	0	0	0	0	0	0	0	0

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.

## Psittacosis

### Psittacosis, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	1	0	0	4	2	1	0	1	0	
JANUARY	0	0	0	0	0	0	0	0	0	
FEBRUARY	0	0	0	1	0	0	0	0	0	
MARCH	0	0	0	0	1	1	0	0	0	
APRIL	0	0	0	0	0	0	0	0	0	
MAY	0	0	0	0	0	0	0	1	0	
JUNE	0	0	0	1	0	0	0	0	0	
JULY	0	0	0	0	0	0	0	0	0	
AUGUST	1	0	0	1	0	0	0	0	0	
SEPTEMBER	0	0	0	0	1	0	0	0	0	
OCTOBER	0	0	0	1	0	0	0	0	0	
NOVEMBER	0	0	0	0	0	0	0	0	0	
DECEMBER	0	0	0	0	0	0	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Psittacosis, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	1	0.0*	0	-	0	-	4	0.0*	2	0.0*	1	0.0*	0	-	1	0.0*	0	-
FEMALE	0	-	0	-	0	-	3	0.0*	1	0.0*	1	0.0*	0	-	1	0.0*	0	-
MALE	1	0.0*	0	-	0	-	1	0.0*	1	0.0*	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Psittacosis, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	1	0.0*	0	-	0	-	4	0.0*	2	0.0*	1	0.0*	0	-	1	0.0*	0	-
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
10-14	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
15-24	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-
25-34	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
35-44	0	-	0	-	0	-	1	0.0*	1	0.0*	1	0.0*	0	-	0	-	0	-
45-54	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
55-64	1	0.0*	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-
65+	0	-	0	-	0	-	1	0.0*	1	0.0*	0	-	0	-	1	0.0*	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

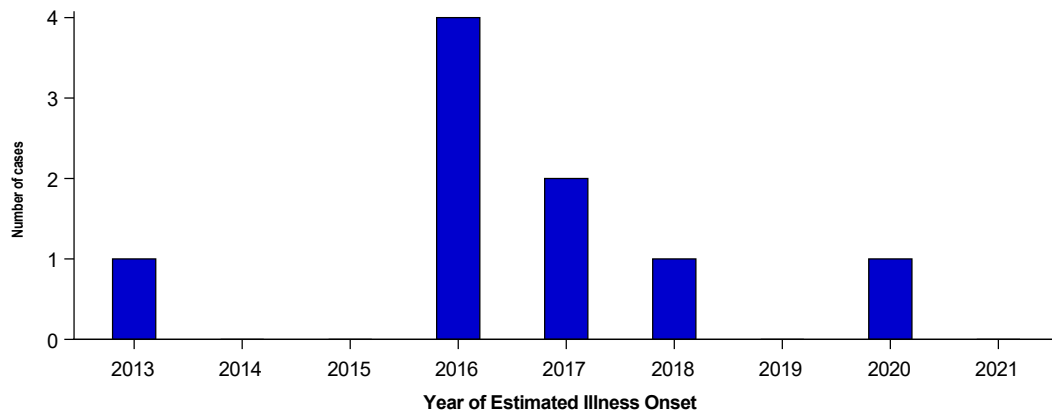
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Psittacosis, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	1	0	0	4	2	1	0	1	0	
WHITE, NON-HISPANIC	1	0	0	1	1	0	0	0	0	
HISPANIC/LATINO	0	0	0	1	0	0	0	1	0	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	0	0	0	1	0	0	0	0	0	
BLACK, NON-HISPANIC	0	0	0	0	0	1	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
OTHER, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
UNKNOWN	0	0	0	1	1	0	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Psittacosis Cases by Year of Estimated Illness Onset, California, 2013-2021



# Q Fever

## Q Fever, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
<b>CALIFORNIA TOTAL</b>	19	0.0	37	0.1	43	0.1	33	0.1	40	0.1	60	0.2	52	0.1	29	0.1	55	0.1
<b>ALAMEDA COUNTY TOTAL</b>	1	0.1*	1	0.1*	0	-	0	-	1	0.1*	0	-	2	0.1*	0	-	1	0.1*
ALAMEDA	1	0.1*	1	0.1*	0	-	0	-	1	0.1*	0	-	2	0.1*	0	-	1	0.1*
BERKELEY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	1	0.1*	0	-	0	-	1	0.1*	1	0.1*	1	0.1*	2	0.2*	0	-	1	0.1*
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	2	1.1*	0	-	0	-	0	-	0	-	0	-	0	-
FRESNO	0	-	4	0.4*	3	0.3*	2	0.2*	4	0.4*	0	-	1	0.1*	3	0.3*	7	0.7*
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	1	3.4*	0	-	0	-
HUMBOLDT	0	-	1	0.7*	0	-	1	0.7*	0	-	0	-	0	-	0	-	0	-
IMPERIAL	0	-	1	0.5*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	1	5.4*	0	-	0	-
KERN	1	0.1*	1	0.1*	2	0.2*	2	0.2*	0	-	2	0.2*	0	-	0	-	1	0.1*
KINGS	0	-	0	-	1	0.7*	1	0.7*	1	0.7*	1	0.7*	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
<b>LOS ANGELES COUNTY TOTAL</b>	1	0.0*	1	0.0*	5	0.0*	3	0.0*	3	0.0*	6	0.1*	6	0.1*	1	0.0*	3	0.0*
LOS ANGELES	1	0.0*	1	0.0*	4	0.0*	3	0.0*	3	0.0*	6	0.1*	6	0.1*	0	-	3	0.0*
LONG BEACH	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.7*	0	-
MADERA	0	-	2	1.3*	1	0.6*	0	-	1	0.6*	2	1.3*	0	-	1	0.6*	0	-
MARIN	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*	0	-	1	0.4*
MARIPOSA	0	-	0	-	0	-	1	5.5*	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.1*	0	-
MERCED	2	0.8*	0	-	0	-	0	-	0	-	2	0.7*	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	1	0.2*	1	0.2*	0	-	0	-	0	-	2	0.5*	1	0.2*	0	-	0	-
NAPA	0	-	0	-	1	0.7*	1	0.7*	0	-	0	-	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	1	1.0*	0	-	0	-
ORANGE	1	0.0*	3	0.1*	1	0.0*	1	0.0*	0	-	2	0.1*	2	0.1*	0	-	0	-
PLACER	0	-	1	0.3*	0	-	0	-	1	0.3*	1	0.3*	1	0.3*	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	1	0.0*	2	0.1*	10	0.4*	3	0.1*	11	0.5*	21	0.9	11	0.5*	7	0.3*	16	0.6*
SACRAMENTO	0	-	0	-	4	0.3*	2	0.1*	2	0.1*	1	0.1*	3	0.2*	1	0.1*	3	0.2*
SAN BENITO	0	-	0	-	0	-	0	-	1	1.7*	0	-	0	-	0	-	0	-
SAN BERNARDINO	0	-	2	0.1*	0	-	2	0.1*	3	0.1*	2	0.1*	7	0.3*	6	0.3*	4	0.2*
SAN DIEGO	2	0.1*	1	0.0*	0	-	1	0.0*	2	0.1*	1	0.0*	2	0.1*	0	-	0	-
SAN FRANCISCO	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	1	0.1*
SAN JOAQUIN	0	-	4	0.6*	2	0.3*	0	-	1	0.1*	3	0.4*	1	0.1*	0	-	4	0.5*
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	0	-	0	-	0	-	1	0.1*	1	0.1*	0	-	0	-	1	0.1*	0	-
SANTA BARBARA	0	-	1	0.2*	0	-	0	-	1	0.2*	2	0.4*	0	-	1	0.2*	1	0.2*
SANTA CLARA	0	-	0	-	0	-	3	0.2*	2	0.1*	4	0.2*	2	0.1*	2	0.1*	2	0.1*
SANTA CRUZ	0	-	0	-	1	0.4*	0	-	0	-	0	-	0	-	1	0.4*	0	-
SHASTA	0	-	0	-	0	-	1	0.6*	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	1	2.3*	0	-	0	-	0	-
SOLANO	1	0.2*	2	0.5*	1	0.2*	0	-	1	0.2*	3	0.7*	3	0.7*	0	-	1	0.2*
SONOMA	1	0.2*	0	-	3	0.6*	1	0.2*	0	-	1	0.2*	1	0.2*	2	0.4*	1	0.2*
STANISLAUS	3	0.6*	5	0.9*	4	0.7*	3	0.6*	1	0.2*	1	0.2*	1	0.2*	0	-	4	0.7*
SUTTER	0	-	1	1.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	0	-	1	0.2*	0	-	0	-	1	0.2*	1	0.2*	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.9*	0	-
VENTURA	0	-	1	0.1*	2	0.2*	1	0.1*	2	0.2*	1	0.1*	0	-	0	-	1	0.1*
YOLO	2	1.0*	2	1.0*	0	-	1	0.5*	0	-	0	-	0	-	0	-	3	1.3*
YUBA	1	1.4*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.

## Q Fever

### Q Fever, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	19	37	43	33	40	60	52	29	55	
JANUARY	1	4	5	2	2	4	4	1	4	
FEBRUARY	1	3	1	2	5	3	4	7	3	
MARCH	0	2	2	1	3	10	3	1	6	
APRIL	2	6	6	5	7	11	6	1	11	
MAY	2	9	8	9	4	5	8	4	8	
JUNE	2	4	7	6	3	5	6	0	2	
JULY	2	1	2	3	5	6	5	2	5	
AUGUST	6	3	4	0	3	7	3	7	2	
SEPTEMBER	2	1	1	1	3	4	4	2	1	
OCTOBER	1	1	5	2	0	2	2	0	3	
NOVEMBER	0	1	0	0	3	3	4	3	8	
DECEMBER	0	2	2	2	2	0	3	1	2	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Q Fever, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	19	0.0	37	0.1	43	0.1	33	0.1	40	0.1	60	0.2	52	0.1	29	0.1	55	0.1
FEMALE	3	0.0*	11	0.1*	5	0.0*	5	0.0*	11	0.1*	10	0.1*	10	0.1*	6	0.0*	13	0.1*
MALE	16	0.1*	26	0.1	38	0.2	28	0.1	29	0.1	50	0.3	42	0.2	23	0.1	42	0.2

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Q Fever, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	19	0.0	37	0.1	43	0.1	33	0.1	40	0.1	60	0.2	52	0.1	29	0.1	55	0.1
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
10-14	0	-	1	0.0*	0	-	0	-	0	-	1	0.0*	2	0.1*	0	-	0	-
15-24	0	-	1	0.0*	2	0.0*	1	0.0*	1	0.0*	0	-	1	0.0*	2	0.0*	0	-
25-34	1	0.0*	2	0.0*	4	0.1*	0	-	2	0.0*	4	0.1*	5	0.1*	1	0.0*	3	0.1*
35-44	6	0.1*	2	0.0*	4	0.1*	6	0.1*	6	0.1*	11	0.2*	4	0.1*	4	0.1*	12	0.2*
45-54	3	0.1*	12	0.2*	9	0.2*	11	0.2*	10	0.2*	12	0.2*	10	0.2*	10	0.2*	9	0.2*
55-64	5	0.1*	15	0.3*	14	0.3*	5	0.1*	10	0.2*	18	0.4*	16	0.3*	3	0.1*	16	0.3*
65+	4	0.1*	4	0.1*	10	0.2*	10	0.2*	11	0.2*	14	0.2*	14	0.2*	9	0.1*	15	0.2*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

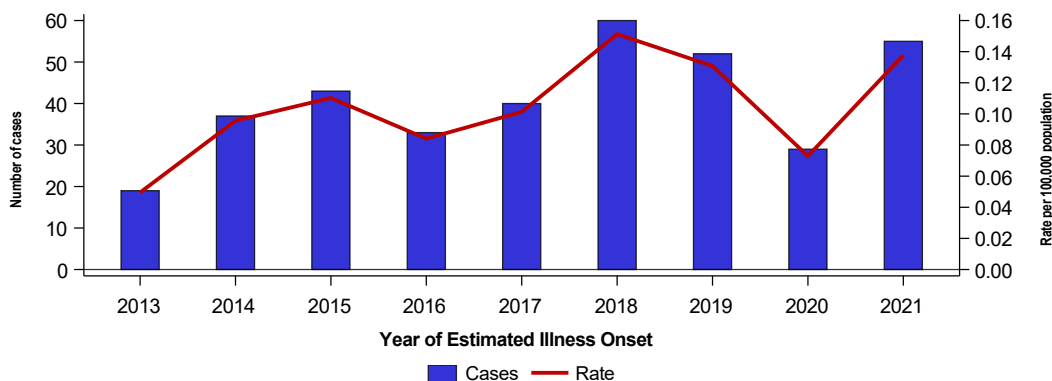
### Q Fever, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	19	37	43	33	40	60	52	29	55	
WHITE, NON-HISPANIC	5	14	16	11	12	12	19	14	20	
HISPANIC/LATINO	6	10	13	7	16	29	19	5	21	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	5	5	2	1	2	3	1	2	2	
BLACK, NON-HISPANIC	1	1	0	2	1	1	2	1	7	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	1	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	1	1	1	0	1	
OTHER, NON-HISPANIC	0	1	0	2	2	5	2	1	0	
UNKNOWN	2	5	12	10	6	9	8	6	4	

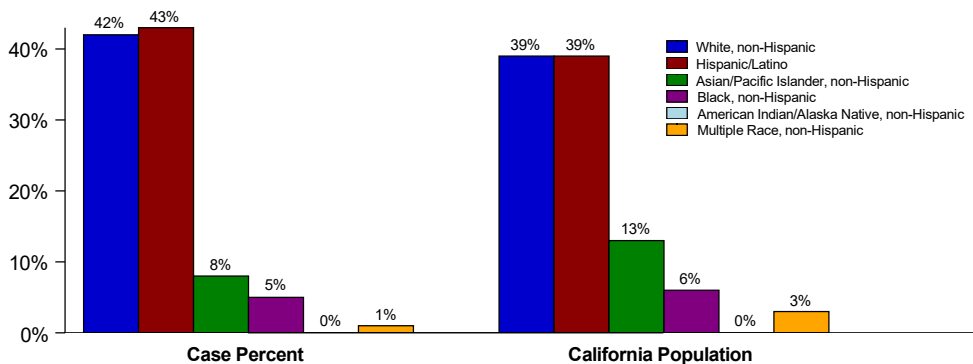
For inclusion/exclusion criteria, please refer to the Technical Notes.



### Q Fever Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021



### Q Fever Cases and Population by Race/Ethnicity, California, 2013-2021



16.8% (n=62) of reported incidents of Q Fever did not identify race/ethnicity and 3.5% (n=13) of incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

## Rabies, animal

### Rabies, animal, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
<b>CALIFORNIA TOTAL</b>	199	N/A	200	N/A	230	N/A	226	N/A	231	N/A	226	N/A	276	N/A	248	N/A	220	N/A
<b>ALAMEDA COUNTY TOTAL</b>	5	N/A	2	N/A	13	N/A	2	N/A	2	N/A	2	N/A	7	N/A	4	N/A	4	N/A
ALAMEDA	5	N/A	2	N/A	13	N/A	2	N/A	2	N/A	2	N/A	7	N/A	3	N/A	4	N/A
BERKELEY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	N/A	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	4	N/A	3	N/A	11	N/A	11	N/A	7	N/A	4	N/A	4	N/A	5	N/A
BUTTE	5	N/A	6	N/A	12	N/A	6	N/A	4	N/A	8	N/A	5	N/A	6	N/A	4	N/A
CALAVERAS	0	-	0	-	5	N/A	4	N/A	3	N/A	2	N/A	1	N/A	4	N/A	2	N/A
COLUSA	1	N/A	2	N/A	2	N/A	1	N/A	0	-	0	-	0	-	1	N/A	0	-
CONTRA COSTA	6	N/A	5	N/A	7	N/A	7	N/A	8	N/A	5	N/A	8	N/A	3	N/A	1	N/A
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	4	N/A	16	N/A	12	N/A	14	N/A	12	N/A	7	N/A	5	N/A	11	N/A	12	N/A
FRESNO	3	N/A	2	N/A	1	N/A	4	N/A	0	-	2	N/A	5	N/A	4	N/A	1	N/A
GLENN	2	N/A	2	N/A	2	N/A	2	N/A	4	N/A	2	N/A	2	N/A	1	N/A	2	N/A
HUMBOLDT	0	-	0	-	1	N/A	8	N/A	1	N/A	2	N/A	4	N/A	0	-	0	-
IMPERIAL	1	N/A	0	-	1	N/A	1	N/A	0	-	0	-	0	-	1	N/A	0	-
INYO	0	-	0	-	0	-	1	N/A	0	-	0	-	3	N/A	0	-	0	-
KERN	6	N/A	3	N/A	0	-	1	N/A	5	N/A	1	N/A	0	-	1	N/A	1	N/A
KINGS	0	-	0	-	0	-	0	-	1	N/A	3	N/A	1	N/A	0	-	1	N/A
LAKE	0	-	0	-	0	-	0	-	2	N/A	1	N/A	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	1	N/A	0	-	0	-	1	N/A	0	-
<b>LOS ANGELES COUNTY TOTAL</b>	35	N/A	42	N/A	34	N/A	38	N/A	33	N/A	27	N/A	51	N/A	51	N/A	68	N/A
LOS ANGELES	35	N/A	42	N/A	34	N/A	38	N/A	33	N/A	27	N/A	50	N/A	51	N/A	68	N/A
LONG BEACH	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	1	N/A	0	-	0	-
MADERA	1	N/A	0	-	0	-	0	-	0	-	4	N/A	1	N/A	1	N/A	0	-
MARIN	7	N/A	13	N/A	3	N/A	15	N/A	16	N/A	13	N/A	16	N/A	10	N/A	6	N/A
MARIPOSA	2	N/A	5	N/A	0	-	5	N/A	1	N/A	0	-	2	N/A	0	-	1	N/A
MENDOCINO	0	-	0	-	2	N/A	2	N/A	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	2	N/A	0	-	0	-	0	-	0	-	1	N/A	1	N/A
MODOC	0	-	0	-	0	-	0	-	0	-	1	N/A	0	-	0	-	0	-
MONO	0	-	0	-	0	-	1	N/A	1	N/A	0	-	0	-	0	-	1	N/A
MONTEREY	1	N/A	2	N/A	4	N/A	4	N/A	0	-	2	N/A	0	-	1	N/A	0	-
NAPA	0	-	0	-	1	N/A	1	N/A	2	N/A	0	-	0	-	0	-	2	N/A
NEVADA	2	N/A	0	-	0	-	0	-	0	-	1	N/A	0	-	0	-	2	N/A
ORANGE	13	N/A	7	N/A	11	N/A	12	N/A	13	N/A	11	N/A	15	N/A	19	N/A	17	N/A
PLACER	5	N/A	3	N/A	7	N/A	2	N/A	5	N/A	1	N/A	2	N/A	5	N/A	5	N/A
PLUMAS	0	-	0	-	0	-	1	N/A	0	-	0	-	0	-	0	-	3	N/A
RIVERSIDE	13	N/A	6	N/A	16	N/A	7	N/A	14	N/A	7	N/A	13	N/A	16	N/A	6	N/A
SACRAMENTO	6	N/A	4	N/A	12	N/A	7	N/A	11	N/A	21	N/A	14	N/A	7	N/A	12	N/A
SAN BENITO	0	-	2	N/A	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	15	N/A	11	N/A	8	N/A	9	N/A	11	N/A	4	N/A	7	N/A	22	N/A	12	N/A
SAN DIEGO	10	N/A	7	N/A	6	N/A	7	N/A	16	N/A	7	N/A	7	N/A	8	N/A	4	N/A
SAN FRANCISCO	2	N/A	6	N/A	3	N/A	2	N/A	4	N/A	2	N/A	3	N/A	1	N/A	1	N/A
SAN JOAQUIN	0	-	1	N/A	3	N/A	1	N/A	3	N/A	5	N/A	6	N/A	5	N/A	5	N/A
SAN LUIS OBISPO	0	-	0	-	1	N/A	2	N/A	3	N/A	2	N/A	1	N/A	1	N/A	2	N/A
SAN MATEO	3	N/A	2	N/A	3	N/A	0	-	3	N/A	5	N/A	3	N/A	4	N/A	4	N/A
SANTA BARBARA	0	-	0	-	1	N/A	1	N/A	0	-	1	N/A	6	N/A	5	N/A	3	N/A
SANTA CLARA	7	N/A	8	N/A	10	N/A	3	N/A	5	N/A	10	N/A	9	N/A	6	N/A	5	N/A
SANTA CRUZ	0	-	1	N/A	1	N/A	0	-	0	-	0	-	0	-	1	N/A	1	N/A
SHASTA	1	N/A	0	-	1	N/A	0	-	0	-	1	N/A	1	N/A	1	N/A	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	N/A
SISKIYOU	0	-	0	-	0	-	1	N/A	0	-	0	-	1	N/A	1	N/A	0	-
SOLANO	1	N/A	2	N/A	4	N/A	4	N/A	1	N/A	4	N/A	4	N/A	1	N/A	0	-
SONOMA	7	N/A	8	N/A	5	N/A	5	N/A	3	N/A	5	N/A	5	N/A	5	N/A	4	N/A
STANISLAUS	2	N/A	1	N/A	3	N/A	0	-	0	-	0	-	2	N/A	2	N/A	1	N/A
SUTTER	0	-	1	N/A	3	N/A	3	N/A	6	N/A	12	N/A	0	-	1	N/A	0	-
TEHAMA	0	-	0	-	1	N/A	1	N/A	0	-	0	-	2	N/A	0	-	0	-
TRINITY	1	N/A	1	N/A	0	-	1	N/A	1	N/A	1	N/A	0	-	1	N/A	0	-
TULARE	3	N/A	0	-	6	N/A	6	N/A	1	N/A	3	N/A	8	N/A	4	N/A	3	N/A
TUOLUMNE	1	N/A	0	-	0	-	0	-	1	N/A	10	N/A	21	N/A	2	N/A	1	N/A
VENTURA	6	N/A	4	N/A	7	N/A	6	N/A	7	N/A	11	N/A	9	N/A	1	N/A	3	N/A
YOLO	17	N/A	14	N/A	7	N/A	13	N/A	13	N/A	11	N/A	15	N/A	21	N/A	10	N/A
YUBA	5	N/A	7	N/A	6	N/A	4	N/A	3	N/A	2	N/A	7	N/A	3	N/A	3	N/A

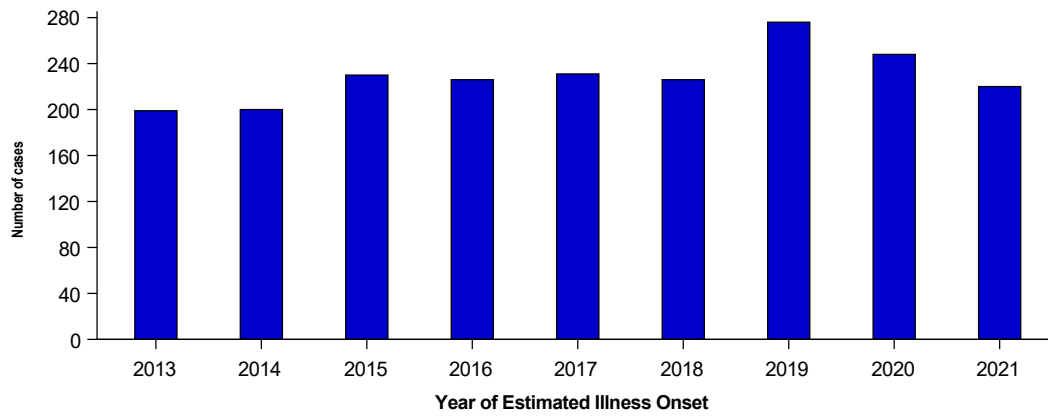
For inclusion/exclusion criteria, please refer to the Technical Notes.

**Rabies, animal****Rabies, animal, Cases by Month of Estimated Illness Onset, California, 2013-2021**

MONTH	YEAR OF ESTIMATED ILLNESS ONSET								
	2013	2014	2015	2016	2017	2018	2019	2020	2021
<b>TOTAL</b>	199	200	230	226	231	226	276	248	220
<b>JANUARY</b>	3	5	5	4	2	5	9	6	8
<b>FEBRUARY</b>	4	7	12	11	8	13	7	12	6
<b>MARCH</b>	12	16	33	10	22	5	18	16	11
<b>APRIL</b>	18	14	22	21	16	13	23	20	14
<b>MAY</b>	26	15	20	11	22	18	30	21	20
<b>JUNE</b>	10	24	19	18	24	26	25	19	22
<b>JULY</b>	36	14	23	23	32	22	24	37	23
<b>AUGUST</b>	38	34	26	37	36	30	38	40	42
<b>SEPTEMBER</b>	18	24	24	35	24	27	38	39	36
<b>OCTOBER</b>	18	25	30	25	28	44	40	24	14
<b>NOVEMBER</b>	13	20	10	20	11	19	13	10	17
<b>DECEMBER</b>	3	2	6	11	6	4	11	4	7

For inclusion/exclusion criteria, please refer to the Technical Notes.

**Rabies, animal Cases by Year of Estimated Illness Onset, California, 2013-2021**



## **Rabies, human**

No cases of Rabies, human were reported to CDPH with illness onset during 2013-2021

## Relapsing Fever

### Relapsing Fever, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	4	0.0*	10	0.0*	8	0.0*	12	0.0*	4	0.0*	11	0.0*	7	0.0*	3	0.0*	8	0.0*
ALAMEDA COUNTY TOTAL	0	-	0	-	1	0.1*	0	-	0	-	1	0.1*	1	0.1*	0	-	0	-
ALAMEDA	0	-	0	-	1	0.1*	0	-	0	-	1	0.1*	0	-	0	-	0	-
BERKELEY	0	-	0	-	0	-	0	-	0	-	0	-	1	0.8*	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	1	0.5*	0	-	0	-	0	-	0	-	0	-
FRESNO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	1	0.1*
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
IMPERIAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
INYO	1	5.4*	0	-	0	-	2	10.7*	1	5.4*	0	-	0	-	0	-	0	-
KERN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KINGS	0	-	1	0.7*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	2	0.0*
LOS ANGELES	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*
LONG BEACH	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIN	0	-	0	-	0	-	0	-	0	-	1	0.4*	1	0.4*	0	-	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	1	7.2*	3	21.6*	1	7.3*	1	7.3*	0	-	2	14.8*	3	22.1*	0	-	1	7.2*
MONTEREY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NAPA	0	-	0	-	0	-	1	0.7*	0	-	0	-	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	0	-	3	0.1*	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-
PLACER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SACRAMENTO	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN DIEGO	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-	2	0.1*
SAN FRANCISCO	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-
SAN JOAQUIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	0	-	1	0.1*	0	-	0	-	1	0.1*	0	-	0	-	0	-	1	0.1*
SANTA BARBARA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CLARA	0	-	0	-	2	0.1*	2	0.1*	1	0.1*	0	-	1	0.1*	0	-	0	-
SANTA CRUZ	0	-	0	-	0	-	1	0.4*	0	-	2	0.7*	0	-	0	-	0	-
SHASTA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SONOMA	2	0.4*	0	-	0	-	0	-	1	0.2*	0	-	0	-	2	0.4*	0	-
STANISLAUS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	4	0.9*	4	0.9*	0	-	1	0.2*	0	-	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	0	-	0	-	0	-	0	-	0	-	2	0.2*	0	-	0	-	1	0.1*
YOLO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

## Relapsing Fever

Relapsing Fever, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	4	10	8	12	4	11	7	3	8	
JANUARY	0	2	0	0	0	1	2	0	0	
FEBRUARY	0	0	0	0	1	0	0	0	0	
MARCH	1	0	0	0	0	1	0	0	0	
APRIL	0	0	0	0	0	0	2	0	0	
MAY	0	0	0	0	0	0	0	0	1	
JUNE	1	1	0	0	0	1	0	0	0	
JULY	1	4	4	5	2	5	3	1	5	
AUGUST	1	3	3	7	1	0	0	2	2	
SEPTEMBER	0	0	1	0	0	2	0	0	0	
OCTOBER	0	0	0	0	0	1	0	0	0	
NOVEMBER	0	0	0	0	0	0	0	0	0	
DECEMBER	0	0	0	0	0	0	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

Relapsing Fever, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	4	0.0*	10	0.0*	8	0.0*	12	0.0*	4	0.0*	11	0.0*	7	0.0*	3	0.0*	8	0.0*
FEMALE	1	0.0*	5	0.0*	5	0.0*	6	0.0*	2	0.0*	4	0.0*	4	0.0*	3	0.0*	3	0.0*
MALE	3	0.0*	5	0.0*	3	0.0*	6	0.0*	2	0.0*	7	0.0*	3	0.0*	0	-	5	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Relapsing Fever, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	4	0.0*	10	0.0*	8	0.0*	12	0.0*	4	0.0*	11	0.0*	7	0.0*	3	0.0*	8	0.0*
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	1	0.0*	1	0.0*	0	-	0	-	0	-	1	0.1*	0	-	0	-	1	0.1*
5-9	0	-	2	0.1*	0	-	0	-	0	-	1	0.0*	1	0.0*	1	0.0*	0	-
10-14	0	-	1	0.0*	0	-	1	0.0*	0	-	1	0.0*	1	0.0*	0	-	0	-
15-24	0	-	0	-	4	0.1*	1	0.0*	0	-	0	-	0	-	1	0.0*	1	0.0*
25-34	1	0.0*	1	0.0*	2	0.0*	4	0.1*	0	-	3	0.1*	2	0.0*	0	-	0	-
35-44	0	-	2	0.0*	0	-	1	0.0*	0	-	1	0.0*	2	0.0*	0	-	1	0.0*
45-54	1	0.0*	2	0.0*	1	0.0*	2	0.0*	0	-	2	0.0*	1	0.0*	0	-	1	0.0*
55-64	1	0.0*	1	0.0*	1	0.0*	2	0.0*	3	0.1*	2	0.0*	0	-	0	-	2	0.0*
65+	0	-	0	-	0	-	1	0.0*	1	0.0*	0	-	0	-	1	0.0*	2	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

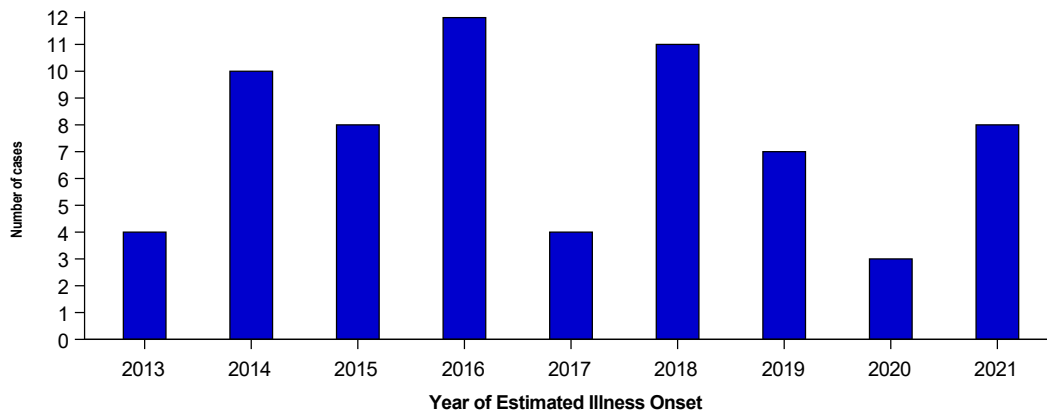
\*Potentially unreliable rate: relative standard error 23 percent or more.

Relapsing Fever, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	4	10	8	12	4	11	7	3	8	
WHITE, NON-HISPANIC	3	6	4	10	3	8	4	3	5	
HISPANIC/LATINO	0	1	0	0	0	0	1	0	0	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	0	0	2	0	0	0	0	0	0	
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	1	0	0	0	0	0	0	
OTHER, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
UNKNOWN	1	3	1	2	1	3	2	0	3	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Relapsing Fever Cases by Year of Estimated Illness Onset, California, 2013-2021





# Salmonellosis

## Salmonellosis, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
<b>CALIFORNIA TOTAL</b>	5,014	13.1	5,352	13.8	5,600	14.4	4,769	12.1	5,423	13.7	6,304	15.9	5,773	14.5	4,010	10.1	4,625	11.6
<b>ALAMEDA COUNTY TOTAL</b>	240	15.2	272	17.0	305	18.8	182	11.1	265	16.1	294	17.7	283	17.0	148	8.9	169	10.1
ALAMEDA	223	15.3	253	17.2	283	18.9	167	11.1	242	15.9	276	18.0	268	17.4	140	9.0	163	10.6
BERKELEY	17	14.6*	19	16.1	22	18.4	15	12.5*	23	19.0	18	14.8*	15	12.3*	8	6.3*	6	4.9*
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	88.3*
AMADOR	2	5.5*	7	19.3*	6	16.6*	4	10.9*	3	8.1*	6	15.9*	5	13.3*	4	10.6*	6	15.8*
BUTTE	27	12.2	48	21.5	39	17.4	50	22.3	40	17.7	36	15.9	30	14.0	31	15.0	37	16.3
CALAVERAS	6	13.3*	11	24.4*	2	4.5*	1	2.2*	7	15.7*	5	11.2*	9	20.3*	10	22.6*	2	4.5*
COLUSA	4	18.6*	1	4.6*	3	13.9*	4	18.3*	2	9.1*	1	4.6*	3	13.6*	2	9.1*	1	4.4*
CONTRA COSTA	137	12.5	159	14.4	175	15.6	114	10.1	175	15.4	189	16.5	190	16.6	140	12.2	141	12.2
DEL NORTE	0	-	1	3.7*	0	-	4	14.9*	2	7.5*	1	3.7*	0	-	1	3.7*	1	3.7*
EL DORADO	33	18.1	25	13.7	32	17.5	28	15.3	41	22.1	38	20.2	39	20.7	26	13.5	21	11.1
FRESNO	196	20.4	157	16.2	183	18.7	133	13.5	133	13.3	160	15.9	160	15.7	91	8.9	111	10.9
GLENN	6	21.3*	4	14.1*	0	-	4	14.1*	1	3.5*	0	-	2	6.9*	1	3.4*	8	27.4*
HUMBOLDT	12	8.9*	12	8.9*	14	10.4*	12	8.9*	9	6.7*	13	9.6*	12	9.0*	7	5.3*	5	3.7*
IMPERIAL	42	23.3	27	14.8	54	29.3	43	23.2	43	23.0	69	36.7	80	42.3	38	20.2	49	25.6
INYO	3	16.1*	3	16.1*	4	21.5*	1	5.4*	6	32.3*	1	5.4*	1	5.4*	3	16.3*	2	11.0*
KERN	68	7.8	88	10.1	125	14.2	81	9.2	64	7.2	120	13.3	118	13.0	70	7.7	70	7.6
KINGS	14	9.3*	15	10.1*	15	10.0*	10	6.7*	48	31.9	22	14.4	14	9.1*	16	10.3*	12	7.7*
LAKE	14	21.6*	9	13.8*	9	13.9*	4	6.2*	6	9.3*	10	15.5*	6	9.4*	5	7.8*	8	12.5*
LASSEN	0	-	3	9.6*	0	-	1	3.4*	5	16.8*	1	3.4*	2	6.9*	2	6.9*	1	3.3*
<b>LOS ANGELES COUNTY TOTAL</b>	1,078	10.7	1,228	12.1	1,205	11.9	1,092	10.7	1,154	11.3	1,522	14.9	1,325	13.0	840	8.3	1,111	10.9
LOS ANGELES	1,009	10.7	1,144	12.1	1,136	11.9	1,023	10.7	1,092	11.4	1,424	14.9	1,255	13.1	784	8.2	1,061	11.2
LONG BEACH	50	10.6	61	12.9	46	9.7	50	10.5	46	9.7	71	15.0	51	10.8	48	10.3	38	8.3
PASADENA	19	13.5	23	16.3	23	16.3	19	13.4	16	11.1*	27	18.7	19	13.1	8	5.7*	12	8.6*
MADERA	23	15.1	23	15.0	22	14.3	21	13.6	38	24.3	17	10.8*	27	17.1	24	15.1	12	7.4*
MARIN	37	14.3	62	23.7	61	23.3	53	20.2	38	14.5	45	17.2	54	20.7	19	7.3	31	12.0
MARIPOSA	0	-	2	11.0*	6	33.2*	4	22.1*	1	5.6*	6	33.5*	0	-	1	5.6*	0	-
MENDOCINO	13	14.8*	6	6.8*	12	13.6*	9	10.2*	8	9.0*	14	15.8*	15	17.0*	8	9.1*	13	14.7*
MERCED	33	12.5	22	8.2	40	14.9	21	7.8	24	8.7	32	11.5	37	13.1	32	11.2	26	9.1
MODOC	2	20.8*	1	10.4*	0	-	0	-	0	-	1	10.5*	0	-	0	-	0	-
MONO	2	14.4*	0	-	2	14.6*	0	-	1	7.3*	0	-	2	14.7*	4	29.7*	4	28.9*
MONTEREY	48	11.2	57	13.3	64	14.7	29	6.6	39	8.9	44	10.0	48	10.8	42	9.5	31	7.0
NAPA	23	16.5	28	19.9	28	19.8	23	16.2	23	16.3	20	14.2	23	16.4	19	13.7	15	10.8*
NEVADA	11	11.3*	11	11.2*	10	10.2*	12	12.3*	12	12.3*	15	15.3*	9	9.2*	10	10.3*	18	18.4*
ORANGE	393	12.6	414	13.2	492	15.6	351	11.1	371	11.6	433	13.6	434	13.6	307	9.6	332	10.3
PLACER	58	15.9	51	13.8	70	18.8	66	17.5	100	26.1	90	23.1	79	20.0	65	16.4	58	14.6
PLUMAS	0	-	5	27.0*	3	16.5*	2	10.9*	1	5.4*	1	5.5*	1	5.4*	0	-	0	-
RIVERSIDE	220	9.7	228	9.9	210	9.0	231	9.8	254	10.7	290	12.0	260	10.7	183	7.5	270	10.9
SACRAMENTO	147	10.1	162	11.0	196	13.2	139	9.2	289	19.0	225	14.7	201	13.0	165	10.6	143	9.2
SAN BENITO	12	21.0*	9	15.5*	8	13.7*	6	10.1*	2	3.3*	10	16.5*	15	24.2*	10	15.9*	17	27.5*
SAN BERNARDINO	234	11.2	233	11.1	263	12.4	234	11.0	231	10.8	309	14.3	254	11.7	229	10.5	284	12.9
SAN DIEGO	466	14.5	534	16.4	576	17.6	541	16.4	569	17.2	783	23.5	657	19.6	495	14.8	590	17.6
SAN FRANCISCO	180	21.2	174	20.3	157	18.1	108	12.3	163	18.4	131	14.7	183	20.4	107	11.9	72	8.1
SAN JOAQUIN	107	15.2	113	15.8	111	15.3	114	15.5	111	14.8	142	18.8	143	18.6	89	11.5	80	10.3
SAN LUIS OBISPO	42	15.3	39	14.1	50	18.1	41	14.8	28	10.1	21	7.5	29	10.5	22	8.0	27	9.7
SAN MATEO	166	22.1	146	19.3	139	18.2	125	16.2	146	18.9	145	18.7	125	16.1	85	11.0	79	10.2
SANTA BARBARA	52	11.9	69	15.7	85	19.2	79	17.7	74	16.5	82	18.2	77	17.0	48	10.6	51	11.2
SANTA CLARA	346	18.5	358	18.9	289	15.0	276	14.2	337	17.3	345	17.6	303	15.5	206	10.5	263	13.3
SANTA CRUZ	33	12.2	54	19.8	34	12.4	35	12.7	32	11.7	31	11.3	36	13.2	19	7.0	24	8.7
SHASTA	25	14.0	31	17.3	26	14.6	26	14.6	35	19.7	31	17.4	25	14.1	29	16.3	28	15.9
SIERRA	1	31.3*	0	-	1	31.7*	0	-	2	63.5*	1	31.9*	0	-	0	-	0	-
SISKIYOU	12	26.8*	4	8.9*	4	9.0*	7	15.8*	3	6.8*	2	4.5*	4	9.1*	7	16.0*	6	13.9*
SOLANO	56	13.3	55	12.9	71	16.6	63	14.5	56	12.8	82	18.7	77	17.5	48	10.9	40	9.0
SONOMA	65	13.1	60	12.0	58	11.6	59	11.7	80	15.9	83	16.6	61	12.3	57	11.6	53	10.6
STANISLAUS	71	13.5	85	16.0	70	13.0	83	15.3	77	14.0	109	19.7	44	7.9	35	6.3	40	7.1
SUTTER	21	21.8	10	10.4*	10	10.3*	8	8.2*	11	11.1*	24	23.8	15	14.6*	12	11.9*	7	7.1*
TEHAMA	10	15.9*	8	12.7*	14	22.1*	14	21.9*	14	21.9*	10	15.5*	11	16.9*	13	19.9*	16	25.0*
TRINITY	1	7.3*	2	14.7*	0	-	2	14.8*	2	14.9*	1	7.5*	0	-	0	-	3	22.8*
TULARE	57	12.5	60	13.1	87	18.8	70	15.0	72	15.3	79	16.7	74	15.5	46	9.6	54	11.2
TUOLUMNE	8	14.7*	3	5.6*	3	5.6*	4	7.5*	7	13.2*	4	7.6*	4	7.6*	3	5.7*	7	13.5*
VENTURA	100	11.9	114	13.5	109	12.8	106	12.5	114	13.4	115	13.6	130	15.4	95	11.3	141	16.6
YOLO	32	15.4	42	20.0	41	19.3	32	14.8	32	14.6	27	12.2	29	13.1	31	14.0	20	8.9
YUBA	25	34.1	7	9.5*	7	9.4*	7	9.3*	22	28.8	16	20.8*	8	10.2*	10	12.6*	14	17.9*

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

## Salmonellosis

### Salmonellosis, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	5,014	5,352	5,600	4,769	5,423	6,304	5,773	4,010	4,625	
JANUARY	266	271	307	299	291	337	305	335	187	
FEBRUARY	249	278	311	250	281	267	269	295	160	
MARCH	325	354	386	295	319	337	304	245	230	
APRIL	368	400	348	321	416	418	440	174	330	
MAY	506	511	424	340	417	405	426	282	415	
JUNE	517	506	475	474	515	592	584	457	565	
JULY	636	611	580	606	645	712	743	485	603	
AUGUST	517	649	809	577	737	857	679	501	593	
SEPTEMBER	637	541	722	462	578	857	676	393	496	
OCTOBER	413	559	512	459	482	671	509	377	400	
NOVEMBER	325	364	427	412	445	531	478	288	369	
DECEMBER	255	308	299	274	297	320	360	178	277	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Salmonellosis, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	5,014	13.1	5,352	13.8	5,600	14.4	4,769	12.1	5,423	13.7	6,304	15.9	5,773	14.5	4,010	10.1	4,625	11.6
FEMALE	2,509	13.0	2,699	13.9	2,950	15.1	2,500	12.7	2,900	14.7	3,386	17.0	3,030	15.2	2,139	10.7	2,394	12.0
MALE	2,412	12.6	2,567	13.3	2,641	13.6	2,266	11.6	2,515	12.8	2,910	14.7	2,729	13.8	1,859	9.4	2,215	11.1
UNKNOWN	93	-	86	-	9	-	3	-	8	-	8	-	14	-	12	-	16	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Salmonellosis, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	5,014	13.1	5,352	13.8	5,600	14.4	4,769	12.1	5,423	13.7	6,304	15.9	5,773	14.5	4,010	10.1	4,625	11.6
0	304	60.9	331	66.6	309	61.9	287	58.9	283	58.9	375	81.7	316	70.8	243	54.9	293	66.9
1-4	687	34.1	724	36.0	624	31.0	545	27.3	591	29.7	693	35.2	633	32.9	486	26.1	538	29.5
5-9	528	20.4	508	19.6	511	19.8	366	14.2	381	14.9	409	16.1	369	14.6	271	10.7	330	13.2
10-14	286	11.2	314	12.3	295	11.6	230	9.0	257	9.9	299	11.5	277	10.6	184	7.1	207	8.0
15-24	570	9.9	603	10.4	661	11.4	538	9.2	651	11.2	645	11.2	677	11.8	449	7.9	415	7.3
25-34	589	11.0	628	11.8	735	14.0	602	11.5	638	12.3	831	16.0	738	14.2	471	9.1	557	10.7
35-44	450	8.7	470	9.1	509	9.9	465	9.0	581	11.2	660	12.6	619	11.8	387	7.4	477	9.1
45-54	458	8.7	506	9.7	607	11.6	467	8.9	566	10.8	657	12.7	581	11.4	390	7.7	459	9.1
55-64	479	10.8	486	10.7	563	12.1	531	11.2	634	13.1	704	14.4	664	13.5	441	9.0	519	10.6
65+	645	13.4	766	15.3	776	14.8	731	13.5	833	14.8	1,020	17.5	887	14.6	673	10.7	812	12.4
UNKNOWN	18	-	16	-	10	-	7	-	8	-	11	-	12	-	15	-	18	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

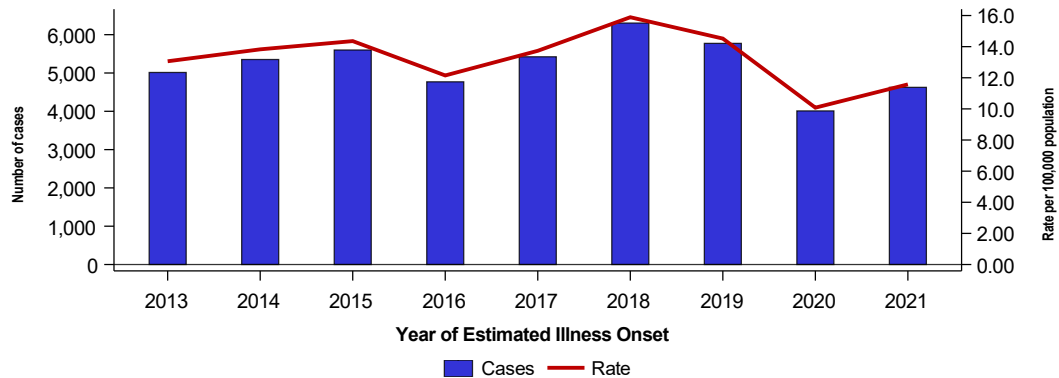
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Salmonellosis, Cases by Race/Ethnicity, California, 2013-2021

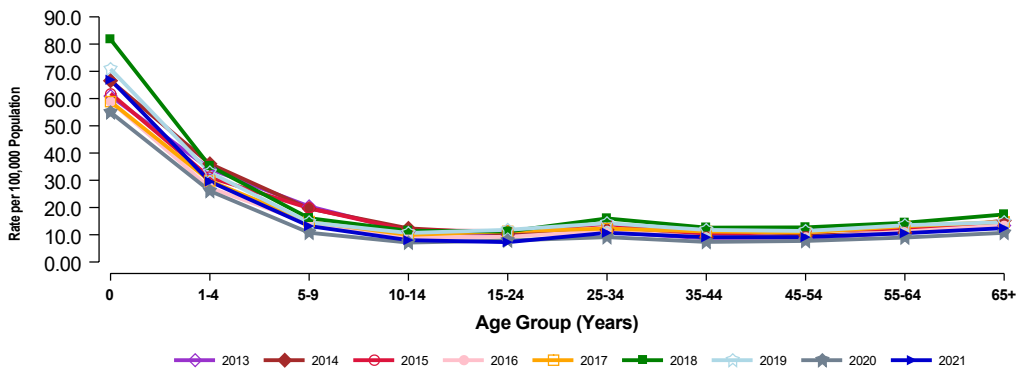
RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	5,014	5,352	5,600	4,769	5,423	6,304	5,773	4,010	4,625	
WHITE, NON-HISPANIC	1,586	1,805	2,057	1,800	1,988	2,105	1,821	1,297	1,456	
HISPANIC/LATINO	1,689	1,788	1,947	1,660	1,723	2,152	2,056	1,357	1,679	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	660	628	524	480	596	617	626	394	481	
BLACK, NON-HISPANIC	184	169	203	150	167	211	170	119	158	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	9	11	17	12	12	15	14	14	9	
MULTIPLE RACE, NON-HISPANIC	44	45	46	38	48	41	52	41	31	
OTHER, NON-HISPANIC	35	53	89	124	244	249	289	232	290	
UNKNOWN	807	853	717	505	645	914	745	556	521	

For inclusion/exclusion criteria, please refer to the Technical Notes.

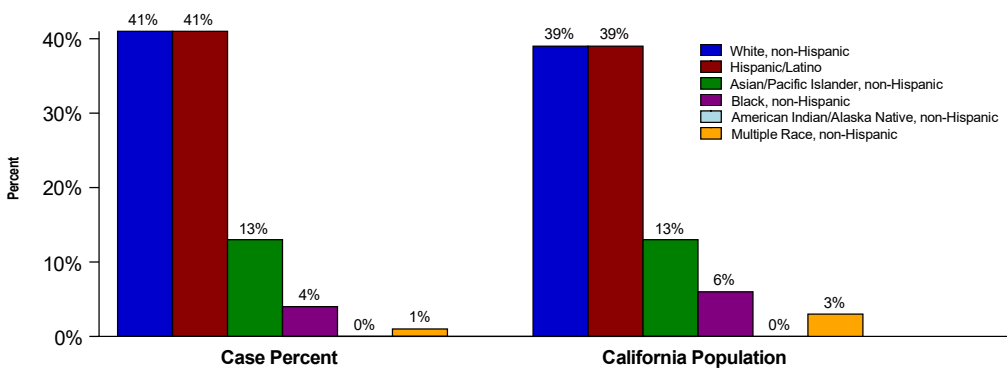
### Salmonellosis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021



### Salmonellosis Incidence Rates by Age Group and Year of Estimated Illness Onset, California, 2013-2021



### Salmonellosis Cases and Population by Race/Ethnicity, California, 2013-2021



13.4% (n=6263) of reported incidents of Salmonellosis did not identify race/ethnicity and 3.4% (n=1605) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

## Scombroid Fish Poisoning

### Scombroid Fish Poisoning, Cases and Rates by Health Jurisdiction, California, 2013-2021

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	17	0.0*	22	0.1	21	0.1	16	0.0*	18	0.0*	39	0.1	32	0.1	26	0.1	26	0.1
ALAMEDA COUNTY TOTAL	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALAMEDA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BERKELEY	0	-	1	0.8*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	2	4.5*	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	0	-	0	-	2	0.2*	0	-	0	-	0	-	0	-	0	-	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
FRESNO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
IMPERIAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	0	-	1	0.0*	5	0.0*	6	0.1*	5	0.0*	13	0.1*	8	0.1*	5	0.0*	6	0.1*
LOS ANGELES	0	-	1	0.0*	5	0.1*	6	0.1*	5	0.1*	12	0.1*	6	0.1*	4	0.0*	6	0.1*
LONG BEACH	0	-	0	-	0	-	0	-	0	-	0	-	2	0.4*	1	0.2*	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	1	0.7*	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIN	1	0.4*	0	-	1	0.4*	0	-	0	-	3	1.1*	0	-	0	-	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-	0	-	0	-
NAPA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	6	0.2*	6	0.2*	3	0.1*	1	0.0*	4	0.1*	3	0.1*	5	0.2*	8	0.3*	2	0.1*
PLACER	1	0.3*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*
SACRAMENTO	0	-	0	-	0	-	0	-	1	0.1*	1	0.1*	1	0.1*	1	0.1*	0	-
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	0	-	1	0.0*	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-
SAN DIEGO	0	-	9	0.3*	2	0.1*	1	0.0*	6	0.2*	5	0.1*	8	0.2*	6	0.2*	11	0.3*
SAN FRANCISCO	2	0.2*	0	-	0	-	0	-	2	0.2*	0	-	2	0.2*	2	0.2*	2	0.2*
SAN JOAQUIN	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-	1	0.1*
SAN LUIS OBISPO	0	-	0	-	3	1.1*	0	-	0	-	6	2.2*	1	0.4*	1	0.4*	2	0.7*
SAN MATEO	3	0.4*	0	-	0	-	0	-	0	-	3	0.4*	0	-	0	-	0	-
SANTA BARBARA	0	-	0	-	0	-	1	0.2*	0	-	0	-	1	0.2*	0	-	0	-
SANTA CLARA	4	0.2*	1	0.1*	3	0.2*	5	0.3*	0	-	4	0.2*	1	0.1*	0	-	0	-
SANTA CRUZ	0	-	0	-	1	0.4*	1	0.4*	0	-	0	-	0	-	0	-	0	-
SHASTA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.6*	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-
SONOMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*
STANISLAUS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	0	-	2	0.2*	0	-	0	-	0	-	0	-	1	0.1*	1	0.1*	0	-
YOLO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.5*	0	-
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

## Scombroid Fish Poisoning

Scombroid Fish Poisoning, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	17	22	21	16	18	39	32	26	26	
JANUARY	0	1	1	3	1	3	4	1	2	
FEBRUARY	1	1	1	0	0	2	2	2	1	
MARCH	0	1	0	3	1	3	0	1	2	
APRIL	5	3	3	1	2	2	4	0	0	
MAY	2	5	4	0	3	5	3	3	1	
JUNE	0	2	3	1	2	6	1	5	5	
JULY	2	1	5	0	2	6	3	1	7	
AUGUST	6	3	1	1	1	1	4	1	1	
SEPTEMBER	0	1	0	2	1	1	2	5	2	
OCTOBER	1	1	3	1	0	0	5	3	3	
NOVEMBER	0	0	0	2	3	2	0	3	0	
DECEMBER	0	3	0	2	2	8	4	1	2	

For inclusion/exclusion criteria, please refer to the Technical Notes.

Scombroid Fish Poisoning, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	17	0.0*	22	0.1	21	0.1	16	0.0*	18	0.0*	39	0.1	32	0.1	26	0.1	26	0.1
FEMALE	12	0.1*	13	0.1*	11	0.1*	4	0.0*	7	0.0*	23	0.1	17	0.1*	12	0.1*	10	0.0*
MALE	5	0.0*	9	0.0*	9	0.0*	10	0.1*	11	0.1*	16	0.1*	15	0.1*	13	0.1*	15	0.1*
UNKNOWN	0	-	0	-	1	-	2	-	0	-	0	-	0	-	1	-	1	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Scombroid Fish Poisoning, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	17	0.0*	22	0.1	21	0.1	16	0.0*	18	0.0*	39	0.1	32	0.1	26	0.1	26	0.1
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*
10-14	0	-	1	0.0*	1	0.0*	1	0.0*	0	-	0	-	0	-	1	0.0*	1	0.0*
15-24	3	0.1*	5	0.1*	3	0.1*	4	0.1*	2	0.0*	3	0.1*	5	0.1*	6	0.1*	4	0.1*
25-34	5	0.1*	3	0.1*	3	0.1*	2	0.0*	6	0.1*	6	0.1*	6	0.1*	5	0.1*	8	0.2*
35-44	2	0.0*	3	0.1*	1	0.0*	3	0.1*	5	0.1*	9	0.2*	10	0.2*	8	0.2*	3	0.1*
45-54	3	0.1*	6	0.1*	5	0.1*	3	0.1*	2	0.0*	6	0.1*	6	0.1*	4	0.1*	3	0.1*
55-64	1	0.0*	1	0.0*	7	0.2*	0	-	2	0.0*	6	0.1*	3	0.1*	0	-	3	0.1*
65+	2	0.0*	2	0.0*	1	0.0*	3	0.1*	1	0.0*	7	0.1*	2	0.0*	2	0.0*	3	0.0*
UNKNOWN	1	-	1	-	0	-	0	-	0	-	2	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

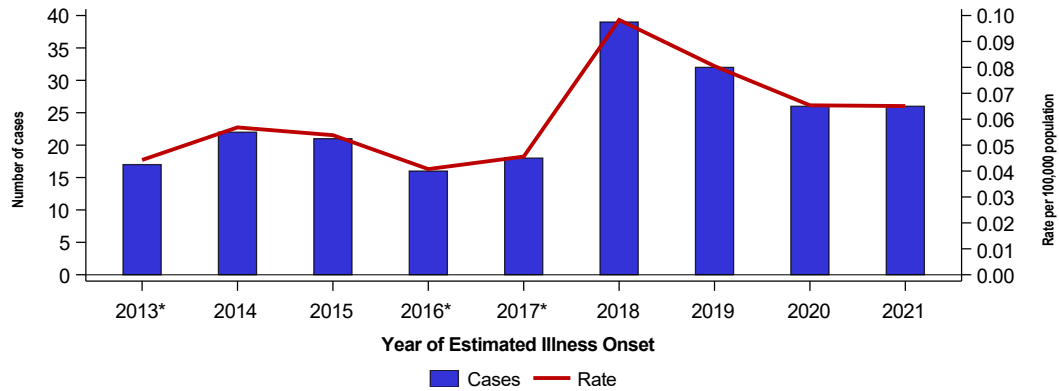
\*Potentially unreliable rate: relative standard error 23 percent or more.

Scombroid Fish Poisoning, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	17	22	21	16	18	39	32	26	26	
WHITE, NON-HISPANIC	8	14	9	10	9	16	10	13	12	
HISPANIC/LATINO	1	2	2	1	1	3	4	2	4	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	5	2	2	3	1	2	5	1	3	
BLACK, NON-HISPANIC	0	0	0	1	0	0	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	0	0	0	1	0	
OTHER, NON-HISPANIC	0	0	0	0	1	0	1	1	2	
UNKNOWN	3	4	8	1	6	18	12	8	5	

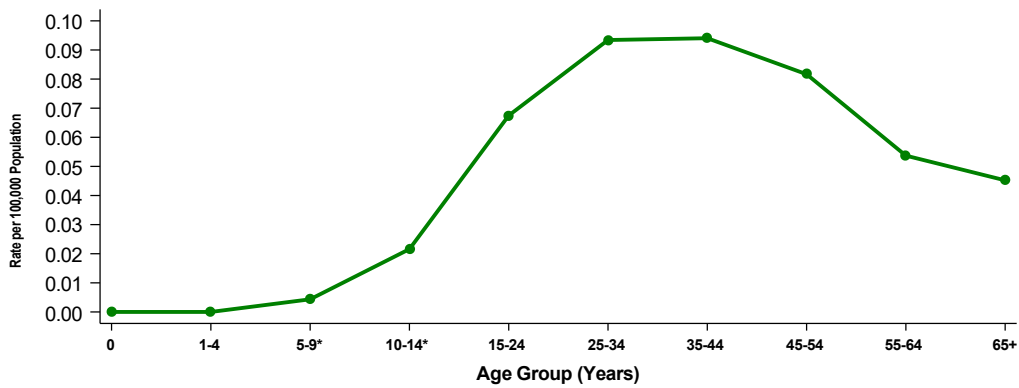
For inclusion/exclusion criteria, please refer to the Technical Notes.

### Scombroid Fish Poisoning Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021



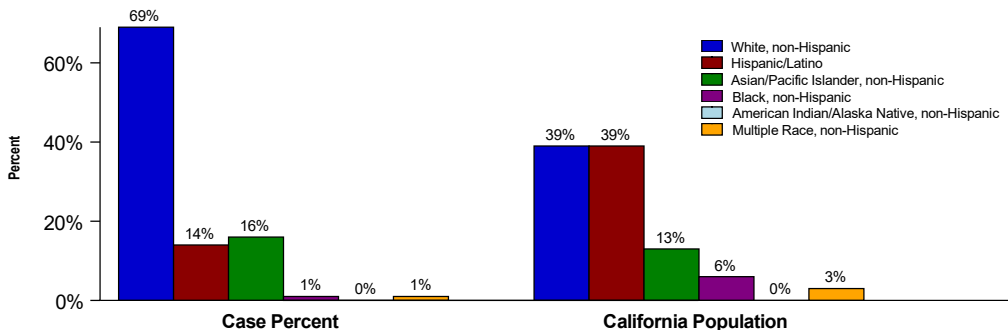
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Scombroid Fish Poisoning Average Incidence Rates by Age Group, California, 2013-2021



\*Potentially unreliable rate: relative standard error 23 percent or more.

### Scombroid Fish Poisoning Cases and Population by Race/Ethnicity, California, 2013-2021



30% (n=65) of reported incidents of Scombroid Fish Poisoning did not identify race/ethnicity and 2.3% (n=5) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

## Shiga toxin-producing E. coli (STEC) without Hemolytic Uremic Syndrome (HUS)

Shiga toxin-producing E. coli (STEC) without Hemolytic Uremic Syndrome (HUS), Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013	2014	2015	2016	2017	2018	2019	2020	2021									
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE								
<b>CALIFORNIA TOTAL</b>	593	1.5	661	1.7	914	2.3	866	2.2	1,260	3.2	2,242	5.7	2,644	6.6	1,237	3.1	1,983	5.0
<b>ALAMEDA COUNTY TOTAL</b>	39	2.5	48	3.0	72	4.4	82	5.0	103	6.2	130	7.8	161	9.6	73	4.4	100	6.0
ALAMEDA	31	2.1	45	3.1	67	4.5	78	5.2	99	6.5	123	8.0	154	10.0	68	4.4	96	6.2
BERKELEY	8	6.9*	3	2.5*	5	4.2*	4	3.3*	4	3.3*	7	5.7*	7	5.7*	5	3.9*	4	3.3*
ALPINE	0	-	0	-	0	-	0	-	1	87.3*	0	-	0	-	0	-	0	-
AMADOR	1	2.8*	2	5.5*	1	2.8*	3	8.2*	1	2.7*	1	2.6*	3	8.0*	1	2.7*	4	10.5*
BUTTE	4	1.8*	4	1.8*	8	3.6*	4	1.8*	7	3.1*	10	4.4*	4	1.9*	5	2.4*	3	1.3*
CALAVERAS	8	17.7*	0	-	1	2.2*	2	4.5*	0	-	4	9.0*	2	4.5*	0	-	1	2.3*
COLUSA	1	4.6*	0	-	1	4.6*	0	-	0	-	1	4.6*	0	-	0	-	1	4.4*
CONTRA COSTA	26	2.4	31	2.8	55	4.9	56	5.0	60	5.3	90	7.9	115	10.0	50	4.3	59	5.1
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	1	3.7*	0	-	0	-
EL DORADO	0	-	4	2.2*	5	2.7*	5	2.7*	8	4.3*	7	3.7*	10	5.3*	7	3.6*	9	4.8*
FRESNO	18	1.9*	21	2.2	18	1.8*	26	2.6	34	3.4	46	4.6	54	5.3	34	3.3	61	6.0
GLENN	5	17.7*	1	3.5*	3	10.6*	2	7.1*	1	3.5*	2	7.0*	3	10.3*	1	3.4*	1	3.4*
HUMBOLDT	3	2.2*	4	3.0*	9	6.7*	12	8.9*	5	3.7*	5	3.7*	4	3.0*	0	-	1	0.7*
IMPERIAL	0	-	1	0.5*	2	1.1*	0	-	0	-	6	3.2*	22	11.6	8	4.3*	34	17.7
INYO	0	-	1	5.4*	0	-	0	-	0	-	0	-	0	-	1	5.4*	1	5.5*
KERN	7	0.8*	12	1.4*	15	1.7*	11	1.2*	13	1.5*	42	4.7	42	4.6	29	3.2	40	4.3
KINGS	2	1.3*	6	4.0*	2	1.3*	2	1.3*	4	2.7*	4	2.6*	7	4.6*	4	2.6*	9	5.8*
LAKE	2	3.1*	0	-	0	-	1	1.6*	2	3.1*	1	1.5*	5	7.8*	3	4.7*	6	9.3*
LASSEN	0	-	0	-	1	3.3*	1	3.4*	1	3.4*	0	-	0	-	0	-	0	-
<b>LOS ANGELES COUNTY TOTAL</b>	102	1.0	87	0.9	96	0.9	113	1.1	131	1.3	592	5.8	673	6.6	241	2.4	509	5.0
LOS ANGELES	95	1.0	81	0.9	94	1.0	108	1.1	123	1.3	557	5.8	634	6.6	223	2.3	472	5.0
LONG BEACH	5	1.1*	4	0.8*	2	0.4*	3	0.6*	8	1.7*	30	6.3	28	5.9	15	3.2*	33	7.2
PASADENA	2	1.4*	2	1.4*	0	-	2	1.4*	0	-	5	3.5*	11	7.6*	3	2.1*	4	2.9*
MADERA	3	2.0*	3	2.0*	3	1.9*	2	1.3*	3	1.9*	4	2.5*	6	3.8*	7	4.4*	10	6.2*
MARIN	12	4.6*	14	5.4*	20	7.6	17	6.5*	24	9.1	33	12.6	46	17.6	12	4.6*	27	10.5
MARIPOSA	0	-	1	5.5*	1	5.5*	0	-	1	5.6*	0	-	1	5.6*	0	-	2	11.4*
MENDOCINO	0	-	1	1.1*	1	1.1*	3	3.4*	3	3.4*	11	12.4*	17	19.3*	5	5.7*	8	9.1*
MERCED	0	-	0	-	2	0.7*	2	0.7*	3	1.1*	13	4.7*	11	3.9*	12	4.2*	8	2.8*
MODOC	2	20.8*	4	41.7*	0	-	1	10.5*	0	-	0	-	1	10.6*	2	21.2*	0	-
MONO	0	-	0	-	0	-	2	14.7*	0	-	0	-	0	-	0	-	1	7.2*
MONTEREY	11	2.6*	27	6.3	21	4.8	18	4.1*	21	4.8	21	4.8	23	5.2	13	2.9*	18	4.0*
NAPA	7	5.0*	1	0.7*	5	3.5*	4	2.8*	7	5.0*	15	10.7*	15	10.7*	6	4.3*	11	7.9*
NEVADA	2	2.0*	0	-	4	4.1*	4	4.1*	10	10.2*	2	2.0*	10	10.2*	4	4.1*	7	7.1*
ORANGE	43	1.4	28	0.9	50	1.6	42	1.3	39	1.2	105	3.3	138	4.3	79	2.5	129	4.0
PLACER	2	0.5*	10	2.7*	17	4.6*	28	7.4	39	10.2	27	6.9	38	9.6	18	4.5*	16	4.0*
PLUMAS	0	-	1	5.4*	0	-	0	-	1	5.4*	1	5.5*	0	-	0	-	3	15.7*
RIVERSIDE	24	1.1	10	0.4*	17	0.7*	12	0.5*	16	0.7*	97	4.0	107	4.4	53	2.2	89	3.6
SACRAMENTO	14	1.0*	41	2.8	60	4.0	45	3.0	57	3.8	90	5.9	114	7.4	62	4.0	63	4.0
SAN BENITO	0	-	1	1.7*	2	3.4*	1	1.7*	4	6.7*	9	14.8*	15	24.2*	7	11.1*	4	6.5*
SAN BERNARDINO	14	0.7*	17	0.8*	21	1.0	5	0.2*	4	0.2*	44	2.0	54	2.5	34	1.6	59	2.7
SAN DIEGO	38	1.2	34	1.0	43	1.3	49	1.5	280	8.4	164	4.9	178	5.3	87	2.6	160	4.8
SAN FRANCISCO	16	1.9*	22	2.6	30	3.5	30	3.4	52	5.9	59	6.6	78	8.7	40	4.4	54	6.1
SAN JOAQUIN	13	1.8*	21	2.9	35	4.8	29	3.9	28	3.7	38	5.0	52	6.8	46	5.9	43	5.5
SAN LUIS OBISPO	11	4.0*	11	4.0*	11	4.0*	13	4.7*	16	5.8*	14	5.0*	17	6.1*	18	6.5*	17	6.1*
SAN MATEO	20	2.7	28	3.7	28	3.7	26	3.4	39	5.0	53	6.8	85	11.0	29	3.7	44	5.7
SANTA BARBARA	12	2.8*	14	3.2*	14	3.2*	7	1.6*	16	3.6*	34	7.5	37	8.2	20	4.4	50	11.0
SANTA CLARA	50	2.7	53	2.8	103	5.4	89	4.6	95	4.9	195	10.0	217	11.1	71	3.6	100	5.1
SANTA CRUZ	10	3.7*	12	4.4*	7	2.5*	5	1.8*	5	1.8*	21	7.7	22	8.1	6	2.2*	9	3.3*
SHASTA	4	2.2*	7	3.9*	4	2.2*	8	4.5*	2	1.1*	12	6.7*	3	1.7*	7	3.9*	11	6.2*
SIERRA	0	-	1	31.5*	0	-	0	-	0	-	0	-	0	-	0	-	1	32.3*
SISKIYOU	4	8.9*	0	-	1	2.2*	1	2.3*	1	2.3*	6	13.6*	1	2.3*	1	2.3*	2	4.6*
SOLANO	3	0.7*	4	0.9*	31	7.2	15	3.5*	19	4.4	38	8.7	30	6.8	25	5.7	18	4.0*
SONOMA	14	2.8*	24	4.8	27	5.4	25	5.0	35	7.0	50	10.0	76	15.4	32	6.5	38	7.6
STANISLAUS	15	2.8*	18	3.4*	26	4.8	28	5.2	17	3.1*	29	5.3	40	7.2	17	3.1*	20	3.6
SUTTER	3	3.1*	1	1.0*	4	4.1*	0	-	2	2.0*	1	1.0*	2	1.9*	2	2.0*	4	4.0*
TEHAMA	2	3.2*	1	1.6*	2	3.2*	0	-	1	1.6*	3	4.7*	3	4.6*	4	6.1*	9	14.1*
TRINITY	0	-	0	-	0	-	0	-	0	-	1	7.5*	0	-	0	-	0	-
TULARE	9	2.0*	10	2.2*	10	2.2*	16	3.4*	18	3.8*	32	6.8	27	5.7	17	3.5*	27	5.6
TUOLUMNE	3	5.5*	3	5.6*	4	7.5*	1	1.9*	3	5.7*	0	-	4	7.6*	0	-	4	7.7*
VENTURA	8	1.0*	6	0.7*	10	1.2*	5	0.6*	13	1.5*	61	7.2	54	6.4	34	4.0	65	7.6
YOLO	3	1.4*	7	3.3*	9	4.2*	10	4.6*	12	5.5*	12	5.4*	11	5.0*	7	3.2*	10	4.4*
YUBA	3	4.1*	3	4.1*	2	2.7*	3	4.0*	3	3.9*	6	7.8*	5	6.4*	3	3.8*	3	3.8*

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

## Shiga toxin-producing E. coli (STEC) without Hemolytic Uremic Syndrome (HUS)

Shiga toxin-producing E. coli (STEC) without Hemolytic Uremic Syndrome (HUS), Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	593	661	914	866	1,260	2,242	2,644	1,237	1,983	
JANUARY	21	27	55	45	56	112	170	159	71	
FEBRUARY	20	20	42	39	49	84	106	127	84	
MARCH	35	37	56	66	49	120	169	91	88	
APRIL	55	44	68	62	102	212	201	41	155	
MAY	66	49	88	64	72	187	207	77	207	
JUNE	40	53	64	64	103	220	291	114	254	
JULY	76	99	109	121	125	312	367	103	291	
AUGUST	70	68	113	90	146	317	347	150	217	
SEPTEMBER	72	63	98	77	133	162	287	115	176	
OCTOBER	84	79	119	94	282	196	181	140	145	
NOVEMBER	32	70	67	97	90	183	187	72	171	
DECEMBER	22	52	35	47	53	137	131	48	124	

For inclusion/exclusion criteria, please refer to the Technical Notes.

Shiga toxin-producing E. coli (STEC) without Hemolytic Uremic Syndrome (HUS), Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	593	1.5	661	1.7	914	2.3	866	2.2	1,260	3.2	2,242	5.7	2,644	6.6	1,237	3.1	1,983	5.0
FEMALE	332	1.7	329	1.7	464	2.4	458	2.3	536	2.7	1,236	6.2	1,439	7.2	648	3.3	1,023	5.1
MALE	261	1.4	332	1.7	450	2.3	406	2.1	723	3.7	1,004	5.1	1,203	6.1	582	2.9	956	4.8
UNKNOWN	0	-	0	-	0	-	2	-	1	-	2	-	2	-	7	-	4	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Shiga toxin-producing E. coli (STEC) without Hemolytic Uremic Syndrome (HUS), Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	593	1.5	661	1.7	914	2.3	866	2.2	1,260	3.2	2,242	5.7	2,644	6.6	1,237	3.1	1,983	5.0
0	16	3.2*	16	3.2*	25	5.0	31	6.4	35	7.3	59	12.9	72	16.1	30	6.8	37	8.4
1-4	194	9.6	201	10.0	253	12.6	228	11.4	259	13.0	435	22.1	472	24.5	193	10.4	343	18.8
5-9	89	3.4	82	3.2	107	4.1	94	3.6	101	3.9	148	5.8	175	6.9	72	2.9	136	5.4
10-14	38	1.5	62	2.4	73	2.9	72	2.8	63	2.4	124	4.8	136	5.2	75	2.9	110	4.3
15-24	77	1.3	85	1.5	140	2.4	117	2.0	365	6.3	285	4.9	312	5.4	157	2.8	252	4.4
25-34	57	1.1	52	1.0	71	1.3	89	1.7	131	2.5	268	5.2	340	6.6	156	3.0	231	4.4
35-44	21	0.4	28	0.5	56	1.1	55	1.1	54	1.0	185	3.5	255	4.9	100	1.9	183	3.5
45-54	27	0.5	41	0.8	45	0.9	40	0.8	55	1.1	177	3.4	235	4.6	103	2.0	172	3.4
55-64	27	0.6	35	0.8	48	1.0	56	1.2	87	1.8	220	4.5	269	5.5	141	2.9	205	4.2
65+	45	0.9	55	1.1	86	1.6	78	1.4	107	1.9	338	5.8	374	6.2	208	3.3	310	4.7
UNKNOWN	2	-	4	-	10	-	6	-	3	-	3	-	4	-	2	-	4	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

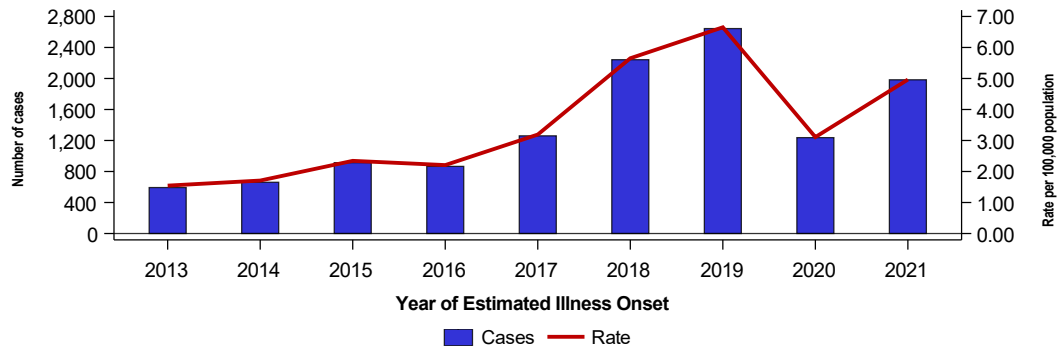
Shiga toxin-producing E. coli (STEC) without Hemolytic Uremic Syndrome (HUS), Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	593	661	914	866	1,260	2,242	2,644	1,237	1,983	
WHITE, NON-HISPANIC	221	254	370	336	433	786	867	489	634	
HISPANIC/LATINO	214	205	290	264	266	795	985	367	776	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	41	36	46	57	67	149	193	80	121	
BLACK, NON-HISPANIC	17	20	35	31	31	85	71	40	66	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	1	1	3	2	4	8	5	2	5	
MULTIPLE RACE, NON-HISPANIC	9	13	9	10	13	16	26	11	16	
OTHER, NON-HISPANIC	3	6	12	38	61	109	167	62	155	
UNKNOWN	87	126	149	128	385	294	330	186	210	

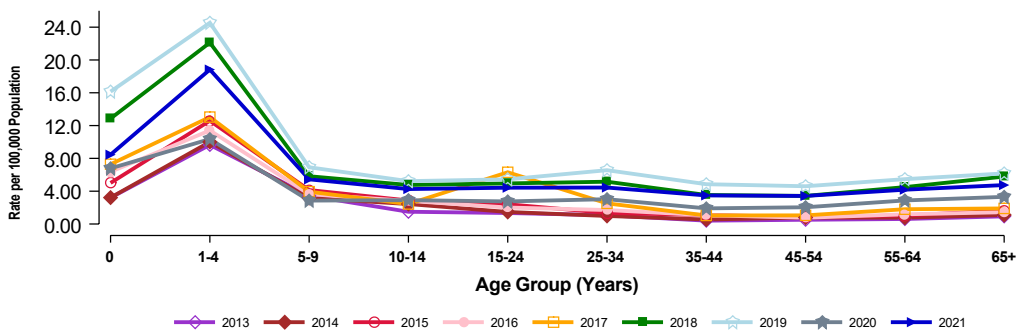
For inclusion/exclusion criteria, please refer to the Technical Notes.



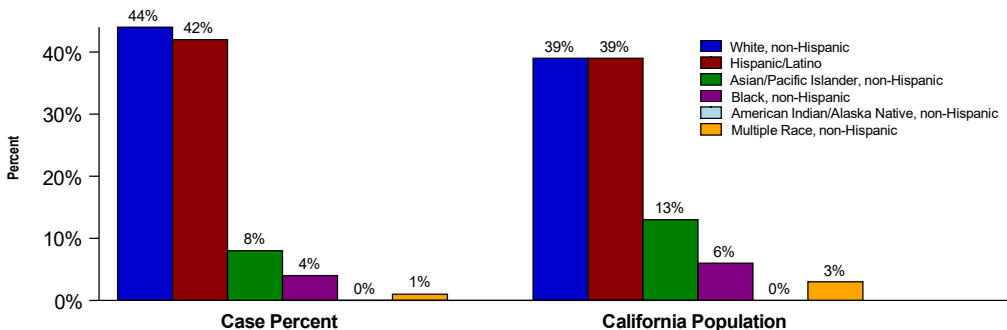
### Shiga toxin-producing E. coli (STEC) without Hemolytic Uremic Syndrome (HUS) Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021



### Shiga toxin-producing E. coli (STEC) without Hemolytic Uremic Syndrome (HUS) Incidence Rates by Age Group and Year of Estimated Illness Onset, California, 2013-2021



### Shiga toxin-producing E. coli (STEC) without Hemolytic Uremic Syndrome (HUS) Cases and Population by Race/Ethnicity, California, 2013-2021



15.3% (n=1895) of reported incidents of Shiga toxin-producing E. coli (STEC) without Hemolytic Uremic Syndrome (HUS) did not identify race/ethnicity and 4.9% (n=613) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

## Shiga toxin-producing E. coli (STEC) with Hemolytic Uremic Syndrome (HUS)

Shiga toxin-producing E. coli (STEC) with Hemolytic Uremic Syndrome (HUS), Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
<b>CALIFORNIA TOTAL</b>	38	0.1	36	0.1	36	0.1	45	0.1	52	0.1	67	0.2	70	0.2	36	0.1	49	0.1
<b>ALAMEDA COUNTY TOTAL</b>	1	0.1*	4	0.2*	4	0.2*	3	0.2*	4	0.2*	2	0.1*	3	0.2*	4	0.2*	3	0.2*
ALAMEDA	1	0.1*	4	0.3*	4	0.3*	3	0.2*	3	0.2*	2	0.1*	3	0.2*	4	0.3*	3	0.2*
BERKELEY	0	-	0	-	0	-	0	-	1	0.8*	0	-	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	1	0.5*	0	-	2	0.9*	1	0.4*	0	-	1	0.4*	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	1	2.2*	0	-	1	2.3*	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	3	0.3*	2	0.2*	1	0.1*	1	0.1*	2	0.2*	4	0.3*	0	-	1	0.1*	2	0.2*
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	1	0.5*	0	-	0	-	0	-	0	-
FRESNO	1	0.1*	2	0.2*	0	-	1	0.1*	3	0.3*	4	0.4*	2	0.2*	0	-	7	0.7*
GLENN	0	-	0	-	0	-	1	3.5*	0	-	0	-	0	-	0	-	1	3.4*
HUMBOLDT	3	2.2*	1	0.7*	2	1.5*	0	-	0	-	1	0.7*	1	0.7*	0	-	0	-
IMPERIAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	3	0.3*	1	0.1*	0	-	1	0.1*	0	-	3	0.3*	0	-
KINGS	0	-	3	2.0*	0	-	0	-	0	-	1	0.7*	0	-	0	-	1	0.6*
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	3	0.0*	2	0.0*	2	0.0*	3	0.0*	0	-	12	0.1*	9	0.1*	2	0.0*	7	0.1*
LOS ANGELES	3	0.0*	2	0.0*	2	0.0*	2	0.0*	0	-	11	0.1*	8	0.1*	2	0.0*	7	0.1*
LONG BEACH	0	-	0	-	0	-	1	0.2*	0	-	1	0.2*	0	-	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	1	0.7*	0	-	0	-
MADERA	1	0.7*	0	-	0	-	1	0.6*	0	-	2	1.3*	0	-	0	-	0	-
MARIN	2	0.8*	1	0.4*	0	-	2	0.8*	0	-	1	0.4*	3	1.1*	0	-	2	0.8*
MARIPOSA	0	-	0	-	1	5.5*	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	1	1.1*	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*	1	0.4*	1	0.3*
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	3	0.7*	0	-	1	0.2*	0	-	3	0.7*	1	0.2*	0	-	0	-
NAPA	0	-	0	-	0	-	0	-	0	-	2	1.4*	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	2	2.0*	4	4.1*	0	-	2	2.0*	0	-	1	1.0*
ORANGE	1	0.0*	0	-	0	-	3	0.1*	2	0.1*	2	0.1*	2	0.1*	3	0.1*	2	0.1*
PLACER	1	0.3*	0	-	3	0.8*	3	0.8*	0	-	4	1.0*	0	-	2	0.5*	2	0.5*
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	2	0.1*	0	-	3	0.1*	1	0.0*	3	0.1*	1	0.0*	0	-
SACRAMENTO	2	0.1*	3	0.2*	5	0.3*	2	0.1*	1	0.1*	1	0.1*	6	0.4*	1	0.1*	6	0.4*
SAN BENITO	0	-	0	-	1	1.7*	0	-	0	-	1	1.6*	0	-	0	-	0	-
SAN BERNARDINO	0	-	1	0.0*	0	-	0	-	2	0.1*	2	0.1*	1	0.0*	0	-	0	-
SAN DIEGO	0	-	1	0.0*	1	0.0*	1	0.0*	18	0.5*	2	0.1*	2	0.1*	3	0.1*	0	-
SAN FRANCISCO	5	0.6*	0	-	2	0.2*	1	0.1*	1	0.1*	0	-	4	0.4*	0	-	1	0.1*
SAN JOAQUIN	2	0.3*	2	0.3*	0	-	0	-	0	-	2	0.3*	3	0.4*	2	0.3*	0	-
SAN LUIS OBISPO	2	0.7*	2	0.7*	0	-	3	1.1*	0	-	0	-	1	0.4*	1	0.4*	2	0.7*
SAN MATEO	1	0.1*	1	0.1*	1	0.1*	2	0.3*	1	0.1*	1	0.1*	0	-	0	-	0	-
SANTA BARBARA	1	0.2*	0	-	0	-	2	0.4*	0	-	1	0.2*	0	-	2	0.4*	0	-
SANTA CLARA	3	0.2*	0	-	4	0.2*	2	0.1*	4	0.2*	5	0.3*	6	0.3*	0	-	1	0.1*
SANTA CRUZ	0	-	0	-	0	-	2	0.7*	0	-	1	0.4*	1	0.4*	0	-	0	-
SHASTA	0	-	1	0.6*	1	0.6*	0	-	2	1.1*	2	1.1*	3	1.7*	1	0.6*	2	1.1*
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	1	2.3*	0	-	0	-	2	4.6*	0	-
SOLANO	1	0.2*	0	-	0	-	3	0.7*	1	0.2*	2	0.5*	3	0.7*	1	0.2*	1	0.2*
SONOMA	0	-	3	0.6*	0	-	1	0.2*	0	-	2	0.4*	4	0.8*	1	0.2*	2	0.4*
STANISLAUS	1	0.2*	0	-	0	-	0	-	1	0.2*	0	-	0	-	5	0.9*	2	0.4*
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	1	1.5*	0	-	1	1.6*
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	1	0.2*	2	0.4*	0	-	1	0.2*	0	-	0	-	4	0.8*	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	1	1.9*	0	-	0	-	0	-
VENTURA	0	-	1	0.1*	1	0.1*	1	0.1*	0	-	1	0.1*	3	0.4*	0	-	1	0.1*
YOLO	0	-	1	0.5*	0	-	1	0.5*	0	-	0	-	0	-	0	-	1	0.4*
YUBA	2	2.7*	0	-	0	-	0	-	0	-	1	1.3*	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

## Shiga toxin-producing E. coli (STEC) with Hemolytic Uremic Syndrome (HUS)

Shiga toxin-producing E. coli (STEC) with Hemolytic Uremic Syndrome (HUS), Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	38	36	36	45	52	67	70	36	49	
JANUARY	0	0	0	4	2	3	2	1	0	
FEBRUARY	1	2	2	0	1	1	0	0	0	
MARCH	0	3	1	0	1	2	1	1	1	
APRIL	2	2	4	2	2	9	2	1	5	
MAY	1	6	2	4	3	8	11	9	1	
JUNE	3	3	3	5	0	5	10	1	6	
JULY	5	2	5	6	10	8	7	5	8	
AUGUST	7	4	4	1	3	7	10	4	6	
SEPTEMBER	7	3	4	3	6	11	11	6	10	
OCTOBER	8	6	8	8	16	3	6	1	4	
NOVEMBER	2	2	1	10	5	7	5	5	3	
DECEMBER	2	3	2	2	3	3	5	2	5	

For inclusion/exclusion criteria, please refer to the Technical Notes.

Shiga toxin-producing E. coli (STEC) with Hemolytic Uremic Syndrome (HUS), Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	38	0.1	36	0.1	36	0.1	45	0.1	52	0.1	67	0.2	70	0.2	36	0.1	49	0.1
FEMALE	22	0.1	27	0.1	23	0.1	28	0.1	18	0.1*	37	0.2	42	0.2	22	0.1	32	0.2
MALE	16	0.1*	9	0.0*	13	0.1*	17	0.1*	34	0.2	30	0.2	28	0.1	14	0.1*	17	0.1*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Shiga toxin-producing E. coli (STEC) with Hemolytic Uremic Syndrome (HUS), Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	38	0.1	36	0.1	36	0.1	45	0.1	52	0.1	67	0.2	70	0.2	36	0.1	49	0.1
0	0	-	0	-	1	0.2*	0	-	0	-	1	0.2*	2	0.4*	1	0.2*	0	-
1-4	16	0.8*	23	1.1	17	0.8*	26	1.3	15	0.8*	26	1.3	33	1.7	18	1.0*	22	1.2
5-9	10	0.4*	5	0.2*	7	0.3*	10	0.4*	10	0.4*	8	0.3*	14	0.6*	9	0.4*	13	0.5*
10-14	0	-	2	0.1*	4	0.2*	1	0.0*	3	0.1*	9	0.3*	5	0.2*	2	0.1*	4	0.2*
15-24	4	0.1*	1	0.0*	0	-	0	-	16	0.3*	2	0.0*	4	0.1*	0	-	2	0.0*
25-34	1	0.0*	0	-	0	-	1	0.0*	1	0.0*	1	0.0*	3	0.1*	2	0.0*	1	0.0*
35-44	0	-	0	-	0	-	0	-	1	0.0*	1	0.0*	1	0.0*	0	-	1	0.0*
45-54	0	-	1	0.0*	3	0.1*	1	0.0*	0	-	2	0.0*	3	0.1*	0	-	0	-
55-64	1	0.0*	3	0.1*	3	0.1*	0	-	2	0.0*	3	0.1*	2	0.0*	2	0.0*	2	0.0*
65+	5	0.1*	1	0.0*	1	0.0*	6	0.1*	4	0.1*	14	0.2*	2	0.0*	2	0.0*	4	0.1*
UNKNOWN	1	-	0	-	0	-	0	-	0	-	0	-	1	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

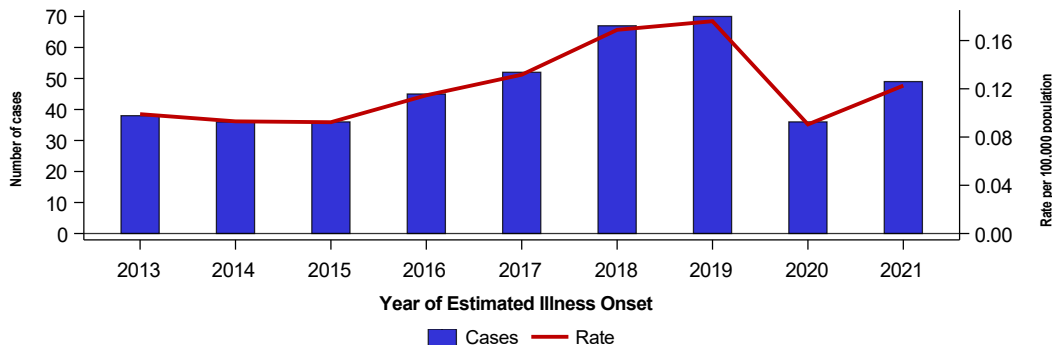
\*Potentially unreliable rate: relative standard error 23 percent or more.

Shiga toxin-producing E. coli (STEC) with Hemolytic Uremic Syndrome (HUS), Cases by Race/Ethnicity, California, 2013-2021

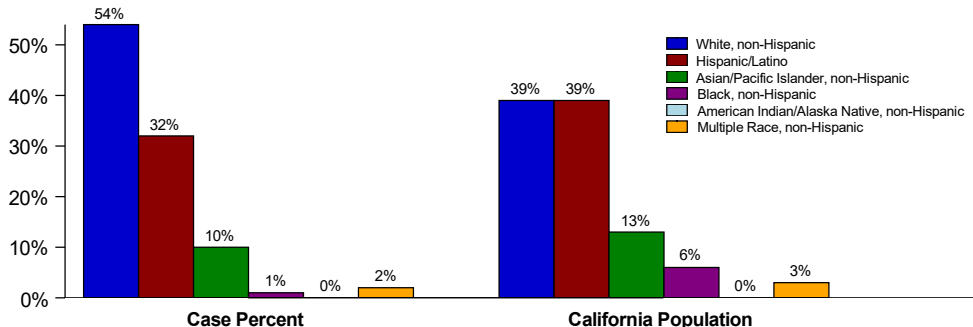
RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	38	36	36	45	52	67	70	36	49	
WHITE, NON-HISPANIC	21	12	18	23	27	28	21	16	25	
HISPANIC/LATINO	9	11	10	11	5	19	24	12	14	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	4	5	2	1	4	5	8	3	3	
BLACK, NON-HISPANIC	0	2	1	1	0	1	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	1	0	0	0	
MULTIPLE RACE, NON-HISPANIC	1	0	2	1	1	0	2	1	0	
OTHER, NON-HISPANIC	0	0	0	4	4	7	7	2	4	
UNKNOWN	3	6	3	4	11	6	8	2	3	

For inclusion/exclusion criteria, please refer to the Technical Notes.

**Shiga toxin-producing E. coli (STEC) with Hemolytic Uremic Syndrome (HUS)  
Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021**



**Shiga toxin-producing E. coli (STEC) with Hemolytic Uremic Syndrome (HUS)  
Cases and Population by Race/Ethnicity, California, 2013-2021**



10.7% (n=46) of reported incidents of Shiga toxin-producing E. coli (STEC) with Hemolytic Uremic Syndrome (HUS) did not identify race/ethnicity and 6.5% (n=28) of incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

## Hemolytic Uremic Syndrome (HUS) without evidence of Shiga toxin-producing E. coli (STEC)

Hemolytic Uremic Syndrome (HUS) without evidence of Shiga toxin-producing E. coli (STEC), Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013	2014	2015	2016	2017	2018	2019	2020	2021									
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE								
CALIFORNIA TOTAL	22	0.1	3	0.0*	4	0.0*	11	0.0*	9	0.0*	5	0.0*	5	0.0*	11	0.0*	3	0.0*
ALAMEDA COUNTY TOTAL	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALAMEDA	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BERKELEY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	0	-	0	-	1	0.4*	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	1	0.1*	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.5*	0	-
FRESNO	0	-	1	0.1*	0	-	0	-	1	0.1*	1	0.1*	1	0.1*	0	-	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	1	0.7*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
IMPERIAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	3	0.0*	1	0.0*	0	-	0	-	2	0.0*	0	-	0	-	3	0.0*	0	-
LOS ANGELES	3	0.0*	1	0.0*	0	-	0	-	2	0.0*	0	-	0	-	3	0.0*	0	-
LONG BEACH	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIN	1	0.4*	0	-	0	-	2	0.8*	0	-	0	-	0	-	0	-	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NAPA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	3	0.1*
PLACER	0	-	0	-	0	-	4	1.1*	0	-	0	-	0	-	1	0.3*	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SACRAMENTO	1	0.1*	0	-	1	0.1*	1	0.1*	0	-	0	-	0	-	0	-	0	-
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN DIEGO	2	0.1*	0	-	0	-	1	0.0*	1	0.0*	0	-	1	0.0*	1	0.0*	0	-
SAN FRANCISCO	2	0.2*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN JOAQUIN	1	0.1*	0	-	1	0.1*	1	0.1*	0	-	0	-	0	-	0	-	0	-
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	0	-	0	-	1	0.1*	0	-	1	0.1*	0	-	0	-	0	-	0	-
SANTA BARBARA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CLARA	4	0.2*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CRUZ	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SHASTA	0	-	0	-	0	-	0	-	2	1.1*	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	2	0.5*	0	-	0	-	0	-	1	0.2*	1	0.2*	1	0.2*	0	-	0	-
SONOMA	2	0.4*	1	0.2*	0	-	1	0.2*	0	-	0	-	0	-	0	-	0	-
STANISLAUS	1	0.2*	0	-	0	-	0	-	0	-	1	0.2*	0	-	1	0.2*	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	1	1.5*	1	1.5*	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	1	0.2*	1	0.2*	0	-	0	-	0	-	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-
YOLO	0	-	0	-	0	-	0	-	0	-	1	0.5*	0	-	0	-	0	-
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.

### Hemolytic Uremic Syndrome (HUS) without evidence of Shiga toxin-producing E. coli (STEC)

Hemolytic Uremic Syndrome (HUS) without evidence of Shiga toxin-producing E. coli (STEC), Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	22	3	4	11	9	5	5	11	3	
JANUARY	0	0	0	2	2	0	0	1	0	
FEBRUARY	0	0	0	0	1	0	0	0	0	
MARCH	1	0	0	0	0	0	1	1	1	
APRIL	0	0	0	0	0	1	0	0	1	
MAY	2	0	0	1	1	1	0	1	0	
JUNE	1	1	1	1	1	1	0	1	0	
JULY	4	0	0	0	0	0	1	1	0	
AUGUST	6	0	0	1	1	0	0	3	1	
SEPTEMBER	3	0	0	1	0	0	1	0	0	
OCTOBER	3	1	2	3	0	1	0	3	0	
NOVEMBER	2	1	1	2	2	0	2	0	0	
DECEMBER	0	0	0	0	1	1	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

Hemolytic Uremic Syndrome (HUS) without evidence of Shiga toxin-producing E. coli (STEC), Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	22	0.1	3	0.0*	4	0.0*	11	0.0*	9	0.0*	5	0.0*	5	0.0*	11	0.0*	3	0.0*
FEMALE	14	0.1*	3	0.0*	2	0.0*	6	0.0*	6	0.0*	5	0.0*	3	0.0*	8	0.0*	3	0.0*
MALE	8	0.0*	0	-	2	0.0*	5	0.0*	3	0.0*	0	-	2	0.0*	3	0.0*	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Hemolytic Uremic Syndrome (HUS) without evidence of Shiga toxin-producing E. coli (STEC), Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	22	0.1	3	0.0*	4	0.0*	11	0.0*	9	0.0*	5	0.0*	5	0.0*	11	0.0*	3	0.0*
0	1	0.2*	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-
1-4	11	0.5*	1	0.0*	3	0.1*	2	0.1*	4	0.2*	2	0.1*	2	0.1*	3	0.2*	1	0.1*
5-9	2	0.1*	2	0.1*	0	-	3	0.1*	0	-	0	-	2	0.1*	1	0.0*	0	-
10-14	1	0.0*	0	-	0	-	3	0.1*	1	0.0*	0	-	0	-	1	0.0*	1	0.0*
15-24	3	0.1*	0	-	0	-	0	-	0	-	1	0.0*	0	-	3	0.1*	0	-
25-34	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-
35-44	1	0.0*	0	-	0	-	0	-	0	-	2	0.0*	0	-	0	-	0	-
45-54	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
55-64	1	0.0*	0	-	1	0.0*	0	-	3	0.1*	0	-	0	-	0	-	0	-
65+	1	0.0*	0	-	0	-	3	0.1*	1	0.0*	0	-	1	0.0*	1	0.0*	1	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

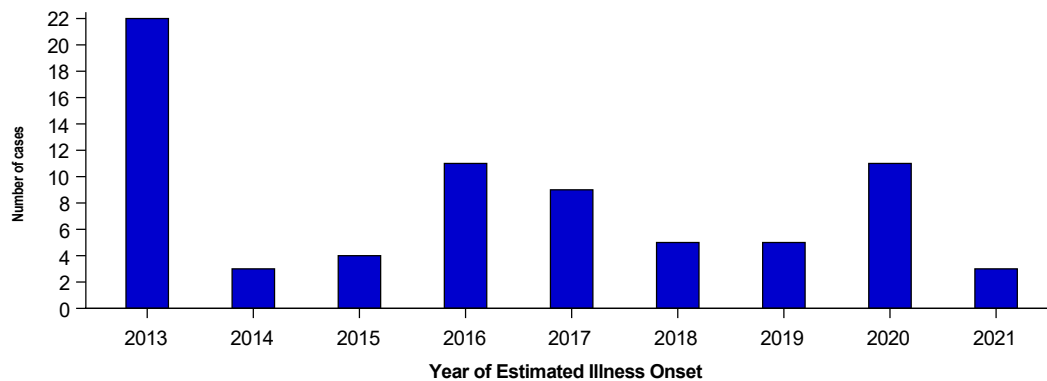
\*Potentially unreliable rate: relative standard error 23 percent or more.

Hemolytic Uremic Syndrome (HUS) without evidence of Shiga toxin-producing E. coli (STEC), Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	22	3	4	11	9	5	5	11	3	
WHITE, NON-HISPANIC	13	1	1	7	4	2	2	5	2	
HISPANIC/LATINO	3	1	2	0	3	1	0	2	1	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	1	0	0	0	0	0	1	2	0	
BLACK, NON-HISPANIC	1	0	0	0	1	0	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
OTHER, NON-HISPANIC	0	0	0	0	0	0	0	1	0	
UNKNOWN	4	1	1	4	1	2	2	1	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

**Hemolytic Uremic Syndrome (HUS) without evidence of Shiga toxin-producing E. coli (STEC) Cases by Year of Estimated Illness Onset, California, 2013-2021**



# Shigellosis

## Shigellosis, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
<b>CALIFORNIA TOTAL</b>	1,075	2.8	1,644	4.2	2,198	5.6	2,076	5.3	2,655	6.7	3,442	8.7	3,456	8.7	1,796	4.5	2,581	6.5
<b>ALAMEDA COUNTY TOTAL</b>	55	3.5	81	5.1	135	8.3	58	3.5	144	8.7	183	11.0	142	8.5	75	4.5	105	6.3
ALAMEDA	52	3.6	74	5.0	128	8.6	51	3.4	131	8.6	175	11.4	135	8.8	72	4.6	98	6.4
BERKELEY	3	2.6*	7	5.9*	7	5.9*	7	5.8*	13	10.7*	8	6.6*	7	5.7*	3	2.4*	7	5.8*
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	8	21.2*	0	-	1	2.6*
BUTTE	1	0.5*	0	-	3	1.3*	5	2.2*	4	1.8*	0	-	0	-	0	-	2	0.9*
CALAVERAS	0	-	1	2.2*	0	-	0	-	2	4.5*	0	-	1	2.3*	1	2.3*	1	2.3*
COLUSA	0	-	0	-	0	-	0	-	1	4.5*	0	-	0	-	0	-	0	-
CONTRA COSTA	22	2.0	31	2.8	30	2.7	33	2.9	70	6.2	104	9.1	81	7.1	38	3.3	59	5.1
DEL NORTE	0	-	0	-	1	3.7*	0	-	1	3.8*	1	3.7*	0	-	0	-	0	-
EL DORADO	2	1.1*	1	0.5*	5	2.7*	0	-	8	4.3*	3	1.6*	2	1.1*	3	1.6*	4	2.1*
FRESNO	23	2.4	39	4.0	86	8.8	110	11.1	72	7.2	76	7.5	66	6.5	50	4.9	62	6.1
GLENN	1	3.5*	2	7.1*	0	-	1	3.5*	1	3.5*	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	1	0.7*	2	1.5*	1	0.7*	5	3.7*	3	2.2*	1	0.8*	0	-
IMPERIAL	27	15.0	28	15.3	29	15.7	19	10.2	41	21.9	22	11.7	44	23.3	17	9.0*	47	24.5
INYO	0	-	2	10.7*	0	-	0	-	0	-	1	5.4*	0	-	0	-	0	-
KERN	16	1.8*	12	1.4*	23	2.6	65	7.3	56	6.3	53	5.9	43	4.7	38	4.2	40	4.3
KINGS	0	-	0	-	1	0.7*	2	1.3*	0	-	2	1.3*	7	4.6*	3	1.9*	3	1.9*
LAKE	0	-	0	-	1	1.5*	2	3.1*	4	6.2*	0	-	2	3.1*	1	1.6*	1	1.6*
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
<b>LOS ANGELES COUNTY TOTAL</b>	255	2.5	384	3.8	534	5.3	630	6.2	771	7.5	1,053	10.3	1,127	11.0	630	6.2	716	7.0
LOS ANGELES	230	2.4	352	3.7	505	5.3	582	6.1	727	7.6	972	10.2	1,040	10.9	586	6.1	661	7.0
LONG BEACH	23	4.9	26	5.5	25	5.3	42	8.9	36	7.6	72	15.2	79	16.7	43	9.3	47	10.2
PASADENA	2	1.4*	6	4.2*	4	2.8*	6	4.2*	8	5.6*	9	6.2*	8	5.5*	1	0.7*	8	5.8*
MADERA	7	4.6*	5	3.3*	9	5.8*	7	4.5*	5	3.2*	12	7.6*	5	3.2*	0	-	2	1.2*
MARIN	7	2.7*	10	3.8*	23	8.8	26	9.9	31	11.8	27	10.3	30	11.5	13	5.0*	17	6.6*
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	1	5.6*	0	-	0	-
MENDOCINO	0	-	1	1.1*	4	4.5*	1	1.1*	1	1.1*	5	5.7*	3	3.4*	3	3.4*	5	5.7*
MERCED	39	14.8	0	-	7	2.6*	7	2.6*	11	4.0*	8	2.9*	7	2.5*	7	2.5*	7	2.4*
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	10.7*
MONO	1	7.2*	0	-	0	-	1	7.3*	0	-	0	-	0	-	1	7.4*	0	-
MONTEREY	19	4.5	25	5.8	15	3.5*	28	6.4	13	3.0*	30	6.8	31	7.0	11	2.5*	22	4.9
NAPA	4	2.9*	7	5.0*	11	7.8*	6	4.2*	12	8.5*	12	8.5*	12	8.6*	9	6.5*	7	5.0*
NEVADA	0	-	0	-	4	4.1*	2	2.0*	2	2.0*	1	1.0*	2	2.0*	0	-	2	2.0*
ORANGE	69	2.2	84	2.7	66	2.1	74	2.3	92	2.9	184	5.8	181	5.7	76	2.4	138	4.3
PLACER	1	0.3*	5	1.4*	15	4.0*	16	4.2*	17	4.4*	11	2.8*	13	3.3*	5	1.3*	8	2.0*
PLUMAS	0	-	0	-	0	-	0	-	1	5.4*	1	5.5*	0	-	0	-	0	-
RIVERSIDE	35	1.5	83	3.6	71	3.1	79	3.4	116	4.9	148	6.1	152	6.3	95	3.9	169	6.8
SACRAMENTO	17	1.2*	17	1.2*	75	5.0	34	2.3	91	6.0	78	5.1	105	6.8	51	3.3	61	3.9
SAN BENITO	2	3.5*	2	3.5*	2	3.4*	0	-	4	6.7*	1	1.6*	7	11.3*	1	1.6*	3	4.9*
SAN BERNARDINO	10	0.5*	24	1.1	48	2.3	45	2.1	72	3.4	102	4.7	80	3.7	49	2.2	89	4.0
SAN DIEGO	128	4.0	242	7.4	184	5.6	242	7.3	334	10.1	393	11.8	430	12.8	239	7.1	433	12.9
SAN FRANCISCO	115	13.6	287	33.5	219	25.2	101	11.5	183	20.6	283	31.7	262	29.2	120	13.3	225	25.2
SAN JOAQUIN	13	1.8*	30	4.2	189	26.0	74	10.0	39	5.2	39	5.2	55	7.2	18	2.3*	25	3.2
SAN LUIS OBISPO	4	1.5*	7	2.5*	9	3.3*	2	0.7*	8	2.9*	13	4.7*	7	2.5*	4	1.4*	8	2.9*
SAN MATEO	14	1.9*	37	4.9	37	4.8	44	5.7	68	8.8	80	10.3	71	9.1	22	2.8	35	4.5
SANTA BARBARA	15	3.4*	27	6.1	10	2.3*	17	3.8*	17	3.8*	11	2.4*	27	6.0	18	4.0*	29	6.4
SANTA CLARA	50	2.7	81	4.3	225	11.7	78	4.0	153	7.8	240	12.3	166	8.5	73	3.7	119	6.0
SANTA CRUZ	10	3.7*	8	2.9*	10	3.6*	20	7.3	12	4.4*	27	9.9	53	19.5	10	3.7*	11	4.0*
SHASTA	1	0.6*	0	-	3	1.7*	2	1.1*	0	-	3	1.7*	1	0.6*	1	0.6*	1	0.6*
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	1	2.3*	0	-	0	-	0	-	0	-
SOLANO	10	2.4*	12	2.8*	17	4.0*	41	9.5	31	7.1	30	6.8	54	12.3	7	1.6*	24	5.4
SONOMA	33	6.7	11	2.2*	10	2.0*	12	2.4*	35	7.0	71	14.2	51	10.3	25	5.1	17	3.4*
STANISLAUS	24	4.5	19	3.6	20	3.7	134	24.7	53	9.7	44	8.0	31	5.6	17	3.1*	24	4.3
SUTTER	2	2.1*	7	7.3*	5	5.2*	2	2.0*	1	1.0*	1	1.0*	1	1.0*	2	2.0*	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	1	1.5*	2	3.1*	1	1.6*
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	17	3.7*	5	1.1*	20	4.3	10	2.1*	9	1.9*	5	1.1*	12	2.5*	5	1.0*	15	3.1*
TUOLUMNE	1	1.8*	1	1.9*	1	1.9*	0	-	3	5.7*	2	3.8*	0	-	0	-	0	-
VENTURA	20	2.4	17	2.0*	23	2.7	31	3.7	57	6.7	67	7.9	58	6.9	51	6.1	33	3.9
YOLO	3	1.4*	8	3.8*	15	7.1*	12	5.6*	7	3.2*	10	4.5*	17	7.7*	4	1.8*	9	4.0*
YUBA	2	2.7*	1	1.4*	2	2.7*	1	1.3*	0	-	0	-	4	5.1*	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.



## Shigellosis

### Shigellosis, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	1,075	1,644	2,198	2,076	2,655	3,442	3,456	1,796	2,581	
JANUARY	60	62	123	145	175	223	286	254	106	
FEBRUARY	47	84	103	119	167	184	212	158	119	
MARCH	52	55	119	113	149	177	254	130	133	
APRIL	64	74	98	117	158	214	201	66	174	
MAY	49	99	143	107	194	252	273	84	226	
JUNE	107	85	144	160	186	258	266	96	201	
JULY	144	142	189	217	254	374	380	144	260	
AUGUST	143	190	214	272	321	410	379	188	250	
SEPTEMBER	115	240	220	237	294	395	298	226	288	
OCTOBER	136	207	436	226	302	329	363	219	298	
NOVEMBER	80	167	247	195	247	376	278	148	281	
DECEMBER	78	239	162	168	208	250	266	83	245	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Shigellosis, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	1,075	2.8	1,644	4.2	2,198	5.6	2,076	5.3	2,655	6.7	3,442	8.7	3,456	8.7	1,796	4.5	2,581	6.5
FEMALE	388	2.0	610	3.1	880	4.5	767	3.9	1,013	5.1	1,302	6.6	1,280	6.4	574	2.9	824	4.1
MALE	594	3.1	895	4.6	1,316	6.8	1,305	6.7	1,634	8.3	2,136	10.8	2,170	10.9	1,215	6.1	1,749	8.8
UNKNOWN	93	-	139	-	2	-	4	-	8	-	4	-	6	-	7	-	8	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Shigellosis, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	1,075	2.8	1,644	4.2	2,198	5.6	2,076	5.3	2,655	6.7	3,442	8.7	3,456	8.7	1,796	4.5	2,581	6.5
0	6	1.2*	8	1.6*	7	1.4*	9	1.8*	11	2.3*	15	3.3*	12	2.7*	5	1.1*	10	2.3*
1-4	157	7.8	162	8.1	197	9.8	181	9.1	208	10.5	226	11.5	213	11.1	126	6.8	131	7.2
5-9	162	6.3	178	6.9	192	7.4	201	7.8	190	7.4	186	7.3	172	6.8	81	3.2	94	3.8
10-14	52	2.0	61	2.4	86	3.4	84	3.3	95	3.7	112	4.3	99	3.8	61	2.4	74	2.9
15-24	95	1.7	155	2.7	237	4.1	212	3.6	264	4.6	334	5.8	325	5.7	176	3.1	266	4.7
25-34	159	3.0	254	4.8	406	7.7	381	7.3	485	9.3	710	13.7	674	13.0	357	6.9	543	10.4
35-44	141	2.7	248	4.8	309	6.0	269	5.2	362	7.0	530	10.1	537	10.2	302	5.7	453	8.6
45-54	143	2.7	277	5.3	369	7.0	314	6.0	448	8.6	550	10.6	549	10.8	286	5.7	361	7.2
55-64	87	2.0	168	3.7	241	5.2	243	5.1	309	6.4	429	8.8	512	10.4	245	5.0	380	7.7
65+	64	1.3	131	2.6	152	2.9	180	3.3	279	4.9	345	5.9	359	5.9	156	2.5	260	4.0
UNKNOWN	9	-	2	-	2	-	2	-	4	-	5	-	4	-	1	-	9	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

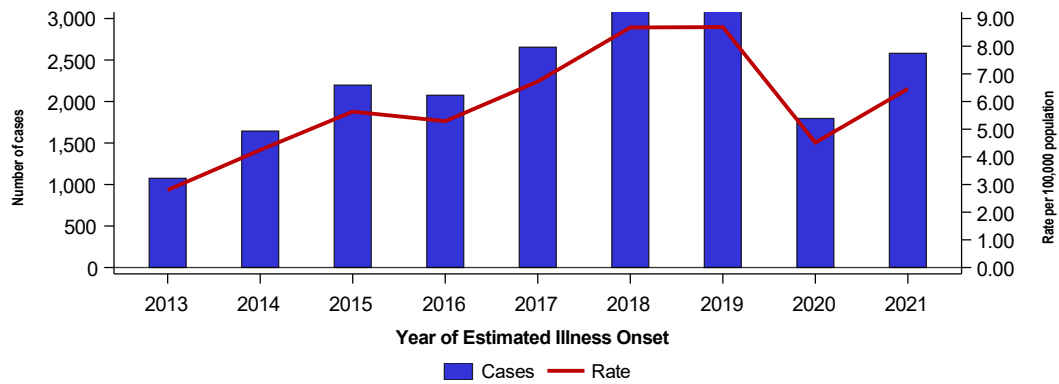
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Shigellosis, Cases by Race/Ethnicity, California, 2013-2021

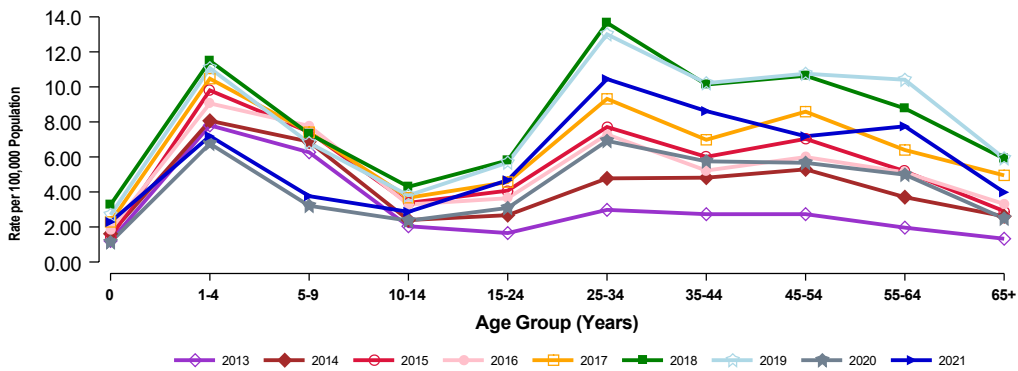
RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	1,075	1,644	2,198	2,076	2,655	3,442	3,456	1,796	2,581	
WHITE, NON-HISPANIC	313	575	731	785	972	1,221	1,152	577	823	
HISPANIC/LATINO	491	612	868	791	975	1,213	1,342	681	1,021	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	39	86	86	78	151	218	204	88	107	
BLACK, NON-HISPANIC	48	84	191	179	179	252	209	164	202	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	6	3	8	4	10	9	5	3	6	
MULTIPLE RACE, NON-HISPANIC	2	8	8	11	12	22	35	15	19	
OTHER, NON-HISPANIC	8	13	20	59	140	162	167	89	149	
UNKNOWN	168	263	286	169	216	345	342	179	254	

For inclusion/exclusion criteria, please refer to the Technical Notes.

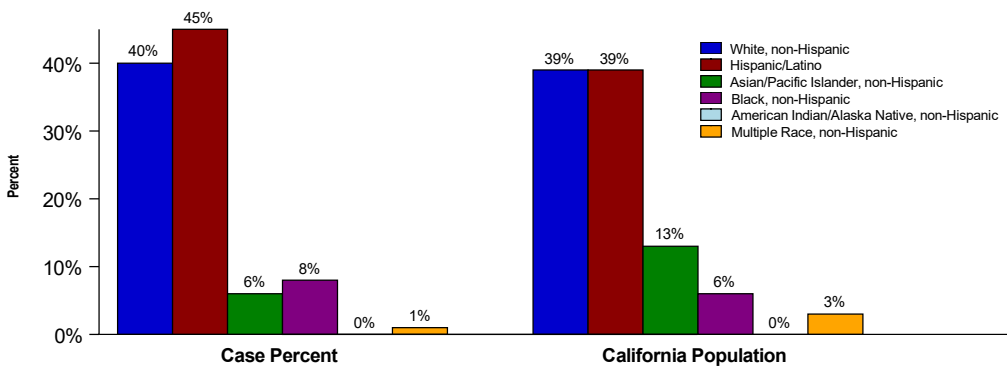
### Shigellosis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021



### Shigellosis Incidence Rates by Age Group and Year of Estimated Illness Onset, California, 2013-2021



### Shigellosis Cases and Population by Race/Ethnicity, California, 2013-2021



10.6% (n=2222) of reported incidents of Shigellosis did not identify race/ethnicity and 3.9% (n=807) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

## Spotted Fever Rickettsiosis

### Spotted Fever Rickettsiosis, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	17	0.0*	11	0.0*	11	0.0*	15	0.0*	15	0.0*	14	0.0*	16	0.0*	2	0.0*	8	0.0*
ALAMEDA COUNTY TOTAL	1	0.1*	1	0.1*	1	0.1*	4	0.2*	4	0.2*	1	0.1*	3	0.2*	0	-	1	0.1*
ALAMEDA	1	0.1*	0	-	1	0.1*	3	0.2*	4	0.3*	0	-	1	0.1*	0	-	1	0.1*
BERKELEY	0	-	1	0.8*	0	-	1	0.8*	0	-	1	0.8*	2	1.6*	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	1	2.7*	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	0	-	0	-	0	-	1	0.1*	0	-	1	0.1*	1	0.1*	0	-	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	1	0.5*	0	-	0	-	0	-	0	-	1	0.5*
FRESNO	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-	1	0.1*
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
IMPERIAL	0	-	2	1.1*	1	0.5*	0	-	0	-	1	0.5*	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	1	0.1*	1	0.1*	0	-	0	-	0	-	0	-	0	-
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	1	1.5*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	2	0.0*	1	0.0*	0	-	2	0.0*	4	0.0*	1	0.0*	1	0.0*	0	-	2	0.0*
LOS ANGELES	2	0.0*	0	-	0	-	1	0.0*	3	0.0*	1	0.0*	1	0.0*	0	-	2	0.0*
LONG BEACH	0	-	1	0.2*	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-
PASADENA	0	-	0	-	0	-	1	0.7*	0	-	0	-	0	-	0	-	0	-
MADERA	0	-	0	-	1	0.6*	0	-	0	-	1	0.6*	0	-	0	-	0	-
MARIN	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*	0	-	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	1	1.1*	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	1	0.2*	1	0.2*	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-
NAPA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	0	-	1	0.0*	2	0.1*	0	-	0	-	0	-	2	0.1*	0	-	1	0.0*
PLACER	0	-	0	-	0	-	1	0.3*	0	-	1	0.3*	1	0.3*	1	0.3*	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	1	0.0*	1	0.0*	0	-	0	-	2	0.1*	2	0.1*	0	-	0	-	0	-
SACRAMENTO	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	0	-	0	-	1	0.0*	0	-	1	0.0*	1	0.0*	2	0.1*	0	-	0	-
SAN DIEGO	4	0.1*	2	0.1*	2	0.1*	2	0.1*	3	0.1*	1	0.0*	1	0.0*	1	0.0*	1	0.0*
SAN FRANCISCO	3	0.4*	0	-	0	-	0	-	1	0.1*	2	0.2*	0	-	0	-	0	-
SAN JOAQUIN	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN LUIS OBISPO	0	-	1	0.4*	0	-	0	-	0	-	0	-	1	0.4*	0	-	0	-
SAN MATEO	1	0.1*	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-
SANTA BARBARA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CLARA	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	1	0.1*
SANTA CRUZ	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SHASTA	1	0.6*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-
SONOMA	0	-	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-	0	-
STANISLAUS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SUTTER	1	1.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	1	0.1*	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-
YOLO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

## Spotted Fever Rickettsiosis

### Spotted Fever Rickettsiosis, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	17	11	11	15	15	14	16	2	8	
JANUARY	0	1	0	2	2	0	0	0	0	
FEBRUARY	1	0	0	1	1	0	1	0	1	
MARCH	0	0	2	0	0	2	0	1	0	
APRIL	1	0	1	0	1	2	2	0	0	
MAY	0	3	2	1	2	3	1	0	2	
JUNE	4	1	2	0	1	1	1	0	0	
JULY	1	3	1	2	1	3	3	0	3	
AUGUST	7	1	1	4	0	0	1	0	0	
SEPTEMBER	1	1	1	1	3	2	2	1	2	
OCTOBER	1	0	0	4	1	1	3	0	0	
NOVEMBER	1	1	0	0	2	0	1	0	0	
DECEMBER	0	0	1	0	1	0	1	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Spotted Fever Rickettsiosis, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	17	0.0*	11	0.0*	11	0.0*	15	0.0*	15	0.0*	14	0.0*	16	0.0*	2	0.0*	8	0.0*
FEMALE	6	0.0*	5	0.0*	4	0.0*	6	0.0*	5	0.0*	5	0.0*	6	0.0*	1	0.0*	3	0.0*
MALE	9	0.0*	6	0.0*	7	0.0*	9	0.0*	10	0.1*	9	0.0*	10	0.1*	1	0.0*	5	0.0*
UNKNOWN	2	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Spotted Fever Rickettsiosis, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	17	0.0*	11	0.0*	11	0.0*	15	0.0*	15	0.0*	14	0.0*	16	0.0*	2	0.0*	8	0.0*
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	0	-	0	-	0	-	0	-	0	-	0	-	2	0.1*	0	-	1	0.0*
10-14	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-	1	0.0*
15-24	1	0.0*	1	0.0*	4	0.1*	1	0.0*	0	-	2	0.0*	0	-	0	-	0	-
25-34	2	0.0*	1	0.0*	3	0.1*	4	0.1*	3	0.1*	3	0.1*	1	0.0*	0	-	0	-
35-44	2	0.0*	2	0.0*	1	0.0*	2	0.0*	3	0.1*	1	0.0*	1	0.0*	1	0.0*	0	-
45-54	4	0.1*	1	0.0*	1	0.0*	2	0.0*	1	0.0*	1	0.0*	1	0.0*	0	-	0	-
55-64	7	0.2*	2	0.0*	1	0.0*	3	0.1*	2	0.0*	5	0.1*	3	0.1*	1	0.0*	1	0.0*
65+	1	0.0*	4	0.1*	1	0.0*	3	0.1*	5	0.1*	2	0.0*	8	0.1*	0	-	5	0.1*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

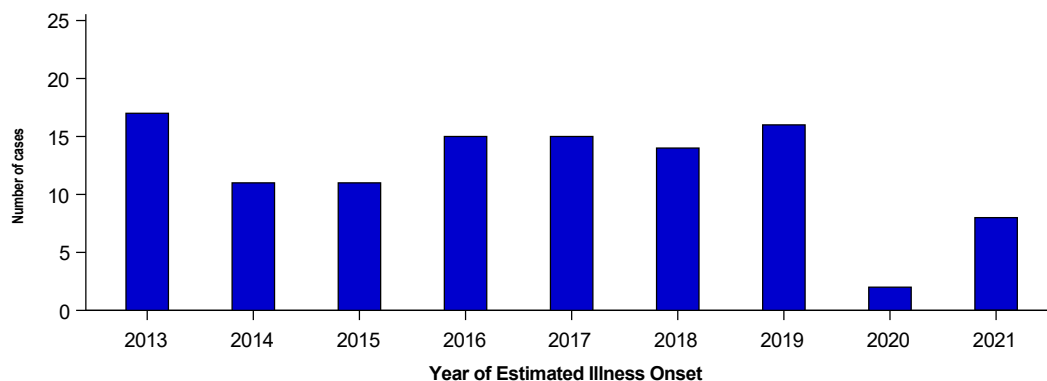
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Spotted Fever Rickettsiosis, Cases by Race/Ethnicity, California, 2013-2021

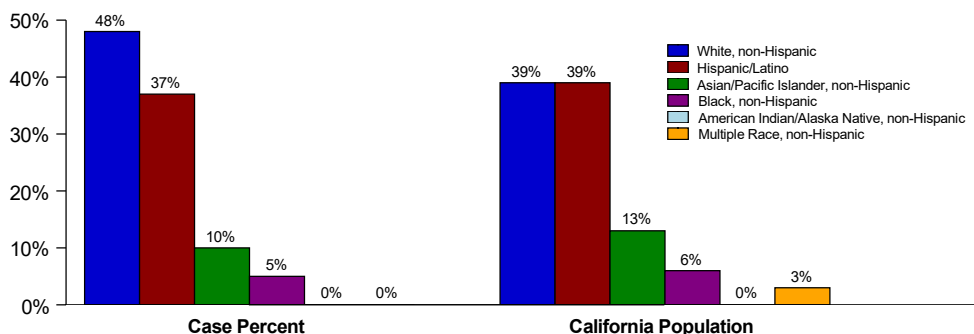
RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	17	11	11	15	15	14	16	2	8	
WHITE, NON-HISPANIC	6	3	4	6	4	3	7	1	1	
HISPANIC/LATINO	5	5	4	0	5	3	3	0	2	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	1	0	0	2	1	0	2	0	1	
BLACK, NON-HISPANIC	1	1	0	0	1	1	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
OTHER, NON-HISPANIC	0	0	0	1	1	1	0	0	0	
UNKNOWN	4	2	3	6	3	6	4	1	4	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Spotted Fever Rickettsiosis Cases by Year of Estimated Illness Onset, California, 2013-2021



### Spotted Fever Rickettsiosis Cases and Population by Race/Ethnicity, California, 2013-2021



30.3% (n=33) of reported incidents of Spotted Fever Rickettsiosis did not identify race/ethnicity and 2.8% (n=3) of incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

# Trichinosis

## Trichinosis, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	2	0.0*	3	0.0*	0		8	0.0*	8	0.0*	0		0		1	0.0*	0	-
ALAMEDA COUNTY TOTAL	0	-	0	-	0		8	0.5*	3	0.2*	0		0		0	-	0	-
ALAMEDA	0	-	0	-	0		8	0.5*	2	0.1*	0		0		0	-	0	-
BERKELEY	0	-	0	-	0		0	-	1	0.8*	0		0		0	-	0	-
ALPINE	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
AMADOR	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
BUTTE	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
CALAVERAS	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
COLUSA	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
CONTRA COSTA	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
DEL NORTE	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
EL DORADO	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
FRESNO	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
GLENN	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
HUMBOLDT	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
IMPERIAL	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
INYO	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
KERN	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
KINGS	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
LAKE	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
LASSEN	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
LOS ANGELES COUNTY TOTAL	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
LOS ANGELES	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
LONG BEACH	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
PASADENA	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
MADERA	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
MARIN	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
MARIPOSA	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
MENDOCINO	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
MERCED	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
MODOC	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
MONO	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
MONTEREY	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
NAPA	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
NEVADA	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
ORANGE	0	-	1	0.0*	0		0	-	0	-	0		0		0	-	0	-
PLACER	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
PLUMAS	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
RIVERSIDE	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
SACRAMENTO	0	-	1	0.1*	0		0	-	5	0.3*	0		0		0	-	0	-
SAN BENITO	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
SAN BERNARDINO	0	-	1	0.0*	0		0	-	0	-	0		0		0	-	0	-
SAN DIEGO	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
SAN FRANCISCO	0	-	0	-	0		0	-	0	-	0		0		1	0.1*	0	-
SAN JOAQUIN	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
SAN LUIS OBISPO	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
SAN MATEO	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
SANTA BARBARA	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
SANTA CLARA	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
SANTA CRUZ	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
SHASTA	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
SIERRA	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
SISKIYOU	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
SOLANO	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
SONOMA	1	0.2*	0	-	0		0	-	0	-	0		0		0	-	0	-
STANISLAUS	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
SUTTER	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
TEHAMA	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
TRINITY	1	7.3*	0	-	0		0	-	0	-	0		0		0	-	0	-
TULARE	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
TUOLUMNE	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
VENTURA	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
YOLO	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-
YUBA	0	-	0	-	0		0	-	0	-	0		0		0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

## Trichinosis

### Trichinosis, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	2	3	0	8	8	0	0	1	0	
JANUARY	0	0	0	0	3	0	0	0	0	
FEBRUARY	0	0	0	0	0	0	0	0	0	
MARCH	0	0	0	0	1	0	0	0	0	
APRIL	0	0	0	0	3	0	0	0	0	
MAY	0	2	0	0	1	0	0	0	0	
JUNE	0	0	0	0	0	0	0	0	0	
JULY	0	0	0	0	0	0	0	0	0	
AUGUST	0	0	0	0	0	0	0	1	0	
SEPTEMBER	0	0	0	0	0	0	0	0	0	
OCTOBER	0	1	0	0	0	0	0	0	0	
NOVEMBER	2	0	0	0	0	0	0	0	0	
DECEMBER	0	0	0	8	0	0	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Trichinosis, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	2	0.0*	3	0.0*	0	-	8	0.0*	8	0.0*	0	-	0	-	1	0.0*	0	-
FEMALE	1	0.0*	1	0.0*	0	-	0	-	1	0.0*	0	-	0	-	1	0.0*	0	-
MALE	1	0.0*	2	0.0*	0	-	8	0.0*	7	0.0*	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Trichinosis, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	2	0.0*	3	0.0*	0	-	8	0.0*	8	0.0*	0	-	0	-	1	0.0*	0	-
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
10-14	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
15-24	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
25-34	0	-	1	0.0*	0	-	0	-	3	0.1*	0	-	0	-	0	-	0	-
35-44	0	-	0	-	0	-	1	0.0*	1	0.0*	0	-	0	-	1	0.0*	0	-
45-54	1	0.0*	1	0.0*	0	-	1	0.0*	1	0.0*	0	-	0	-	0	-	0	-
55-64	0	-	1	0.0*	0	-	6	0.1*	1	0.0*	0	-	0	-	0	-	0	-
65+	0	-	0	-	0	-	0	-	2	0.0*	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

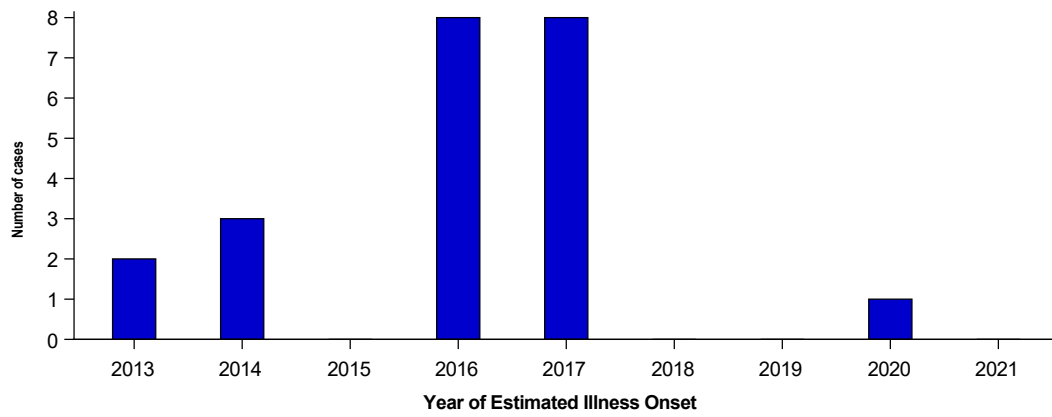
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Trichinosis, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	2	3	0	8	8	0	0	1	0	
WHITE, NON-HISPANIC	0	1	0	0	3	0	0	0	0	
HISPANIC/LATINO	0	0	0	0	1	0	0	1	0	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	0	2	0	8	2	0	0	0	0	
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	1	0	0	0	0	
OTHER, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
UNKNOWN	2	0	0	0	1	0	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Trichinosis Cases by Year of Estimated Illness Onset, California, 2013-2021





# Tularemia

## Tularemia, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	2	0.0*	0	-	2	0.0*	2	0.0*	5	0.0*	4	0.0*	4	0.0*	4	0.0*	2	0.0*
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	1	0.1*	1	0.1*	0	-	1	0.1*	0	-	0	-
ALAMEDA	0	-	0	-	0	-	1	0.1*	1	0.1*	0	-	1	0.1*	0	-	0	-
BERKELEY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	2	0.2*	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	1	0.5*	0	-	0	-	0	-	0	-	0	-	0	-
FRESNO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	1	3.5*	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	1	0.7*	0	-	0	-	0	-	0	-
IMPERIAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	1	1.6*	1	1.5*	1	1.5*	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-
LOS ANGELES	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-
LONG BEACH	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	0	-	0	-	0	-	1	0.2*	0	-	1	0.2*	0	-	0	-
NAPA	1	0.7*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PLACER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SACRAMENTO	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN DIEGO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN FRANCISCO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN JOAQUIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA BARBARA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CLARA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-
SANTA CRUZ	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*	0	-	1	0.4*
SHASTA	1	0.6*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	1	2.3*	0	-	0	-
SOLANO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SONOMA	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-	0	-	1	0.2*
STANISLAUS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
YOLO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.

## Tularemia

### Tularemia, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	2	0	2	2	5	4	4	4	2	
JANUARY	0	0	0	0	0	1	0	0	0	
FEBRUARY	1	0	0	0	0	0	0	0	0	
MARCH	0	0	0	0	1	0	0	1	0	
APRIL	0	0	0	0	0	1	0	0	0	
MAY	0	0	0	0	0	1	2	0	0	
JUNE	0	0	0	1	0	0	1	0	0	
JULY	1	0	0	0	2	1	1	0	2	
AUGUST	0	0	2	0	1	0	0	0	0	
SEPTEMBER	0	0	0	0	0	0	0	1	0	
OCTOBER	0	0	0	0	0	0	0	2	0	
NOVEMBER	0	0	0	0	0	0	0	0	0	
DECEMBER	0	0	0	1	1	0	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Tularemia, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	2	0.0*	0	-	2	0.0*	2	0.0*	5	0.0*	4	0.0*	4	0.0*	4	0.0*	2	0.0*
FEMALE	1	0.0*	0	-	1	0.0*	0	-	3	0.0*	2	0.0*	2	0.0*	1	0.0*	1	0.0*
MALE	1	0.0*	0	-	1	0.0*	2	0.0*	2	0.0*	2	0.0*	2	0.0*	3	0.0*	1	0.0*

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Tularemia, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	2	0.0*	0	-	2	0.0*	2	0.0*	5	0.0*	4	0.0*	4	0.0*	4	0.0*	2	0.0*
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	1	0.0*	0	-	0	-	1	0.0*	0	-	1	0.0*	2	0.1*	0	-	0	-
10-14	0	-	0	-	0	-	0	-	1	0.0*	1	0.0*	0	-	0	-	0	-
15-24	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-	1	0.0*	0	-
25-34	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*
35-44	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
45-54	0	-	0	-	0	-	0	-	1	0.0*	0	-	2	0.0*	0	-	0	-
55-64	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-	1	0.0*
65+	1	0.0*	0	-	2	0.0*	1	0.0*	2	0.0*	1	0.0*	0	-	3	0.0*	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

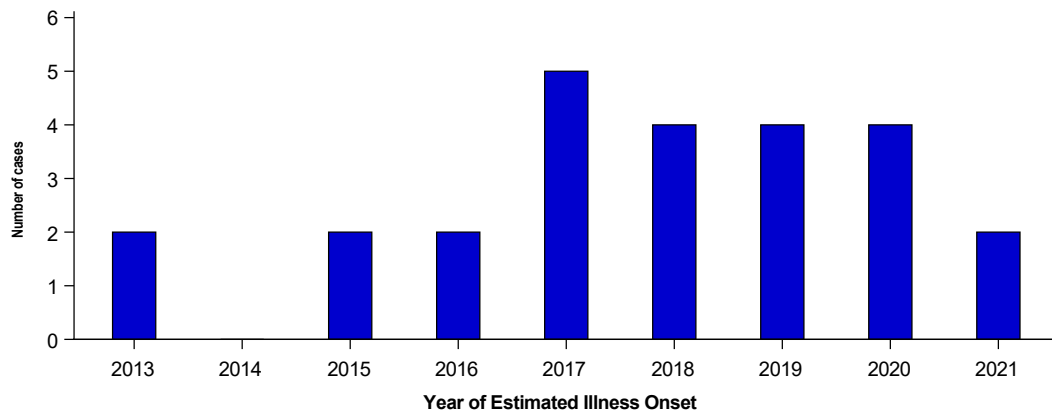
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Tularemia, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	2	0	2	2	5	4	4	4	2	
WHITE, NON-HISPANIC	2	0	2	0	1	3	1	3	1	
HISPANIC/LATINO	0	0	0	0	2	0	2	0	0	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	0	0	0	0	0	0	0	1	0	
BLACK, NON-HISPANIC	0	0	0	1	0	0	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	0	0	1	0	0	
OTHER, NON-HISPANIC	0	0	0	0	0	0	0	0	0	
UNKNOWN	0	0	0	1	2	1	0	0	1	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Tularemia Cases by Year of Estimated Illness Onset, California, 2013-2021



# Typhoid Fever

## Typhoid Fever, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
<b>CALIFORNIA TOTAL</b>	67	0.2	72	0.2	59	0.2	61	0.2	77	0.2	78	0.2	97	0.2	49	0.1	55	0.1
<b>ALAMEDA COUNTY TOTAL</b>	8	0.5*	12	0.7*	8	0.5*	9	0.5*	12	0.7*	6	0.4*	7	0.4*	7	0.4*	2	0.1*
ALAMEDA	7	0.5*	11	0.7*	7	0.5*	9	0.6*	11	0.7*	5	0.3*	7	0.5*	6	0.4*	2	0.1*
BERKELEY	1	0.9*	1	0.8*	1	0.8*	0	-	1	0.8*	1	0.8*	0	-	1	0.8*	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	5	0.5*	5	0.5*	2	0.2*	5	0.4*	0	-	8	0.7*	7	0.6*	3	0.3*	3	0.3*
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
FRESNO	1	0.1*	0	-	1	0.1*	0	-	1	0.1*	6	0.6*	1	0.1*	0	-	1	0.1*
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
IMPERIAL	0	-	0	-	0	-	0	-	0	-	0	-	1	0.5*	1	0.5*	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	3	0.3*	0	-	0	-	0	-	2	0.2*	1	0.1*	1	0.1*	0	-	0	-
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
<b>LOS ANGELES COUNTY TOTAL</b>	17	0.2*	18	0.2*	13	0.1*	11	0.1*	9	0.1*	13	0.1*	27	0.3	12	0.1*	15	0.1*
LOS ANGELES	17	0.2*	15	0.2*	13	0.1*	11	0.1*	8	0.1*	13	0.1*	26	0.3	11	0.1*	14	0.1*
LONG BEACH	0	-	3	0.6*	0	-	0	-	0	-	0	-	1	0.2*	1	0.2*	0	-
PASADENA	0	-	0	-	0	-	0	-	1	0.7*	0	-	0	-	0	-	1	0.7*
MADERA	0	-	0	-	0	-	1	0.6*	2	1.3*	0	-	0	-	0	-	0	-
MARIN	0	-	1	0.4*	0	-	0	-	1	0.4*	0	-	0	-	0	-	0	-
MARIPOSA	0	-	0	-	0	-	1	5.5*	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-
NAPA	0	-	0	-	0	-	1	0.7*	0	-	0	-	0	-	0	-	0	-
NEVADA	1	1.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.0*
ORANGE	3	0.1*	3	0.1*	3	0.1*	4	0.1*	7	0.2*	3	0.1*	7	0.2*	1	0.0*	3	0.1*
PLACER	0	-	0	-	1	0.3*	0	-	0	-	1	0.3*	0	-	1	0.3*	2	0.5*
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	1	0.0*	0	-	1	0.0*	3	0.1*	1	0.0*	0	-	2	0.1*
SACRAMENTO	7	0.5*	2	0.1*	1	0.1*	2	0.1*	4	0.3*	6	0.4*	5	0.3*	5	0.3*	7	0.4*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	1	0.0*	2	0.1*	1	0.0*	1	0.0*	2	0.1*	2	0.1*	2	0.1*	0	-	3	0.1*
SAN DIEGO	3	0.1*	3	0.1*	5	0.2*	5	0.2*	2	0.1*	4	0.1*	5	0.1*	4	0.1*	9	0.3*
SAN FRANCISCO	0	-	0	-	1	0.1*	3	0.3*	3	0.3*	3	0.3*	4	0.4*	1	0.1*	1	0.1*
SAN JOAQUIN	1	0.1*	1	0.1*	2	0.3*	2	0.3*	4	0.5*	7	0.9*	0	-	2	0.3*	1	0.1*
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	1	0.4*	0	-	0	-	0	-
SAN MATEO	1	0.1*	1	0.1*	2	0.3*	2	0.3*	1	0.1*	1	0.1*	4	0.5*	0	-	2	0.3*
SANTA BARBARA	0	-	1	0.2*	2	0.5*	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CLARA	15	0.8*	17	0.9*	15	0.8*	9	0.5*	18	0.9*	12	0.6*	19	1.0	9	0.5*	3	0.2*
SANTA CRUZ	0	-	0	-	1	0.4*	0	-	0	-	0	-	0	-	0	-	0	-
SHASTA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	0	-	2	0.5*	0	-	1	0.2*	1	0.2*	0	-	1	0.2*	1	0.2*	0	-
SONOMA	0	-	0	-	0	-	1	0.2*	1	0.2*	0	-	1	0.2*	0	-	0	-
STANISLAUS	0	-	0	-	0	-	1	0.2*	0	-	0	-	2	0.4*	0	-	0	-
SUTTER	0	-	3	3.1*	0	-	2	2.0*	0	-	0	-	1	1.0*	1	1.0*	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	1	0.2*	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	1	0.1*	0	-	0	-	0	-	4	0.5*	1	0.1*	0	-	0	-	0	-
YOLO	0	-	0	-	0	-	0	-	1	0.5*	0	-	0	-	1	0.5*	0	-
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.

## Typhoid Fever

### Typhoid Fever, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	67	72	59	61	77	78	97	49	55	
JANUARY	6	8	6	11	13	5	14	15	1	
FEBRUARY	3	5	7	2	5	1	15	11	4	
MARCH	9	6	1	5	4	5	3	6	5	
APRIL	6	3	4	4	5	15	7	2	3	
MAY	6	9	6	9	2	8	6	3	12	
JUNE	10	3	3	6	8	4	13	3	6	
JULY	7	17	5	8	9	11	11	3	4	
AUGUST	7	9	9	3	8	8	13	0	6	
SEPTEMBER	4	5	1	4	9	7	6	3	6	
OCTOBER	3	4	6	2	1	2	3	2	2	
NOVEMBER	5	1	2	1	7	5	2	1	4	
DECEMBER	1	2	9	6	6	7	4	0	2	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Typhoid Fever, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	67	0.2	72	0.2	59	0.2	61	0.2	77	0.2	78	0.2	97	0.2	49	0.1	55	0.1
FEMALE	34	0.2	31	0.2	23	0.1	28	0.1	39	0.2	39	0.2	54	0.3	26	0.1	20	0.1
MALE	32	0.2	41	0.2	36	0.2	33	0.2	38	0.2	39	0.2	43	0.2	23	0.1	35	0.2
UNKNOWN	1	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Typhoid Fever, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	67	0.2	72	0.2	59	0.2	61	0.2	77	0.2	78	0.2	97	0.2	49	0.1	55	0.1
0	1	0.2*	0	-	0	-	0	-	0	-	1	0.2*	3	0.7*	0	-	0	-
1-4	10	0.5*	7	0.3*	5	0.2*	4	0.2*	13	0.7*	5	0.3*	4	0.2*	8	0.4*	1	0.1*
5-9	5	0.2*	14	0.5*	6	0.2*	6	0.2*	6	0.2*	5	0.2*	13	0.5*	4	0.2*	5	0.2*
10-14	6	0.2*	5	0.2*	5	0.2*	2	0.1*	5	0.2*	7	0.3*	11	0.4*	4	0.2*	9	0.3*
15-24	9	0.2*	9	0.2*	9	0.2*	6	0.1*	9	0.2*	16	0.3*	19	0.3	6	0.1*	11	0.2*
25-34	16	0.3*	19	0.4	16	0.3*	16	0.3*	16	0.3*	11	0.2*	23	0.4	11	0.2*	7	0.1*
35-44	7	0.1*	6	0.1*	9	0.2*	8	0.2*	8	0.2*	16	0.3*	9	0.2*	6	0.1*	10	0.2*
45-54	6	0.1*	5	0.1*	5	0.1*	12	0.2*	8	0.2*	9	0.2*	7	0.1*	5	0.1*	5	0.1*
55-64	4	0.1*	3	0.1*	1	0.0*	6	0.1*	7	0.1*	4	0.1*	5	0.1*	3	0.1*	2	0.0*
65+	3	0.1*	4	0.1*	2	0.0*	1	0.0*	5	0.1*	4	0.1*	3	0.0*	2	0.0*	5	0.1*
UNKNOWN	0	-	0	-	1	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

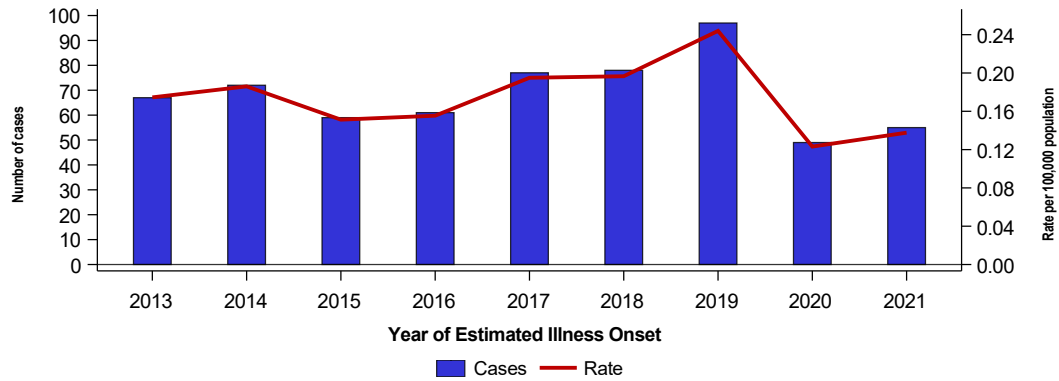
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Typhoid Fever, Cases by Race/Ethnicity, California, 2013-2021

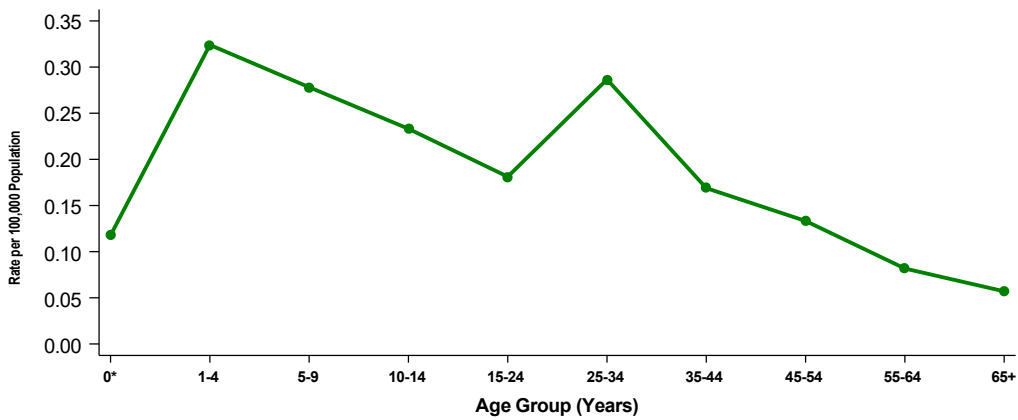
RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	67	72	59	61	77	78	97	49	55	
WHITE, NON-HISPANIC	2	3	3	3	6	3	6	2	4	
HISPANIC/LATINO	7	11	11	9	6	11	30	11	21	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	51	49	40	39	49	47	43	26	17	
BLACK, NON-HISPANIC	1	0	0	2	0	1	1	0	3	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	1	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	2	1	4	2	1	1	2	
OTHER, NON-HISPANIC	1	5	1	5	4	10	9	6	4	
UNKNOWN	5	4	2	1	8	4	7	3	4	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Typhoid Fever Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021

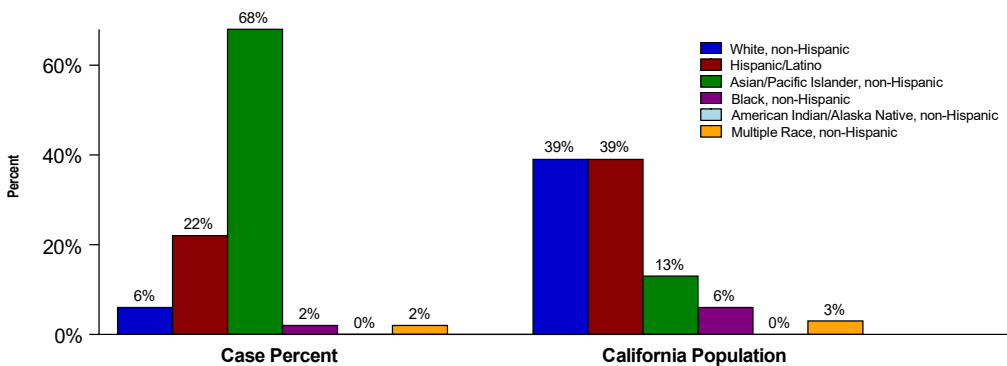


### Typhoid Fever Average Incidence Rates by Age Group, California, 2013-2021



\*Potentially unreliable rate: relative standard error 23 percent or more.

### Typhoid Fever Cases and Population by Race/Ethnicity, California, 2013-2021



6.2% (n=38) of reported incidents of Typhoid Fever did not identify race/ethnicity and 7.3% (n=45) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

# Typhus Fever

## Typhus Fever, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
<b>CALIFORNIA TOTAL</b>	108	0.3	68	0.2	81	0.2	95	0.2	98	0.2	163	0.4	139	0.3	108	0.3	209	0.5
<b>ALAMEDA COUNTY TOTAL</b>	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-
ALAMEDA	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-
BERKELEY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	1	0.1*	1	0.1*	0	-	0	-	0	-	0	-	1	0.1*	1	0.1*	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
FRESNO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
IMPERIAL	0	-	0	-	0	-	0	-	0	-	0	-	1	0.5*	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
<b>LOS ANGELES COUNTY TOTAL</b>	72	0.7	50	0.5	63	0.6	76	0.7	83	0.8	142	1.4	114	1.1	87	0.9	173	1.7
LOS ANGELES	63	0.7	41	0.4	51	0.5	45	0.5	65	0.7	104	1.1	93	1.0	75	0.8	140	1.5
LONG BEACH	6	1.3*	5	1.1*	7	1.5*	18	3.8*	10	2.1*	19	4.0	15	3.2*	11	2.4*	26	5.7
PASADENA	3	2.1*	4	2.8*	5	3.5*	13	9.1*	8	5.6*	19	13.1	6	4.1*	1	0.7*	7	5.0*
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIN	0	-	0	-	1	0.4*	0	-	0	-	0	-	0	-	0	-	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NAPA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	33	1.1	16	0.5*	15	0.5*	17	0.5*	11	0.3*	18	0.6*	18	0.6*	14	0.4*	25	0.8
PLACER	0	-	0	-	0	-	0	-	0	-	0	-	1	0.3*	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-	1	0.0*	7	0.3*
SACRAMENTO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	1	0.0*	0	-	0	-	1	0.0*	0	-	1	0.0*	1	0.0*	3	0.1*	4	0.2*
SAN DIEGO	0	-	0	-	1	0.0*	0	-	2	0.1*	1	0.0*	1	0.0*	1	0.0*	0	-
SAN FRANCISCO	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN JOAQUIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-
SANTA BARBARA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-
SANTA CLARA	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-
SANTA CRUZ	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SHASTA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SONOMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
STANISLAUS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	0	-	1	0.1*	0	-	0	-	0	-	0	-	2	0.2*	0	-	0	-
YOLO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.

## Typhus Fever

Typhus Fever, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	108	68	81	95	98	163	139	108	209	
JANUARY	7	3	6	2	2	3	6	8	4	
FEBRUARY	3	4	2	4	4	5	4	1	6	
MARCH	0	5	4	1	2	2	6	2	10	
APRIL	0	5	5	2	4	9	3	4	8	
MAY	10	8	8	4	16	14	9	4	20	
JUNE	13	6	16	13	11	15	20	7	22	
JULY	13	5	11	14	11	27	16	13	26	
AUGUST	18	12	10	12	13	24	23	12	22	
SEPTEMBER	13	6	4	15	7	21	12	19	25	
OCTOBER	16	5	9	10	12	18	15	15	18	
NOVEMBER	9	4	5	9	5	14	18	15	28	
DECEMBER	6	5	1	9	11	11	7	8	20	

For inclusion/exclusion criteria, please refer to the Technical Notes.

Typhus Fever, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	108	0.3	68	0.2	81	0.2	95	0.2	98	0.2	163	0.4	139	0.3	108	0.3	209	0.5
FEMALE	46	0.2	33	0.2	33	0.2	43	0.2	45	0.2	62	0.3	54	0.3	50	0.3	83	0.4
MALE	62	0.3	35	0.2	48	0.2	52	0.3	53	0.3	101	0.5	85	0.4	58	0.3	126	0.6

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Typhus Fever, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	108	0.3	68	0.2	81	0.2	95	0.2	98	0.2	163	0.4	139	0.3	108	0.3	209	0.5
0	1	0.2*	0	-	0	-	0	-	0	-	0	-	3	0.7*	0	-	0	-
1-4	2	0.1*	1	0.0*	1	0.0*	1	0.1*	2	0.1*	2	0.1*	0	-	3	0.2*	4	0.2*
5-9	0	-	1	0.0*	1	0.0*	5	0.2*	4	0.2*	7	0.3*	3	0.1*	5	0.2*	3	0.1*
10-14	5	0.2*	1	0.0*	3	0.1*	6	0.2*	4	0.2*	8	0.3*	5	0.2*	9	0.3*	20	0.8
15-24	12	0.2*	12	0.2*	6	0.1*	13	0.2*	16	0.3*	14	0.2*	22	0.4	5	0.1*	24	0.4
25-34	12	0.2*	6	0.1*	9	0.2*	14	0.3*	13	0.2*	25	0.5	15	0.3*	16	0.3*	29	0.6
35-44	17	0.3*	12	0.2*	19	0.4	19	0.4	14	0.3*	25	0.5	22	0.4	22	0.4	27	0.5
45-54	23	0.4	13	0.2*	20	0.4	14	0.3*	21	0.4	35	0.7	20	0.4	19	0.4	36	0.7
55-64	23	0.5	10	0.2*	13	0.3*	10	0.2*	15	0.3*	22	0.4	32	0.7	13	0.3*	37	0.8
65+	13	0.3*	12	0.2*	6	0.1*	13	0.2*	9	0.2*	25	0.4	16	0.3*	15	0.2*	29	0.4
UNKNOWN	0	-	0	-	3	-	0	-	0	-	0	-	1	-	1	-	0	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

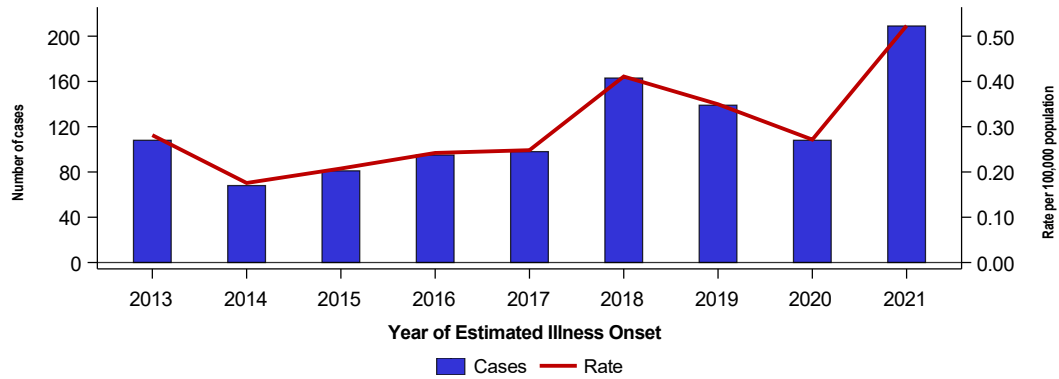
Typhus Fever, Cases by Race/Ethnicity, California, 2013-2021

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	108	68	81	95	98	163	139	108	209	
WHITE, NON-HISPANIC	58	23	35	39	36	73	43	39	57	
HISPANIC/LATINO	27	24	27	28	41	53	64	49	94	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	6	7	3	6	6	11	11	4	21	
BLACK, NON-HISPANIC	4	1	5	3	2	6	7	5	14	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	0	0	0	1	2	0	0	
MULTIPLE RACE, NON-HISPANIC	0	0	0	0	0	0	1	0	0	
OTHER, NON-HISPANIC	1	1	2	6	3	5	2	3	17	
UNKNOWN	12	12	9	13	10	14	9	8	6	

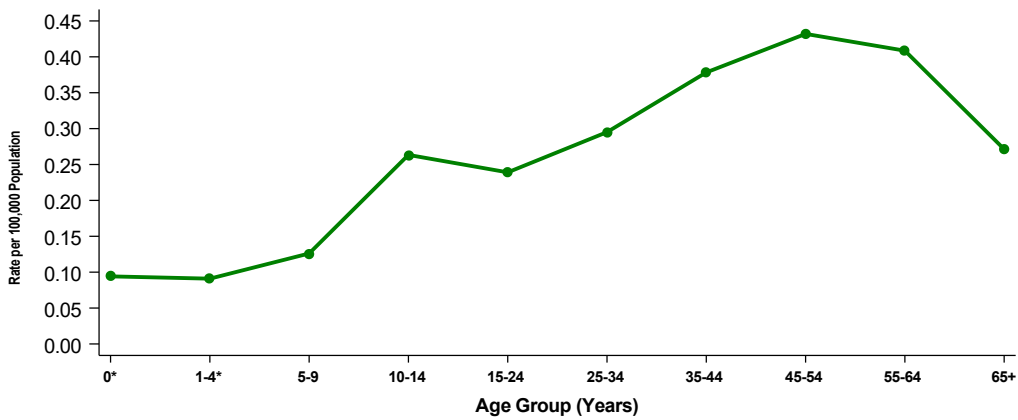
For inclusion/exclusion criteria, please refer to the Technical Notes.



### Typhus Fever Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021

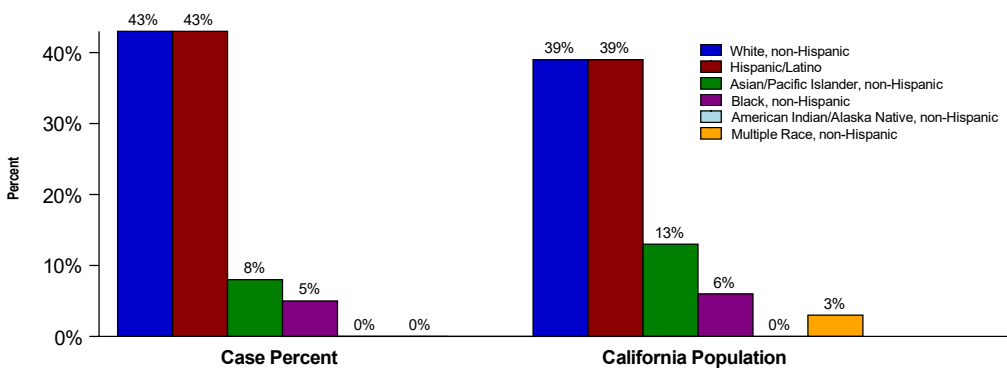


### Typhus Fever Average Incidence Rates by Age Group, California, 2013-2021



\*Potentially unreliable rate: relative standard error 23 percent or more.

### Typhus Fever Cases and Population by Race/Ethnicity, California, 2013-2021



8.7% (n=93) of reported incidents of Typhus Fever did not identify race/ethnicity and 3.7% (n=40) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

## **Yellow Fever**

No cases of Yellow Fever were reported to CDPH with illness onset during 2013-2021

# Yersiniosis

## Yersiniosis, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
<b>CALIFORNIA TOTAL</b>	78	0.2	72	0.2	127	0.3	202	0.5	275	0.7	283	0.7	334	0.8	257	0.6	358	0.9
<b>ALAMEDA COUNTY TOTAL</b>	8	0.5*	6	0.4*	7	0.4*	7	0.4*	8	0.5*	6	0.4*	5	0.3*	7	0.4*	10	0.6*
ALAMEDA	8	0.6*	6	0.4*	7	0.5*	6	0.4*	7	0.5*	6	0.4*	5	0.3*	7	0.5*	9	0.6*
BERKELEY	0	-	0	-	0	-	1	0.8*	1	0.8*	0	-	0	-	0	-	1	0.8*
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	1	2.7*	0	-	0	-	0	-	0	-
BUTTE	0	-	2	0.9*	1	0.4*	0	-	0	-	0	-	1	0.5*	0	-	0	-
CALAVERAS	0	-	0	-	1	2.2*	1	2.2*	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	3	0.3*	2	0.2*	0	-	1	0.1*	0	-	1	0.1*	5	0.4*	6	0.5*	13	1.1*
DEL NORTE	0	-	0	-	1	3.7*	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	1	0.5*	0	-	0	-	0	-	4	2.1*	1	0.5*
FRESNO	0	-	2	0.2*	7	0.7*	11	1.1*	8	0.8*	9	0.9*	3	0.3*	1	0.1*	8	0.8*
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	3.4*
HUMBOLDT	0	-	1	0.7*	0	-	0	-	1	0.7*	1	0.7*	3	2.2*	0	-	0	-
IMPERIAL	2	1.1*	1	0.5*	0	-	0	-	0	-	0	-	5	2.6*	5	2.7*	5	2.6*
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	2	0.2*	0	-	1	0.1*	10	1.1*	6	0.7*	8	0.9*	8	0.9*
KINGS	0	-	0	-	0	-	1	0.7*	0	-	1	0.7*	0	-	1	0.6*	1	0.6*
LAKE	0	-	0	-	0	-	4	6.2*	1	1.5*	2	3.1*	2	3.1*	2	3.1*	1	1.6*
LASSEN	0	-	0	-	0	-	1	3.4*	0	-	0	-	1	3.5*	1	3.5*	0	-
<b>LOS ANGELES COUNTY TOTAL</b>	6	0.1*	7	0.1*	20	0.2	44	0.4	70	0.7	89	0.9	64	0.6	34	0.3	92	0.9
LOS ANGELES	5	0.1*	3	0.0*	19	0.2	39	0.4	65	0.7	82	0.9	59	0.6	33	0.3	84	0.9
LONG BEACH	0	-	3	0.6*	1	0.2*	4	0.8*	5	1.1*	7	1.5*	5	1.1*	1	0.2*	6	1.3*
PASADENA	1	0.7*	1	0.7*	0	-	1	0.7*	0	-	0	-	0	-	0	-	2	1.4*
MADERA	0	-	0	-	0	-	1	0.6*	0	-	1	0.6*	0	-	0	-	0	-
MARIN	1	0.4*	1	0.4*	1	0.4*	3	1.1*	3	1.1*	4	1.5*	2	0.8*	3	1.2*	3	1.2*
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	1	1.1*	1	1.1*	1	1.1*	0	-	2	2.3*	3	3.4*	4	4.5*
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	3	1.1*	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	7.2*
MONTEREY	0	-	0	-	1	0.2*	2	0.5*	2	0.5*	2	0.5*	10	2.3*	13	2.9*	9	2.0*
NAPA	0	-	1	0.7*	0	-	1	0.7*	4	2.8*	0	-	2	1.4*	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	1	1.0*	0	-	1	1.0*	1	1.0*
ORANGE	9	0.3*	3	0.1*	14	0.4*	22	0.7	15	0.5*	11	0.3*	35	1.1	26	0.8	24	0.7
PLACER	1	0.3*	0	-	1	0.3*	0	-	0	-	0	-	1	0.3*	1	0.3*	3	0.8*
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	1	5.4*	0	-	0	-
RIVERSIDE	7	0.3*	3	0.1*	7	0.3*	8	0.3*	9	0.4*	9	0.4*	15	0.6*	9	0.4*	18	0.7*
SACRAMENTO	2	0.1*	1	0.1*	5	0.3*	6	0.4*	1	0.1*	2	0.1*	14	0.9*	7	0.4*	15	1.0*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	4	6.6*	3	4.8*	0	-	2	3.2*
SAN BERNARDINO	2	0.1*	3	0.1*	1	0.0*	3	0.1*	2	0.1*	9	0.4*	3	0.1*	3	0.1*	2	0.1*
SAN DIEGO	7	0.2*	13	0.4*	12	0.4*	14	0.4*	61	1.8	32	1.0	53	1.6	29	0.9	22	0.7
SAN FRANCISCO	4	0.5*	4	0.5*	6	0.7*	4	0.5*	10	1.1*	4	0.4*	7	0.8*	6	0.7*	11	1.2*
SAN JOAQUIN	8	1.1*	2	0.3*	2	0.3*	0	-	1	0.1*	2	0.3*	1	0.1*	2	0.3*	3	0.4*
SAN LUIS OBISPO	1	0.4*	1	0.4*	2	0.7*	1	0.4*	4	1.4*	3	1.1*	5	1.8*	1	0.4*	6	2.2*
SAN MATEO	3	0.4*	4	0.5*	6	0.8*	3	0.4*	15	1.9*	11	1.4*	11	1.4*	10	1.3*	14	1.8*
SANTA BARBARA	2	0.5*	0	-	5	1.1*	15	3.4*	6	1.3*	9	2.0*	6	1.3*	7	1.6*	11	2.4*
SANTA CLARA	6	0.3*	4	0.2*	4	0.2*	19	1.0	22	1.1	28	1.4	25	1.3	34	1.7	30	1.5
SANTA CRUZ	0	-	1	0.4*	0	-	1	0.4*	0	-	2	0.7*	2	0.7*	0	-	4	1.5*
SHASTA	0	-	0	-	0	-	2	1.1*	3	1.7*	2	1.1*	1	0.6*	2	1.1*	3	1.7*
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	2	4.5*	0	-	0	-	1	2.3*	1	2.3*	0	-	0	-	0	-
SOLANO	0	-	0	-	2	0.5*	1	0.2*	0	-	0	-	2	0.5*	5	1.1*	4	0.9*
SONOMA	1	0.2*	0	-	0	-	1	0.2*	0	-	1	0.2*	1	0.2*	1	0.2*	1	0.2*
STANISLAUS	2	0.4*	0	-	0	-	3	0.6*	1	0.2*	2	0.4*	0	-	2	0.4*	0	-
SUTTER	0	-	0	-	2	2.1*	1	1.0*	0	-	0	-	1	1.0*	0	-	2	2.0*
TEHAMA	0	-	0	-	2	3.2*	1	1.6*	0	-	0	-	0	-	1	1.5*	1	1.6*
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	1	0.2*	1	0.2*	0	-	1	0.2*	3	0.6*	5	1.1*	5	1.0*	7	1.5*	9	1.9*
TUOLUMNE	0	-	0	-	1	1.9*	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	1	0.1*	5	0.6*	11	1.3*	17	2.0*	21	2.5	19	2.2	23	2.7	10	1.2*	14	1.6*
YOLO	1	0.5*	2	1.0*	1	0.5*	0	-	0	-	0	-	3	1.4*	5	2.3*	1	0.4*
YUBA	0	-	0	-	1	1.3*	0	-	0	-	0	-	2	2.6*	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

## Yersiniosis

### Yersiniosis, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	78	72	127	202	275	283	334	257	358	
JANUARY	13	4	10	19	20	21	25	33	19	
FEBRUARY	7	5	6	12	15	24	20	19	22	
MARCH	4	9	8	16	22	21	24	31	24	
APRIL	9	8	13	15	27	24	35	19	33	
MAY	5	7	8	10	19	29	31	16	40	
JUNE	4	6	11	14	27	20	30	16	40	
JULY	3	3	10	28	21	27	35	24	32	
AUGUST	6	5	9	19	31	21	38	30	37	
SEPTEMBER	6	7	11	14	25	21	22	21	38	
OCTOBER	8	4	14	21	21	28	25	18	16	
NOVEMBER	8	8	10	18	24	20	29	22	29	
DECEMBER	5	6	17	16	23	27	20	8	28	

For inclusion/exclusion criteria, please refer to the Technical Notes.

### Yersiniosis, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	78	0.2	72	0.2	127	0.3	202	0.5	275	0.7	283	0.7	334	0.8	257	0.6	358	0.9
FEMALE	44	0.2	34	0.2	74	0.4	112	0.6	142	0.7	148	0.7	153	0.8	135	0.7	178	0.9
MALE	31	0.2	36	0.2	53	0.3	90	0.5	131	0.7	134	0.7	180	0.9	120	0.6	179	0.9
UNKNOWN	3	-	2	-	0	-	0	-	2	-	1	-	1	-	2	-	1	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

### Yersiniosis, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	78	0.2	72	0.2	127	0.3	202	0.5	275	0.7	283	0.7	334	0.8	257	0.6	358	0.9
0	7	1.4*	7	1.4*	6	1.2*	12	2.5*	4	0.8*	6	1.3*	11	2.5*	11	2.5*	3	0.7*
1-4	8	0.4*	9	0.4*	10	0.5*	26	1.3	15	0.8*	21	1.1	15	0.8*	15	0.8*	22	1.2
5-9	3	0.1*	4	0.2*	9	0.3*	5	0.2*	10	0.4*	10	0.4*	11	0.4*	4	0.2*	8	0.3*
10-14	7	0.3*	2	0.1*	3	0.1*	6	0.2*	8	0.3*	14	0.5*	12	0.5*	3	0.1*	5	0.2*
15-24	9	0.2*	4	0.1*	8	0.1*	15	0.3*	29	0.5	19	0.3	27	0.5	17	0.3*	22	0.4
25-34	1	0.0*	10	0.2*	11	0.2*	11	0.2*	33	0.6	27	0.5	32	0.6	26	0.5	51	1.0
35-44	9	0.2*	6	0.1*	8	0.2*	15	0.3*	29	0.6	24	0.5	30	0.6	20	0.4	32	0.6
45-54	11	0.2*	7	0.1*	20	0.4	20	0.4	28	0.5	32	0.6	38	0.7	29	0.6	29	0.6
55-64	9	0.2*	8	0.2*	22	0.5	26	0.5	40	0.8	45	0.9	53	1.1	32	0.7	54	1.1
65+	14	0.3*	15	0.3*	30	0.6	66	1.2	79	1.4	85	1.5	104	1.7	100	1.6	131	2.0
UNKNOWN	0	-	0	-	0	-	0	-	0	-	0	-	1	-	0	-	1	-

Rates are expressed as cases per 100,000 age group population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

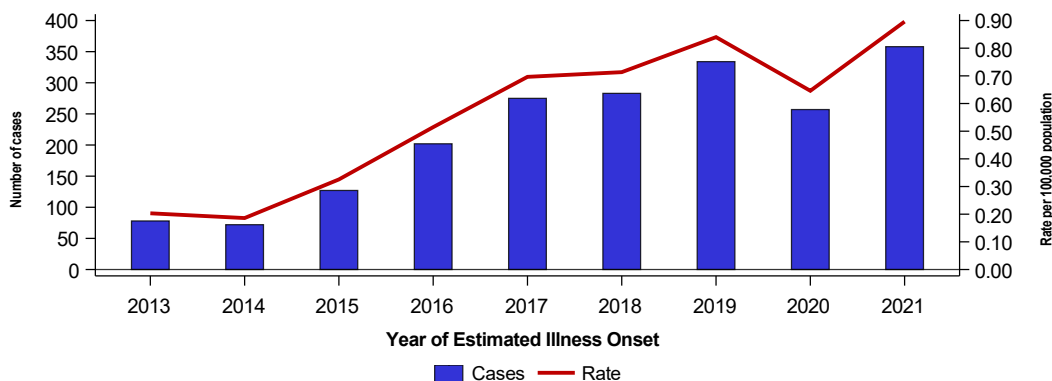
\*Potentially unreliable rate: relative standard error 23 percent or more.

### Yersiniosis, Cases by Race/Ethnicity, California, 2013-2021

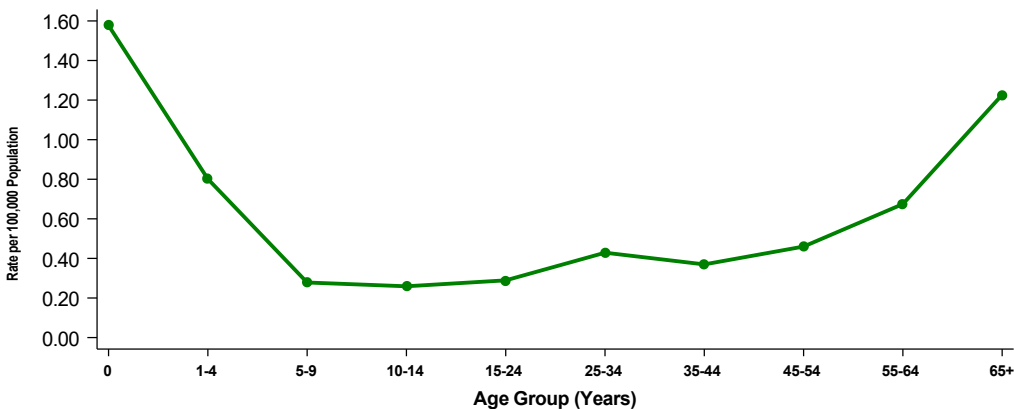
RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	78	72	127	202	275	283	334	257	358	
WHITE, NON-HISPANIC	21	20	59	76	100	112	115	106	135	
HISPANIC/LATINO	15	14	17	39	38	49	35	29	75	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	9	9	12	24	29	28	35	22	25	
BLACK, NON-HISPANIC	5	2	4	6	8	13	9	8	12	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	0	0	1	0	0	0	1	0	1	
MULTIPLE RACE, NON-HISPANIC	0	1	0	3	2	3	0	3	4	
OTHER, NON-HISPANIC	0	1	1	2	5	10	19	9	15	
UNKNOWN	28	25	33	52	93	68	120	80	91	

For inclusion/exclusion criteria, please refer to the Technical Notes.

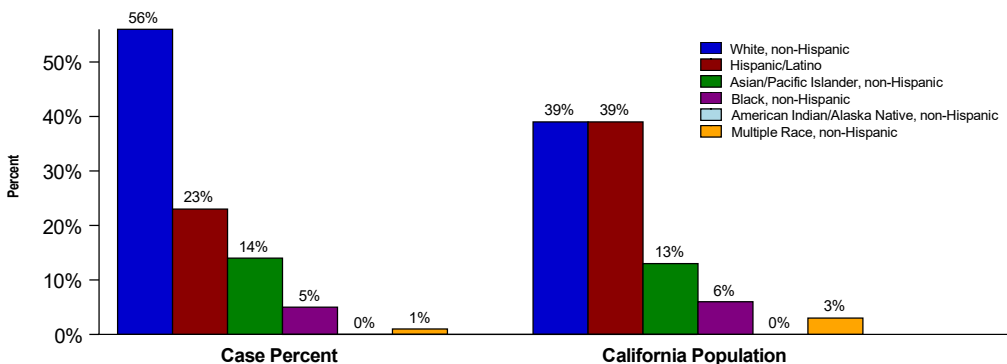
### Yersiniosis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2013-2021



### Yersiniosis Average Incidence Rates by Age Group, California, 2013-2021



### Yersiniosis Cases and Population by Race/Ethnicity, California, 2013-2021



29.7% (n=590) of reported incidents of Yersiniosis did not identify race/ethnicity and 3.1% (n=62) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

## Zika Virus Infection

### Zika Virus Infection, Cases and Rates by Health Jurisdiction, California, 2013-2021

JURISDICTION	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	-	-	-	-	-	-	427	0.3	125	0.6*	67	0.2	41	0.1	8	0.0*	4	0.0*
ALAMEDA COUNTY TOTAL	-	-	-	-	-	-	30	0.6*	10	0.6*	7	0.4*	2	0.1*	1	0.1*	0	-
ALAMEDA	-	-	-	-	-	-	27	0.5*	7	0.5*	5	0.3*	2	0.1*	1	0.1*	0	-
BERKELEY	-	-	-	-	-	-	3	2.5*	3	2.5*	2	1.6*	0	-	0	-	0	-
ALPINE	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	-	-	-	-	-	-	2	-	0	-	0	-	0	-	0	-	0	-
CALAVERAS	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	-	-	-	-	-	-	22	0.4*	4	0.4*	2	0.2*	3	0.3*	0	-	0	-
DEL NORTE	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
FRESNO	-	-	-	-	-	-	7	0.1*	1	0.1*	0	-	0	-	0	-	0	-
GLENN	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	-	-	-	-	-	-	2	-	0	-	0	-	0	-	0	-	0	-
IMPERIAL	-	-	-	-	-	-	0	-	1	0.5*	0	-	0	-	0	-	0	-
INYO	-	-	-	-	-	-	1	-	0	-	0	-	0	-	0	-	0	-
KERN	-	-	-	-	-	-	5	0.1*	1	0.1*	0	-	0	-	0	-	0	-
KINGS	-	-	-	-	-	-	1	-	0	-	0	-	0	-	0	-	0	-
LAKE	-	-	-	-	-	-	1	-	0	-	0	-	0	-	0	-	0	-
LASSEN	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	-	-	-	-	-	-	92	0.2	22	0.2	17	0.2*	7	0.1*	2	0.0*	0	-
LOS ANGELES	-	-	-	-	-	-	85	0.2	21	0.2	13	0.1*	7	0.1*	2	0.0*	0	-
LONG BEACH	-	-	-	-	-	-	6	0.2*	1	0.2*	3	0.6*	0	-	0	-	0	-
PASADENA	-	-	-	-	-	-	1	-	0	-	1	0.7*	0	-	0	-	0	-
MADERA	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIN	-	-	-	-	-	-	7	0.4*	1	0.4*	1	0.4*	0	-	0	-	1	0.4*
MARIPOSA	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	-	-	-	-	-	-	0	-	1	1.1*	0	-	0	-	0	-	0	-
MERCED	-	-	-	-	-	-	1	0.4*	1	0.4*	1	0.4*	0	-	0	-	0	-
MODOC	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	-	-	-	-	-	-	5	0.2*	1	0.2*	0	-	0	-	0	-	0	-
NAPA	-	-	-	-	-	-	1	-	0	-	0	-	0	-	0	-	0	-
NEVADA	-	-	-	-	-	-	1	-	0	-	0	-	0	-	0	-	0	-
ORANGE	-	-	-	-	-	-	24	0.3*	11	0.3*	4	0.1*	5	0.2*	1	0.0*	0	-
PLACER	-	-	-	-	-	-	1	-	0	-	0	-	0	-	0	-	0	-
PLUMAS	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	-	-	-	-	-	-	11	0.2*	4	0.2*	1	0.0*	2	0.1*	0	-	1	0.0*
SACRAMENTO	-	-	-	-	-	-	8	-	0	-	1	0.1*	1	0.1*	0	-	0	-
SAN BENITO	-	-	-	-	-	-	1	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	-	-	-	-	-	-	15	0.3*	7	0.3*	0	-	3	0.1*	3	0.1*	1	0.0*
SAN DIEGO	-	-	-	-	-	-	69	0.6	20	0.6	8	0.2*	7	0.2*	0	-	0	-
SAN FRANCISCO	-	-	-	-	-	-	25	1.0*	9	1.0*	10	1.1*	3	0.3*	1	0.1*	1	0.1*
SAN JOAQUIN	-	-	-	-	-	-	5	0.1*	1	0.1*	0	-	0	-	0	-	0	-
SAN LUIS OBISPO	-	-	-	-	-	-	1	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	-	-	-	-	-	-	9	0.4*	3	0.4*	5	0.6*	2	0.3*	0	-	0	-
SANTA BARBARA	-	-	-	-	-	-	8	0.4*	2	0.4*	1	0.2*	0	-	0	-	0	-
SANTA CLARA	-	-	-	-	-	-	34	0.7*	13	0.7*	7	0.4*	3	0.2*	0	-	0	-
SANTA CRUZ	-	-	-	-	-	-	3	-	0	-	0	-	0	-	0	-	0	-
SHASTA	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
SIERRA	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	-	-	-	-	-	-	2	0.5*	2	0.5*	0	-	1	0.2*	0	-	0	-
SONOMA	-	-	-	-	-	-	10	0.7*	7	0.7*	1	0.2*	1	0.2*	0	-	0	-
STANISLAUS	-	-	-	-	-	-	3	-	0	-	0	-	0	-	0	-	0	-
SUTTER	-	-	-	-	-	-	1	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
TRINITY	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	-	-	-	-	-	-	4	0.4*	2	0.4*	0	-	0	-	0	-	0	-
TUOLUMNE	-	-	-	-	-	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	-	-	-	-	-	-	9	-	0	-	0	-	1	0.1*	0	-	0	-
YOLO	-	-	-	-	-	-	4	0.5*	1	0.5*	1	0.5*	0	-	0	-	0	-
YUBA	-	-	-	-	-	-	2	-	0	-	0	-	0	-	0	-	0	-

Rates are expressed as cases per 100,000 jurisdiction population per year.

For inclusion/exclusion criteria, please refer to the Technical Notes.

\*Potentially unreliable rate: relative standard error 23 percent or more.

Note: Required reporting of Zika Virus Infection began June 1, 2016.

## Zika Virus Infection

Zika Virus Infection, Cases by Month of Estimated Illness Onset, California, 2013-2021

MONTH	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	-	-	-	427	125	67	41	8	4	
JANUARY	-	-	-	-	17	7	2	0	0	
FEBRUARY	-	-	-	-	8	6	9	3	0	
MARCH	-	-	-	-	9	3	3	0	0	
APRIL	-	-	-	-	10	4	5	0	1	
MAY	-	-	-	-	18	7	3	0	0	
JUNE	-	-	-	34	9	4	2	1	0	
JULY	-	-	-	113	10	5	4	0	0	
AUGUST	-	-	-	117	10	6	5	1	1	
SEPTEMBER	-	-	-	47	8	4	4	0	2	
OCTOBER	-	-	-	47	12	12	4	3	0	
NOVEMBER	-	-	-	39	11	3	0	0	0	
DECEMBER	-	-	-	30	3	6	0	0	0	

For inclusion/exclusion criteria, please refer to the Technical Notes.  
 Note: Required reporting of Zika Virus Infection began June 1, 2016.

Zika Virus Infection, Cases and Rates by Sex, California, 2013-2021

SEX	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	-	-	-	-	-	-	427	-	125	0.3	67	0.2	41	0.1	8	0.0*	4	0.0*
FEMALE	-	-	-	-	-	-	277	-	97	0.5	55	0.3	34	0.2	7	0.0*	3	0.0*
MALE	-	-	-	-	-	-	150	-	28	0.1*	12	0.1*	7	0.0*	1	0.0*	1	0.0*

Rates are expressed as cases per 100,000 age group population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.  
 Note: Required reporting of Zika Virus Infection began June 1, 2016.

Zika Virus Infection, Cases and Rates by Age Group, California, 2013-2021

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2013		2014		2015		2016		2017		2018		2019		2020		2021	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	-	-	-	-	-	-	427	-	125	0.3	67	0.2	41	0.1	8	0.0*	4	0.0*
0	-	-	-	-	-	-	3	-	10	2.1*	3	0.7*	0	-	0	-	0	-
1-4	-	-	-	-	-	-	1	-	1	0.1*	0	-	0	-	0	-	0	-
5-9	-	-	-	-	-	-	6	-	1	0.0*	0	-	0	-	0	-	0	-
10-14	-	-	-	-	-	-	12	-	0	-	0	-	1	0.0*	0	-	0	-
15-24	-	-	-	-	-	-	74	-	26	0.4	12	0.2*	10	0.2*	0	-	0	-
25-34	-	-	-	-	-	-	98	-	47	0.9	28	0.5	17	0.3*	4	0.1*	2	0.0*
35-44	-	-	-	-	-	-	96	-	23	0.4	16	0.3*	9	0.2*	4	0.1*	2	0.0*
45-54	-	-	-	-	-	-	73	-	9	0.2*	3	0.1*	2	0.0*	0	-	0	-
55-64	-	-	-	-	-	-	37	-	4	0.1*	0	-	1	0.0*	0	-	0	-
65+	-	-	-	-	-	-	24	-	4	0.1*	5	0.1*	1	0.0*	0	-	0	-
UNKNOWN	-	-	-	-	-	-	3	-	-	-	-	-	-	-	-	-	-	-

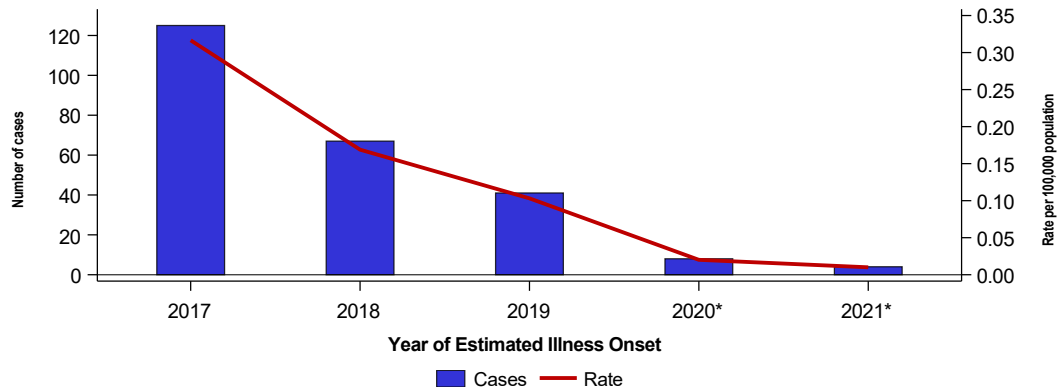
Rates are expressed as cases per 100,000 age group population per year.  
 For inclusion/exclusion criteria, please refer to the Technical Notes.  
 \*Potentially unreliable rate: relative standard error 23 percent or more.  
 Note: Required reporting of Zika Virus Infection began June 1, 2016.

Zika Virus Infection, Cases by Race/Ethnicity, California, 2013-2021

RACE ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET									
	2013	2014	2015	2016	2017	2018	2019	2020	2021	
TOTAL	-	-	-	427	125	67	41	8	4	
WHITE, NON-HISPANIC	-	-	-	82	16	3	0	0	1	
HISPANIC/LATINO	-	-	-	195	54	18	8	1	1	
ASIAN/PACIFIC ISLANDER, NON-HISPANIC	-	-	-	21	16	14	10	1	0	
BLACK, NON-HISPANIC	-	-	-	6	1	0	0	0	0	
AMERICAN INDIAN/ALASKA NATIVE, NON-HISPANIC	-	-	-	1	0	0	0	0	0	
MULTIPLE RACE, NON-HISPANIC	-	-	-	3	0	1	0	0	0	
OTHER, NON-HISPANIC	-	-	-	4	4	4	0	2	1	
UNKNOWN	-	-	-	115	34	27	23	4	1	

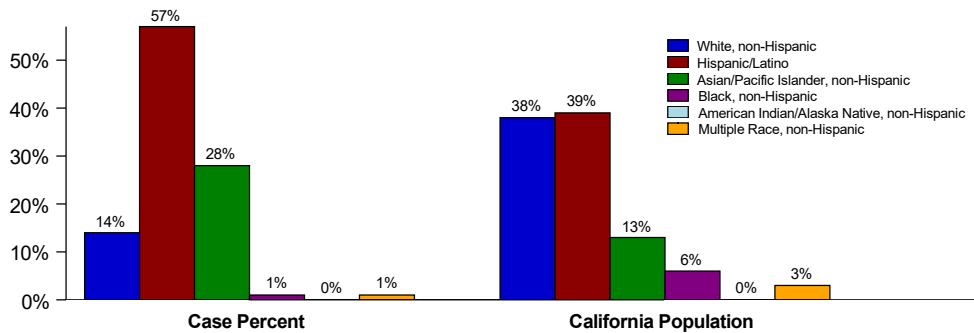
For inclusion/exclusion criteria, please refer to the Technical Notes.  
 Note: Required reporting of Zika Virus Infection began June 1, 2016.

### Zika Virus Infection Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2017-2021



\*Potentially unreliable rate: relative standard error 23 percent or more.

### Zika Virus Infection Cases and Population by Race/Ethnicity, California, 2017-2021



36.3% (n=89) of reported incidents of Zika Virus Infection did not identify race/ethnicity and 4.5% (n=11) of incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.





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Surveillance and Statistics Section  
Infectious Diseases Branch  
Division of Communicable Disease Control  
Center for Infectious Diseases  
California Department of Public Health  
1616 Capitol Avenue, MS 7306 P.O. Box 997377  
Sacramento, CA 95899-7377  
916-552-9720

<https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/SSS.aspx>