CDPH INFECTIOUS DISEASES BRANCH (IDB) YEARLY SUMMARIES OF SELECTED COMMUNICABLE DISEASES IN CALIFORNIA, 2011–2019

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 2011-2019 Yearly Summaries of Selected Communicable Diseases is available for download

Mark Ghaly, Secretary
Health and Human Services Agency

Sandra Shewry, MPH, MSW, Acting
Director Department of Public Health

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CDPH INFECTIOUS DISEASES BRANCH (IDB) YEARLY SUMMARIES OF SELECTED COMMUNICABLE DISEASES IN CALIFORNIA, 2011 – 2019: Technical Notes

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[1]. 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[2], 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, 2011-2019--are incident cases of communicable diseases that had an estimated illness onset date from January 1, 2011 through December 31, 2019. These data were extracted from California Confidential Morbidity Reports that were submitted to CDPH by May 1, 2020 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 records were removed based on a data matching algorithm. For diseases that may occur as acute and chronic conditions--such as coccidioidomycosis and brucellosis--we included only the first report of the condition in a given patient using a probabilistic de-duplication method that evaluates surveillance data over multiple reporting years.

Case inclusion criteria

LHDs--and for some diseases also CDPH-- reviewed case information to determine whether surveillance case definitions were met[3]. 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: amebiasis (as of 2019), 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: amebiasis (through 2018), 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, streptococcal infection (cases in food and dairy workers), 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, yellow fever, and Zika virus infection.

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 and without HUS), and typhoid fever.

For reported cases of the following diseases, only those closed by LHDs (or CDPH) were included in this report: amebiasis, 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 streptococcal infection (cases in food and dairy workers), 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, 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 2011–2019 Summaries, we used State of California, Department of Finance (DOF) postcensal population projections and estimates[4,5].

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.

We defined mutually exclusive race/ethnicity categories as follows: Hispanic (of any, including unknown, race); White, non-Hispanic; Black, non-Hispanic; 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/$\sqrt{}$number of cases
- Relative standard error = SE/IR x 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)[6].

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:

Tables:

- *Cases and IRs by health jurisdiction*
- *Cases by month of estimated illness onset*
- *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. 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 (2011–2019), 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, Shiga toxin-producing *E. coli* (STEC), listeriosis, salmonellosis, shigellosis, *Vibrio* infection, yersiniosis, and pediatric hemolytic uremic syndrome.

Because race/ethnicity information was missing or incomplete for 30 percent of all 2011-2019 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.

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, 2011-2019*

- *Cases and Rates by Local Health Jurisdiction and Year of Estimated Illness Onset, California, 2011-2019*

- *Cases by Month of Estimated Illness Onset, California, 2011-2019*

- *Cases and Rates by Age Group and Year of Estimated Illness Onset, California, 2011-2019*

- *Cases by Race/Ethnicity and Year of Estimated Illness Onset, California, 2011-2019*

- *Average Incidence Rates by Age Group, California, 2011-2019*

- *Cases and Population by Race/Ethnicity, California, 2011-2019*

References

[1] California Code of Regulations, Title 17, Section 2500.
https://www.cdph.ca.gov/Programs/CID/DCDC/CDPH%20Document%20Library/ReportableDiseases.pdf

[2] 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: http://www.westnile.ca.gov/reports.php.

[3] U.S. Centers for Disease Control and Prevention, National Notifiable Diseases Surveillance System.
https://wwwn.cdc.gov/nndss/case-definitions.html

[4] State of California, Department of Finance, P- 3 State and County Population Projections by Race/Ethnicity and Detailed Age, 2010–2060. Sacramento, California, January 2020.

[5] State of California, Department of Finance, E- 4 Population Estimates for Cities, Counties, and the State, 2011–2019, with 2010 Census Benchmark. Sacramento, California, May 2019.

[6] 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

Prepared by Kirsten Knutson, MPH, Alyssa Nguyen, BS, and Yanyi Djamba, PhD – Infectious Diseases Branch

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Amebiasis

Amebiasis, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	2011 RATE	2012 CASES	2012 RATE	2013 CASES	2013 RATE	2014 CASES	2014 RATE	2015 CASES	2015 RATE	2016 CASES	2016 RATE	2017 CASES	2017 RATE	2018 CASES	2018 RATE	2019 CASES	2019 RATE
CALIFORNIA TOTAL	367	1.0	372	1.0	290	0.8	310	0.8	326	0.8	318	0.8	275	0.7	321	0.8	167	-
ALAMEDA COUNTY TOTAL	21	1.4	27	1.7	12	0.8*	12	0.7*	65	4.0	62	3.8	56	3.4	70	4.2	24	-
ALAMEDA	20	1.4	21	1.5	5	0.3*	11	0.7*	60	4.0	54	3.6	52	3.4	69	4.5	23	-
BERKELEY	1	0.9*	6	5.2*	7	6.0*	1	0.8*	5	4.2*	8	6.7*	4	3.3*	1	0.8*	1	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	3	1.4*	0	-	3	1.3*	0	-	2	0.9*	0	-	0	-	5	2.2*	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	7	0.7*	6	0.6*	13	1.2*	4	0.4*	3	0.3*	2	0.2*	12	1.1*	18	1.6*	11	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	2	1.1*	1	-
FRESNO	2	0.2*	2	0.2*	0	-	2	0.2*	4	0.4*	7	0.7*	4	0.4*	5	0.5*	2	-
GLENN	1	3.5*	0	-	0	-	0	-	2	7.1*	1	3.5*	0	-	0	-	0	-
HUMBOLDT	1	0.7*	0	-	0	-	0	-	0	-	0	-	1	0.7*	0	-	0	-
IMPERIAL	3	1.7*	2	1.1*	0	-	0	-	0	-	0	-	4	2.1*	2	1.1*	3	-
INYO	0	-	0	-	0	-	1	5.4*	0	-	0	-	0	-	0	-	0	-
KERN	1	0.1*	2	0.2*	0	-	3	0.3*	2	0.2*	1	0.1*	6	0.7*	3	0.3*	0	-
KINGS	0	-	0	-	0	-	1	0.7*	0	-	0	-	0	-	0	-	2	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	1	1.5*	1	1.5*	0	-
LASSEN	0	-	1	3.0*	0	-	0	-	0	-	0	-	1	3.3*	0	-	0	-
LOS ANGELES COUNTY TOTAL	94	0.9	111	1.1	79	0.8	75	0.7	76	0.7	89	0.9	74	0.7	82	0.8	38	-
LOS ANGELES	90	1.0	105	1.1	76	0.8	70	0.7	70	0.7	81	0.8	68	0.7	77	0.8	37	-
LONG BEACH	4	0.9*	5	1.1*	3	0.6*	4	0.8*	6	1.3*	8	1.7*	4	0.8*	3	0.6*	1	-
PASADENA	0	-	1	0.7*	0	-	1	0.7*	0	-	0	-	2	1.4*	2	1.4*	0	-
MADERA	0	-	0	-	0	-	2	1.3*	0	-	1	0.6*	0	-	1	0.6*	1	-
MARIN	5	2.0*	1	0.4*	2	0.8*	5	1.9*	4	1.5*	9	3.4*	7	2.7*	10	3.8*	5	-
MARIPOSA	0	-	0	-	0	-	0	-	1	5.5*	0	-	0	-	0	-	0	-
MENDOCINO	1	1.1*	1	1.1*	5	5.7*	4	4.5*	0	-	1	1.1*	3	3.4*	0	-	0	-
MERCED	1	0.4*	0	-	1	0.4*	1	0.4*	1	0.4*	3	1.1*	5	1.8*	6	2.1*	3	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	2	0.5*	1	0.2*	0	-	4	0.9*	5	1.1*	10	2.3*	7	1.6*	9	2.0*	5	-
NAPA	0	-	0	-	2	1.4*	1	0.7*	3	2.1*	0	-	0	-	8	5.7*	0	-
NEVADA	2	2.0*	1	1.0*	0	-	0	-	1	1.0*	1	1.0*	1	1.0*	3	3.0*	1	-
ORANGE	7	0.2*	15	0.5*	14	0.4*	21	0.7	14	0.4*	13	0.4*	11	0.3*	9	0.3*	10	-
PLACER	1	0.3*	0	-	0	-	0	-	0	-	0	-	3	0.8*	1	0.3*	1	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	9	0.4*	15	0.7*	10	0.4*	6	0.3*	7	0.3*	10	0.4*	1	0.0*	6	0.2*	3	-
SACRAMENTO	12	0.8*	7	0.5*	7	0.5*	4	0.3*	4	0.3*	2	0.1*	1	0.1*	0	-	0	-
SAN BENITO	1	1.8*	1	1.8*	0	-	3	5.2*	0	-	1	1.7*	1	1.7*	0	-	0	-
SAN BERNARDINO	0	-	3	0.1*	5	0.2*	4	0.2*	6	0.3*	3	0.1*	3	0.1*	4	0.2*	5	-
SAN DIEGO	58	1.8	64	2.0	34	1.1	62	1.9	37	1.1	18	0.5*	10	0.3*	10	0.3*	7	-
SAN FRANCISCO	81	9.9	58	6.9	61	7.2	52	6.1	53	6.1	44	5.0	0	-	0	-	0	-
SAN JOAQUIN	9	1.3*	10	1.4*	3	0.4*	1	0.1*	1	0.1*	1	0.1*	0	-	0	-	2	-
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*	0	-
SAN MATEO	8	1.1*	5	0.7*	8	1.1*	6	0.8*	4	0.5*	5	0.7*	8	1.0*	7	0.9*	5	-
SANTA BARBARA	2	0.5*	1	0.2*	1	0.2*	3	0.7*	3	0.7*	1	0.2*	3	0.7*	1	0.2*	1	-
SANTA CLARA	19	1.0	19	1.0	10	0.5*	15	0.8*	5	0.3*	5	0.3*	2	0.1*	6	0.3*	3	-
SANTA CRUZ	1	0.4*	0	-	4	1.5*	0	-	4	1.5*	5	1.8*	5	1.8*	6	2.2*	1	-
SHASTA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.6*	3	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	1	0.2*	5	1.2*	1	0.2*	3	0.7*	5	1.2*	2	0.5*	4	0.9*	7	1.6*	6	-
SONOMA	6	1.2*	0	-	4	0.8*	3	0.6*	3	0.6*	9	1.8*	9	1.8*	6	1.2*	11	-
STANISLAUS	5	1.0*	5	1.0*	2	0.4*	2	0.4*	3	0.6*	3	0.6*	13	2.4*	11	2.0*	8	-
SUTTER	0	-	0	-	0	-	0	-	0	-	3	3.1*	3	3.0*	3	3.0*	2	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	1	1.6*	3	4.6*	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	1	0.2*	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	1	1.9*	0	-	0	-
VENTURA	3	0.4*	5	0.6*	7	0.8*	8	0.9*	5	0.6*	4	0.5*	7	0.8*	6	0.7*	0	-
YOLO	0	-	3	1.5*	1	0.5*	1	0.5*	2	0.9*	2	0.9*	5	2.3*	7	3.2*	2	-
YUBA	0	-	0	-	1	1.4*	1	1.4*	1	1.3*	0	-	2	2.6*	0	-	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.
Note: Required reporting of Amebiasis ended on September 30, 2019.

Amebiasis

Amebiasis, Cases by Month of Estimated Illness Onset, California, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
				YEAR OF ESTIMATED ILLNESS ONSET					
TOTAL	367	372	290	310	326	318	275	321	167
JANUARY	24	33	23	20	20	44	41	35	24
FEBRUARY	26	24	21	23	20	28	17	17	21
MARCH	36	37	27	35	31	35	27	33	32
APRIL	24	23	30	19	17	26	25	28	24
MAY	29	26	27	19	28	23	22	30	14
JUNE	52	34	24	29	26	25	27	20	10
JULY	41	38	20	39	24	26	24	21	18
AUGUST	27	34	27	29	32	27	19	27	14
SEPTEMBER	23	36	27	19	39	30	20	25	10
OCTOBER	32	32	28	24	33	21	18	29	0
NOVEMBER	22	28	17	22	32	18	20	29	0
DECEMBER	31	27	19	32	24	15	15	27	0

For inclusion/exclusion criteria, please refer to the Technical Notes.
Note: Required reporting of Amebiasis ended on September 30, 2019.

Amebiasis, Cases and Rates by Age Group, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	367	1.0	372	1.0	290	0.8	310	0.8	326	0.8	318	0.8	275	0.7	321	0.8	167	-
0	1	0.2*	1	0.2*	0	-	2	0.4*	0	-	0	-	1	0.2*	0	-	0	-
1-4	9	0.4*	8	0.4*	4	0.2*	8	0.4*	10	0.5*	8	0.4*	10	0.5*	9	0.5*	2	-
5-9	17	0.7*	15	0.6*	4	0.2*	7	0.3*	13	0.5*	20	0.8	19	0.7	13	0.5*	12	-
10-14	16	0.6*	13	0.5*	2	0.1*	13	0.5*	15	0.6*	12	0.5*	13	0.5*	21	0.8	9	-
15-24	39	0.7	39	0.7	25	0.4	35	0.6	29	0.5	27	0.5	27	0.5	25	0.4	10	-
25-34	58	1.1	75	1.4	59	1.1	65	1.2	66	1.2	66	1.2	55	1.0	67	1.2	21	-
35-44	77	1.5	75	1.5	58	1.1	54	1.1	56	1.1	59	1.2	41	0.8	65	1.2	28	-
45-54	75	1.4	72	1.4	72	1.4	63	1.2	65	1.3	53	1.0	44	0.9	52	1.0	26	-
55-64	35	0.8	39	0.9	37	0.8	34	0.8	37	0.8	47	1.0	36	0.8	36	0.7	39	-
65+	38	0.9	35	0.8	27	0.6	27	0.5	34	0.7	25	0.5	28	0.5	33	0.6	20	-
UNKNOWN	2	-	0	-	2	-	2	-	1	-	1	-	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.
Note: Required reporting of Amebiasis ended on September 30, 2019.

Amebiasis, Cases by Race/Ethnicity, California, 2011-2019

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
				YEAR OF ESTIMATED ILLNESS ONSET					
TOTAL	367	372	290	310	326	318	275	321	167
WHITE, NON-HISPANIC	122	126	125	104	116	101	67	82	44
HISPANIC	110	97	66	82	88	85	71	90	46
ASIAN/PACIFIC ISLANDER	28	32	12	14	13	16	16	15	10
BLACK, NON-HISPANIC	22	24	8	13	14	12	9	9	2
AMERICAN INDIAN/ALASKA NATIVE	1	0	1	0	0	2	0	0	0
MULTIPLE RACE	1	2	4	11	1	1	1	1	0
OTHER	3	5	1	4	3	10	16	19	7
UNKNOWN	80	86	73	82	91	91	95	105	58

For inclusion/exclusion criteria, please refer to the Technical Notes.
Note: Required reporting of Amebiasis ended on September 30, 2019.

Anaplasmosis

Anaplasmosis, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
CALIFORNIA TOTAL	2	0.0*	4	0.0*	8	0.0*	5	0.0*	4	0.0*	6	0.0*	8	0.0*	6	0.0*	6	0.0*
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	0	-	0	-	1	0.1*	1	0.1*	0	-	1	0.1*
ALAMEDA	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	1	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	-	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	-	1	0.1*	0	-	0	-	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	-	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	1	0.7*	0	-	0	-	1	0.7*	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	-	1	0.1*	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	-	1	3.2*	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	2	0.0*	0	-
LOS ANGELES	0	-	0	-	0	-	0	-	0	-	0	-	0	-	2	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	-	1	0.4*	0	-	0	-	0	-	0	-	2	0.8*	0	-	0	-
MARIPOSA	0	-	0	-	0	-	1	5.5*	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	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	-	0	-	0	-	0	-	0	-
NAPA	0	-	0	-	0	-	0	-	0	-	0	-	1	0.7*	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	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	1	0.1*	0	-	0	-	0	-	0	-	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	-	0	-	0	-	0	-
SAN FRANCISCO	0	-	3	0.4*	2	0.2*	0	-	1	0.1*	0	-	0	-	0	-	0	-
SAN JOAQUIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN LUIS OBISPO	0	-	0	-	0	-	1	0.4*	1	0.4*	0	-	0	-	0	-	0	-
SAN MATEO	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-
SANTA BARBARA	0	-	0	-	3	0.7*	0	-	0	-	0	-	2	0.4*	1	0.2*	1	0.2*
SANTA CLARA	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-	1	0.1*	0	-
SANTA CRUZ	1	0.4*	0	-	0	-	1	0.4*	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	-	1	0.2*	0	-	0	-	1	0.2*	1	0.2*	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	-	1	0.1*	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.

Anaplasmosis

Anaplasmosis, Cases by Month of Estimated Illness Onset, California, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	2	4	8	5	4	6	8	6	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	2	0	0	0	0	0	0
MAY	0	1	1	1	1	0	2	1	0
JUNE	2	1	2	1	1	2	3	2	3
JULY	0	1	1	0	1	2	1	0	2
AUGUST	0	1	1	0	0	1	1	2	1
SEPTEMBER	0	0	0	0	0	0	0	1	0
OCTOBER	0	0	1	0	0	0	1	0	0
NOVEMBER	0	0	0	1	1	0	0	0	0
DECEMBER	0	0	0	2	0	1	0	0	0

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

Anaplasmosis, Cases and Rates by Age Group, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

AGE GROUP	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
TOTAL	2	0.0*	4	0.0*	8	0.0*	5	0.0*	4	0.0*	6	0.0*	8	0.0*	6	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	-	0	-	0	-	0	-	0	-
10-14	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
15-24	0	-	0	-	1	0.0*	1	0.0*	0	-	0	-	0	-	0	-	0	-
25-34	0	-	1	0.0*	2	0.0*	0	-	0	-	1	0.0*	1	0.0*	1	0.0*	1	0.0*
35-44	0	-	1	0.0*	1	0.0*	1	0.0*	0	-	1	0.0*	1	0.0*	1	0.0*	0	-
45-54	1	0.0*	0	-	0	-	2	0.0*	0	-	1	0.0*	0	-	2	0.0*	0	-
55-64	1	0.0*	1	0.0*	3	0.1*	0	-	0	-	2	0.0*	3	0.1*	1	0.0*	2	0.0*
65+	0	-	1	0.0*	1	0.0*	1	0.0*	4	0.1*	1	0.0*	3	0.1*	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.

Anaplasmosis, Cases by Race/Ethnicity, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	2	4	8	5	4	6	8	6	6
WHITE, NON-HISPANIC	2	2	4	1	2	0	2	3	5
HISPANIC	0	0	1	0	0	0	0	0	0
ASIAN/PACIFIC ISLANDER	0	1	0	0	0	1	0	1	0
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	0	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	1	0	0
MULTIPLE RACE	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0	1	0
UNKNOWN	0	1	3	4	2	5	5	1	1

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

Anaplasmosis Cases by Year of Estimated Illness Onset, California, 2011-2019
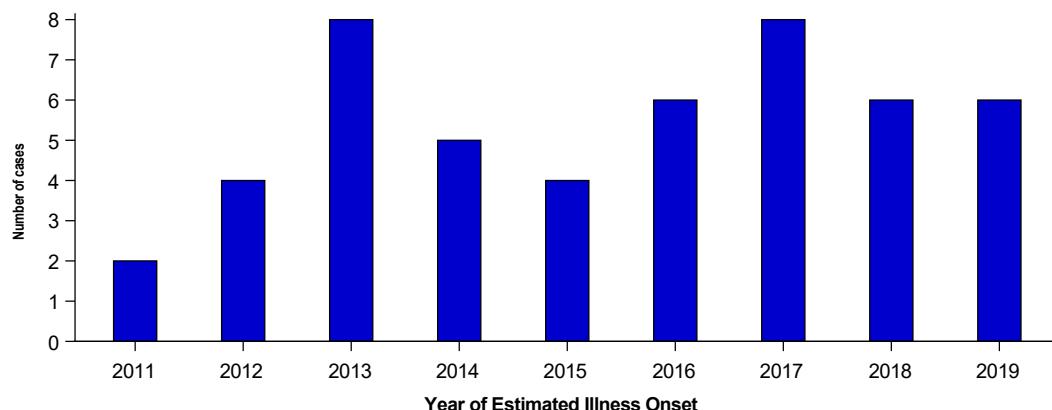
Please refer to Pages 4-8 for Technical Notes. Data are as of May 1, 2020.

Center for Infectious Diseases - Division of Communicable Disease Control - Infectious Diseases Branch - Surveillance and Statistics Section, July 2020   13

Anthrax

No cases of Anthrax were reported to CDPH with illness onset during 2011-2019

Babesiosis

Babesiosis, Cases and Rates by Health Jurisdiction, California, 2011-2019

JURISDICTION	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
CALIFORNIA TOTAL	1	0.0*	4	0.0*	3	0.0*	2	0.0*	6	0.0*	5	0.0*	6	0.0*	6	0.0*	5	0.0*
ALAMEDA COUNTY TOTAL	1	0.1*	0	-	0	-	0	-	2	0.1*	0	-	0	-	0	-	1	0.1*
ALAMEDA	1	0.1*	0	-	0	-	0	-	2	0.1*	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	-	1	0.1*	0	-	0	-	0	-	0	-	0	-	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	-	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	-	1	0.0*	3	0.0*	1	0.0*	0	-	0	-	1	0.0*
LOS ANGELES	0	-	0	-	0	-	1	0.0*	2	0.0*	1	0.0*	0	-	0	-	1	0.0*
LONG BEACH	0	-	0	-	0	-	0	-	0	-	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	-	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	-	1	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	-	1	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	-	1	0.0*	1	0.0*	3	0.1*	2	0.1*
SAN FRANCISCO	0	-	0	-	0	-	0	-	0	-	1	0.1*	1	0.1*	1	0.1*	0	-
SAN JOAQUIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN LUIS OBISPO	0	-	0	-	0	-	1	0.4*	0	-	0	-	0	-	0	-	0	-
SAN MATEO	0	-	1	0.1*	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-
SANTA BARBARA	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CLARA	0	-	0	-	0	-	0	-	1	0.1*	0	-	1	0.1*	2	0.1*	0	-
SANTA CRUZ	0	-	0	-	1	0.4*	0	-	0	-	0	-	0	-	0	-	0	-
SHASTA	0	-	0	-	0	-	0	-	0	-	0	-	1	0.6*	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	-	2	0.4*	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	-	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.

Babesiosis

Babesiosis, Cases by Month of Estimated Illness Onset, California, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
				YEAR OF ESTIMATED ILLNESS ONSET					
TOTAL	1	4	3	2	6	5	6	6	5
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	1	0	0	0	0	1	0	0
MAY	0	1	0	0	0	0	0	1	1
JUNE	0	0	1	0	1	1	1	0	0
JULY	1	0	2	1	2	2	4	4	2
AUGUST	0	0	0	1	3	1	0	0	1
SEPTEMBER	0	1	0	0	0	0	0	1	1
OCTOBER	0	0	0	0	0	0	0	0	0
NOVEMBER	0	0	0	0	0	1	0	0	0
DECEMBER	0	1	0	0	0	0	0	0	0

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

Babesiosis, Cases and Rates by Age Group, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	1	0.0*	4	0.0*	3	0.0*	2	0.0*	6	0.0*	5	0.0*	6	0.0*	6	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	-	1	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	-	0	-	0	-	1	0.0*
35-44	0	-	1	0.0*	0	-	0	-	1	0.0*	0	-	2	0.0*	1	0.0*	0	-
45-54	0	-	0	-	0	-	1	0.0*	0	-	1	0.0*	1	0.0*	1	0.0*	0	-
55-64	1	0.0*	1	0.0*	0	-	0	-	2	0.0*	3	0.1*	0	-	0	-	1	0.0*
65+	0	-	2	0.0*	3	0.1*	1	0.0*	3	0.1*	1	0.0*	3	0.1*	3	0.1*	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, 2011-2019

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
				YEAR OF ESTIMATED ILLNESS ONSET					
TOTAL	1	4	3	2	6	5	6	6	5
WHITE, NON-HISPANIC	1	2	1	1	3	4	3	2	2
HISPANIC	0	0	1	0	0	0	0	2	0
ASIAN/PACIFIC ISLANDER	0	1	0	0	2	0	1	0	2
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	0	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	1
UNKNOWN	0	1	1	1	1	1	2	2	0

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

Babesiosis Cases by Year of Estimated Illness Onset, California, 2011-2019
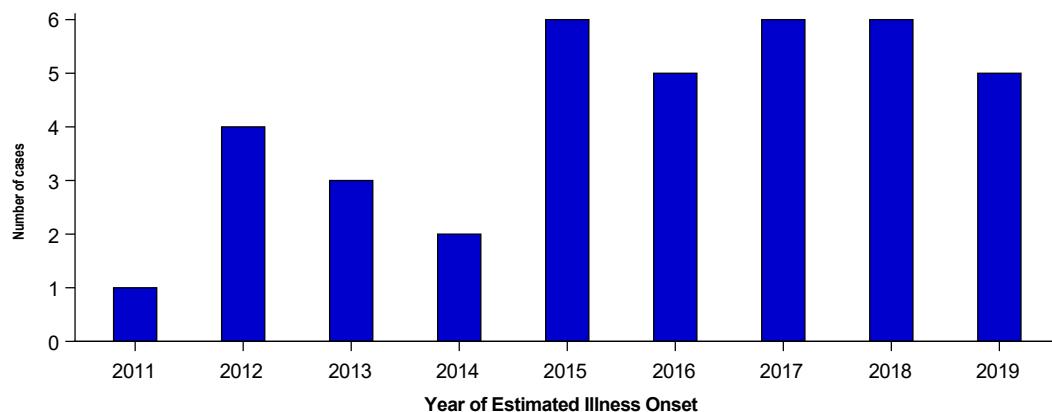
Please refer to Pages 4-8 for Technical Notes. Data are as of May 1, 2020.

Center for Infectious Diseases - Division of Communicable Disease Control - Infectious Diseases Branch - Surveillance and Statistics Section, July 2020   17

Botulism, Foodborne

Botulism, Foodborne, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	1	0.0*	3	0.0*	1	0.0*	0		1	0.0*	5	0.0*	15	0.0*	0		2	0.0*
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	0		0	-	0	-	0	-	0		0	-
ALAMEDA	0	-	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	-	0	-	0	-	0		0	-
CALAVERAS	0	-	0	-	0	-	0		0	-	0	-	0	-	0		0	-
COLUSA	0	-	0	-	0	-	0		0	-	0	-	1	4.5*	0		0	-
CONTRA COSTA	0	-	0	-	0	-	0		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	-	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	1	0.0*	2	0.0*	0	-	0		0	-	0	-	0	-	0		0	-
LOS ANGELES	0	-	2	0.0*	0	-	0		0	-	0	-	0	-	0		0	-
LONG BEACH	1	0.2*	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		1	0.2*	0	-	0	-	0		0	-
NAPA	0	-	0	-	0	-	0		0	-	0	-	1	0.7*	0		0	-
NEVADA	0	-	0	-	0	-	0		0	-	0	-	0	-	0		0	-
ORANGE	0	-	0	-	0	-	0		0	-	0	-	2	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	-	1	0.0*	0		0	-
SACRAMENTO	0	-	0	-	0	-	0		0	-	0	-	4	0.3*	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		0	-
SAN FRANCISCO	0	-	0	-	0	-	0		0	-	0	-	0	-	0		0	-
SAN JOAQUIN	0	-	0	-	0	-	0		0	-	0	-	4	0.5*	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	-	3	0.0*	0	-	0		0	-	0	-	0	-	0		0	-
SANTA CLARA	0	-	0	-	0	-	0		0	-	2	0.1*	0	-	0		0	-
SANTA CRUZ	0	-	0	-	0	-	0		0	-	0	-	0	-	0		0	-
SHASTA	0	-	0	-	0	-	0		0	-	0	-	0	-	0		1	0.6*
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		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	-	1	0.2*	1	0.2*	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.

Botulism, Foodborne

Botulism, Foodborne, Cases by Month of Estimated Illness Onset, California, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
				YEAR OF ESTIMATED ILLNESS ONSET					
TOTAL	1	3	1	0	1	5	15	0	2
JANUARY	1	2	0	0	0	0	0	0	1
FEBRUARY	0	0	0	0	0	0	1	0	0
MARCH	0	0	0	0	0	0	1	0	0
APRIL	0	0	0	0	1	1	9	0	0
MAY	0	1	0	0	0	0	3	0	0
JUNE	0	0	0	0	0	1	0	0	0
JULY	0	0	0	0	0	0	0	0	0
AUGUST	0	0	0	0	0	0	1	0	1
SEPTEMBER	0	0	0	0	0	0	0	0	0
OCTOBER	0	0	0	0	0	2	0	0	0
NOVEMBER	0	0	1	0	0	1	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 Age Group, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

AGE GROUP	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
TOTAL	1	0.0*	3	0.0*	1	0.0*	0	-	1	0.0*	5	0.0*	15	0.0*	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	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*	0	-	0	-	0	-	0	-	3	0.1*	0	-	0	-
25-34	0	-	0	-	0	-	0	-	0	-	0	-	2	0.0*	0	-	0	-
35-44	0	-	0	-	1	0.0*	0	-	0	-	0	-	4	0.1*	0	-	0	-
45-54	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
55-64	1	0.0*	0	-	0	-	0	-	0	-	2	0.0*	2	0.0*	0	-	0	-
65+	0	-	0	-	0	-	0	-	1	0.0*	3	0.1*	4	0.1*	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.

Botulism, Foodborne, Cases by Race/Ethnicity, California, 2011-2019

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
				YEAR OF ESTIMATED ILLNESS ONSET					
TOTAL	1	3	1	0	1	5	15	0	2
WHITE, NON-HISPANIC	1	2	0	0	0	2	0	0	1
HISPANIC	0	1	1	0	0	0	8	0	0
ASIAN/PACIFIC ISLANDER	0	0	0	0	1	3	4	0	0
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	0	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	1	0	0
OTHER	0	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	2	0	1

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

Botulism, Foodborne Cases by Year of Estimated Illness Onset, California, 2011-2019

Botulism, Wound

Botulism, Wound, Cases and Rates by Health Jurisdiction, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	23	0.1	10	0.0*	14	0.0*	26	0.1	17	0.0*	26	0.1	22	0.1	50	0.1	29	0.1
ALAMEDA COUNTY TOTAL	1	0.1*	0	-	0	-	3	0.2*	1	0.1*	0	-	0	-	0	-	1	0.1*
ALAMEDA	1	0.1*	0	-	0	-	3	0.2*	1	0.1*	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	-	1	0.4*	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	-	1	0.1*	0	-	0	-	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	-	2	0.2*	0	-	1	0.1*	0	-	3	0.3*	2	0.2*	3	0.3*	1	0.1*
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	3.5*	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
IMPERIAL	0	-	1	0.6*	0	-	0	-	0	-	0	-	0	-	2	1.1*	1	0.5*
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	0	-	1	0.1*	1	0.1*	0	-	1	0.1*	2	0.2*	1	0.1*
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*	1	0.0*	4	0.0*	1	0.0*	2	0.0*	6	0.1*	1	0.0*	8	0.1*	6	0.1*
LOS ANGELES	1	0.0*	1	0.0*	4	0.0*	1	0.0*	2	0.0*	6	0.1*	1	0.0*	8	0.1*	6	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	-	0	-	0	-	0	-	0	-	1	0.6*	0	-
MARIN	1	0.4*	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	-	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	0	-	0	-	0	-	0	-	0	-	1	0.2*	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*	0	-	0	-	3	0.1*	3	0.1*	3	0.1*	1	0.0*	1	0.0*	0	-
PLACER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	2	0.1*	1	0.0*	0	-	2	0.1*	2	0.1*	3	0.1*	3	0.1*	3	0.1*	2	0.1*
SACRAMENTO	0	-	1	0.1*	1	0.1*	3	0.2*	0	-	1	0.1*	1	0.1*	4	0.3*	1	0.1*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	2	0.1*	0	-	3	0.1*	3	0.1*	2	0.1*	3	0.1*	5	0.2*	4	0.2*	7	0.3*
SAN DIEGO	0	-	1	0.0*	0	-	2	0.1*	0	-	0	-	4	0.1*	7	0.2*	1	0.0*
SAN FRANCISCO	1	0.1*	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-	2	0.2*
SAN JOAQUIN	1	0.1*	1	0.1*	1	0.1*	0	-	0	-	1	0.1*	1	0.1*	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	-	1	0.2*	2	0.5*	0	-	1	0.2*	1	0.2*	1	0.2*
SANTA CLARA	0	-	1	0.1*	2	0.1*	1	0.1*	0	-	1	0.1*	0	-	3	0.2*	1	0.1*
SANTA CRUZ	0	-	0	-	1	0.4*	0	-	0	-	2	0.7*	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	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-
SONOMA	0	-	0	-	1	0.2*	1	0.2*	0	-	0	-	0	-	0	-	0	-
STANISLAUS	0	-	0	-	0	-	1	0.2*	2	0.4*	0	-	0	-	3	0.5*	3	0.5*
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	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	-	0	-	0	-	0	-	1	0.2*	0	-	1	0.2*	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	12	1.4*	1	0.1*	0	-	2	0.2*	1	0.1*	1	0.1*	1	0.1*	3	0.4*	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.
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, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
				YEAR OF ESTIMATED ILLNESS ONSET					
TOTAL	23	10	14	26	17	26	22	50	29
JANUARY	8	0	2	2	0	0	1	4	0
FEBRUARY	3	0	0	2	2	5	1	2	4
MARCH	2	2	1	2	3	4	0	3	0
APRIL	0	0	2	5	0	1	1	6	2
MAY	2	0	2	1	3	4	4	4	1
JUNE	2	1	2	3	1	4	0	5	2
JULY	2	3	1	2	2	1	4	2	4
AUGUST	1	0	0	0	2	0	4	6	2
SEPTEMBER	0	3	0	2	1	4	3	6	6
OCTOBER	1	0	1	0	0	1	2	5	5
NOVEMBER	2	1	2	5	3	0	1	4	1
DECEMBER	0	0	1	2	0	2	1	3	2

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

Botulism, Wound, Cases and Rates by Age Group, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	23	0.1	10	0.0*	14	0.0*	26	0.1	17	0.0*	26	0.1	22	0.1	50	0.1	29	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	-	1	0.0*	0	-	0	-
15-24	1	0.0*	1	0.0*	1	0.0*	3	0.1*	1	0.0*	0	-	0	-	1	0.0*	0	-
25-34	3	0.1*	0	-	2	0.0*	6	0.1*	1	0.0*	5	0.1*	3	0.1*	10	0.2*	7	0.1*
35-44	8	0.2*	0	-	1	0.0*	5	0.1*	2	0.0*	4	0.1*	5	0.1*	11	0.2*	5	0.1*
45-54	8	0.2*	6	0.1*	4	0.1*	3	0.1*	3	0.1*	11	0.2*	6	0.1*	13	0.3*	9	0.2*
55-64	3	0.1*	3	0.1*	6	0.1*	8	0.2*	10	0.2*	4	0.1*	5	0.1*	13	0.3*	7	0.1*
65+	0	-	0	-	0	-	1	0.0*	0	-	2	0.0*	2	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.

Botulism, Wound, Cases by Race/Ethnicity, California, 2011-2019

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
				YEAR OF ESTIMATED ILLNESS ONSET					
TOTAL	23	10	14	26	17	26	22	50	29
WHITE, NON-HISPANIC	6	3	5	11	4	11	8	22	12
HISPANIC	14	6	8	10	7	10	9	19	8
ASIAN/PACIFIC ISLANDER	0	0	0	0	0	0	0	0	0
BLACK, NON-HISPANIC	0	0	0	1	0	0	0	2	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	2
UNKNOWN	3	1	1	4	6	5	5	7	7

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

Botulism, Wound Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2011-2019
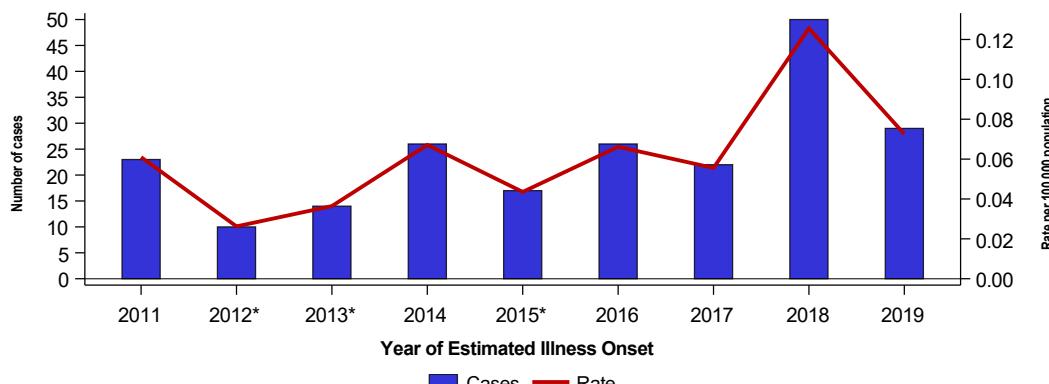
*Potentially unreliable rate: relative standard error 23 percent or more.

Botulism, Wound Cases and Population by Race/Ethnicity, California, 2011-2019
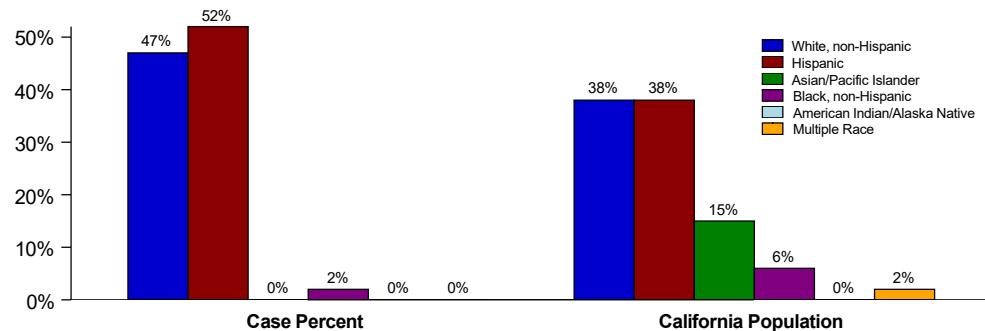
18% (n=39) of reported incidents of Botulism, Wound did not identify race/ethnicity and 0.9% (n=2) of incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Botulism, Other

Botulism, Other, Cases and Rates by Health Jurisdiction, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
JURISDICTION	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*	0	-	1	0.0*	0	-	0	-	3	0.0*	0	-	0	-
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALAMEDA	0	-	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	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	1	2.2*	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	2	0.0*	0	-	0	-	0	-	0	-	0	-	2	0.0*	0	-	0	-
LOS ANGELES	2	0.0*	0	-	0	-	0	-	0	-	0	-	2	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	-	1	0.0*	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	-	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	-	1	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	-	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	1	0.5*	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, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	3	2	0	1	0	0	3	0	0
JANUARY	0	0	0	0	0	0	0	0	0
FEBRUARY	0	1	0	0	0	0	0	0	0
MARCH	1	0	0	1	0	0	0	0	0
APRIL	0	0	0	0	0	0	0	0	0
MAY	0	0	0	0	0	0	1	0	0
JUNE	1	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	1	0	0	0	0	0	2	0	0
DECEMBER	0	1	0	0	0	0	0	0	0

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

Botulism, Other, Cases and Rates by Age Group, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	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*	0	-	1	0.0*	0	-	0	-	3	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	-	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	-	0	-	0	-	0	-	0	-	1	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+	2	0.0*	2	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 by Race/Ethnicity, California, 2011-2019

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	3	2	0	1	0	0	3	0	0
WHITE, NON-HISPANIC	2	2	0	1	0	0	2	0	0
HISPANIC	1	0	0	0	0	0	0	0	0
ASIAN/PACIFIC ISLANDER	0	0	0	0	0	0	0	0	0
BLACK, NON-HISPANIC	0	0	0	0	0	0	1	0	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	0	0	0
OTHER	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, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	15	0.0*	38	0.1	22	0.1	21	0.1	32	0.1	20	0.1	30	0.1	38	0.1	34	0.1
ALAMEDA COUNTY TOTAL	1	0.1*	0	-	0	-	0	-	3	0.2*	1	0.1*	2	0.1*	0	-	1	0.1*
ALAMEDA	1	0.1*	0	-	0	-	0	-	2	0.1*	1	0.1*	2	0.1*	0	-	1	0.1*
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	-	1	0.4*	0	-	0	-	0	-	0	-	0	-	1	0.5*
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	1	4.5*	0	-	0	-	0	-
CONTRA COSTA	0	-	1	0.1*	0	-	0	-	3	0.3*	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	-	5	0.5*	2	0.2*	1	0.1*	2	0.2*	0	-	2	0.2*	2	0.2*	3	0.3*
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
IMPERIAL	0	-	0	-	0	-	1	0.5*	0	-	0	-	0	-	1	0.5*	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	1	0.1*	2	0.2*
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	1	1.5*	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	4	0.0*	7	0.1*	8	0.1*	6	0.1*	8	0.1*	5	0.0*	9	0.1*	11	0.1*	10	0.1*
LOS ANGELES	4	0.0*	7	0.1*	8	0.1*	6	0.1*	8	0.1*	5	0.1*	9	0.1*	10	0.1*	9	0.1*
LONG BEACH	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*	1	0.2*
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.6*
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	-	1	0.4*	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*	0	-	1	0.2*	0	-	1	0.2*	0	-	0	-	0	-
NAPA	0	-	0	-	0	-	0	-	0	-	0	-	2	1.4*	0	-	0	-
NEVADA	0	-	0	-	0	-	1	1.0*	0	-	0	-	0	-	0	-	0	-
ORANGE	0	-	1	0.0*	0	-	2	0.1*	5	0.2*	2	0.1*	2	0.1*	2	0.1*	2	0.1*
PLACER	0	-	0	-	1	0.3*	0	-	0	-	0	-	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	1	0.0*	1	0.0*	1	0.0*	0	-	1	0.0*	0	-	1	0.0*
SACRAMENTO	1	0.1*	1	0.1*	0	-	0	-	0	-	2	0.1*	1	0.1*	1	0.1*	1	0.1*
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*	1	0.0*	1	0.0*
SAN DIEGO	1	0.0*	7	0.2*	1	0.0*	1	0.0*	1	0.0*	3	0.1*	4	0.1*	2	0.1*	1	0.0*
SAN FRANCISCO	1	0.1*	0	-	1	0.1*	0	-	0	-	0	-	0	-	5	0.6*	2	0.2*
SAN JOAQUIN	1	0.1*	2	0.3*	2	0.3*	2	0.3*	0	-	0	-	0	-	1	0.1*	1	0.1*
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	0	-	1	0.1*	0	-	1	0.1*	1	0.1*	0	-	0	-	0	-	0	-
SANTA BARBARA	0	-	4	0.9*	0	-	1	0.2*	1	0.2*	0	-	0	-	4	0.9*	1	0.2*
SANTA CLARA	1	0.1*	1	0.1*	0	-	0	-	0	-	2	0.1*	1	0.1*	1	0.1*	2	0.1*
SANTA CRUZ	1	0.4*	1	0.4*	1	0.4*	0	-	0	-	1	0.4*	0	-	2	0.7*	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	-	1	0.2*	1	0.2*	0	-	1	0.2*	0	-	1	0.2*	1	0.2*	0	-
STANISLAUS	2	0.4*	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-	1	0.2*
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	-	1	0.2*	0	-	0	-	1	0.2*	1	0.2*	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	1	0.1*	0	-	1	0.1*	2	0.2*	1	0.1*	0	-	1	0.1*	2	0.2*	3	0.4*
YOLO	1	0.5*	4	1.9*	0	-	0	-	2	0.9*	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.

Brucellosis

Brucellosis, Cases by Month of Estimated Illness Onset, California, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
				YEAR OF ESTIMATED ILLNESS ONSET					
TOTAL	15	38	22	21	32	20	30	38	34
JANUARY	0	2	2	1	2	2	1	0	3
FEBRUARY	1	2	0	3	1	3	3	2	2
MARCH	2	5	2	1	3	5	5	7	2
APRIL	1	6	2	2	5	3	1	7	5
MAY	3	4	2	2	5	2	1	6	0
JUNE	2	4	4	1	3	1	3	3	4
JULY	3	5	3	1	3	0	5	2	4
AUGUST	1	3	3	5	1	2	3	3	3
SEPTEMBER	1	0	1	3	4	2	2	1	2
OCTOBER	0	3	1	1	3	0	3	1	4
NOVEMBER	1	1	1	0	2	0	2	2	4
DECEMBER	0	3	1	1	0	0	1	4	1

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

Brucellosis, Cases and Rates by Age Group, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	15	0.0*	38	0.1	22	0.1	21	0.1	32	0.1	20	0.1	30	0.1	38	0.1	34	0.1
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	1	0.0*	0	-	1	0.1*	0	-	0	-	2	0.1*	1	0.1*	0	-
5-9	0	-	2	0.1*	1	0.0*	1	0.0*	1	0.0*	0	-	1	0.0*	2	0.1*	0	-
10-14	1	0.0*	3	0.1*	1	0.0*	0	-	0	-	1	0.0*	3	0.1*	3	0.1*	2	0.1*
15-24	2	0.0*	1	0.0*	2	0.0*	2	0.0*	4	0.1*	0	-	1	0.0*	2	0.0*	1	0.0*
25-34	1	0.0*	3	0.1*	4	0.1*	3	0.1*	4	0.1*	3	0.1*	3	0.1*	6	0.1*	5	0.1*
35-44	2	0.0*	6	0.1*	1	0.0*	0	-	5	0.1*	1	0.0*	1	0.0*	4	0.1*	8	0.2*
45-54	4	0.1*	7	0.1*	3	0.1*	2	0.0*	5	0.1*	1	0.0*	3	0.1*	6	0.1*	6	0.1*
55-64	2	0.0*	3	0.1*	5	0.1*	5	0.1*	6	0.1*	5	0.1*	7	0.1*	5	0.1*	3	0.1*
65+	3	0.1*	12	0.3*	5	0.1*	7	0.1*	7	0.1*	9	0.2*	9	0.2*	9	0.2*	9	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.

Brucellosis, Cases by Race/Ethnicity, California, 2011-2019

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
				YEAR OF ESTIMATED ILLNESS ONSET					
TOTAL	15	38	22	21	32	20	30	38	34
WHITE, NON-HISPANIC	0	6	1	2	2	1	7	4	7
HISPANIC	13	28	18	15	24	15	16	29	21
ASIAN/PACIFIC ISLANDER	1	1	2	0	1	2	2	2	1
BLACK, NON-HISPANIC	0	0	0	0	1	0	0	0	2
AMERICAN INDIAN/ALASKA NATIVE	0	1	0	0	0	0	0	0	2
MULTIPLE RACE	1	0	0	1	0	0	0	0	0
OTHER	0	2	1	1	0	2	2	1	0
UNKNOWN	0	0	0	2	4	0	3	2	1

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

Brucellosis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2011-2019
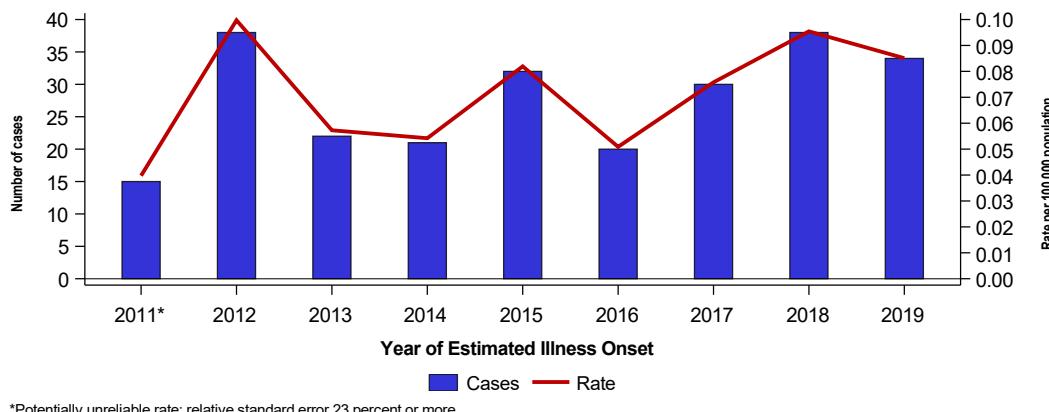

*Potentially unreliable rate: relative standard error 23 percent or more.

Brucellosis Average Incidence Rates by Age Group, California, 2011-2019
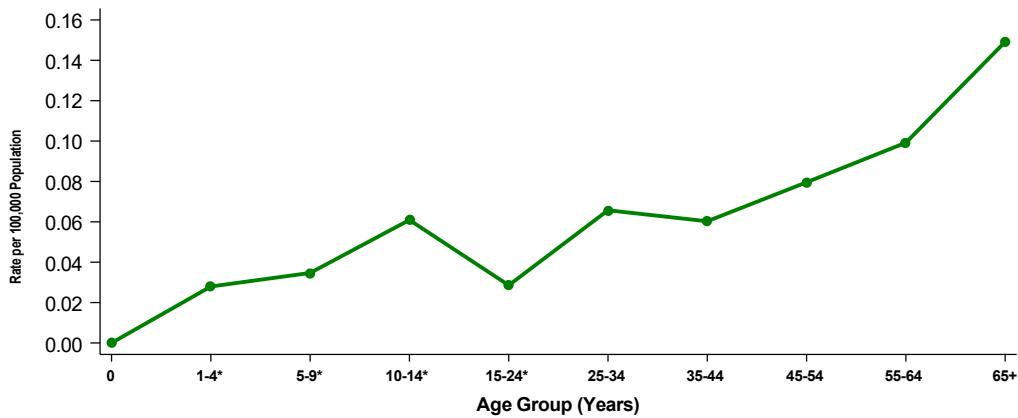
*Potentially unreliable rate: relative standard error 23 percent or more.

Brucellosis Cases and Population by Race/Ethnicity, California, 2011-2019
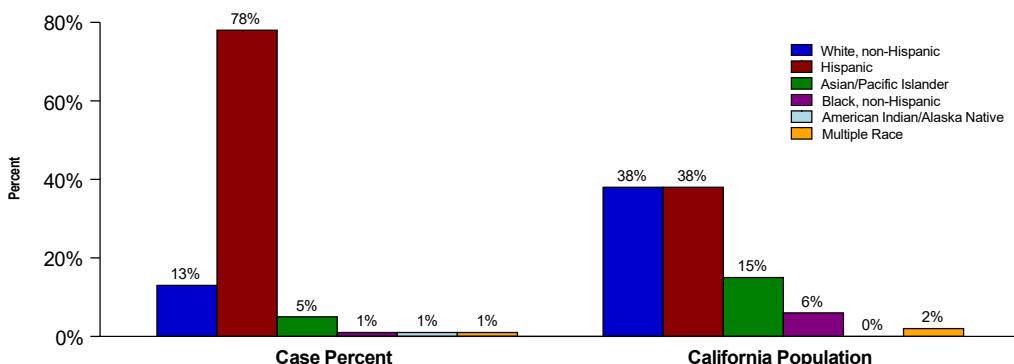
4.8% (n=12) of reported incidents of Brucellosis did not identify race/ethnicity and 3.6% (n=9) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Campylobacteriosis

Campylobacteriosis, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
CALIFORNIA TOTAL	6,759	17.9	8,044	21.1	7,696	20.0	7,938	20.5	8,353	21.4	8,556	21.8	9,489	24.0	9,277	23.3	10,001	25.0
ALAMEDA COUNTY TOTAL	360	23.5	417	26.8	409	25.9	391	24.4	444	27.4	460	28.1	537	32.5	538	32.4	486	29.0
ALAMEDA	326	23.1	361	25.2	371	25.5	352	23.9	408	27.3	429	28.4	488	32.0	500	32.6	460	29.8
BERKELEY	34	29.7	56	48.4	38	32.6	39	33.1	36	30.2	31	25.8	49	40.5	38	31.2	26	21.2
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	7	18.9*	9	24.6*	6	16.6*	8	22.0*	7	19.2*	7	19.0*	6	16.0*	8	21.0*	3	7.8*
BUTTE	49	22.2	60	27.0	38	17.1	42	18.8	61	27.2	101	44.9	97	42.8	94	41.3	103	47.5
CALAVERAS	11	24.2*	9	19.9*	6	13.3*	11	24.4*	8	17.8*	7	15.6*	14	31.4*	8	17.9*	9	20.3*
COLUSA	4	18.7*	5	23.3*	9	41.7*	7	32.4*	6	27.5*	10	45.3*	9	40.4*	3	13.5*	8	35.6*
CONTRA COSTA	276	25.9	268	24.9	260	23.8	226	20.5	222	19.9	307	27.2	308	27.1	329	28.7	333	28.9
DEL NORTE	2	7.1*	7	25.0*	1	3.6*	1	3.7*	1	3.7*	6	22.3*	3	11.2*	5	18.2*	3	10.9*
EL DORADO	20	11.0	15	8.3*	32	17.5	31	17.0	34	18.6	36	19.5	52	27.9	43	22.7	32	16.7
FRESNO	258	27.3	379	39.8	419	43.6	350	36.1	350	35.7	308	31.2	343	34.3	281	27.8	315	30.8
GLENN	7	24.7*	9	32.0*	10	35.4*	10	35.3*	10	35.3*	4	14.1*	9	31.4*	5	17.4*	5	17.1*
HUMBOLDT	26	19.2	41	30.4	30	22.2	35	26.0	23	17.0	35	25.8	17	12.5*	15	11.0*	40	29.6
IMPERIAL	39	21.9	65	36.2	50	27.7	43	23.5	33	17.8	28	15.0	38	20.2	46	24.3	83	43.7
INYO	1	5.4*	1	5.4*	2	10.8*	5	26.8*	1	5.4*	2	10.7*	2	10.8*	5	27.0*	1	5.4*
KERN	301	35.4	280	32.6	344	39.6	353	40.3	305	34.5	223	25.1	336	37.4	220	24.3	265	28.9
KINGS	9	5.9*	26	17.3	17	11.3*	35	23.4	33	22.0	34	22.8	38	25.2	46	30.0	34	22.0
LAKE	6	9.2*	9	13.8*	4	6.2*	8	12.3*	7	10.8*	13	20.2*	13	20.0*	9	13.8*	13	20.0*
LASSEN	0	-	0	-	0	-	4	12.6*	3	9.7*	8	26.2*	1	3.3*	4	13.1*	5	16.7*
LOS ANGELES COUNTY TOTAL	1,310	13.2	1,603	16.0	1,785	17.7	1,573	15.5	1,718	16.9	1,655	16.2	1,862	18.2	2,002	19.5	2,250	21.9
LOS ANGELES	1,228	13.2	1,495	16.0	1,675	17.7	1,479	15.6	1,616	17.0	1,551	16.3	1,769	18.5	1,877	19.6	2,125	22.2
LONG BEACH	52	11.2	71	15.1	61	12.9	62	13.1	68	14.3	74	15.6	56	11.8	90	19.0	87	18.4
PASADENA	30	21.6	37	26.5	49	34.9	32	22.7	34	24.1	30	21.2	37	25.8	35	24.3	38	26.3
MADERA	43	28.3	47	31.1	51	33.5	63	40.9	51	33.0	54	34.8	50	31.9	59	37.2	59	37.1
MARIN	94	36.9	91	35.5	60	23.2	102	39.0	139	53.1	103	39.2	134	51.1	119	45.4	108	41.3
MARIPOSA	0	-	1	5.5*	1	5.5*	5	27.6*	3	16.6*	3	16.6*	1	5.6*	0	-	2	11.2*
MENDOCINO	24	27.5	45	51.1	32	36.3	26	29.4	39	44.2	27	30.4	32	36.0	41	46.1	46	51.9
MERCED	49	18.8	80	30.4	55	20.8	70	26.2	71	26.3	80	29.4	54	19.5	64	22.9	78	27.5
MODOC	0	-	1	10.4*	1	10.4*	2	20.9*	1	10.5*	0	-	1	10.5*	0	-	2	21.1*
MONO	1	7.0*	4	28.3*	3	21.5*	6	42.9*	5	35.9*	6	43.4*	5	36.0*	8	57.9*	4	28.8*
MONTEREY	88	20.9	101	23.8	78	18.2	76	17.7	69	15.8	56	12.7	68	15.4	64	14.4	76	17.0
NAPA	46	33.5	53	38.1	31	22.2	42	29.9	56	39.7	54	38.2	34	24.1	61	43.4	43	30.7
NEVADA	24	24.3	23	23.4	12	12.3*	9	9.1*	14	14.3*	16	16.3*	14	14.2*	24	24.3	23	23.3
ORANGE	346	11.3	417	13.5	359	11.5	394	12.6	396	12.5	484	15.2	523	16.3	556	17.3	631	19.6
PLACER	54	15.2	80	22.2	66	18.1	67	18.2	72	19.4	80	21.2	78	20.4	82	21.1	104	26.3
PLUMAS	1	5.0*	0	-	1	5.3*	1	5.3*	4	21.5*	2	10.7*	0	-	1	5.3*	1	5.3*
RIVERSIDE	166	7.4	274	12.1	220	9.7	230	10.0	258	11.1	247	10.5	342	14.3	314	13.0	304	12.4
SACRAMENTO	200	13.9	199	13.7	259	17.8	238	16.1	313	21.0	316	21.0	388	25.5	359	23.4	376	24.2
SAN BENITO	13	23.2*	5	8.8*	5	8.7*	6	10.3*	6	10.2*	12	20.1*	7	11.6*	21	34.2	39	62.1
SAN BERNARDINO	180	8.7	191	9.2	195	9.3	225	10.7	230	10.8	211	9.8	265	12.3	253	11.6	274	12.5
SAN DIEGO	545	17.4	728	22.9	589	18.3	841	25.9	646	19.7	789	23.9	884	26.6	831	24.8	999	29.8
SAN FRANCISCO	405	49.3	451	54.0	394	46.6	389	45.5	517	59.8	458	52.5	422	47.9	465	52.4	447	50.3
SAN JOAQUIN	218	31.3	173	24.7	187	26.5	207	28.8	251	34.5	230	31.1	259	34.5	232	30.5	233	30.2
SAN LUIS OBISPO	87	32.1	77	28.2	79	28.8	72	26.1	75	27.1	62	22.3	70	25.1	47	16.8	51	18.3
SAN MATEO	252	34.5	259	34.9	206	27.5	220	29.1	242	31.7	270	35.1	294	38.1	260	33.6	286	36.8
SANTA BARBARA	108	25.3	107	24.8	101	23.2	115	26.1	113	25.4	113	25.3	108	24.0	99	21.9	125	27.5
SANTA CLARA	413	22.7	483	26.2	423	22.6	399	21.1	487	25.4	561	29.0	569	29.2	531	27.1	563	28.7
SANTA CRUZ	54	20.3	87	32.4	53	19.6	57	20.9	88	32.0	75	27.2	87	31.6	80	29.1	71	25.9
SHASTA	14	7.9*	16	9.0*	22	12.3	30	16.8	23	12.9	21	11.8	29	16.3	24	13.5	28	15.7
SIERRA	0	-	1	31.2*	0	-	0	-	1	31.7*	1	31.8*	0	-	0	-	1	32.0*
SISKIYOU	10	22.3*	10	22.3*	9	20.1*	18	40.3*	15	33.7*	21	47.3*	5	11.3*	8	18.1*	7	15.9*
SOLANO	35	8.4	86	20.6	70	16.6	84	19.7	116	27.0	154	35.5	136	31.1	127	28.9	111	25.1
SONOMA	114	23.4	148	30.2	136	27.5	140	28.1	52	10.4	60	11.9	184	36.6	191	38.2	187	37.5
STANISLAUS	146	28.1	175	33.4	116	22.0	190	35.7	190	35.3	206	37.9	229	41.6	217	39.1	242	43.3
SUTTER	14	14.8*	14	14.7*	24	24.8	26	27.0	24	24.7	22	22.5	17	17.1*	22	21.7	26	25.1
TEHAMA	16	25.3*	12	19.0*	18	28.5*	16	25.3*	23	36.2	19	29.7	14	21.8*	18	27.8*	26	39.7
TRINITY	0	-	0	-	1	7.3*	3	22.0*	2	14.8*	0	-	0	-	2	14.9*	1	7.5*
TULARE	122	27.2	146	32.2	193	42.3	175	38.1	207	44.6	216	46.2	158	33.5	99	20.8	129	26.9
TUOLUMNE	3	5.5*	3	5.6*	5	9.2*	3	5.6*	6	11.2*	11	20.6*	7	13.2*	6	11.4*	4	7.6*
VENTURA	104	12.5	183	21.8	148	17.5	164	19.3	203	23.8	203	23.8	260	30.4	259	30.3	235	27.5
YOLO	73	35.9	50	24.3	50	24.0	71	33.8	63	29.6	54	24.9	57	25.9	58	26.1	50	22.4
YUBA	11	15.1*	20	27.3	21	28.6	23	31.2	16	21.5*	15	19.9*	19	24.8	14	18.1*	21	26.8

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.

Campylobacteriosis

Campylobacteriosis, Cases by Month of Estimated Illness Onset, California, 2011-2019

MONTH	YEAR OF ESTIMATED ILLNESS ONSET
	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	6,759	8,044	7,696	7,938	8,353	8,556	9,489	9,277	10,001
JANUARY	505	575	537	507	571	591	694	582	784
FEBRUARY	373	452	403	387	483	469	560	531	577
MARCH	434	521	481	450	597	490	608	610	662
APRIL	443	637	595	558	712	632	700	708	736
MAY	611	768	727	715	729	731	919	815	863
JUNE	680	786	848	803	800	950	1,085	964	1,093
JULY	719	913	945	889	840	975	1,075	1,044	1,255
AUGUST	766	892	830	925	827	903	978	1,013	1,120
SEPTEMBER	667	723	663	721	766	759	854	747	821
OCTOBER	607	707	656	800	784	741	798	813	807
NOVEMBER	487	598	534	594	676	675	719	778	680
DECEMBER	467	472	477	589	568	640	499	672	603

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

Campylobacteriosis, Cases and Rates by Age Group, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET
	\multicolumn{2}{c}{2011}	\multicolumn{2}{c}{2012}	\multicolumn{2}{c}{2013}	\multicolumn{2}{c}{2014}	\multicolumn{2}{c}{2015}	\multicolumn{2}{c}{2016}	\multicolumn{2}{c}{2017}	\multicolumn{2}{c}{2018}	\multicolumn{2}{c}{2019}
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	6,759	17.9	8,044	21.1	7,696	20.0	7,938	20.5	8,353	21.4	8,556	21.8	9,489	24.0	9,277	23.3	10,001	25.0
0	156	30.6	214	43.1	222	44.5	181	36.3	203	40.5	183	37.5	173	35.9	159	34.4	163	36.0
1-4	800	39.6	870	43.1	894	44.7	873	43.7	803	40.1	766	38.6	789	40.0	716	36.6	760	39.6
5-9	438	17.4	583	22.9	552	21.5	518	20.1	506	19.6	493	19.0	491	19.1	412	16.1	463	18.2
10-14	321	12.5	386	15.2	303	12.0	398	15.8	368	14.6	361	14.2	387	15.1	373	14.4	379	14.6
15-24	874	15.4	959	16.7	961	16.6	1,021	17.5	1,065	18.1	1,058	17.9	1,190	20.1	1,147	19.5	1,146	19.6
25-34	949	17.7	1,127	20.8	1,102	20.3	1,101	20.3	1,303	24.1	1,344	24.9	1,474	27.3	1,442	26.6	1,615	29.7
35-44	768	14.9	939	18.2	865	16.8	873	17.0	961	18.8	967	18.9	1,158	22.4	1,124	21.5	1,219	23.2
45-54	781	14.9	979	18.7	893	17.1	898	17.2	979	18.8	1,083	20.9	1,134	22.1	1,222	24.1	1,248	25.0
55-64	733	17.4	844	19.5	801	18.1	888	19.7	977	21.2	1,051	22.3	1,192	24.9	1,197	24.7	1,370	28.1
65+	902	20.4	1,099	23.8	1,053	21.9	1,146	22.9	1,169	22.4	1,223	22.6	1,479	26.4	1,458	25.1	1,618	26.9
UNKNOWN	37	-	44	-	50	-	41	-	19	-	27	-	22	-	27	-	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 by Race/Ethnicity, California, 2011-2019

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET
	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	6,759	8,044	7,696	7,938	8,353	8,556	9,489	9,277	10,001
WHITE, NON-HISPANIC	1,295	1,670	1,453	1,549	2,200	2,416	3,122	2,828	3,212
HISPANIC	1,164	1,280	1,122	1,245	1,278	1,478	1,745	1,585	1,795
ASIAN/PACIFIC ISLANDER	250	304	233	250	339	469	605	655	760
BLACK, NON-HISPANIC	83	101	97	106	120	172	193	205	212
AMERICAN INDIAN/ALASKA NATIVE	9	11	16	19	15	11	25	25	27
MULTIPLE RACE	17	16	14	10	18	10	13	22	18
OTHER	71	83	88	147	320	686	1,111	1,120	1,404
UNKNOWN	3,870	4,579	4,673	4,612	4,063	3,314	2,675	2,837	2,573

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

Campylobacteriosis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2011-2019
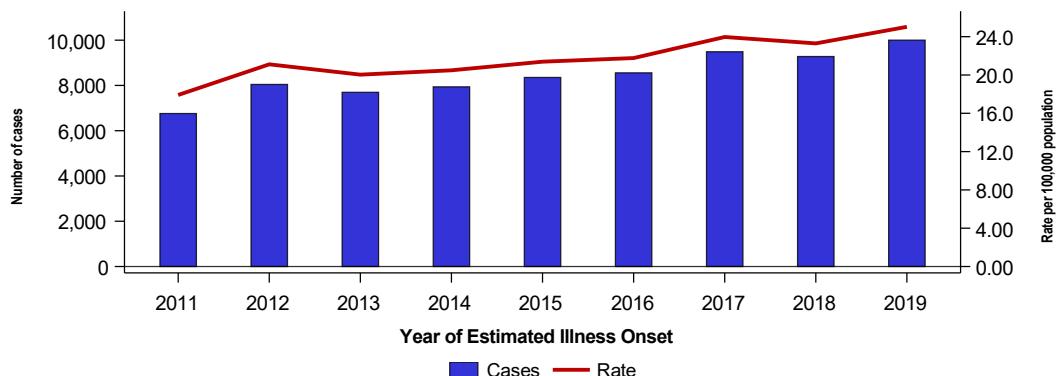
Campylobacteriosis Incidence Rates by Age Group and Year of Estimated Illness Onset, California, 2011-2019
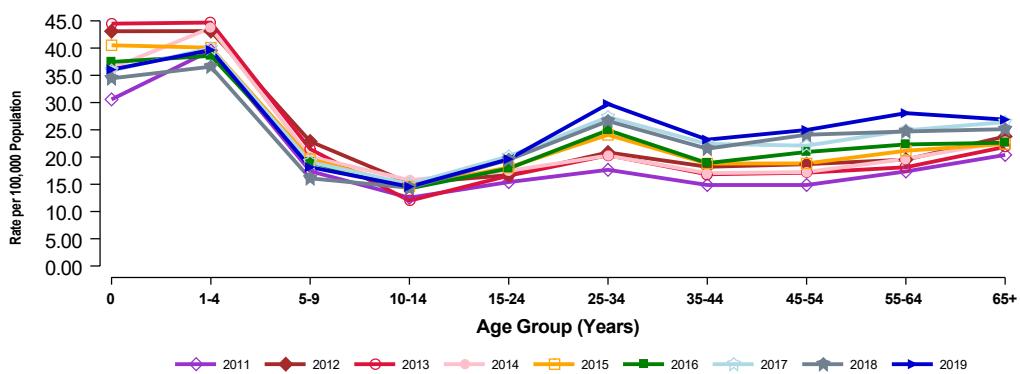
Campylobacteriosis Cases and Population by Race/Ethnicity, California, 2011-2019
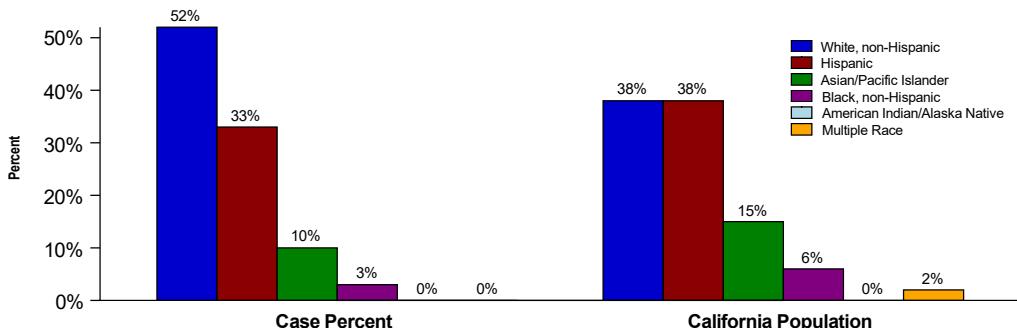
43.6% (n=33196) of reported incidents of Campylobacteriosis did not identify race/ethnicity and 6.6% (n=5030) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Chikungunya Virus Infection

Chikungunya Virus Infection, Cases and Rates by Health Jurisdiction, California, 2011-2019

|	2011		2012		2013		2014		2015		2016		2017		2018		2019	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	-		-		-		-		-		42		36	0.1	28	0.1	34	0.1
ALAMEDA COUNTY TOTAL	-		-		-		-		-		9		3	0.2*	4	0.2*	5	0.3*
ALAMEDA	-		-		-		-		-		9		3	0.2*	4	0.3*	5	0.3*
BERKELEY	-		-		-		-		-		0		0	-	0	-	0	-
ALPINE	-		-		-		-		-		0		0	-	0	-	0	-
AMADOR	-		-		-		-		-		0		0	-	0	-	0	-
BUTTE	-		-		-		-		-		0		0	-	0	-	0	-
CALAVERAS	-		-		-		-		-		0		0	-	0	-	0	-
COLUSA	-		-		-		-		-		0		0	-	0	-	0	-
CONTRA COSTA	-		-		-		-		-		1		4	0.4*	1	0.1*	1	0.1*
DEL NORTE	-		-		-		-		-		0		0	-	0	-	0	-
EL DORADO	-		-		-		-		-		1		0	-	0	-	0	-
FRESNO	-		-		-		-		-		1		0	-	0	-	0	-
GLENN	-		-		-		-		-		0		0	-	0	-	0	-
HUMBOLDT	-		-		-		-		-		0		0	-	0	-	0	-
IMPERIAL	-		-		-		-		-		0		0	-	0	-	0	-
INYO	-		-		-		-		-		0		0	-	0	-	0	-
KERN	-		-		-		-		-		0		0	-	0	-	1	0.1*
KINGS	-		-		-		-		-		0		0	-	0	-	0	-
LAKE	-		-		-		-		-		0		0	-	0	-	0	-
LASSEN	-		-		-		-		-		0		0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	-		-		-		-		-		3		11	0.1*	8	0.1*	2	0.0*
LOS ANGELES	-		-		-		-		-		3		11	0.1*	8	0.1*	2	0.0*
LONG BEACH	-		-		-		-		-		0		0	-	0	-	0	-
PASADENA	-		-		-		-		-		0		0	-	0	-	0	-
MADERA	-		-		-		-		-		0		0	-	0	-	0	-
MARIN	-		-		-		-		-		0		0	-	0	-	1	0.4*
MARIPOSA	-		-		-		-		-		0		0	-	0	-	0	-
MENDOCINO	-		-		-		-		-		0		0	-	0	-	0	-
MERCED	-		-		-		-		-		0		0	-	0	-	0	-
MODOC	-		-		-		-		-		0		0	-	0	-	0	-
MONO	-		-		-		-		-		0		0	-	0	-	0	-
MONTEREY	-		-		-		-		-		0		0	-	0	-	0	-
NAPA	-		-		-		-		-		0		0	-	0	-	0	-
NEVADA	-		-		-		-		-		0		0	-	0	-	1	1.0*
ORANGE	-		-		-		-		-		1		2	0.1*	0	-	2	0.1*
PLACER	-		-		-		-		-		0		0	-	0	-	0	-
PLUMAS	-		-		-		-		-		0		0	-	0	-	0	-
RIVERSIDE	-		-		-		-		-		0		0	-	0	-	2	0.1*
SACRAMENTO	-		-		-		-		-		0		1	0.1*	1	0.1*	1	0.1*
SAN BENITO	-		-		-		-		-		0		0	-	0	-	0	-
SAN BERNARDINO	-		-		-		-		-		2		0	-	0	-	0	-
SAN DIEGO	-		-		-		-		-		4		3	0.1*	5	0.1*	3	0.1*
SAN FRANCISCO	-		-		-		-		-		2		0	-	1	0.1*	3	0.3*
SAN JOAQUIN	-		-		-		-		-		0		1	0.1*	0	-	0	-
SAN LUIS OBISPO	-		-		-		-		-		0		0	-	0	-	1	0.4*
SAN MATEO	-		-		-		-		-		4		1	0.1*	1	0.1*	1	0.1*
SANTA BARBARA	-		-		-		-		-		0		0	-	0	-	1	0.2*
SANTA CLARA	-		-		-		-		-		12		10	0.5*	5	0.3*	9	0.5*
SANTA CRUZ	-		-		-		-		-		0		0	-	0	-	0	-
SHASTA	-		-		-		-		-		0		0	-	0	-	0	-
SIERRA	-		-		-		-		-		0		0	-	0	-	0	-
SISKIYOU	-		-		-		-		-		0		0	-	0	-	0	-
SOLANO	-		-		-		-		-		0		0	-	0	-	0	-
SONOMA	-		-		-		-		-		0		0	-	0	-	0	-
STANISLAUS	-		-		-		-		-		0		0	-	1	0.2*	0	-
SUTTER	-		-		-		-		-		1		0	-	0	-	0	-
TEHAMA	-		-		-		-		-		0		0	-	1	1.5*	0	-
TRINITY	-		-		-		-		-		0		0	-	0	-	0	-
TULARE	-		-		-		-		-		0		0	-	0	-	0	-
TUOLUMNE	-		-		-		-		-		0		0	-	0	-	0	-
VENTURA	-		-		-		-		-		1		0	-	0	-	0	-
YOLO	-		-		-		-		-		0		0	-	0	-	0	-
YUBA	-		-		-		-		-		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, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET								
MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	-	-	-	-	-	42	36	28	34
JANUARY	-	-	-	-	-	-	3	1	2
FEBRUARY	-	-	-	-	-	-	2	0	1
MARCH	-	-	-	-	-	-	3	2	0
APRIL	-	-	-	-	-	-	1	0	1
MAY	-	-	-	-	-	-	4	4	1
JUNE	-	-	-	-	-	1	5	3	3
JULY	-	-	-	-	-	6	4	6	6
AUGUST	-	-	-	-	-	9	2	9	6
SEPTEMBER	-	-	-	-	-	7	6	0	3
OCTOBER	-	-	-	-	-	8	3	2	5
NOVEMBER	-	-	-	-	-	6	1	0	3
DECEMBER	-	-	-	-	-	5	2	1	3

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 Age Group, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET																	
	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	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	34	0.1
0	-		-		-		-		-		0		0	-	0	-	1	0.2*
1-4	-		-		-		-		-		0		0	-	1	0.1*	0	-
5-9	-		-		-		-		-		2		1	0.0*	0	-	0	-
10-14	-		-		-		-		-		0		0	-	1	0.0*	0	-
15-24	-		-		-		-		-		3		2	0.0*	1	0.0*	3	0.1*
25-34	-		-		-		-		-		6		5	0.1*	6	0.1*	6	0.1*
35-44	-		-		-		-		-		13		8	0.2*	6	0.1*	4	0.1*
45-54	-		-		-		-		-		6		11	0.2*	3	0.1*	12	0.2*
55-64	-		-		-		-		-		4		7	0.1*	6	0.1*	5	0.1*
65+	-		-		-		-		-		8		2	0.0*	4	0.1*	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.
Note: Required reporting of Chikungunya Virus Infection began June 1, 2016.

Chikungunya Virus Infection, Cases by Race/Ethnicity, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET								
RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	-	-	-	-	-	42	36	28	34
WHITE, NON-HISPANIC	-	-	-	-	-	4	0	7	6
HISPANIC	-	-	-	-	-	5	5	3	3
ASIAN/PACIFIC ISLANDER	-	-	-	-	-	24	21	9	14
BLACK, NON-HISPANIC	-	-	-	-	-	0	1	0	1
AMERICAN INDIAN/ALASKA NATIVE	-	-	-	-	-	0	0	0	0
MULTIPLE RACE	-	-	-	-	-	0	0	1	0
OTHER	-	-	-	-	-	0	1	0	0
UNKNOWN	-	-	-	-	-	9	8	8	10

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, 2017-2019
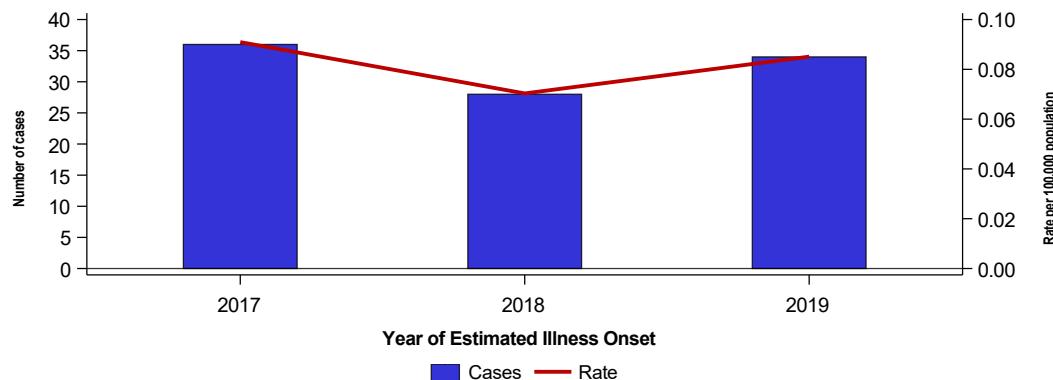
Chikungunya Virus Infection Cases and Population by Race/Ethnicity, California, 2017-2019
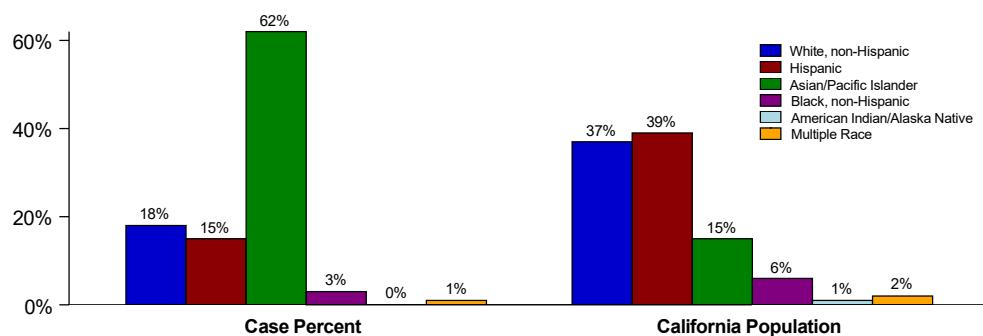
26.5% (n=26) of reported incidents of Chikungunya Virus Infection did not identify race/ethnicity and 1% (n=1) of incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Cholera

Cholera, Cases and Rates by Health Jurisdiction, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	1	0.0*	0	-	0	-	0	-	0	-	1	0.0*	0	-	3	0.0*	0	-
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	2	0.1*	0	-
ALAMEDA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	2	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	-	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	-	1	0.0*	0	-	0	-	0	-
SAN FRANCISCO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN JOAQUIN	1	0.1*	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	-	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	-	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.

Cholera

Cholera, Cases by Month of Estimated Illness Onset, California, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	1	0	0	0	0	1	0	3	0
JANUARY	0	0	0	0	0	0	0	0	0
FEBRUARY	0	0	0	0	0	0	0	1	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	0	0	1	0	0	0
AUGUST	1	0	0	0	0	0	0	0	0
SEPTEMBER	0	0	0	0	0	0	0	1	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	1	0

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

Cholera, Cases and Rates by Age Group, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

AGE GROUP	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
TOTAL	1	0.0*	0	-	0	-	0	-	0	-	1	0.0*	0	-	3	0.0*	0	-
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*	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	-	1	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	-	0	-	0	-
55-64	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	2	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.

Cholera, Cases by Race/Ethnicity, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	1	0	0	0	0	1	0	3	0
WHITE, NON-HISPANIC	0	0	0	0	0	0	0	1	0
HISPANIC	0	0	0	0	0	0	0	0	0
ASIAN/PACIFIC ISLANDER	1	0	0	0	0	1	0	2	0
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	0	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	0	0	0
OTHER	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, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	2011 RATE	2012 CASES	2012 RATE	2013 CASES	2013 RATE	2014 CASES	2014 RATE	2015 CASES	2015 RATE	2016 CASES	2016 RATE	2017 CASES	2017 RATE	2018 CASES	2018 RATE	2019 CASES	2019 RATE
CALIFORNIA TOTAL	106	0.3	184	0.5	154	0.4	277	0.7	243	0.6	134	0.3	268	0.7	338	0.8	277	0.7
ALAMEDA COUNTY TOTAL	2	0.1*	8	0.5*	13	0.8*	16	1.0*	5	0.3*	4	0.2*	7	0.4*	7	0.4*	6	0.4*
ALAMEDA	2	0.1*	7	0.5*	12	0.8*	12	0.8*	5	0.3*	3	0.2*	7	0.5*	7	0.5*	5	0.3*
BERKELEY	0	-	1	0.9*	1	0.9*	4	3.4*	0	-	1	0.8*	0	-	0	-	1	0.8*
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	1	2.7*	1	2.7*	1	2.6*	0	-
BUTTE	0	-	0	-	0	-	1	0.4*	0	-	0	-	0	-	2	0.9*	0	-
CALAVERAS	0	-	0	-	0	-	1	2.2*	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	10	0.9*	5	0.5*	11	1.0*	13	1.2*	5	0.4*	2	0.2*	4	0.4*	7	0.6*	5	0.4*
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	1	0.5*	1	0.5*	0	-	0	-	5	2.6*	1	0.5*
FRESNO	1	0.1*	1	0.1*	0	-	3	0.3*	0	-	0	-	2	0.2*	3	0.3*	4	0.4*
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	2	1.5*	0	-	1	0.7*	1	0.7*	0	-	5	3.7*	0	-
IMPERIAL	4	2.2*	0	-	0	-	0	-	1	0.5*	0	-	0	-	1	0.5*	8	4.2*
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	2	0.2*	0	-	3	0.3*	4	0.5*	5	0.6*	2	0.2*	5	0.6*	6	0.7*
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	1	1.6*	0	-	2	3.1*	0	-
LASSEN	0	-	1	3.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	21	0.2	30	0.3	29	0.3	52	0.5	47	0.5	29	0.3	59	0.6	54	0.5	57	0.6
LOS ANGELES	20	0.2	29	0.3	26	0.3	52	0.5	45	0.5	27	0.3	56	0.6	50	0.5	54	0.6
LONG BEACH	1	0.2*	1	0.2*	1	0.2*	0	-	2	0.4*	2	0.4*	1	0.2*	4	0.8*	2	0.4*
PASADENA	0	-	0	-	2	1.4*	0	-	0	-	0	-	2	1.4*	0	-	1	0.7*
MADERA	0	-	0	-	0	-	0	-	1	0.6*	0	-	0	-	1	0.6*	2	1.3*
MARIN	2	0.8*	1	0.4*	6	2.3*	11	4.2*	10	3.8*	3	1.1*	10	3.8*	8	3.0*	7	2.7*
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	1	1.1*	0	-	0	-	0	-	8	9.0*	3	3.4*
MERCED	0	-	1	0.4*	0	-	1	0.4*	0	-	2	0.7*	1	0.4*	0	-	2	0.7*
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	1	7.1*	1	7.2*	0	-	1	7.2*	0	-	0	-	0	-	0	-
MONTEREY	3	0.7*	4	0.9*	1	0.2*	1	0.2*	1	0.2*	1	0.2*	4	0.9*	5	1.1*	2	0.4*
NAPA	0	-	1	0.7*	2	1.4*	3	2.1*	0	-	0	-	0	-	5	3.6*	2	1.4*
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.0*	2	2.0*
ORANGE	14	0.5*	14	0.5*	16	0.5*	22	0.7	28	0.9	13	0.4*	20	0.6	30	0.9	23	0.7
PLACER	1	0.3*	0	-	2	0.5*	2	0.5*	2	0.5*	1	0.3*	3	0.8*	1	0.3*	2	0.5*
PLUMAS	0	-	0	-	0	-	0	-	1	5.4*	0	-	0	-	0	-	0	-
RIVERSIDE	2	0.1*	5	0.2*	6	0.3*	11	0.5*	11	0.5*	12	0.5*	6	0.3*	9	0.4*	10	0.4*
SACRAMENTO	5	0.3*	5	0.3*	5	0.3*	7	0.5*	5	0.3*	2	0.1*	4	0.3*	4	0.3*	10	0.6*
SAN BENITO	0	-	0	-	0	-	1	1.7*	0	-	0	-	0	-	1	1.6*	3	4.8*
SAN BERNARDINO	2	0.1*	0	-	4	0.2*	7	0.3*	6	0.3*	3	0.1*	5	0.2*	11	0.5*	2	0.1*
SAN DIEGO	14	0.4*	40	1.3	14	0.4*	35	1.1	46	1.4	30	0.9	50	1.5	59	1.8	41	1.2
SAN FRANCISCO	7	0.9*	14	1.7*	15	1.8*	18	2.1*	19	2.2	4	0.5*	16	1.8*	9	1.0*	13	1.5*
SAN JOAQUIN	2	0.3*	6	0.9*	2	0.3*	4	0.6*	4	0.5*	3	0.4*	3	0.4*	3	0.4*	2	0.3*
SAN LUIS OBISPO	3	1.1*	4	1.5*	3	1.1*	1	0.4*	4	1.4*	0	-	4	1.4*	6	2.1*	0	-
SAN MATEO	1	0.1*	8	1.1*	4	0.5*	13	1.7*	4	0.5*	3	0.4*	3	0.4*	12	1.5*	6	0.8*
SANTA BARBARA	1	0.2*	4	0.9*	3	0.7*	2	0.5*	7	1.6*	2	0.4*	12	2.7*	19	4.2	6	1.3*
SANTA CLARA	5	0.3*	14	0.8*	6	0.3*	18	1.0*	8	0.4*	2	0.1*	22	1.1	16	0.8*	17	0.9*
SANTA CRUZ	2	0.8*	2	0.7*	0	-	4	1.5*	4	1.5*	2	0.7*	2	0.7*	2	0.7*	6	2.2*
SHASTA	0	-	0	-	0	-	0	-	0	-	0	-	1	0.6*	0	-	1	0.6*
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	2	0.5*	1	0.2*	1	0.2*	1	0.2*	2	0.5*	0	-	2	0.5*	2	0.5*	1	0.2*
SONOMA	0	-	2	0.4*	3	0.6*	5	1.0*	5	1.0*	3	0.6*	4	0.8*	2	0.4*	10	2.0*
STANISLAUS	0	-	4	0.8*	1	0.2*	5	0.9*	1	0.2*	1	0.2*	2	0.4*	2	0.4*	3	0.5*
SUTTER	0	-	0	-	0	-	3	3.1*	1	1.0*	1	1.0*	1	1.0*	0	-	2	1.9*
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	-	2	0.4*	2	0.4*	0	-
TUOLUMNE	1	1.8*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	1	0.1*	5	0.6*	2	0.2*	8	0.9*	7	0.8*	2	0.2*	14	1.6*	25	2.9	9	1.1*
YOLO	0	-	1	0.5*	2	1.0*	2	1.0*	1	0.5*	1	0.5*	1	0.5*	3	1.4*	3	1.3*
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	1	1.3*	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, 2011-2019

| MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	106	184	154	277	243	134	268	338	277
JANUARY	1	1	5	2	11	6	11	5	12
FEBRUARY	0	1	1	4	17	8	6	15	7
MARCH	0	5	1	6	15	5	11	16	10
APRIL	5	8	3	4	9	6	15	19	13
MAY	5	5	7	9	12	3	18	21	19
JUNE	12	9	14	14	29	16	13	34	26
JULY	14	32	47	39	40	22	56	67	46
AUGUST	29	44	38	97	41	37	51	71	66
SEPTEMBER	24	35	24	48	27	18	35	33	33
OCTOBER	10	22	11	30	22	6	30	27	24
NOVEMBER	4	16	3	10	8	5	13	15	10
DECEMBER	2	6	0	14	12	2	9	15	11

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

Vibrio Infection (non-Cholera), Cases and Rates by Age Group, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

AGE GROUP	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
TOTAL	106	0.3	184	0.5	154	0.4	277	0.7	243	0.6	134	0.3	268	0.7	338	0.8	277	0.7
0	0	-	1	0.2*	0	-	0	-	0	-	0	-	0	-	1	0.2*	1	0.2*
1-4	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	2	0.1*	1	0.1*
5-9	2	0.1*	5	0.2*	0	-	3	0.1*	5	0.2*	4	0.2*	2	0.1*	7	0.3*	0	-
10-14	4	0.2*	8	0.3*	8	0.3*	4	0.2*	7	0.3*	6	0.2*	8	0.3*	6	0.2*	6	0.2*
15-24	8	0.1*	15	0.3*	10	0.2*	20	0.3	25	0.4	10	0.2*	16	0.3*	20	0.3	26	0.4
25-34	23	0.4	34	0.6	29	0.5	57	1.0	52	1.0	11	0.2*	43	0.8	60	1.1	44	0.8
35-44	17	0.3*	33	0.6	33	0.6	64	1.2	39	0.8	20	0.4	54	1.0	59	1.1	45	0.9
45-54	23	0.4	36	0.7	26	0.5	51	1.0	38	0.7	31	0.6	38	0.7	43	0.8	35	0.7
55-64	15	0.4*	27	0.6	21	0.5	40	0.9	30	0.6	25	0.5	45	0.9	66	1.4	51	1.0
65+	14	0.3*	24	0.5	26	0.5	36	0.7	45	0.9	26	0.5	62	1.1	74	1.3	67	1.1
UNKNOWN	0	-	1	-	1	-	2	-	2	-	0	-	0	-	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.

Vibrio Infection (non-Cholera), Cases by Race/Ethnicity, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	106	184	154	277	243	134	268	338	277
WHITE, NON-HISPANIC	56	97	84	122	120	64	116	162	129
HISPANIC	33	41	26	58	59	34	57	69	55
ASIAN/PACIFIC ISLANDER	6	18	14	10	11	10	32	28	21
BLACK, NON-HISPANIC	1	3	3	8	9	2	5	9	6
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	1	0	0	1	1	0
MULTIPLE RACE	0	0	0	1	2	1	3	5	0
OTHER	1	1	1	4	6	1	9	13	9
UNKNOWN	9	24	26	73	36	22	45	51	57

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, 2011-2019
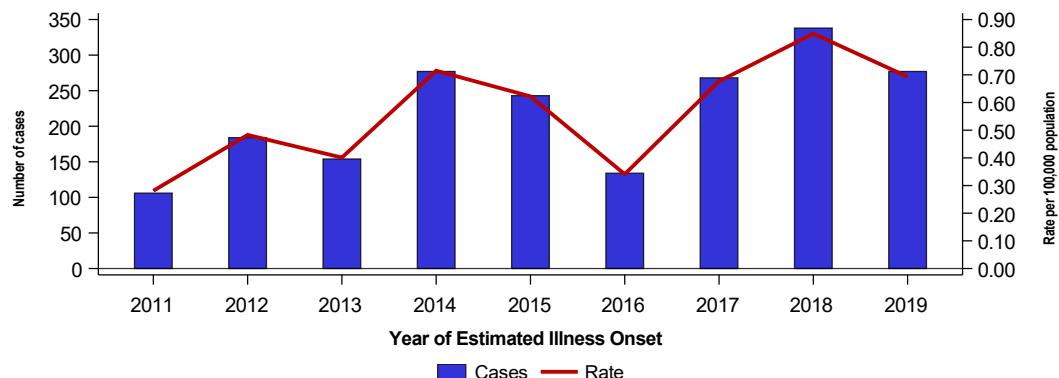
Vibrio Infection (non-Cholera) Average Incidence Rates by Age Group, California, 2011-2019
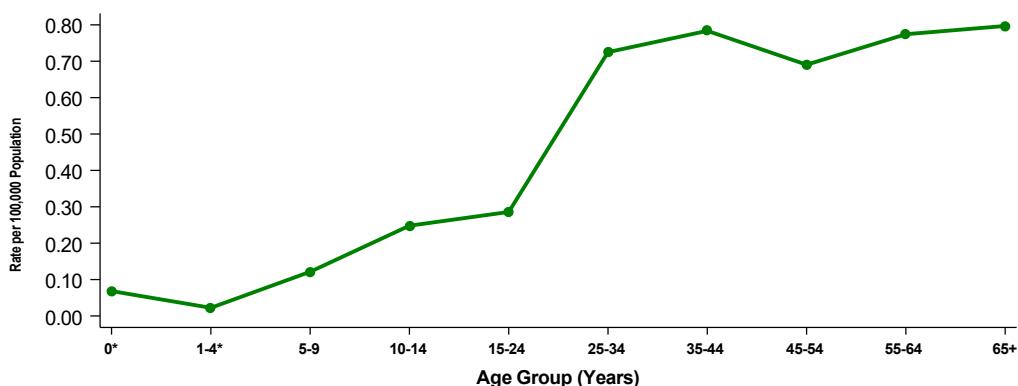
*Potentially unreliable rate: relative standard error 23 percent or more.

Vibrio Infection (non-Cholera) Cases and Population by Race/Ethnicity, California, 2011-2019
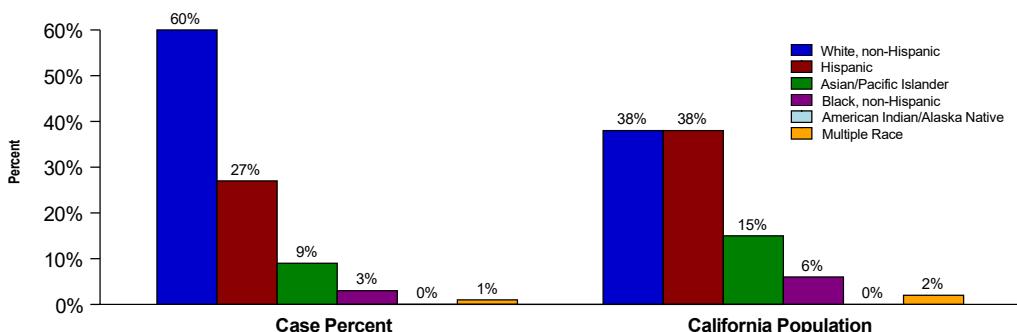
17.3% (n=343) of reported incidents of Vibrio Infection (non-Cholera) did not identify race/ethnicity and 2.3% (n=45) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Ciguatera Fish Poisoning

Ciguatera Fish Poisoning, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
CALIFORNIA TOTAL	1	0.0*	1	0.0*	2	0.0*	1	0.0*	1	0.0*	1	0.0*	3	0.0*	0	-	1	0.0*
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	1	0.1*	0	-	1	0.1*	0	-	0	-	0	-
ALAMEDA	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	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	-	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	-	2	0.0*	0	-	0	-
LOS ANGELES	0	-	0	-	0	-	0	-	0	-	0	-	2	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	1	0.2*	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	-	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	-	1	0.0*	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-
SAN FRANCISCO	0	-	0	-	0	-	0	-	1	0.1*	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	-	1	0.2*	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	-	1	0.1*	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, 2011-2019

MONTH	YEAR OF ESTIMATED ILLNESS ONSET								
	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	1	1	2	1	1	1	3	0	1
JANUARY	1	0	0	0	0	0	2	0	0
FEBRUARY	0	0	0	0	0	0	0	0	0
MARCH	0	0	1	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	1	0	0	0	0	0	0	0
JULY	0	0	0	0	0	1	0	0	1
AUGUST	0	0	0	1	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	1	0	1	0	0	0	0
DECEMBER	0	0	0	0	0	0	1	0	0

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

Ciguatera Fish Poisoning, Cases and Rates by Age Group, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET																	
	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	1	0.0*	1	0.0*	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	-
1-4	0	-	1	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	-	1	0.0*	0	-	1	0.0*	0	-	0	-	0	-	0	-
35-44	1	0.0*	0	-	0	-	0	-	0	-	0	-	2	0.0*	0	-	0	-
45-54	0	-	0	-	0	-	0	-	0	-	1	0.0*	1	0.0*	0	-	0	-
55-64	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	1	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, 2011-2019

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET								
	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	1	1	2	1	1	1	3	0	1
WHITE, NON-HISPANIC	0	0	1	1	0	0	1	0	0
HISPANIC	0	0	1	0	0	0	1	0	0
ASIAN/PACIFIC ISLANDER	1	1	0	0	0	1	0	0	0
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	0	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	1
UNKNOWN	0	0	0	0	1	0	1	0	0

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

Ciguatera Fish Poisoning Cases by Year of Estimated Illness Onset, California, 2011-2019
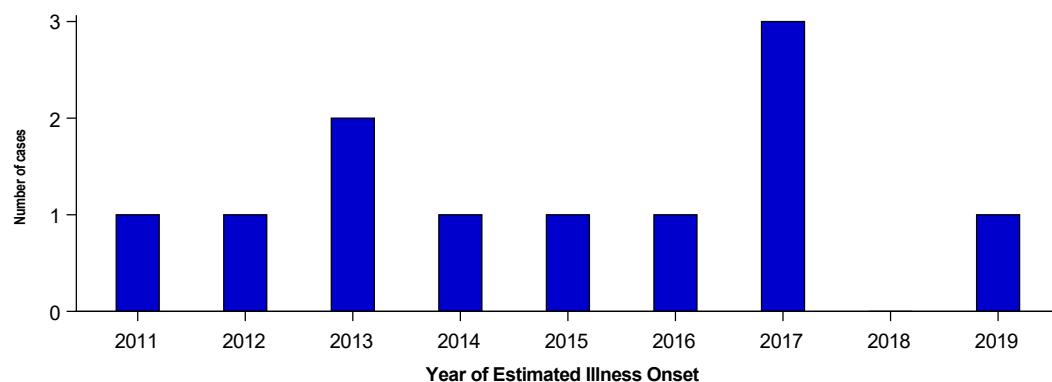
Please refer to Pages 4-8 for Technical Notes. Data are as of May 1, 2020.

Center for Infectious Diseases - Division of Communicable Disease Control - Infectious Diseases Branch - Surveillance and Statistics Section, July 2020   42

Coccidioidomycosis

Coccidioidomycosis, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
CALIFORNIA TOTAL	5,231	13.9	4,124	10.8	3,327	8.7	2,326	6.0	3,184	8.2	5,567	14.2	7,689	19.4	7,625	19.1	9,004	22.5
ALAMEDA COUNTY TOTAL	25	1.6	22	1.4	29	1.8	24	1.5	39	2.4	48	2.9	66	4.0	76	4.6	97	5.8
ALAMEDA	23	1.6	20	1.4	28	1.9	24	1.6	38	2.5	48	3.2	66	4.3	75	4.9	96	6.2
BERKELEY	2	1.7*	2	1.7*	1	0.9*	0	-	1	0.8*	0	-	0	-	1	0.8*	1	0.8*
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	3	8.1*	1	2.7*	0	-	0	-	4	11.0*	0	-	1	2.7*	7	18.4*	5	13.1*
BUTTE	4	1.8*	4	1.8*	4	1.8*	1	0.4*	0	-	3	1.3*	4	1.8*	1	0.4*	6	2.8*
CALAVERAS	1	2.2*	2	4.4*	3	6.6*	1	2.2*	1	2.2*	1	2.2*	0	-	1	2.2*	3	6.8*
COLUSA	1	4.7*	0	-	0	-	0	-	1	4.6*	1	4.5*	0	-	2	9.0*	3	13.3*
CONTRA COSTA	31	2.9	29	2.7	39	3.6	29	2.6	50	4.5	67	5.9	89	7.8	109	9.5	134	11.6
DEL NORTE	0	-	0	-	0	-	0	-	0	-	1	3.7*	0	-	0	-	0	-
EL DORADO	0	-	1	0.6*	1	0.5*	2	1.1*	1	0.5*	2	1.1*	5	2.7*	2	1.1*	5	2.6*
FRESNO	732	77.5	482	50.6	313	32.6	161	16.6	278	28.4	613	62.0	828	82.8	640	63.3	621	60.8
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	2	7.0*	0	-	2	6.9*
HUMBOLDT	1	0.7*	1	0.7*	0	-	0	-	1	0.7*	0	-	2	1.5*	0	-	2	1.5*
IMPERIAL	5	2.8*	12	6.7*	5	2.8*	2	1.1*	2	1.1*	11	5.9*	15	8.0*	19	10.1	17	8.9*
INYO	0	-	0	-	0	-	1	5.4*	0	-	0	-	0	-	0	-	0	-
KERN	2,565	301.4	1,855	215.7	1,659	190.8	932	106.3	1,083	122.6	2,256	254.2	2,789	310.8	2,949	325.1	3,371	367.5
KINGS	375	247.1	242	160.9	108	71.8	78	52.2	104	69.4	235	157.4	273	180.9	173	112.8	217	140.5
LAKE	0	-	0	-	0	-	0	-	0	-	2	3.1*	2	3.1*	1	1.5*	2	3.1*
LASSEN	0	-	0	-	0	-	0	-	9	29.1*	6	19.7*	0	-	1	3.3*	0	-
LOS ANGELES COUNTY TOTAL	316	3.2	335	3.3	345	3.4	403	4.0	558	5.5	730	7.1	932	9.1	1,013	9.9	1,156	11.3
LOS ANGELES	302	3.3	312	3.3	336	3.6	383	4.0	521	5.5	713	7.5	904	9.4	996	10.4	1,095	11.4
LONG BEACH	13	2.8*	21	4.5	8	1.7*	19	4.0	36	7.6	15	3.2*	19	4.0	12	2.5*	57	12.1
PASADENA	1	0.7*	2	1.4*	1	0.7*	1	0.7*	1	0.7*	2	1.4*	9	6.3*	5	3.5*	4	2.8*
MADERA	44	29.0	24	15.9	46	30.2	35	22.7	55	35.6	49	31.6	64	40.8	58	36.6	65	40.9
MARIN	3	1.2*	1	0.4*	6	2.3*	1	0.4*	1	0.4*	2	0.8*	4	1.5*	5	1.9*	5	1.9*
MARIPOSA	0	-	0	-	0	-	0	-	2	11.1*	3	16.6*	3	16.7*	1	5.6*	2	11.2*
MENDOCINO	1	1.1*	0	-	1	1.1*	0	-	1	1.1*	0	-	1	1.1*	0	-	3	3.4*
MERCED	53	20.4	61	23.2	54	20.4	51	19.1	91	33.8	78	28.7	105	38.0	137	49.0	105	37.0
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	7.2*	0	-
MONTEREY	67	15.9	76	17.9	69	16.1	24	5.6	38	8.7	79	18.0	191	43.2	238	53.6	164	36.7
NAPA	1	0.7*	3	2.2*	0	-	0	-	0	-	2	1.4*	1	0.7*	1	0.7*	5	3.6*
NEVADA	1	1.0*	2	2.0*	0	-	0	-	0	-	0	-	0	-	1	1.0*	0	-
ORANGE	83	2.7	115	3.7	72	2.3	77	2.5	172	5.4	109	3.4	231	7.2	195	6.1	287	8.9
PLACER	2	0.6*	7	1.9*	3	0.8*	0	-	5	1.3*	3	0.8*	2	0.5*	3	0.8*	11	2.8*
PLUMAS	1	5.0*	0	-	2	10.5*	1	5.3*	0	-	0	-	0	-	2	10.7*	0	-
RIVERSIDE	72	3.2	56	2.5	34	1.5	38	1.6	59	2.5	65	2.8	134	5.6	139	5.7	255	10.4
SACRAMENTO	41	2.9	5	0.3*	9	0.6*	18	1.2*	23	1.5	27	1.8	40	2.6	43	2.8	103	6.6
SAN BENITO	2	3.6*	0	-	1	1.7*	1	1.7*	0	-	3	5.0*	4	6.6*	3	4.9*	5	8.0*
SAN BERNARDINO	50	2.4	58	2.8	49	2.3	33	1.6	29	1.4	39	1.8	88	4.1	97	4.5	229	10.4
SAN DIEGO	148	4.7	139	4.4	93	2.9	88	2.7	113	3.5	132	4.0	274	8.3	276	8.3	417	12.4
SAN FRANCISCO	9	1.1*	3	0.4*	18	2.1*	4	0.5*	13	1.5*	7	0.8*	14	1.6*	12	1.4*	25	2.8
SAN JOAQUIN	111	16.0	73	10.4	51	7.2	61	8.5	97	13.3	191	25.9	203	27.1	240	31.6	281	36.4
SAN LUIS OBISPO	172	63.5	108	39.5	53	19.4	27	9.8	65	23.5	258	92.8	436	156.6	344	123.2	265	95.0
SAN MATEO	9	1.2*	16	2.2*	10	1.3*	3	0.4*	5	0.7*	4	0.5*	18	2.3*	16	2.1*	26	3.3
SANTA BARBARA	19	4.5	25	5.8	23	5.3	15	3.4*	25	5.6	62	13.9	116	25.8	107	23.6	75	16.5
SANTA CLARA	29	1.6	26	1.4	17	0.9*	12	0.6*	17	0.9*	39	2.0	39	2.0	76	3.9	78	4.0
SANTA CRUZ	3	1.1*	10	3.7*	5	1.8*	3	1.1*	1	0.4*	9	3.3*	8	2.9*	14	5.1*	21	7.6
SHASTA	2	1.1*	0	-	0	-	1	0.6*	0	-	2	1.1*	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	1	2.2*	0	-	0	-	2	4.5*	2	4.5*	0	-	1	2.3*
SOLANO	15	3.6*	8	1.9*	6	1.4*	5	1.2*	19	4.4	16	3.7*	18	4.1*	17	3.9*	34	7.7
SONOMA	4	0.8*	4	0.8*	1	0.2*	5	1.0*	1	0.2*	2	0.4*	3	0.6*	3	0.6*	12	2.4*
STANISLAUS	58	11.2	62	11.8	39	7.4	36	6.8	49	9.1	81	14.9	122	22.2	76	13.7	80	14.3
SUTTER	1	1.1*	1	1.0*	1	1.0*	0	-	0	-	1	1.0*	3	3.0*	0	-	4	3.9*
TEHAMA	0	-	1	1.6*	1	1.6*	1	1.6*	0	-	1	1.6*	0	-	1	1.5*	2	3.1*
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	7.5*	0	-
TULARE	129	28.8	155	34.2	116	25.4	107	23.3	119	25.6	248	53.0	290	61.4	286	60.1	417	86.9
TUOLUMNE	3	5.5*	6	11.1*	0	-	0	-	1	1.9*	6	11.3*	6	11.4*	2	3.8*	1	1.9*
VENTURA	34	4.1	90	10.7	39	4.6	42	5.0	48	5.6	65	7.6	254	29.7	231	27.0	364	42.6
YOLO	4	2.0*	3	1.5*	0	-	3	1.4*	4	1.9*	6	2.8*	4	1.8*	3	1.4*	16	7.2*
YUBA	1	1.4*	0	-	1	1.4*	0	-	0	-	0	-	3	3.9*	2	2.6*	5	6.4*

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 May 1, 2020. 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, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	5,231	4,124	3,327	2,326	3,184	5,567	7,689	7,625	9,004
JANUARY	419	515	267	256	218	290	371	1,033	754
FEBRUARY	252	509	235	226	183	276	286	620	683
MARCH	285	385	218	159	202	235	304	567	788
APRIL	293	335	268	179	232	276	280	485	656
MAY	307	318	366	192	174	211	337	545	693
JUNE	349	313	285	170	214	308	453	491	597
JULY	441	297	286	200	295	388	502	594	631
AUGUST	554	324	285	169	259	616	743	636	752
SEPTEMBER	629	301	233	193	329	732	837	585	742
OCTOBER	636	269	293	192	407	957	1,221	707	987
NOVEMBER	554	301	323	185	351	732	1,240	723	942
DECEMBER	512	257	268	205	320	546	1,115	639	779

Above table header spanning: YEAR OF ESTIMATED ILLNESS ONSET

For inclusion/exclusion criteria, please refer to the Technical Notes.
Note: Data presented here includes cases reported to CDPH by May 1, 2020. 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, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

AGE GROUP	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
TOTAL	5,231	13.9	4,124	10.8	3,327	8.7	2,326	6.0	3,184	8.2	5,567	14.2	7,689	19.4	7,625	19.1	9,004	22.5
0	11	2.2*	9	1.8*	1	0.2*	2	0.4*	3	0.6*	3	0.6*	5	1.0*	8	1.7*	9	2.0*
1-4	46	2.3	40	2.0	21	1.0	7	0.4*	15	0.7*	29	1.5	55	2.8	50	2.6	38	2.0
5-9	112	4.5	76	3.0	68	2.6	33	1.3	47	1.8	110	4.3	149	5.8	118	4.6	101	4.0
10-14	192	7.5	111	4.4	57	2.3	52	2.1	58	2.3	193	7.6	242	9.4	218	8.4	184	7.1
15-24	677	11.9	526	9.1	371	6.4	201	3.4	314	5.3	607	10.3	817	13.8	744	12.7	839	14.4
25-34	913	17.0	665	12.3	534	9.8	345	6.3	448	8.3	826	15.3	1,174	21.8	1,156	21.3	1,308	24.1
35-44	923	17.9	702	13.6	576	11.2	371	7.2	535	10.5	943	18.4	1,255	24.3	1,259	24.1	1,441	27.4
45-54	1,007	19.2	813	15.5	656	12.6	428	8.2	579	11.1	1,069	20.7	1,441	28.1	1,423	28.1	1,597	32.0
55-64	691	16.4	583	13.5	541	12.2	454	10.1	560	12.1	897	19.0	1,314	27.4	1,266	26.1	1,599	32.7
65+	639	14.4	582	12.6	484	10.0	423	8.4	613	11.7	883	16.3	1,233	22.0	1,374	23.7	1,875	31.1
UNKNOWN	20	-	17	-	18	-	10	-	12	-	7	-	4	-	9	-	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 May 1, 2020. 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, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	5,231	4,124	3,327	2,326	3,184	5,567	7,689	7,625	9,004
WHITE, NON-HISPANIC	918	867	728	578	799	1,247	1,728	1,709	1,706
HISPANIC	1,311	1,226	1,000	748	871	1,747	2,238	2,215	1,972
ASIAN/PACIFIC ISLANDER	173	165	132	112	159	273	399	384	358
BLACK, NON-HISPANIC	360	260	176	122	200	273	352	384	336
AMERICAN INDIAN/ALASKA NATIVE	13	15	18	13	12	17	38	17	47
MULTIPLE RACE	6	7	5	8	5	21	16	8	12
OTHER	53	56	45	35	105	166	568	505	752
UNKNOWN	2,397	1,528	1,223	710	1,033	1,823	2,350	2,403	3,821

For inclusion/exclusion criteria, please refer to the Technical Notes.
Note: Data presented here includes cases reported to CDPH by May 1, 2020. 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, 2011-2019
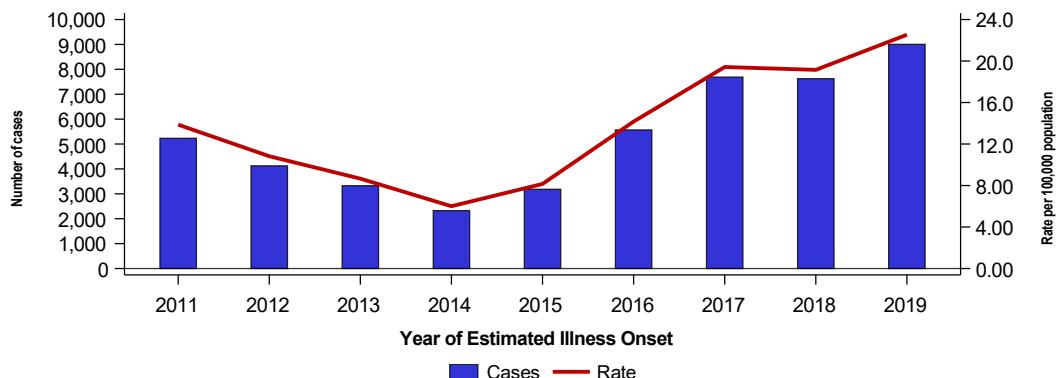
Coccidioidomycosis Incidence Rates by Age Group and Year of Estimated Illness Onset, California, 2011-2019
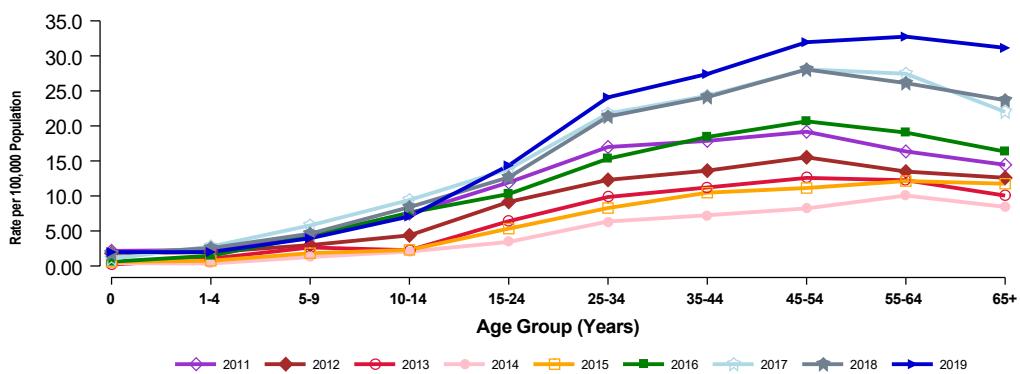
Coccidioidomycosis Cases and Population by Race/Ethnicity, California, 2011-2019
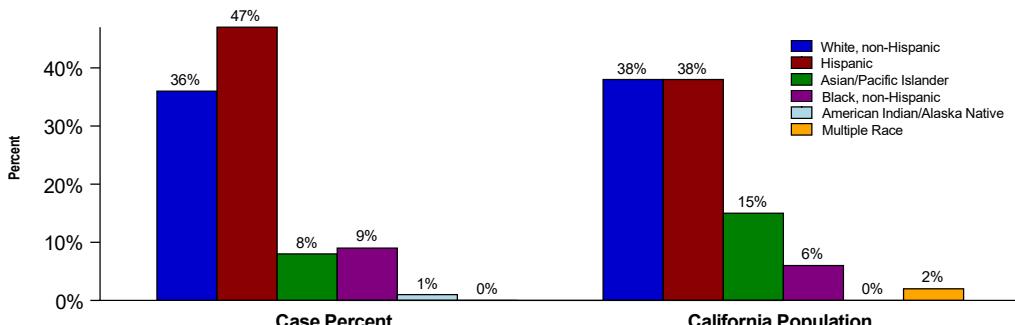
36% (n=17288) of reported incidents of Coccidioidomycosis did not identify race/ethnicity and 4.8% (n=2285) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted 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, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET																	
	2011		2012		2013		2014		2015		2016		2017		2018		2019	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	31	0.1	21	0.1	31	0.1	34	0.1	25	0.1	34	0.1	36	0.1	32	0.1	29	0.1
ALAMEDA COUNTY TOTAL	1	0.1*	1	0.1*	0	-	4	0.2*	0	-	0	-	2	0.1*	7	0.4*	0	-
ALAMEDA	1	0.1*	1	0.1*	0	-	4	0.3*	0	-	0	-	2	0.1*	7	0.5*	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	-	1	0.4*	0	-	1	0.4*	1	0.4*	1	0.4*	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	-	1	0.1*	1	0.1*	2	0.2*	0	-	1	0.1*	1	0.1*	2	0.2*
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	-	1	0.1*	0	-	0	-	1	0.1*	0	-	0	-	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	1	0.7*	1	0.7*	0	-	0	-	0	-	0	-	0	-	0	-
IMPERIAL	0	-	1	0.6*	0	-	0	-	0	-	1	0.5*	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	1	0.1*	2	0.2*
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	1	1.5*	1	1.5*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	6	0.1*	4	0.0*	4	0.0*	5	0.0*	2	0.0*	7	0.1*	9	0.1*	6	0.1*	7	0.1*
LOS ANGELES	6	0.1*	4	0.0*	4	0.0*	5	0.1*	2	0.0*	7	0.1*	9	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	-	1	0.7*	0	-	0	-	0	-	2	1.3*	0	-	0	-	0	-
MARIN	1	0.4*	1	0.4*	1	0.4*	0	-	0	-	0	-	0	-	0	-	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	1	1.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*
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*	1	0.2*	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*	3	0.1*	2	0.1*	1	0.0*	3	0.1*	1	0.0*	2	0.1*	4	0.1*	2	0.1*
PLACER	0	-	1	0.3*	0	-	0	-	0	-	1	0.3*	0	-	1	0.3*	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	3	0.1*	0	-	1	0.0*	2	0.1*	0	-	0	-	1	0.0*	2	0.1*	2	0.1*
SACRAMENTO	0	-	1	0.1*	0	-	1	0.1*	2	0.1*	2	0.1*	1	0.1*	1	0.1*	1	0.1*
SAN BENITO	1	1.8*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	2	0.1*	0	-	2	0.1*	3	0.1*	2	0.1*	3	0.1*	1	0.0*	1	0.0*	1	0.0*
SAN DIEGO	4	0.1*	1	0.0*	9	0.3*	5	0.2*	4	0.1*	4	0.1*	7	0.2*	2	0.1*	6	0.2*
SAN FRANCISCO	1	0.1*	0	-	3	0.4*	1	0.1*	0	-	1	0.1*	0	-	0	-	0	-
SAN JOAQUIN	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-	1	0.1*
SAN LUIS OBISPO	0	-	0	-	1	0.4*	1	0.4*	0	-	4	1.4*	0	-	0	-	0	-
SAN MATEO	1	0.1*	0	-	1	0.1*	1	0.1*	1	0.1*	1	0.1*	3	0.4*	2	0.3*	0	-
SANTA BARBARA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CLARA	1	0.1*	2	0.1*	1	0.1*	2	0.1*	4	0.2*	2	0.1*	4	0.2*	1	0.1*	1	0.1*
SANTA CRUZ	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SHASTA	0	-	1	0.6*	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	1	0.2*	2	0.4*	0	-	1	0.2*	0	-	1	0.2*	1	0.2*	0	-	1	0.2*
STANISLAUS	1	0.2*	0	-	0	-	1	0.2*	2	0.4*	0	-	1	0.2*	1	0.2*	0	-
SUTTER	0	-	0	-	1	1.0*	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	1	1.6*	0	-	0	-	1	1.6*	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	3	0.4*	0	-	2	0.2*	0	-	0	-	1	0.1*	2	0.2*	1	0.1*	1	0.1*
YOLO	0	-	0	-	0	-	1	0.5*	1	0.5*	0	-	0	-	0	-	1	0.4*
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, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	31	21	31	34	25	34	36	32	29
JANUARY	0	7	4	3	1	1	4	1	3
FEBRUARY	1	0	0	3	1	3	4	4	2
MARCH	4	2	2	2	1	4	4	3	6
APRIL	3	0	0	3	2	1	5	0	2
MAY	3	0	4	1	4	2	4	3	0
JUNE	4	0	2	4	2	3	0	3	1
JULY	3	2	1	1	0	6	1	3	2
AUGUST	4	1	6	2	6	2	1	3	3
SEPTEMBER	3	5	4	2	3	3	3	5	3
OCTOBER	1	1	5	1	1	2	2	1	5
NOVEMBER	4	1	1	7	1	4	2	3	1
DECEMBER	1	2	2	5	3	3	6	3	1

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

Creutzfeldt-Jakob Disease and other Transmissible Spongiform Encephalopathies, Cases and Rates by Age Group, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

AGE GROUP	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
TOTAL	31	0.1	21	0.1	31	0.1	34	0.1	25	0.1	34	0.1	36	0.1	32	0.1	29	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	-	0	-	0	-
25-34	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-
35-44	0	-	1	0.0*	2	0.0*	1	0.0*	0	-	1	0.0*	0	-	0	-	0	-
45-54	3	0.1*	1	0.0*	5	0.1*	3	0.1*	3	0.1*	4	0.1*	2	0.0*	3	0.1*	1	0.0*
55-64	13	0.3*	6	0.1*	7	0.2*	9	0.2*	12	0.3*	12	0.3*	7	0.1*	9	0.2*	10	0.2*
65+	15	0.3*	13	0.3*	17	0.4*	21	0.4	10	0.2*	17	0.3*	27	0.5	19	0.3	18	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.

Creutzfeldt-Jakob Disease and other Transmissible Spongiform Encephalopathies, Cases by Race/Ethnicity, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	31	21	31	34	25	34	36	32	29
WHITE, NON-HISPANIC	21	14	15	17	19	19	16	13	17
HISPANIC	4	1	7	5	1	3	5	5	5
ASIAN/PACIFIC ISLANDER	1	3	0	1	1	4	1	4	2
BLACK, NON-HISPANIC	1	0	2	2	1	0	2	1	1
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	2	0	0	0	0	0
OTHER	0	0	0	0	0	0	3	0	0
UNKNOWN	4	3	7	7	3	8	9	9	4

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, 2011-2019
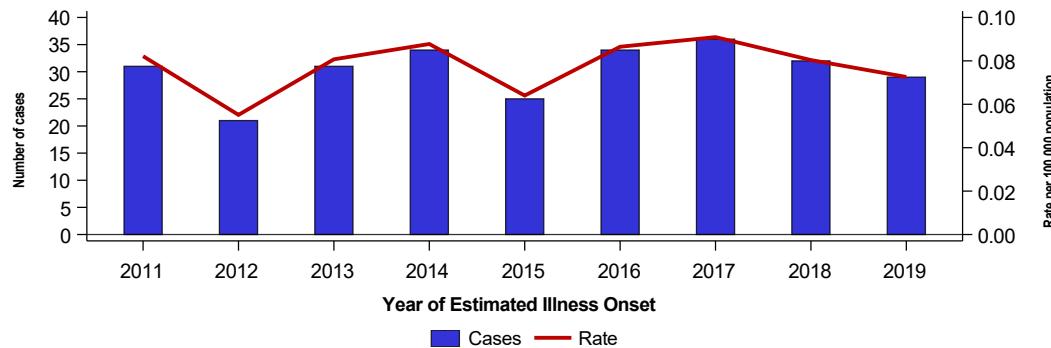
Creutzfeldt-Jakob Disease and other Transmissible Spongiform Encephalopathies Cases and Population by Race/Ethnicity, California, 2011-2019
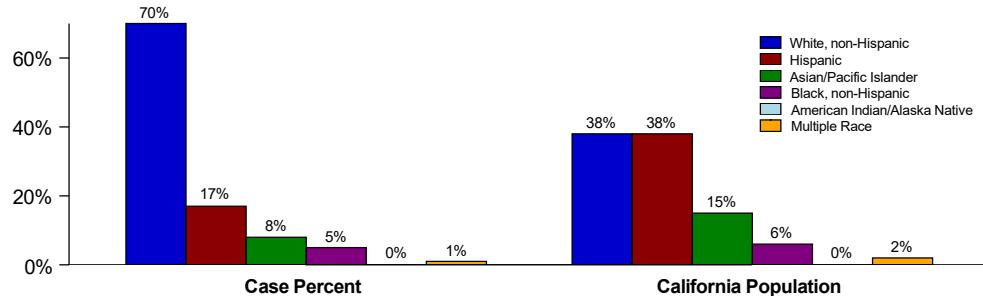
19.8% (n=54) of reported incidents of Creutzfeldt-Jakob Disease and other Transmissible Spongiform Encephalopathies did not identify race/ethnicity and 1.1% (n=3) of incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Please refer to Pages 4-8 for Technical Notes. Data are as of May 1, 2020.

Center for Infectious Diseases - Division of Communicable Disease Control - Infectious Diseases Branch - Surveillance and Statistics Section, July 2020   48

Cryptosporidiosis

Cryptosporidiosis, Cases and Rates by Health Jurisdiction, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	352	0.9	351	0.9	307	0.8	364	0.9	380	1.0	434	1.1	659	1.7	667	1.7	747	1.9
ALAMEDA COUNTY TOTAL	10	0.7*	22	1.4	15	1.0*	9	0.6*	10	0.6*	14	0.9*	28	1.7	20	1.2	27	1.6
ALAMEDA	9	0.6*	18	1.3*	15	1.0*	9	0.6*	9	0.6*	14	0.9*	26	1.7	20	1.3	25	1.6
BERKELEY	1	0.9*	4	3.5*	0	-	0	-	1	0.8*	0	-	2	1.7*	0	-	2	1.6*
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	1	2.7*	0	-	0	-
BUTTE	1	0.5*	4	1.8*	21	9.4	5	2.2*	15	6.7*	17	7.6*	9	4.0*	18	7.9*	21	9.7
CALAVERAS	0	-	0	-	1	2.2*	0	-	0	-	1	2.2*	0	-	0	-	1	2.3*
COLUSA	0	-	0	-	0	-	2	9.2*	0	-	1	4.5*	1	4.5*	0	-	0	-
CONTRA COSTA	6	0.6*	3	0.3*	12	1.1*	8	0.7*	6	0.5*	10	0.9*	6	0.5*	7	0.6*	9	0.8*
DEL NORTE	3	10.6*	2	7.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	1	0.6*	2	1.1*	1	0.5*	0	-	1	0.5*	1	0.5*	3	1.6*	3	1.6*	7	3.7*
FRESNO	8	0.8*	10	1.0*	8	0.8*	7	0.7*	13	1.3*	10	1.0*	13	1.3*	11	1.1*	16	1.6*
GLENN	1	3.5*	0	-	0	-	0	-	0	-	0	-	2	7.0*	0	-	1	3.4*
HUMBOLDT	7	5.2*	12	8.9*	8	5.9*	4	3.0*	6	4.4*	3	2.2*	1	0.7*	2	1.5*	5	3.7*
IMPERIAL	0	-	1	0.6*	0	-	0	-	0	-	1	0.5*	1	0.5*	0	-	1	0.5*
INYO	0	-	0	-	1	5.4*	4	21.4*	2	10.7*	0	-	2	10.8*	2	10.8*	9	48.7*
KERN	8	0.9*	9	1.0*	3	0.3*	8	0.9*	5	0.6*	6	0.7*	6	0.7*	17	1.9*	16	1.7*
KINGS	4	2.6*	5	3.3*	2	1.3*	2	1.3*	1	0.7*	0	-	0	-	0	-	4	2.6*
LAKE	0	-	0	-	1	1.5*	0	-	1	1.5*	0	-	1	1.5*	0	-	0	-
LASSEN	0	-	0	-	0	-	2	6.3*	2	6.5*	1	3.3*	1	3.3*	1	3.3*	0	-
LOS ANGELES COUNTY TOTAL	65	0.7	54	0.5	53	0.5	90	0.9	61	0.6	105	1.0	168	1.6	183	1.8	177	1.7
LOS ANGELES	54	0.6	48	0.5	48	0.5	79	0.8	54	0.6	97	1.0	150	1.6	175	1.8	160	1.7
LONG BEACH	11	2.4*	4	0.9*	5	1.1*	11	2.3*	5	1.1*	8	1.7*	17	3.6*	8	1.7*	14	3.0*
PASADENA	0	-	2	1.4*	0	-	0	-	2	1.4*	0	-	1	0.7*	0	-	3	2.1*
MADERA	1	0.7*	0	-	0	-	0	-	0	-	0	-	2	1.3*	0	-	1	0.6*
MARIN	5	2.0*	7	2.7*	4	1.5*	3	1.1*	15	5.7*	17	6.5*	39	14.9	25	9.5	3	1.1*
MARIPOSA	0	-	0	-	0	-	0	-	0	-	1	5.5*	0	-	0	-	1	5.6*
MENDOCINO	1	1.1*	0	-	0	-	0	-	0	-	0	-	1	1.1*	4	4.5*	0	-
MERCED	1	0.4*	1	0.4*	0	-	0	-	0	-	1	0.4*	0	-	2	0.7*	2	0.7*
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	2	21.1*
MONO	0	-	0	-	0	-	0	-	0	-	0	-	1	7.2*	0	-	2	14.4*
MONTEREY	6	1.4*	1	0.2*	2	0.5*	1	0.2*	2	0.5*	6	1.4*	3	0.7*	4	0.9*	2	0.4*
NAPA	0	-	4	2.9*	1	0.7*	3	2.1*	1	0.7*	0	-	4	2.8*	0	-	5	3.6*
NEVADA	0	-	1	1.0*	2	2.0*	0	-	2	2.0*	2	2.0*	1	1.0*	0	-	1	1.0*
ORANGE	22	0.7	28	0.9	22	0.7	24	0.8	29	0.9	25	0.8	34	1.1	26	0.8	46	1.4
PLACER	3	0.8*	4	1.1*	2	0.5*	1	0.3*	3	0.8*	1	0.3*	2	0.5*	2	0.5*	3	0.8*
PLUMAS	0	-	0	-	0	-	0	-	0	-	1	5.3*	1	5.3*	1	5.3*	0	-
RIVERSIDE	9	0.4*	15	0.7*	10	0.4*	9	0.4*	17	0.7*	22	0.9	19	0.8	31	1.3	51	2.1
SACRAMENTO	10	0.7*	8	0.6*	7	0.5*	6	0.4*	6	0.4*	11	0.7*	19	1.2	16	1.0*	19	1.2
SAN BENITO	2	3.6*	0	-	0	-	1	1.7*	0	-	0	-	0	-	2	3.3*	9	14.3*
SAN BERNARDINO	10	0.5*	8	0.4*	6	0.3*	10	0.5*	6	0.3*	9	0.4*	8	0.4*	15	0.7*	11	0.5*
SAN DIEGO	12	0.4*	30	0.9	24	0.7	36	1.1	25	0.8	34	1.0	55	1.7	90	2.7	99	2.9
SAN FRANCISCO	24	2.9	20	2.4	16	1.9*	17	2.0*	45	5.2	23	2.6	29	3.3	20	2.3	14	1.6*
SAN JOAQUIN	4	0.6*	0	-	3	0.4*	1	0.1*	1	0.1*	1	0.1*	32	4.3	5	0.7*	8	1.0*
SAN LUIS OBISPO	12	4.4*	7	2.6*	5	1.8*	8	2.9*	6	2.2*	8	2.9*	9	3.2*	9	3.2*	8	2.9*
SAN MATEO	47	6.4	38	5.1	18	2.4*	28	3.7	40	5.2	22	2.9	30	3.9	16	2.1*	33	4.3
SANTA BARBARA	12	2.8*	2	0.5*	10	2.3*	11	2.5*	7	1.6*	15	3.4*	19	4.2	35	7.7	26	5.7
SANTA CLARA	26	1.4	19	1.0	23	1.2	27	1.4	16	0.8*	24	1.2	38	2.0	37	1.9	48	2.4
SANTA CRUZ	9	3.4*	8	3.0*	1	0.4*	5	1.8*	4	1.5*	9	3.3*	12	4.4*	11	4.0*	6	2.2*
SHASTA	0	-	1	0.6*	1	0.6*	2	1.1*	1	0.6*	0	-	3	1.7*	1	0.6*	3	1.7*
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	3	6.7*	2	4.5*	4	8.9*	2	4.5*	1	2.2*	0	-	0	-	0	-	2	4.5*
SOLANO	0	-	1	0.2*	3	0.7*	0	-	3	0.7*	2	0.5*	5	1.1*	1	0.2*	3	0.7*
SONOMA	3	0.6*	7	1.4*	2	0.4*	4	0.8*	5	1.0*	3	0.6*	7	1.4*	6	1.2*	7	1.4*
STANISLAUS	3	0.6*	5	1.0*	2	0.4*	0	-	1	0.2*	1	0.2*	4	0.7*	4	0.7*	1	0.2*
SUTTER	0	-	0	-	3	3.1*	0	-	1	1.0*	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	2	3.1*	0	-	4	6.1*
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	7.5*
TULARE	5	1.1*	2	0.4*	7	1.5*	10	2.2*	8	1.7*	8	1.7*	12	2.5*	6	1.3*	7	1.5*
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	1	1.9*	1	1.9*	1	1.9*	1	1.9*
VENTURA	1	0.1*	3	0.4*	0	-	8	0.9*	7	0.8*	15	1.8*	17	2.0*	27	3.2	21	2.5
YOLO	7	3.4*	4	1.9*	2	1.0*	4	1.9*	4	1.9*	2	0.9*	7	3.2*	4	1.8*	3	1.3*
YUBA	0	-	1	1.4*	1	1.4*	2	2.7*	1	1.3*	0	-	0	-	2	2.6*	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.

Cryptosporidiosis

Cryptosporidiosis, Cases by Month of Estimated Illness Onset, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET								
MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	352	351	307	364	380	434	659	667	747
JANUARY	16	26	29	30	30	32	32	43	53
FEBRUARY	21	13	21	23	18	32	26	36	31
MARCH	17	24	12	27	32	21	29	36	33
APRIL	32	34	22	33	21	18	27	35	53
MAY	23	31	19	35	31	31	40	44	47
JUNE	34	26	28	24	29	33	57	63	75
JULY	50	44	45	33	30	50	93	97	99
AUGUST	57	45	31	48	42	68	107	82	81
SEPTEMBER	35	31	26	41	43	43	87	69	69
OCTOBER	25	41	32	25	36	38	68	56	75
NOVEMBER	21	20	22	24	29	38	44	53	74
DECEMBER	21	16	20	21	39	30	49	53	57

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

Cryptosporidiosis, Cases and Rates by Age Group, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET																	
	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	352	0.9	351	0.9	307	0.8	364	0.9	380	1.0	434	1.1	659	1.7	667	1.7	747	1.9
0	6	1.2*	2	0.4*	1	0.2*	3	0.6*	2	0.4*	3	0.6*	7	1.5*	3	0.6*	1	0.2*
1-4	33	1.6	12	0.6*	14	0.7*	19	1.0	22	1.1	32	1.6	50	2.5	35	1.8	38	2.0
5-9	16	0.6*	19	0.7	18	0.7*	16	0.6*	25	1.0	29	1.1	26	1.0	31	1.2	27	1.1
10-14	7	0.3*	11	0.4*	14	0.6*	15	0.6*	18	0.7*	30	1.2	37	1.4	25	1.0	37	1.4
15-24	44	0.8	53	0.9	40	0.7	54	0.9	43	0.7	52	0.9	91	1.5	93	1.6	95	1.6
25-34	51	0.9	53	1.0	52	1.0	79	1.5	75	1.4	74	1.4	147	2.7	135	2.5	142	2.6
35-44	49	0.9	49	1.0	45	0.9	55	1.1	54	1.1	56	1.1	96	1.9	101	1.9	120	2.3
45-54	52	1.0	48	0.9	56	1.1	53	1.0	57	1.1	65	1.3	68	1.3	98	1.9	93	1.9
55-64	43	1.0	48	1.1	30	0.7	30	0.7	45	1.0	49	1.0	64	1.3	66	1.4	87	1.8
65+	49	1.1	53	1.1	33	0.7	37	0.7	39	0.7	43	0.8	73	1.3	80	1.4	107	1.8
UNKNOWN	2	-	3	-	4	-	3	-	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.

**Cryptosporidiosis, Cases by Race/Ethnicity, California, 2011-2019**

	YEAR OF ESTIMATED ILLNESS ONSET								
RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	352	351	307	364	380	434	659	667	747
WHITE, NON-HISPANIC	122	124	112	124	162	167	248	263	265
HISPANIC	59	52	49	66	67	89	152	148	174
ASIAN/PACIFIC ISLANDER	11	8	11	15	15	17	39	22	32
BLACK, NON-HISPANIC	14	8	17	20	22	18	26	21	19
AMERICAN INDIAN/ALASKA NATIVE	0	4	0	2	0	0	1	3	0
MULTIPLE RACE	0	0	4	2	1	0	0	2	2
OTHER	1	4	2	7	11	14	31	31	51
UNKNOWN	145	151	112	128	102	129	162	177	204

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

**Cryptosporidiosis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2011-2019**
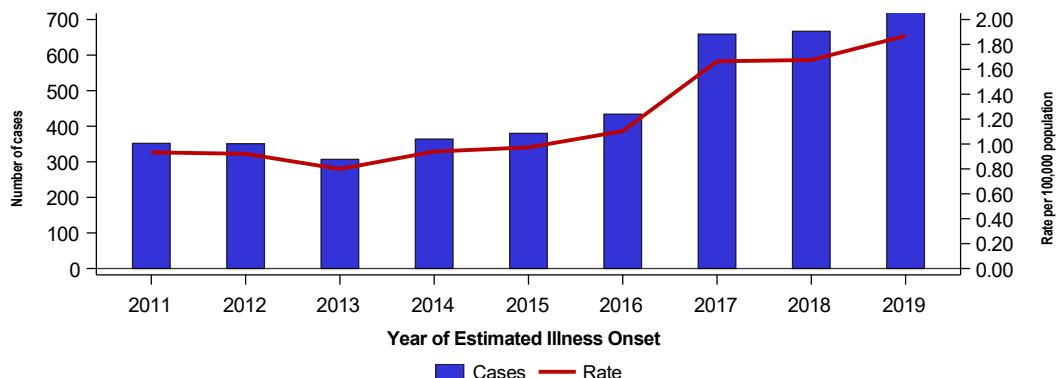
Cryptosporidiosis Incidence Rates by Age Group and Year of Estimated Illness Onset, California, 2011-2019
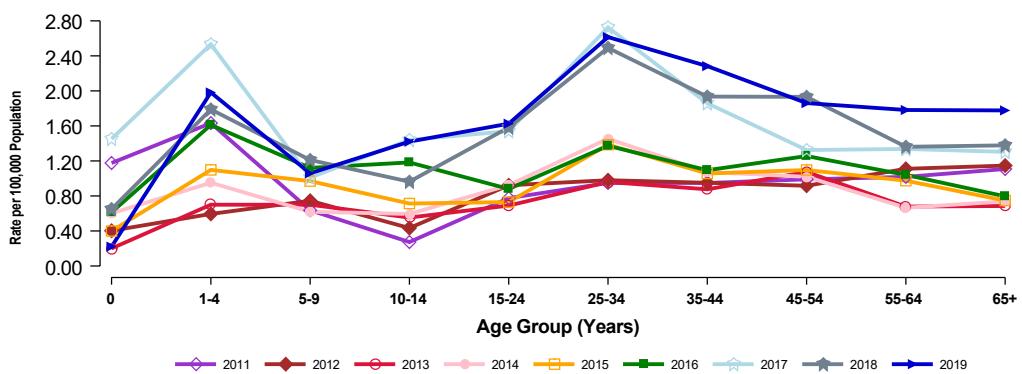
Cryptosporidiosis Cases and Population by Race/Ethnicity, California, 2011-2019
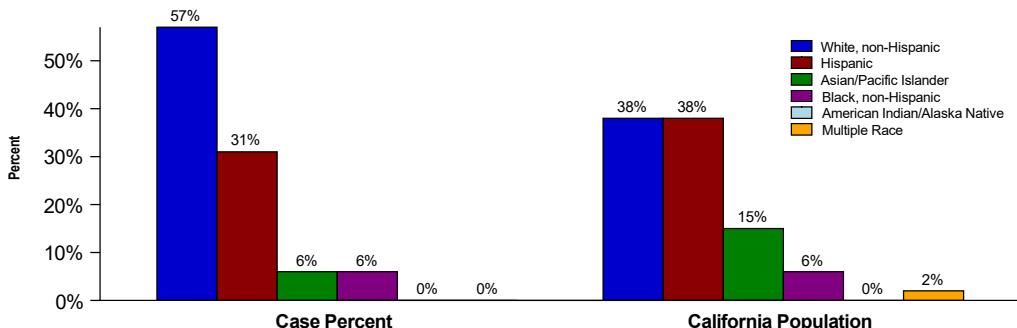
30.7% (n=1310) of reported incidents of Cryptosporidiosis did not identify race/ethnicity and 3.6% (n=152) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Cyclosporiasis

Cyclosporiasis, Cases and Rates by Health Jurisdiction, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	0	-	2	0.0*	2	0.0*	3	0.0*	15	0.0*	22	0.1	64	0.2	172	0.4	89	0.2
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	0	-	1	0.1*	0	-	2	0.1*	6	0.4*	0	-
ALAMEDA	0	-	0	-	0	-	0	-	1	0.1*	0	-	1	0.1*	4	0.3*	0	-
BERKELEY	0	-	0	-	0	-	0	-	0	-	0	-	1	0.8*	2	1.6*	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	2.6*	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	-	1	0.1*	0	-	2	0.2*	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	1	0.5*	0	-	2	1.1*	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	-	1	0.7*	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	-	1	0.1*	0	-	0	-	4	0.4*	3	0.3*
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.5*
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	0	-	0	-	0	-	1	0.0*	1	0.0*	6	0.1*	16	0.2*	33	0.3	30	0.3
LOS ANGELES	0	-	0	-	0	-	1	0.0*	0	-	4	0.0*	14	0.1*	29	0.3	27	0.3
LONG BEACH	0	-	0	-	0	-	0	-	1	0.2*	2	0.4*	2	0.4*	4	0.8*	3	0.6*
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.6*
MARIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	2	0.8*	2	0.8*
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.1*
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	-	1	0.2*	1	0.2*
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*	1	0.0*	0	-	0	-	1	0.0*	2	0.1*	6	0.2*	8	0.2*
PLACER	0	-	0	-	0	-	0	-	0	-	0	-	1	0.3*	3	0.8*	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	0	-	1	0.0*	0	-	0	-	3	0.1*	1	0.0*	3	0.1*
SACRAMENTO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	2	0.1*	1	0.1*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.6*
SAN BERNARDINO	0	-	1	0.0*	0	-	0	-	0	-	1	0.0*	2	0.1*	1	0.0*	1	0.0*
SAN DIEGO	0	-	0	-	0	-	0	-	1	0.0*	1	0.0*	5	0.2*	8	0.2*	10	0.3*
SAN FRANCISCO	0	-	0	-	0	-	0	-	1	0.1*	0	-	4	0.5*	35	3.9	3	0.3*
SAN JOAQUIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN LUIS OBISPO	0	-	0	-	0	-	1	0.4*	0	-	0	-	0	-	0	-	2	0.7*
SAN MATEO	0	-	0	-	0	-	0	-	3	0.4*	2	0.3*	4	0.5*	25	3.2	3	0.4*
SANTA BARBARA	0	-	0	-	1	0.2*	0	-	2	0.5*	1	0.2*	3	0.7*	1	0.2*	5	1.1*
SANTA CLARA	0	-	0	-	0	-	0	-	3	0.2*	3	0.2*	8	0.4*	29	1.5	5	0.3*
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	-	1	0.2*	0	-
STANISLAUS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-	1	1.0*	0	-	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	-	0	-	0	-	0	-	0	-	0	-	5	1.1*	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	0	-	0	-	0	-	0	-	2	0.2*	4	0.5*	9	1.1*	5	0.6*	8	0.9*
YOLO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	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.

Cyclosporiasis

Cyclosporiasis, Cases by Month of Estimated Illness Onset, California, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	0	2	2	3	15	22	64	172	89
JANUARY	0	1	0	0	0	0	0	0	2
FEBRUARY	0	0	0	0	0	0	0	1	3
MARCH	0	0	0	0	0	1	1	0	0
APRIL	0	0	0	0	1	0	0	4	2
MAY	0	0	0	0	2	3	6	54	7
JUNE	0	0	0	1	3	3	27	63	41
JULY	0	0	2	2	6	4	20	31	21
AUGUST	0	0	0	0	1	6	4	12	6
SEPTEMBER	0	0	0	0	0	4	1	4	3
OCTOBER	0	0	0	0	1	1	2	1	1
NOVEMBER	0	1	0	0	1	0	2	1	2
DECEMBER	0	0	0	0	0	0	1	1	1

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

Cyclosporiasis, Cases and Rates by Age Group, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	0	-	2	0.0*	2	0.0*	3	0.0*	15	0.0*	22	0.1	64	0.2	172	0.4	89	0.2
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*	2	0.1*	1	0.0*
10-14	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	2	0.1*	1	0.0*
15-24	0	-	0	-	0	-	0	-	0	-	4	0.1*	2	0.0*	14	0.2*	5	0.1*
25-34	0	-	0	-	0	-	0	-	4	0.1*	3	0.1*	12	0.2*	19	0.4	4	0.1*
35-44	0	-	1	0.0*	1	0.0*	0	-	2	0.0*	3	0.1*	11	0.2*	43	0.8	18	0.3*
45-54	0	-	1	0.0*	0	-	1	0.0*	3	0.1*	2	0.0*	13	0.3*	30	0.6	20	0.4
55-64	0	-	0	-	1	0.0*	1	0.0*	3	0.1*	6	0.1*	5	0.1*	27	0.6	18	0.4*
65+	0	-	0	-	0	-	1	0.0*	3	0.1*	3	0.1*	19	0.3	21	0.4	22	0.4
UNKNOWN	0	-	0	-	0	-	0	-	0	-	1	-	0	-	14	-	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, 2011-2019

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	0	2	2	3	15	22	64	172	89
WHITE, NON-HISPANIC	0	1	2	1	5	6	30	60	28
HISPANIC	0	0	0	1	4	7	13	23	34
ASIAN/PACIFIC ISLANDER	0	1	0	0	1	0	3	6	0
BLACK, NON-HISPANIC	0	0	0	1	0	0	0	2	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	0	5	0
OTHER	0	0	0	0	0	0	1	10	4
UNKNOWN	0	0	0	0	5	9	17	66	23

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

Cyclosporiasis Cases by Year of Estimated Illness Onset, California, 2011-2019
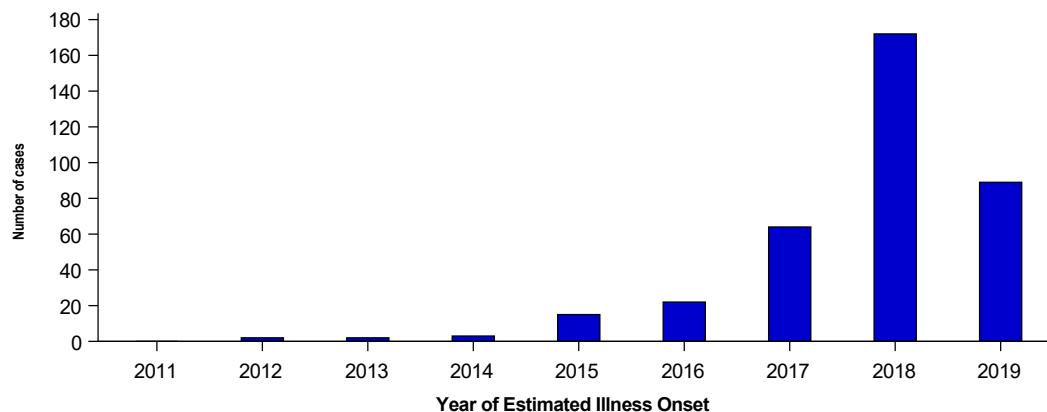
Cyclosporiasis Average Incidence Rates by Age Group, California, 2011-2019
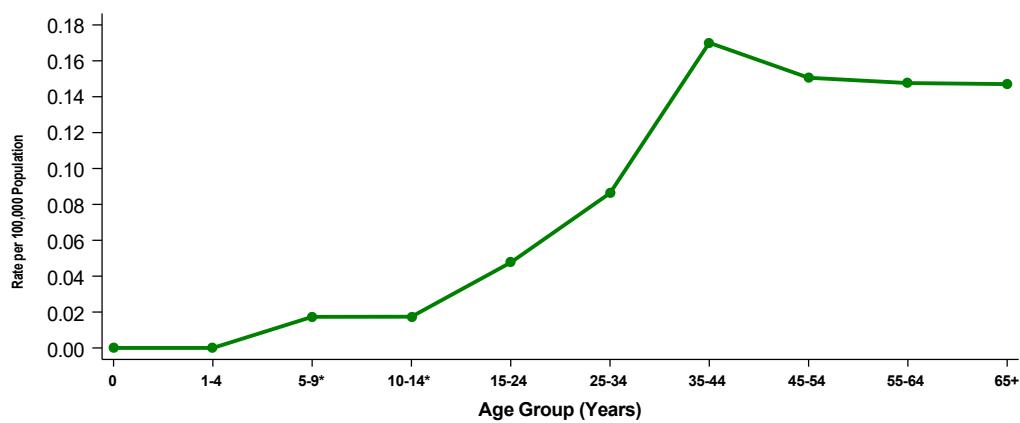
*Potentially unreliable rate: relative standard error 23 percent or more.

Cyclosporiasis Cases and Population by Race/Ethnicity, California, 2011-2019
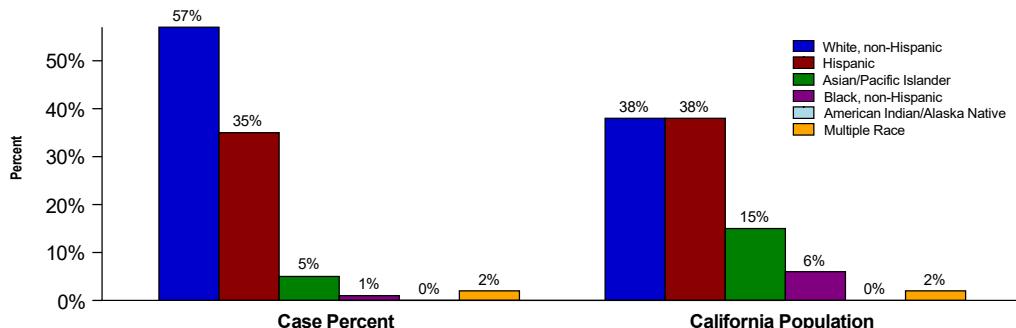
32.5% (n=120) of reported incidents of Cyclosporiasis did not identify race/ethnicity and 4.1% (n=15) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Cysticercosis or Taeniasis

Cysticercosis or Taeniasis, Cases and Rates by Health Jurisdiction, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	30	0.1	34	0.1	23	0.1	27	0.1	33	0.1	35	0.1	28	0.1	20	0.1	14	0.0*
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	1	0.1*	1	0.1*	3	0.2*	2	0.1*	1	0.1*	1	0.1*
ALAMEDA	0	-	0	-	0	-	1	0.1*	1	0.1*	2	0.1*	2	0.1*	1	0.1*	1	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	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	1	0.4*	1	0.4*	0	-	1	0.4*	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	-	1	0.1*	0	-	0	-	0	-	1	0.1*	1	0.1*	0	-	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	1	0.6*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
FRESNO	0	-	1	0.1*	0	-	1	0.1*	0	-	3	0.3*	1	0.1*	2	0.2*	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	-	1	0.6*	0	-	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	1	0.1*	0	-	0	-	0	-	0	-	0	-	1	0.1*	1	0.1*	0	-
KINGS	0	-	1	0.7*	0	-	0	-	0	-	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	-
LOS ANGELES COUNTY TOTAL	14	0.1*	13	0.1*	4	0.0*	7	0.1*	11	0.1*	7	0.1*	9	0.1*	4	0.0*	6	0.1*
LOS ANGELES	14	0.2*	13	0.1*	4	0.0*	7	0.1*	11	0.1*	4	0.0*	7	0.1*	4	0.0*	6	0.1*
LONG BEACH	0	-	0	-	0	-	0	-	0	-	3	0.6*	1	0.2*	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	1	0.7*	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	-	1	0.4*	2	0.7*
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	0	-	0	-	2	0.5*	1	0.2*	1	0.2*	0	-	0	-	0	-
NAPA	0	-	0	-	2	1.4*	0	-	0	-	0	-	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	2	0.1*	1	0.0*	1	0.0*	3	0.1*	4	0.1*	5	0.2*	6	0.2*	2	0.1*	0	-
PLACER	0	-	0	-	0	-	0	-	0	-	0	-	1	0.3*	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	1	0.0*	2	0.1*	3	0.1*	2	0.1*	7	0.3*	2	0.1*	0	-	3	0.1*	0	-
SACRAMENTO	1	0.1*	3	0.2*	1	0.1*	0	-	0	-	1	0.1*	2	0.1*	1	0.1*	1	0.1*
SAN BENITO	0	-	0	-	0	-	1	1.7*	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	1	0.0*	1	0.0*	1	0.0*	1	0.0*	2	0.1*	2	0.1*	0	-	0	-	1	0.0*
SAN DIEGO	2	0.1*	2	0.1*	2	0.1*	4	0.1*	0	-	1	0.0*	1	0.0*	1	0.0*	0	-
SAN FRANCISCO	0	-	0	-	1	0.1*	0	-	1	0.1*	1	0.1*	1	0.1*	0	-	0	-
SAN JOAQUIN	0	-	2	0.3*	0	-	2	0.3*	2	0.3*	2	0.3*	0	-	1	0.1*	0	-
SAN LUIS OBISPO	1	0.4*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA BARBARA	1	0.2*	1	0.2*	1	0.2*	2	0.5*	0	-	1	0.2*	0	-	0	-	0	-
SANTA CLARA	1	0.1*	2	0.1*	0	-	0	-	0	-	3	0.2*	0	-	0	-	2	0.1*
SANTA CRUZ	1	0.4*	0	-	0	-	0	-	1	0.4*	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	-	1	2.2*	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	-	0	-	0	-
STANISLAUS	1	0.2*	0	-	1	0.2*	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*	1	0.2*	3	0.7*	0	-	1	0.2*	1	0.2*	2	0.4*	1	0.2*	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	-	1	0.5*	0	-	0	-	0	-	0	-	2	0.9*	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, 2011-2019

					YEAR OF ESTIMATED ILLNESS ONSET				
MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	30	34	23	27	33	35	28	20	14
JANUARY	4	2	4	0	3	3	2	1	2
FEBRUARY	1	6	3	4	3	1	4	0	2
MARCH	2	5	3	0	5	4	1	1	0
APRIL	4	0	2	5	3	2	4	2	1
MAY	4	3	0	3	1	3	2	4	1
JUNE	3	4	3	3	2	5	2	4	3
JULY	4	3	1	2	4	5	5	0	3
AUGUST	2	3	1	2	1	3	2	1	2
SEPTEMBER	0	1	1	3	4	1	3	3	0
OCTOBER	1	2	1	2	5	3	2	2	0
NOVEMBER	1	3	2	2	1	3	1	0	0
DECEMBER	4	2	2	1	1	2	0	2	0

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

Cysticercosis or Taeniasis, Cases and Rates by Age Group, California, 2011-2019

										YEAR OF ESTIMATED ILLNESS ONSET								
	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	30	0.1	34	0.1	23	0.1	27	0.1	33	0.1	35	0.1	28	0.1	20	0.1	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	-	1	0.0*	1	0.0*	0	-	0	-	0	-	0	-
10-14	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
15-24	5	0.1*	5	0.1*	6	0.1*	1	0.0*	2	0.0*	2	0.0*	5	0.1*	1	0.0*	2	0.0*
25-34	8	0.1*	10	0.2*	7	0.1*	7	0.1*	6	0.1*	7	0.1*	2	0.0*	4	0.1*	4	0.1*
35-44	4	0.1*	13	0.3*	3	0.1*	6	0.1*	12	0.2*	13	0.3*	7	0.1*	5	0.1*	3	0.1*
45-54	2	0.0*	2	0.0*	5	0.1*	5	0.1*	5	0.1*	5	0.1*	7	0.1*	8	0.2*	5	0.1*
55-64	6	0.1*	3	0.1*	1	0.0*	6	0.1*	5	0.1*	5	0.1*	5	0.1*	2	0.0*	0	-
65+	5	0.1*	1	0.0*	1	0.0*	1	0.0*	2	0.0*	3	0.1*	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.

Cysticercosis or Taeniasis, Cases by Race/Ethnicity, California, 2011-2019

					YEAR OF ESTIMATED ILLNESS ONSET				
RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	30	34	23	27	33	35	28	20	14
WHITE, NON-HISPANIC	2	2	0	3	2	0	0	0	0
HISPANIC	20	22	20	17	25	20	20	11	9
ASIAN/PACIFIC ISLANDER	3	1	0	2	1	3	3	2	1
BLACK, NON-HISPANIC	0	2	1	1	2	2	1	1	1
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	1	0	0
OTHER	0	1	0	0	0	1	0	0	0
UNKNOWN	5	6	2	4	3	9	3	6	3

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

Cysticercosis or Taeniasis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2011-2019
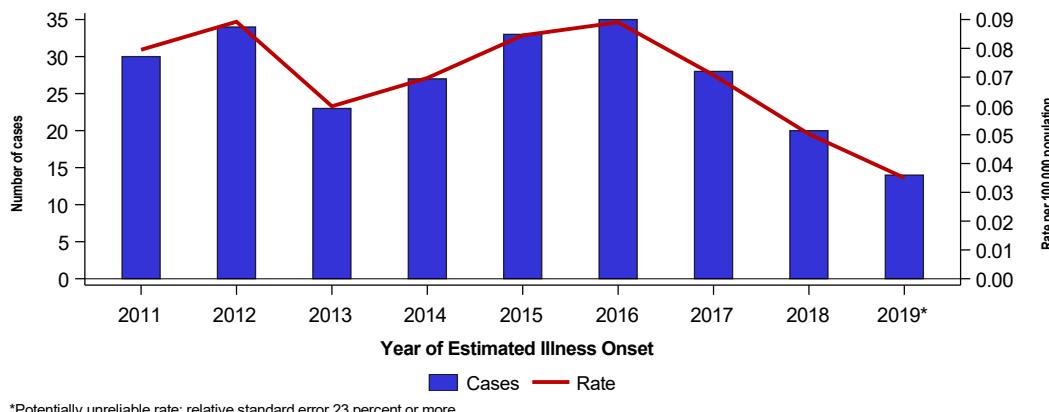
*Potentially unreliable rate: relative standard error 23 percent or more.

Cysticercosis or Taeniasis Cases and Population by Race/Ethnicity, California, 2011-2019
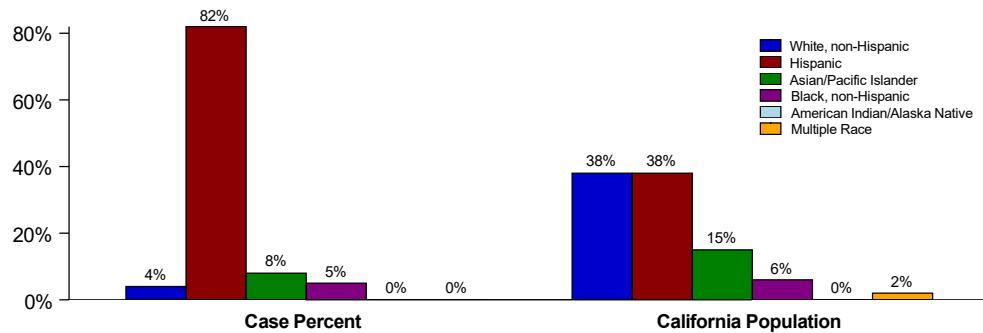
16.8% (n=41) of reported incidents of Cysticercosis or Taeniasis did not identify race/ethnicity and 0.8% (n=2) of incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Dengue Virus Infection

Dengue Virus Infection, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	2011 RATE	2012 CASES	2012 RATE	2013 CASES	2013 RATE	2014 CASES	2014 RATE	2015 CASES	2015 RATE	2016 CASES	2016 RATE	2017 CASES	2017 RATE	2018 CASES	2018 RATE	2019 CASES	2019 RATE
CALIFORNIA TOTAL	42	0.1	88	0.2	126	0.3	130	0.3	144	0.4	201	0.5	132	0.3	107	0.3	261	0.7
ALAMEDA COUNTY TOTAL	3	0.2*	12	0.8*	18	1.1*	5	0.3*	15	0.9*	16	1.0*	20	1.2	7	0.4*	23	1.4
ALAMEDA	1	0.1*	9	0.6*	14	1.0*	5	0.3*	13	0.9*	12	0.8*	18	1.2*	7	0.5*	23	1.5
BERKELEY	2	1.7*	3	2.6*	4	3.4*	0	-	2	1.7*	4	3.3*	2	1.7*	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	-	1	0.4*	1	0.4*	0	-	0	-	1	0.4*	0	-	2	0.9*
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*	4	0.4*	3	0.3*	3	0.3*	7	0.6*	10	0.9*	4	0.4*	6	0.5*	16	1.4*
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	1	0.5*	2	1.1*	0	-	1	0.5*
FRESNO	1	0.1*	1	0.1*	3	0.3*	2	0.2*	1	0.1*	6	0.6*	2	0.2*	0	-	2	0.2*
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	1	0.7*	1	0.7*	0	-	0	-
IMPERIAL	1	0.6*	0	-	0	-	0	-	3	1.6*	1	0.5*	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	2	0.2*	3	0.3*	1	0.1*	0	-	0	-	3	0.3*	1	0.1*
KINGS	0	-	0	-	2	1.3*	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	1	3.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	12	0.1*	15	0.1*	25	0.2	36	0.4	36	0.4	50	0.5	20	0.2	28	0.3	56	0.5
LOS ANGELES	11	0.1*	14	0.1*	21	0.2	33	0.3	30	0.3	47	0.5	19	0.2	24	0.3	52	0.5
LONG BEACH	1	0.2*	1	0.2*	3	0.6*	3	0.6*	5	1.1*	0	-	1	0.2*	3	0.6*	2	0.4*
PASADENA	0	-	0	-	1	0.7*	0	-	1	0.7*	3	2.1*	0	-	1	0.7*	2	1.4*
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIN	0	-	0	-	4	1.5*	1	0.4*	1	0.4*	3	1.1*	2	0.8*	0	-	3	1.1*
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	1	1.1*	0	-	0	-	1	1.1*	0	-	0	-	0	-
MERCED	0	-	0	-	0	-	0	-	1	0.4*	0	-	0	-	0	-	1	0.4*
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*	2	0.5*	1	0.2*	3	0.7*	0	-	1	0.2*
NAPA	0	-	0	-	3	2.2*	1	0.7*	0	-	1	0.7*	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	1	1.0*	0	-	0	-
ORANGE	5	0.2*	4	0.1*	7	0.2*	17	0.5*	12	0.4*	12	0.4*	10	0.3*	12	0.4*	19	0.6
PLACER	0	-	0	-	1	0.3*	0	-	3	0.8*	2	0.5*	1	0.3*	1	0.3*	3	0.8*
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	4	0.2*	4	0.2*	5	0.2*	6	0.3*	3	0.1*	1	0.0*	1	0.0*	5	0.2*
SACRAMENTO	2	0.1*	4	0.3*	2	0.1*	3	0.2*	6	0.4*	3	0.2*	6	0.4*	1	0.1*	10	0.6*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.6*	0	-
SAN BERNARDINO	0	-	4	0.2*	3	0.1*	7	0.3*	2	0.1*	7	0.3*	3	0.1*	0	-	6	0.3*
SAN DIEGO	8	0.3*	9	0.3*	12	0.4*	8	0.2*	12	0.4*	23	0.7	9	0.3*	9	0.3*	26	0.8
SAN FRANCISCO	0	-	3	0.4*	3	0.4*	7	0.8*	4	0.5*	4	0.5*	2	0.2*	3	0.3*	14	1.6*
SAN JOAQUIN	0	-	0	-	2	0.3*	0	-	0	-	3	0.4*	2	0.3*	0	-	1	0.1*
SAN LUIS OBISPO	0	-	1	0.4*	0	-	2	0.7*	1	0.4*	1	0.4*	1	0.4*	1	0.4*	5	1.8*
SAN MATEO	2	0.3*	4	0.5*	5	0.7*	6	0.8*	11	1.4*	10	1.3*	3	0.4*	8	1.0*	8	1.0*
SANTA BARBARA	1	0.2*	1	0.2*	4	0.9*	0	-	3	0.7*	5	1.1*	1	0.2*	0	-	1	0.2*
SANTA CLARA	3	0.2*	13	0.7*	10	0.5*	13	0.7*	11	0.6*	20	1.0	24	1.2	14	0.7*	40	2.0
SANTA CRUZ	0	-	1	0.4*	2	0.7*	0	-	3	1.1*	1	0.4*	2	0.7*	1	0.4*	1	0.4*
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	1	0.2*	0	-	2	0.5*	0	-	0	-	3	0.7*	4	0.9*	2	0.5*	2	0.5*
SONOMA	0	-	3	0.6*	3	0.6*	5	1.0*	0	-	2	0.4*	1	0.2*	0	-	4	0.8*
STANISLAUS	0	-	0	-	1	0.2*	0	-	1	0.2*	4	0.7*	2	0.4*	2	0.4*	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	1	1.6*	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	0	-	0	-	1	0.2*	1	0.2*	0	-	1	0.2*	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	1	1.9*	0	-	1	1.9*	1	1.9*
VENTURA	1	0.1*	2	0.2*	2	0.2*	1	0.1*	0	-	3	0.4*	3	0.4*	2	0.2*	6	0.7*
YOLO	0	-	1	0.5*	1	0.5*	2	1.0*	1	0.5*	1	0.5*	1	0.5*	1	0.5*	3	1.3*
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	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.

Dengue Virus Infection

Dengue Virus Infection, Cases by Month of Estimated Illness Onset, California, 2011-2019

MONTH	YEAR OF ESTIMATED ILLNESS ONSET								
	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	42	88	126	130	144	201	132	107	261
JANUARY	6	1	4	11	10	28	11	6	11
FEBRUARY	1	4	4	2	9	19	8	1	1
MARCH	1	2	6	4	6	15	5	1	5
APRIL	0	4	4	2	10	10	2	3	13
MAY	1	4	4	7	9	8	5	5	10
JUNE	3	8	6	11	11	10	5	10	10
JULY	7	10	19	18	14	27	18	18	34
AUGUST	9	20	21	17	17	30	23	16	57
SEPTEMBER	5	5	9	8	11	18	19	6	33
OCTOBER	3	10	22	20	15	19	20	17	46
NOVEMBER	2	11	19	18	12	10	12	16	27
DECEMBER	4	9	8	12	20	7	4	8	14

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

Dengue Virus Infection, Cases and Rates by Age Group, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET																	
	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	42	0.1	88	0.2	126	0.3	130	0.3	144	0.4	201	0.5	132	0.3	107	0.3	261	0.7
0	0	-	1	0.2*	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-
1-4	1	0.0*	0	-	0	-	0	-	0	-	3	0.2*	1	0.1*	0	-	3	0.2*
5-9	0	-	3	0.1*	2	0.1*	4	0.2*	4	0.2*	4	0.2*	4	0.2*	3	0.1*	9	0.4*
10-14	2	0.1*	4	0.2*	9	0.4*	2	0.1*	4	0.2*	5	0.2*	6	0.2*	6	0.2*	16	0.6*
15-24	6	0.1*	8	0.1*	23	0.4	17	0.3*	18	0.3*	17	0.3*	18	0.3*	14	0.2*	25	0.4
25-34	10	0.2*	19	0.4	13	0.2*	16	0.3*	35	0.6	44	0.8	31	0.6	16	0.3*	42	0.8
35-44	6	0.1*	12	0.2*	26	0.5	25	0.5	20	0.4	49	1.0	28	0.5	22	0.4	43	0.8
45-54	7	0.1*	21	0.4	21	0.4	24	0.5	31	0.6	35	0.7	19	0.4	11	0.2*	45	0.9
55-64	4	0.1*	11	0.3*	19	0.4	32	0.7	19	0.4	25	0.5	12	0.3*	16	0.3*	40	0.8
65+	4	0.1*	7	0.2*	11	0.2*	9	0.2*	12	0.2*	19	0.4	12	0.2*	19	0.3	38	0.6
UNKNOWN	2	-	2	-	2	-	1	-	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.

Dengue Virus Infection, Cases by Race/Ethnicity, California, 2011-2019

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET								
	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	42	88	126	130	144	201	132	107	261
WHITE, NON-HISPANIC	3	15	32	30	30	48	9	24	34
HISPANIC	8	15	29	38	43	53	22	23	87
ASIAN/PACIFIC ISLANDER	21	30	30	24	32	43	58	29	44
BLACK, NON-HISPANIC	2	4	0	1	0	2	0	1	2
AMERICAN INDIAN/ALASKA NATIVE	0	1	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	1	0	0	1	0	2
OTHER	4	3	2	3	3	6	2	4	9
UNKNOWN	4	20	33	33	36	49	40	26	83

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

Dengue Virus Infection Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2011-2019
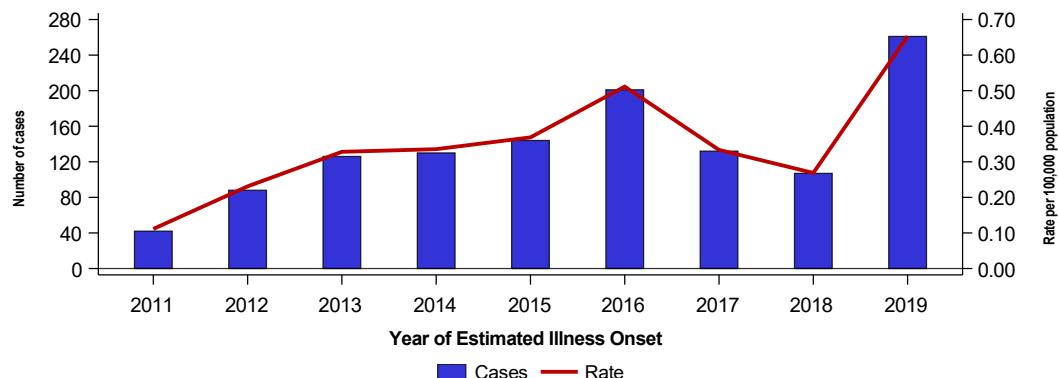
Dengue Virus Infection Average Incidence Rates by Age Group, California, 2011-2019
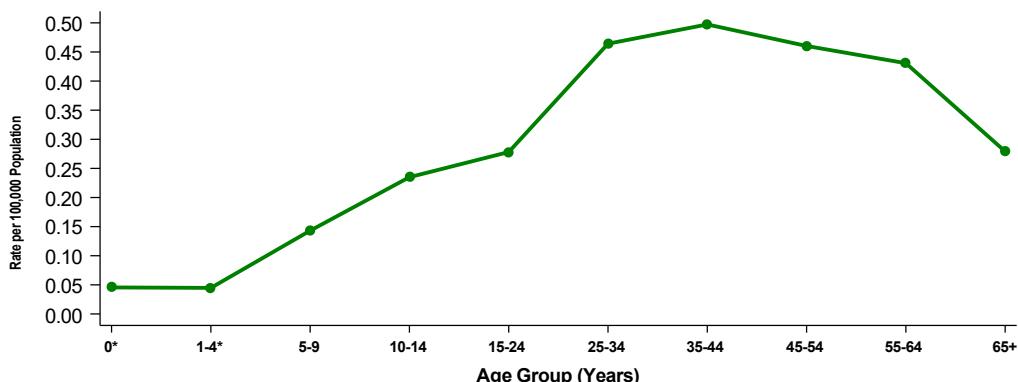
*Potentially unreliable rate: relative standard error 23 percent or more.

Dengue Virus Infection Cases and Population by Race/Ethnicity, California, 2011-2019
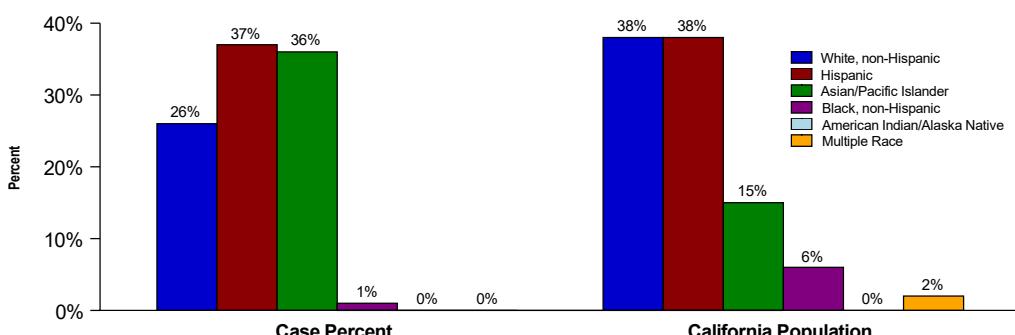
26.3% (n=324) of reported incidents of Dengue Virus Infection did not identify race/ethnicity and 2.9% (n=36) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Domoic Acid Poisoning

No cases of Domoic Acid Poisoning were reported to CDPH with illness onset during 2011-2019

Ehrlichiosis

Ehrlichiosis, Cases and Rates by Health Jurisdiction, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	0	-	3	0.0*	3	0.0*	1	0.0*	1	0.0*	1	0.0*	3	0.0*	3	0.0*	2	0.0*
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-
ALAMEDA	0	-	0	-	0	-	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	-	1	0.1*	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	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES	0	-	1	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	-	1	0.2*	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	-	1	0.0*	1	0.0*	0	-
SAN DIEGO	0	-	1	0.0*	1	0.0*	0	-	0	-	0	-	0	-	1	0.0*	2	0.1*
SAN FRANCISCO	0	-	0	-	0	-	1	0.1*	0	-	1	0.1*	0	-	0	-	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	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-
SANTA BARBARA	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*	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	-	0	-	0	-	1	0.2*	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, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
				YEAR OF ESTIMATED ILLNESS ONSET					
TOTAL	0	3	3	1	1	1	3	3	2
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	1	0
MAY	0	2	0	0	1	0	0	0	0
JUNE	0	1	0	0	0	0	1	0	1
JULY	0	0	3	0	0	1	1	0	0
AUGUST	0	0	0	0	0	0	1	0	0
SEPTEMBER	0	0	0	0	0	0	0	1	0
OCTOBER	0	0	0	0	0	0	0	1	0
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.

Ehrlichiosis, Cases and Rates by Age Group, California, 2011-2019

AGE GROUP	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
							YEAR OF ESTIMATED ILLNESS ONSET											
TOTAL	0	-	3	0.0*	3	0.0*	1	0.0*	1	0.0*	1	0.0*	3	0.0*	3	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	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	-	1	0.0*
25-34	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-
35-44	0	-	1	0.0*	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-
45-54	0	-	0	-	0	-	0	-	0	-	1	0.0*	2	0.0*	0	-	0	-
55-64	0	-	1	0.0*	1	0.0*	0	-	0	-	0	-	0	-	1	0.0*	0	-
65+	0	-	1	0.0*	1	0.0*	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.

Ehrlichiosis, Cases by Race/Ethnicity, California, 2011-2019

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
				YEAR OF ESTIMATED ILLNESS ONSET					
TOTAL	0	3	3	1	1	1	3	3	2
WHITE, NON-HISPANIC	0	2	1	0	0	0	1	2	0
HISPANIC	0	0	0	0	0	0	0	0	0
ASIAN/PACIFIC ISLANDER	0	0	0	0	0	0	0	1	0
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	0	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	0
UNKNOWN	0	1	2	1	1	1	2	0	2

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

Ehrlichiosis Cases by Year of Estimated Illness Onset, California, 2011-2019
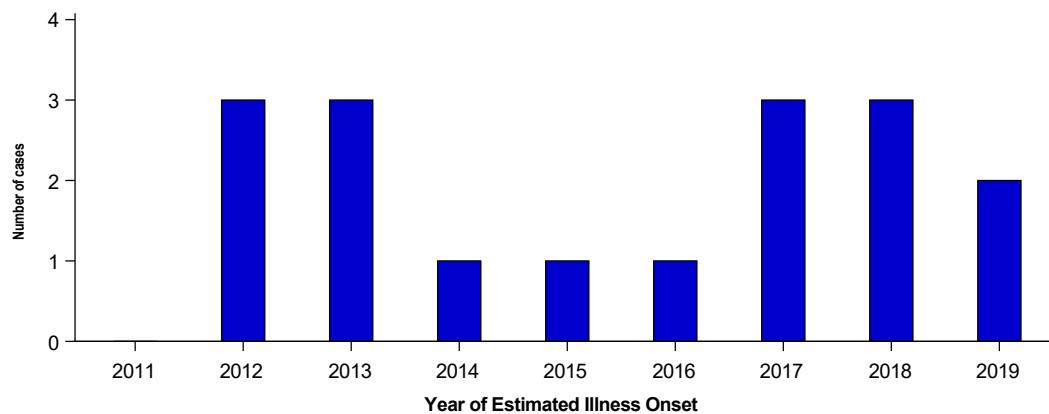
Please refer to Pages 4-8 for Technical Notes. Data are as of May 1, 2020.

Center for Infectious Diseases - Division of Communicable Disease Control - Infectious Diseases Branch - Surveillance and Statistics Section, July 2020   64

Flavivirus Infection of Undetermined Species

Flavivirus Infection of Undetermined Species, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
CALIFORNIA TOTAL	-	-	-	-	-	-	-	-	-	-	2		0		0		1	0.0*
ALAMEDA COUNTY TOTAL	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
ALAMEDA	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
BERKELEY	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
ALPINE	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
AMADOR	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
BUTTE	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
CALAVERAS	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
COLUSA	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
CONTRA COSTA	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
DEL NORTE	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
EL DORADO	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
FRESNO	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
GLENN	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
HUMBOLDT	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
IMPERIAL	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
INYO	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
KERN	-	-	-	-	-	-	-	-	-	-	0		0		0		1	0.1*
KINGS	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
LAKE	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
LASSEN	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
LOS ANGELES COUNTY TOTAL	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
LOS ANGELES	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
LONG BEACH	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
PASADENA	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
MADERA	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
MARIN	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
MARIPOSA	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
MENDOCINO	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
MERCED	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
MODOC	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
MONO	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
MONTEREY	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
NAPA	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
NEVADA	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
ORANGE	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
PLACER	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
PLUMAS	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
RIVERSIDE	-	-	-	-	-	-	-	-	-	-	1		0		0		0	-
SACRAMENTO	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
SAN BENITO	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
SAN BERNARDINO	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
SAN DIEGO	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
SAN FRANCISCO	-	-	-	-	-	-	-	-	-	-	1		0		0		0	-
SAN JOAQUIN	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
SAN LUIS OBISPO	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
SAN MATEO	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
SANTA BARBARA	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
SANTA CLARA	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
SANTA CRUZ	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
SHASTA	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
SIERRA	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
SISKIYOU	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
SOLANO	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
SONOMA	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
STANISLAUS	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
SUTTER	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
TEHAMA	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
TRINITY	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
TULARE	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
TUOLUMNE	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
VENTURA	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
YOLO	-	-	-	-	-	-	-	-	-	-	0		0		0		0	-
YUBA	-	-	-	-	-	-	-	-	-	-	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, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	-	-	-	-	-	2	0	0	1
JANUARY	-	-	-	-	-	-	0	0	0
FEBRUARY	-	-	-	-	-	-	0	0	0
MARCH	-	-	-	-	-	-	0	0	0
APRIL	-	-	-	-	-	-	0	0	0
MAY	-	-	-	-	-	-	0	0	0
JUNE	-	-	-	-	-	1	0	0	0
JULY	-	-	-	-	-	0	0	0	0
AUGUST	-	-	-	-	-	1	0	0	0
SEPTEMBER	-	-	-	-	-	0	0	0	0
OCTOBER	-	-	-	-	-	0	0	0	1
NOVEMBER	-	-	-	-	-	0	0	0	0
DECEMBER	-	-	-	-	-	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 Age Group, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

AGE GROUP	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
TOTAL	-		-		-		-		-		2		0		0		1	0.0*
0	-		-		-		-		-		0		0		0		0	-
1-4	-		-		-		-		-		0		0		0		0	-
5-9	-		-		-		-		-		0		0		0		0	-
10-14	-		-		-		-		-		0		0		0		0	-
15-24	-		-		-		-		-		0		0		0		0	-
25-34	-		-		-		-		-		0		0		0		0	-
35-44	-		-		-		-		-		1		0		0		1	0.0*
45-54	-		-		-		-		-		0		0		0		0	-
55-64	-		-		-		-		-		0		0		0		0	-
65+	-		-		-		-		-		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.
Note: Required reporting of Flavivirus Infection of Undetermined Species began June 1, 2016.

Flavivirus Infection of Undetermined Species, Cases by Race/Ethnicity, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	-	-	-	-	-	2	0	0	1
WHITE, NON-HISPANIC	-	-	-	-	-	0	0	0	0
HISPANIC	-	-	-	-	-	1	0	0	0
ASIAN/PACIFIC ISLANDER	-	-	-	-	-	0	0	0	0
BLACK, NON-HISPANIC	-	-	-	-	-	0	0	0	0
AMERICAN INDIAN/ALASKA NATIVE	-	-	-	-	-	0	0	0	0
MULTIPLE RACE	-	-	-	-	-	0	0	0	0
OTHER	-	-	-	-	-	0	0	0	1
UNKNOWN	-	-	-	-	-	1	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, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
CALIFORNIA TOTAL	1,726	4.6	1,736	4.6	1,939	5.0	1,828	4.7	2,069	5.3	2,487	6.3	2,581	6.5	2,636	6.6	2,630	6.6
ALAMEDA COUNTY TOTAL	121	7.9	104	6.7	109	6.9	109	6.8	159	9.8	220	13.4	257	15.6	246	14.8	250	14.9
ALAMEDA	105	7.4	95	6.6	85	5.8	90	6.1	138	9.2	196	13.0	221	14.5	223	14.5	233	15.1
BERKELEY	16	14.0*	9	7.8*	24	20.6	19	16.1	21	17.6	24	20.0	36	29.7	23	18.9	17	13.9*
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	6	16.4*	1	2.8*	1	2.7*	1	2.7*	1	2.7*	3	8.0*	1	2.6*	3	7.8*
BUTTE	16	7.2*	4	1.8*	12	5.4*	11	4.9*	18	8.0*	17	7.6*	28	12.4	14	6.2*	18	8.3*
CALAVERAS	3	6.6*	3	6.6*	0	-	2	4.4*	2	4.5*	4	8.9*	3	6.7*	2	4.5*	2	4.5*
COLUSA	5	23.3*	0	-	0	-	0	-	0	-	3	13.6*	0	-	0	-	3	13.3*
CONTRA COSTA	46	4.3	59	5.5	59	5.4	38	3.4	66	5.9	11	1.0*	105	9.2	124	10.8	124	10.8
DEL NORTE	2	7.1*	2	7.1*	0	-	1	3.7*	1	3.7*	1	3.7*	1	3.7*	1	3.6*	2	7.3*
EL DORADO	12	6.6*	9	5.0*	4	2.2*	6	3.3*	9	4.9*	11	6.0*	19	10.2	12	6.3*	17	8.9*
FRESNO	16	1.7*	11	1.2*	18	1.9*	20	2.1	34	3.5	45	4.6	34	3.4	31	3.1	29	2.8
GLENN	0	-	0	-	1	3.5*	2	7.1*	0	-	1	3.5*	0	-	0	-	1	3.4*
HUMBOLDT	12	8.9*	20	14.8	17	12.6*	10	7.4*	20	14.8	11	8.1*	9	6.6*	9	6.6*	8	5.9*
IMPERIAL	0	-	4	2.2*	1	0.6*	1	0.5*	1	0.5*	7	3.8*	1	0.5*	4	2.1*	11	5.8*
INYO	0	-	0	-	0	-	1	5.4*	0	-	1	5.4*	2	10.8*	1	5.4*	4	21.7*
KERN	27	3.2	16	1.9*	15	1.7*	24	2.7	14	1.6*	22	2.5	32	3.6	29	3.2	35	3.8
KINGS	1	0.7*	0	-	1	0.7*	12	8.0*	4	2.7*	3	2.0*	3	2.0*	4	2.6*	6	3.9*
LAKE	1	1.5*	2	3.1*	3	4.6*	1	1.5*	3	4.6*	3	4.7*	3	4.6*	2	3.1*	3	4.6*
LASSEN	0	-	0	-	2	6.2*	2	6.3*	0	-	1	3.3*	1	3.3*	0	-	0	-
LOS ANGELES COUNTY TOTAL	326	3.3	333	3.3	441	4.4	394	3.9	447	4.4	505	4.9	440	4.3	526	5.1	476	4.6
LOS ANGELES	301	3.2	315	3.4	407	4.3	367	3.9	424	4.5	465	4.9	399	4.2	485	5.1	448	4.7
LONG BEACH	21	4.5	15	3.2*	22	4.7	18	3.8*	17	3.6*	30	6.3	33	6.9	31	6.5	25	5.3
PASADENA	4	2.9*	3	2.1*	12	8.5*	9	6.4*	6	4.3*	10	7.1*	8	5.6*	10	6.9*	3	2.1*
MADERA	1	0.7*	3	2.0*	2	1.3*	5	3.2*	3	1.9*	2	1.3*	8	5.1*	5	3.2*	7	4.4*
MARIN	30	11.8	40	15.6	39	15.1	32	12.2	33	12.6	46	17.5	46	17.6	45	17.2	51	19.5
MARIPOSA	0	-	0	-	2	11.0*	0	-	2	11.1*	1	5.5*	2	11.1*	1	5.6*	0	-
MENDOCINO	7	8.0*	12	13.6*	9	10.2*	7	7.9*	7	7.9*	6	6.8*	14	15.7*	15	16.9*	16	18.1*
MERCED	6	2.3*	6	2.3*	4	1.5*	3	1.1*	2	0.7*	6	2.2*	6	2.2*	12	4.3*	9	3.2*
MODOC	0	-	0	-	0	-	1	10.4*	0	-	0	-	0	-	1	10.5*	0	-
MONO	0	-	0	-	0	-	2	14.3*	0	-	2	14.5*	4	28.8*	1	7.2*	1	7.2*
MONTEREY	12	2.9*	14	3.3*	8	1.9*	9	2.1*	15	3.4*	45	10.2	19	4.3	39	8.8	20	4.5
NAPA	4	2.9*	10	7.2*	12	8.6*	7	5.0*	10	7.1*	17	12.0*	14	9.9*	12	8.5*	11	7.9*
NEVADA	10	10.1*	9	9.2*	9	9.2*	12	12.2*	11	11.2*	6	6.1*	16	16.3*	10	10.1*	9	9.1*
ORANGE	140	4.6	111	3.6	149	4.8	122	3.9	125	4.0	176	5.5	124	3.9	131	4.1	165	5.1
PLACER	24	6.7	12	3.3*	32	8.8	16	4.3*	15	4.0*	19	5.0	23	6.0	17	4.4*	31	7.9
PLUMAS	0	-	7	36.0*	1	5.3*	2	10.6*	4	21.5*	5	26.6*	4	21.3*	4	21.4*	1	5.3*
RIVERSIDE	22	1.0	48	2.1	55	2.4	64	2.8	62	2.7	78	3.3	88	3.7	82	3.4	98	4.0
SACRAMENTO	65	4.5	10	0.7*	10	0.7*	19	1.3	3	0.2*	7	0.5*	9	0.6*	91	5.9	100	6.4
SAN BENITO	1	1.8*	4	7.0*	3	5.2*	2	3.4*	4	6.8*	3	5.0*	2	3.3*	2	3.3*	1	1.6*
SAN BERNARDINO	39	1.9	28	1.3	48	2.3	53	2.5	47	2.2	52	2.4	52	2.4	52	2.4	52	2.4
SAN DIEGO	245	7.8	241	7.6	265	8.3	254	7.8	318	9.7	394	12.0	321	9.7	230	6.9	218	6.5
SAN FRANCISCO	173	21.1	179	21.4	198	23.4	160	18.7	192	22.2	225	25.8	244	27.7	214	24.1	181	20.4
SAN JOAQUIN	44	6.3	34	4.8	37	5.2	20	2.8	22	3.0	30	4.1	41	5.5	42	5.5	46	6.0
SAN LUIS OBISPO	17	6.3*	16	5.9*	7	2.6*	10	3.6*	16	5.8*	10	3.6*	9	3.2*	7	2.5*	12	4.3*
SAN MATEO	57	7.8	54	7.3	47	6.3	48	6.3	53	6.9	53	6.9	80	10.4	81	10.5	80	10.3
SANTA BARBARA	27	6.3	23	5.3	21	4.8	30	6.8	17	3.8*	28	6.3	25	5.6	31	6.8	35	7.7
SANTA CLARA	89	4.9	123	6.7	125	6.7	140	7.4	116	6.0	184	9.5	191	9.8	199	10.2	205	10.5
SANTA CRUZ	10	3.8*	20	7.5	19	7.0	19	7.0	17	6.2*	21	7.6	29	10.5	32	11.6	27	9.8
SHASTA	3	1.7*	5	2.8*	5	2.8*	3	1.7*	10	5.6*	7	3.9*	8	4.5*	14	7.9*	10	5.6*
SIERRA	1	31.0*	0	-	0	-	0	-	0	-	1	31.8*	0	-	0	-	1	32.0*
SISKIYOU	1	2.2*	7	15.6*	5	11.2*	0	-	0	-	3	6.8*	3	6.8*	3	6.8*	1	2.3*
SOLANO	10	2.4*	19	4.5	13	3.1*	17	4.0*	27	6.3	25	5.8	41	9.4	23	5.2	24	5.4
SONOMA	36	7.4	49	10.0	37	7.5	39	7.8	50	10.0	32	6.4	43	8.5	49	9.8	72	14.4
STANISLAUS	13	2.5*	11	2.1*	17	3.2*	25	4.7	27	5.0	32	5.9	77	14.0	71	12.8	60	10.7
SUTTER	0	-	3	3.1*	4	4.1*	2	2.1*	2	2.1*	4	4.1*	4	4.0*	7	6.9*	6	5.8*
TEHAMA	2	3.2*	5	7.9*	0	-	1	1.6*	3	4.7*	2	3.1*	3	4.7*	5	7.7*	4	6.1*
TRINITY	0	-	0	-	1	7.3*	0	-	5	36.9*	0	-	0	-	3	22.4*	2	14.9*
TULARE	9	2.0*	22	4.9	16	3.5*	20	4.3	13	2.8*	19	4.1	15	3.2*	16	3.4*	3	0.6*
TUOLUMNE	1	1.8*	1	1.9*	0	-	3	5.6*	3	5.6*	7	13.1*	1	1.9*	4	7.6*	3	5.7*
VENTURA	19	2.3	30	3.6	34	4.0	36	4.2	43	5.0	52	6.1	49	5.7	58	6.8	63	7.4
YOLO	20	9.8	6	2.9*	16	7.7*	8	3.8*	13	6.1*	16	7.4*	23	10.5	17	7.7*	9	4.0*
YUBA	0	-	1	1.4*	5	6.8*	2	2.7*	0	-	4	5.3*	2	2.6*	4	5.2*	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, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	1,726	1,736	1,939	1,828	2,069	2,487	2,581	2,636	2,630
JANUARY	131	121	205	139	160	191	193	254	199
FEBRUARY	114	97	145	139	123	178	165	211	213
MARCH	156	119	162	140	145	224	187	239	200
APRIL	140	128	123	145	168	210	209	212	220
MAY	133	134	135	143	150	200	231	222	197
JUNE	144	137	164	123	153	179	216	217	215
JULY	175	161	203	184	179	208	249	243	244
AUGUST	173	181	223	184	194	241	281	294	301
SEPTEMBER	169	170	196	185	159	222	232	214	247
OCTOBER	139	162	136	151	234	209	222	231	238
NOVEMBER	130	149	118	164	222	213	200	157	186
DECEMBER	122	177	129	131	182	212	196	142	170

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

Giardiasis, Cases and Rates by Age Group, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

AGE GROUP	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
TOTAL	1,726	4.6	1,736	4.6	1,939	5.0	1,828	4.7	2,069	5.3	2,487	6.3	2,581	6.5	2,636	6.6	2,630	6.6
0	20	3.9	4	0.8*	12	2.4*	5	1.0*	2	0.4*	13	2.7*	10	2.1*	10	2.2*	14	3.1*
1-4	177	8.8	150	7.4	153	7.6	152	7.6	182	9.1	188	9.5	192	9.7	150	7.7	145	7.6
5-9	135	5.4	118	4.6	124	4.8	119	4.6	133	5.2	168	6.5	173	6.7	146	5.7	169	6.6
10-14	75	2.9	82	3.2	82	3.2	67	2.7	75	3.0	104	4.1	87	3.4	93	3.6	78	3.0
15-24	189	3.3	200	3.5	228	3.9	211	3.6	248	4.2	260	4.4	324	5.5	276	4.7	229	3.9
25-34	225	4.2	232	4.3	287	5.3	293	5.4	352	6.5	407	7.6	448	8.3	479	8.8	493	9.1
35-44	281	5.4	282	5.5	283	5.5	282	5.5	302	5.9	350	6.8	323	6.3	369	7.1	349	6.6
45-54	252	4.8	271	5.2	322	6.2	283	5.4	333	6.4	382	7.4	360	7.0	399	7.9	374	7.5
55-64	198	4.7	222	5.1	233	5.3	231	5.1	237	5.1	331	7.0	373	7.8	402	8.3	419	8.6
65+	167	3.8	167	3.6	203	4.2	178	3.5	199	3.8	279	5.2	286	5.1	309	5.3	353	5.9
UNKNOWN	7	-	8	-	12	-	7	-	6	-	5	-	5	-	3	-	7	-

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, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	1,726	1,736	1,939	1,828	2,069	2,487	2,581	2,636	2,630
WHITE, NON-HISPANIC	494	503	618	565	799	911	968	941	940
HISPANIC	253	239	262	261	261	329	337	386	408
ASIAN/PACIFIC ISLANDER	104	95	65	97	69	89	122	129	148
BLACK, NON-HISPANIC	71	62	62	68	71	136	105	87	72
AMERICAN INDIAN/ALASKA NATIVE	2	5	3	7	4	3	6	7	8
MULTIPLE RACE	3	2	7	19	1	6	4	7	13
OTHER	29	24	21	31	57	115	233	183	226
UNKNOWN	770	806	901	780	807	898	806	896	815

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

Giardiasis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2011-2019
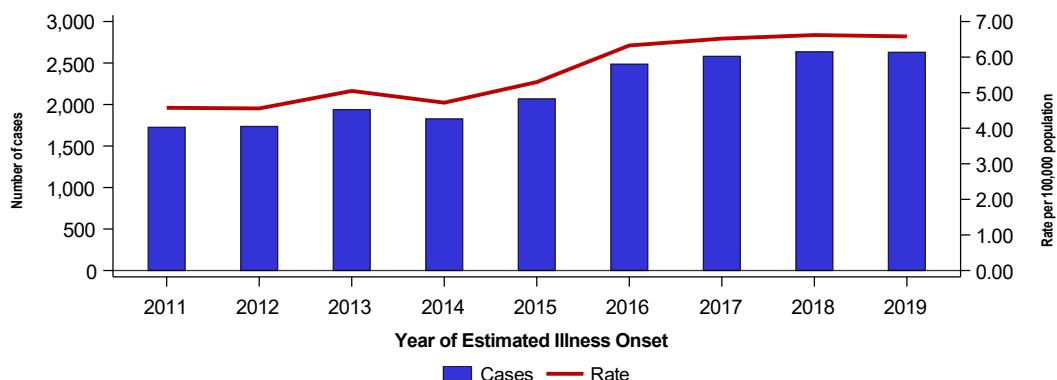
Giardiasis Incidence Rates by Age Group and Year of Estimated Illness Onset, California, 2011-2019
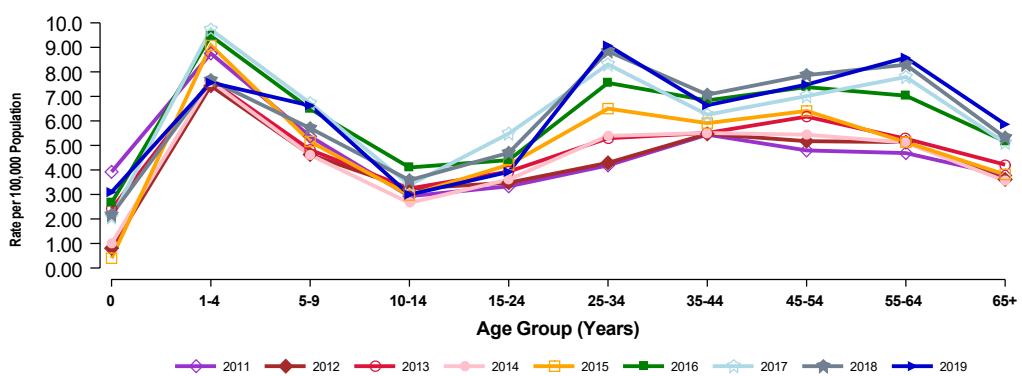
Giardiasis Cases and Population by Race/Ethnicity, California, 2011-2019
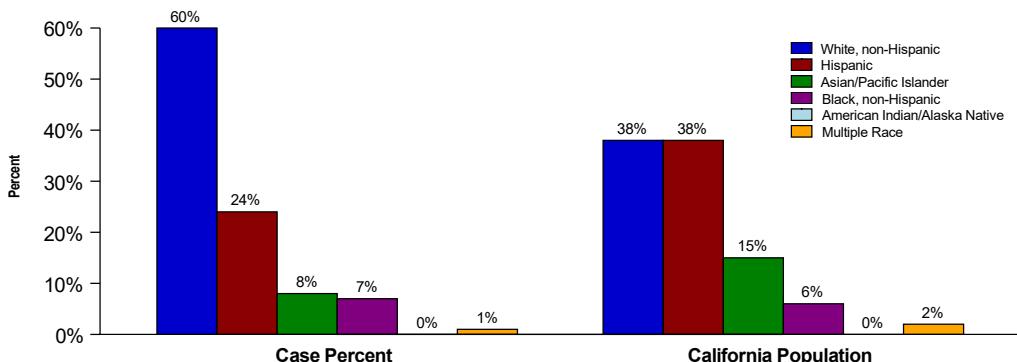
38.1% (n=7479) of reported incidents of Giardiasis did not identify race/ethnicity and 4.7% (n=919) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Hantavirus Infection

Hantavirus Infection, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
CALIFORNIA TOTAL	0	-	10	0.0*	3	0.0*	1	0.0*	2	0.0*	1	0.0*	5	0.0*	5	0.0*	4	0.0*
ALAMEDA COUNTY TOTAL	0	-	2	0.1*	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-
ALAMEDA	0	-	2	0.1*	0	-	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	-	1	0.1*	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	-	1	0.1*	1	0.1*	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	-	1	5.4*	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	-	1	0.0*	0	-	0	-	1	0.0*	1	0.0*	0	-	0	-
LOS ANGELES	0	-	0	-	1	0.0*	0	-	0	-	1	0.0*	1	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	-	1	0.4*	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	1	7.1*	0	-	0	-	2	14.4*	0	-	1	7.2*	0	-	3	21.6*
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	-	1	0.0*	0	-	0	-
PLACER	0	-	0	-	0	-	1	0.3*	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	0	-	0	-	0	-	0	-	0	-	0	-	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	-	0	-	0	-	0	-	0	-
SAN DIEGO	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*
SAN FRANCISCO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	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	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA BARBARA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CLARA	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CRUZ	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*	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	-	1	0.5*	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, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
YEAR OF ESTIMATED ILLNESS ONSET									
TOTAL	0	10	3	1	2	1	5	5	4
JANUARY	0	1	0	0	0	0	1	0	0
FEBRUARY	0	0	0	0	0	0	0	0	1
MARCH	0	0	0	0	0	0	1	2	0
APRIL	0	0	0	0	0	0	0	1	0
MAY	0	1	1	0	0	0	0	0	1
JUNE	0	0	1	1	0	0	0	0	0
JULY	0	5	0	0	2	0	1	0	0
AUGUST	0	3	1	0	0	0	1	1	0
SEPTEMBER	0	0	0	0	0	0	0	0	1
OCTOBER	0	0	0	0	0	0	0	1	0
NOVEMBER	0	0	0	0	0	0	0	0	1
DECEMBER	0	0	0	0	0	1	1	0	0

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

Hantavirus Infection, Cases and Rates by Age Group, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	0	-	10	0.0*	3	0.0*	1	0.0*	2	0.0*	1	0.0*	5	0.0*	5	0.0*	4	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	-	1	0.0*
10-14	0	-	1	0.0*	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-
15-24	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	2	0.0*	0	-
25-34	0	-	1	0.0*	0	-	0	-	0	-	0	-	2	0.0*	0	-	2	0.0*
35-44	0	-	4	0.1*	0	-	0	-	1	0.0*	0	-	1	0.0*	2	0.0*	0	-
45-54	0	-	3	0.1*	1	0.0*	0	-	1	0.0*	0	-	0	-	0	-	0	-
55-64	0	-	1	0.0*	1	0.0*	0	-	0	-	0	-	0	-	1	0.0*	0	-
65+	0	-	0	-	0	-	1	0.0*	0	-	1	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, 2011-2019

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
YEAR OF ESTIMATED ILLNESS ONSET									
TOTAL	0	10	3	1	2	1	5	5	4
WHITE, NON-HISPANIC	0	4	3	1	2	1	2	1	4
HISPANIC	0	2	0	0	0	0	1	3	0
ASIAN/PACIFIC ISLANDER	0	3	0	0	0	0	0	0	0
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	0	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	0
UNKNOWN	0	1	0	0	0	0	2	1	0

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

Hantavirus Infection Cases by Year of Estimated Illness Onset, California, 2011-2019
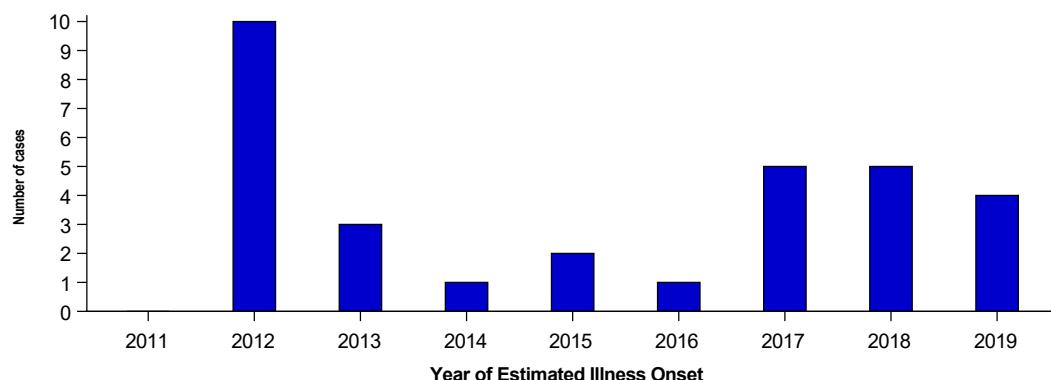
Please refer to Pages 4-8 for Technical Notes. Data are as of May 1, 2020.

Center for Infectious Diseases - Division of Communicable Disease Control - Infectious Diseases Branch - Surveillance and Statistics Section, July 2020   72

Hepatitis E, acute infection

Hepatitis E, acute infection, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	2011 RATE	2012 CASES	2012 RATE	2013 CASES	2013 RATE	2014 CASES	2014 RATE	2015 CASES	2015 RATE	2016 CASES	2016 RATE	2017 CASES	2017 RATE	2018 CASES	2018 RATE	2019 CASES	2019 RATE
CALIFORNIA TOTAL	3	0.0*	18	0.0*	41	0.1	31	0.1	37	0.1	49	0.1	38	0.1	30	0.1	38	0.1
ALAMEDA COUNTY TOTAL	0	-	0	-	1	0.1*	4	0.2*	2	0.1*	4	0.2*	2	0.1*	4	0.2*	1	0.1*
ALAMEDA	0	-	0	-	1	0.1*	4	0.3*	2	0.1*	4	0.3*	2	0.1*	3	0.2*	1	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	-	1	2.7*	0	-	0	-	0	-	0	-
BUTTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	1	2.2*	1	2.2*	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	0	-	3	0.3*	1	0.1*	0	-	3	0.3*	5	0.4*	2	0.2*	0	-	4	0.3*
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	1	0.5*	1	0.5*	0	-	0	-	0	-	0	-
FRESNO	0	-	2	0.2*	1	0.1*	1	0.1*	1	0.1*	0	-	0	-	2	0.2*	2	0.2*
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	-	2	1.1*	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	0	-	0	-	1	0.1*	2	0.2*	0	-	1	0.1*	0	-
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.5*
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	0	-	4	0.0*	2	0.0*	1	0.0*	2	0.0*	2	0.0*	3	0.0*	4	0.0*	6	0.1*
LOS ANGELES	0	-	2	0.0*	1	0.0*	0	-	2	0.0*	2	0.0*	1	0.0*	4	0.0*	6	0.1*
LONG BEACH	0	-	2	0.4*	1	0.2*	1	0.2*	0	-	0	-	1	0.2*	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	1	0.7*	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	1	0.6*	0	-	2	1.3*
MARIN	0	-	0	-	3	1.2*	5	1.9*	1	0.4*	0	-	1	0.4*	2	0.8*	1	0.4*
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	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	0	-	0	-	1	0.2*	1	0.2*	0	-	1	0.2*	0	-	0	-	0	-
NAPA	0	-	0	-	0	-	0	-	0	-	1	0.7*	1	0.7*	0	-	0	-
NEVADA	1	1.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	0	-	1	0.0*	1	0.0*	0	-	0	-	3	0.1*	1	0.0*	0	-	0	-
PLACER	0	-	1	0.3*	2	0.5*	0	-	1	0.3*	0	-	0	-	0	-	1	0.3*
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	0	-	0	-	0	-	3	0.1*	0	-	1	0.0*	1	0.0*
SACRAMENTO	0	-	1	0.1*	6	0.4*	1	0.1*	7	0.5*	7	0.5*	1	0.1*	1	0.1*	2	0.1*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	0	-	0	-	2	0.1*	0	-	1	0.0*	1	0.0*	3	0.1*	1	0.0*	1	0.0*
SAN DIEGO	1	0.0*	3	0.1*	2	0.1*	0	-	0	-	2	0.1*	2	0.1*	2	0.1*	1	0.0*
SAN FRANCISCO	0	-	0	-	0	-	1	0.1*	1	0.1*	1	0.1*	5	0.6*	1	0.1*	4	0.4*
SAN JOAQUIN	0	-	0	-	0	-	1	0.1*	3	0.4*	0	-	0	-	2	0.3*	0	-
SAN LUIS OBISPO	0	-	1	0.4*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	1	0.1*	2	0.3*	0	-	1	0.1*	1	0.1*	0	-	2	0.3*	3	0.4*	2	0.3*
SANTA BARBARA	0	-	0	-	1	0.2*	0	-	0	-	0	-	1	0.2*	0	-	0	-
SANTA CLARA	0	-	0	-	14	0.7*	7	0.4*	8	0.4*	8	0.4*	2	0.1*	2	0.1*	1	0.1*
SANTA CRUZ	0	-	0	-	0	-	1	0.4*	0	-	0	-	1	0.4*	1	0.4*	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	-	1	0.2*	0	-	0	-	1	0.2*	1	0.2*	0	-	2	0.5*
SONOMA	0	-	0	-	2	0.4*	6	1.2*	1	0.2*	2	0.4*	3	0.6*	1	0.2*	2	0.4*
STANISLAUS	0	-	0	-	0	-	0	-	0	-	3	0.6*	3	0.5*	1	0.2*	3	0.5*
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	-	1	0.2*	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	0	-	0	-	0	-	0	-	0	-	1	0.1*	1	0.1*	0	-	0	-
YOLO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.5*	1	0.4*
YUBA	0	-	0	-	1	1.4*	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, 2011-2019

					YEAR OF ESTIMATED ILLNESS ONSET				
MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	3	18	41	31	37	49	38	30	38
JANUARY	0	1	1	1	2	5	7	2	2
FEBRUARY	0	2	3	0	2	5	3	5	3
MARCH	0	0	6	4	2	0	6	3	6
APRIL	0	1	5	3	3	9	2	1	3
MAY	0	2	3	3	2	4	2	4	4
JUNE	0	1	1	1	5	6	0	3	3
JULY	0	2	2	3	3	6	4	3	6
AUGUST	0	0	7	1	5	3	2	2	3
SEPTEMBER	0	1	7	9	1	1	2	2	3
OCTOBER	1	2	2	2	5	3	5	0	2
NOVEMBER	1	2	3	3	3	3	2	2	2
DECEMBER	1	4	1	1	4	4	3	3	1

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

Hepatitis E, acute infection, Cases and Rates by Age Group, California, 2011-2019

									YEAR OF ESTIMATED ILLNESS ONSET								
	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	3	0.0*	18	0.0*	41	0.1	31	0.1	37	0.1	49	0.1	38	0.1	30	0.1	38	0.1
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*
1-4	0	-	0	-	0	-	0	-	0	-	3	0.2*	1	0.1*	0	-	0	-
5-9	0	-	0	-	1	0.0*	0	-	1	0.0*	0	-	0	-	1	0.0*	2	0.1*
10-14	0	-	1	0.0*	1	0.0*	0	-	1	0.0*	0	-	0	-	0	-	1	0.0*
15-24	0	-	4	0.1*	8	0.1*	6	0.1*	8	0.1*	9	0.2*	1	0.0*	4	0.1*	7	0.1*
25-34	2	0.0*	2	0.0*	13	0.2*	4	0.1*	8	0.1*	14	0.3*	11	0.2*	7	0.1*	4	0.1*
35-44	1	0.0*	1	0.0*	5	0.1*	3	0.1*	6	0.1*	5	0.1*	4	0.1*	5	0.1*	5	0.1*
45-54	0	-	2	0.0*	2	0.0*	6	0.1*	6	0.1*	7	0.1*	5	0.1*	0	-	4	0.1*
55-64	0	-	6	0.1*	8	0.2*	5	0.1*	3	0.1*	4	0.1*	7	0.1*	7	0.1*	4	0.1*
65+	0	-	2	0.0*	3	0.1*	6	0.1*	4	0.1*	7	0.1*	9	0.2*	5	0.1*	10	0.2*
UNKNOWN	0	-	0	-	0	-	1	-	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.

Hepatitis E, acute infection, Cases by Race/Ethnicity, California, 2011-2019

					YEAR OF ESTIMATED ILLNESS ONSET				
RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	3	18	41	31	37	49	38	30	38
WHITE, NON-HISPANIC	1	5	7	3	6	9	6	7	8
HISPANIC	0	2	3	3	5	8	4	4	7
ASIAN/PACIFIC ISLANDER	1	5	7	4	8	7	10	9	14
BLACK, NON-HISPANIC	0	0	0	0	0	2	1	2	1
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	0	0	0
OTHER	0	0	1	1	0	4	1	0	1
UNKNOWN	1	6	23	20	18	19	16	8	7

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, 2011-2019
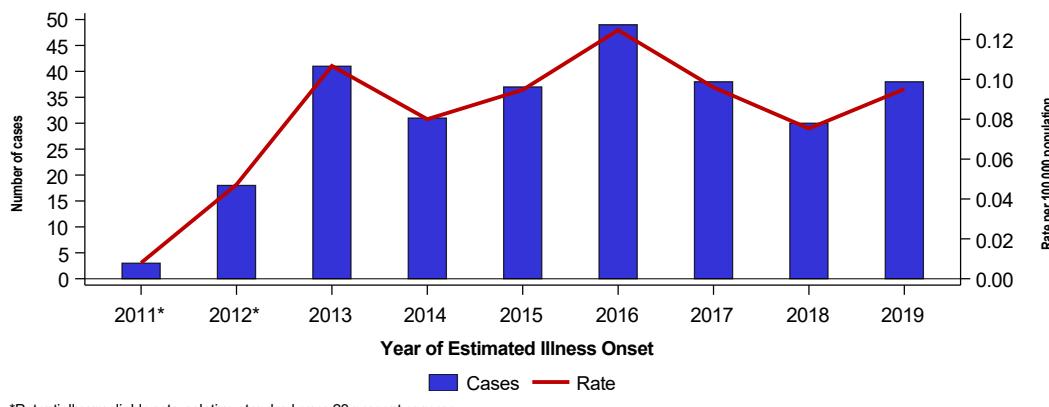
*Potentially unreliable rate: relative standard error 23 percent or more.

Hepatitis E, acute infection Average Incidence Rates by Age Group, California, 2011-2019
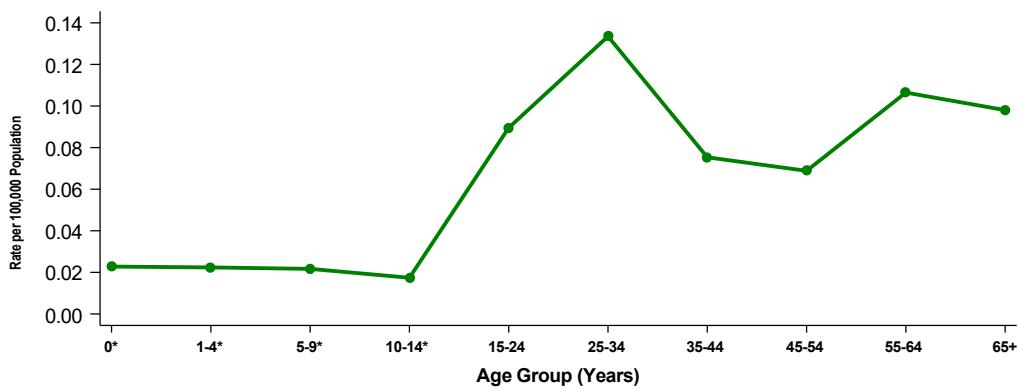
*Potentially unreliable rate: relative standard error 23 percent or more.

Hepatitis E, acute infection Cases and Population by Race/Ethnicity, California, 2011-2019
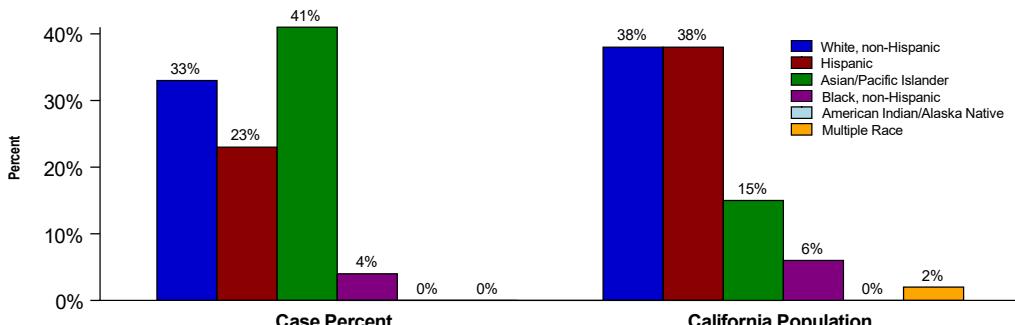
41.4% (n=118) of reported incidents of Hepatitis E, acute infection did not identify race/ethnicity and 2.8% (n=8) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Legionellosis

Legionellosis, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	2011 RATE	2012 CASES	2012 RATE	2013 CASES	2013 RATE	2014 CASES	2014 RATE	2015 CASES	2015 RATE	2016 CASES	2016 RATE	2017 CASES	2017 RATE	2018 CASES	2018 RATE	2019 CASES	2019 RATE
CALIFORNIA TOTAL	254	0.7	251	0.7	204	0.5	354	0.9	469	1.2	602	1.5	537	1.4	451	1.1	542	1.4
ALAMEDA COUNTY TOTAL	5	0.3*	5	0.3*	4	0.3*	7	0.4*	19	1.2	17	1.0*	18	1.1*	10	0.6*	19	1.1
ALAMEDA	5	0.4*	3	0.2*	3	0.2*	7	0.5*	19	1.3	17	1.1*	16	1.0*	8	0.5*	18	1.2*
BERKELEY	0	-	2	1.7*	1	0.9*	0	-	0	-	0	-	2	1.7*	2	1.6*	1	0.8*
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	1	2.7*	0	-	0	-	0	-	2	5.2*
BUTTE	1	0.5*	0	-	0	-	2	0.9*	1	0.4*	4	1.8*	1	0.4*	2	0.9*	1	0.5*
CALAVERAS	0	-	0	-	0	-	0	-	0	-	1	2.2*	0	-	2	4.5*	1	2.3*
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	5	0.5*	2	0.2*	7	0.6*	7	0.6*	9	0.8*	6	0.5*	7	0.6*	5	0.4*	8	0.7*
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	1	0.5*	0	-	0	-	3	1.6*	2	1.0*
FRESNO	3	0.3*	5	0.5*	4	0.4*	3	0.3*	7	0.7*	9	0.9*	16	1.6*	13	1.3*	14	1.4*
GLENN	0	-	0	-	0	-	0	-	0	-	1	3.5*	0	-	0	-	0	-
HUMBOLDT	1	0.7*	1	0.7*	4	3.0*	0	-	3	2.2*	3	2.2*	1	0.7*	1	0.7*	1	0.7*
IMPERIAL	0	-	0	-	0	-	1	0.5*	2	1.1*	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	1	0.1*	4	0.5*	1	0.1*	1	0.1*	3	0.3*	5	0.6*	4	0.4*	5	0.6*	5	0.5*
KINGS	2	1.3*	2	1.3*	1	0.7*	1	0.7*	1	0.7*	3	2.0*	1	0.7*	2	1.3*	1	0.6*
LAKE	0	-	0	-	0	-	0	-	1	1.5*	0	-	0	-	0	-	1	1.5*
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	120	1.2	115	1.1	90	0.9	145	1.4	178	1.7	253	2.5	185	1.8	133	1.3	191	1.9
LOS ANGELES	116	1.3	108	1.2	83	0.9	138	1.5	165	1.7	239	2.5	165	1.7	122	1.3	179	1.9
LONG BEACH	4	0.9*	6	1.3*	3	0.6*	7	1.5*	10	2.1*	7	1.5*	15	3.2*	7	1.5*	6	1.3*
PASADENA	0	-	1	0.7*	4	2.8*	0	-	3	2.1*	7	4.9*	5	3.5*	4	2.8*	6	4.1*
MADERA	1	0.7*	0	-	0	-	1	0.6*	2	1.3*	0	-	2	1.3*	4	2.5*	4	2.5*
MARIN	1	0.4*	1	0.4*	0	-	0	-	11	4.2*	0	-	1	0.4*	1	0.4*	2	0.8*
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	5.6*	0	-
MENDOCINO	0	-	0	-	0	-	3	3.4*	0	-	0	-	2	2.2*	2	2.3*	3	3.4*
MERCED	2	0.8*	0	-	2	0.8*	0	-	0	-	0	-	0	-	3	1.1*	7	2.5*
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	3	0.7*	2	0.5*	2	0.5*	5	1.2*	6	1.4*	5	1.1*	7	1.6*	4	0.9*	5	1.1*
NAPA	0	-	2	1.4*	0	-	2	1.4*	2	1.4*	3	2.1*	1	0.7*	4	2.8*	1	0.7*
NEVADA	0	-	0	-	0	-	0	-	5	5.1*	1	1.0*	2	2.0*	1	1.0*	1	1.0*
ORANGE	30	1.0	25	0.8	15	0.5	32	1.0	37	1.2	64	2.0	58	1.8	46	1.4	67	2.1
PLACER	3	0.8*	2	0.6*	2	0.5*	5	1.4*	2	0.5*	4	1.1*	2	0.5*	1	0.3*	2	0.5*
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	8	0.4*	10	0.4*	8	0.4*	15	0.7*	37	1.6	36	1.5	44	1.8	38	1.6	28	1.1
SACRAMENTO	7	0.5*	8	0.6*	10	0.7*	12	0.8*	16	1.1*	15	1.0*	11	0.7*	18	1.2*	14	0.9*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	1	1.7*	0	-	2	3.3*	0	-
SAN BERNARDINO	12	0.6*	12	0.6*	10	0.5*	21	1.0	24	1.1	48	2.2	30	1.4	32	1.5	34	1.5
SAN DIEGO	20	0.6	22	0.7	18	0.6*	37	1.1	49	1.5	53	1.6	63	1.9	53	1.6	51	1.5
SAN FRANCISCO	2	0.2*	4	0.5*	2	0.2*	3	0.4*	4	0.5*	1	0.1*	7	0.8*	3	0.3*	4	0.4*
SAN JOAQUIN	3	0.4*	4	0.6*	0	-	4	0.6*	6	0.8*	7	0.9*	7	0.9*	6	0.8*	14	1.8*
SAN LUIS OBISPO	1	0.4*	0	-	0	-	0	-	0	-	3	1.1*	1	0.4*	1	0.4*	2	0.7*
SAN MATEO	2	0.3*	2	0.3*	1	0.1*	2	0.3*	0	-	3	0.4*	8	1.0*	2	0.3*	4	0.5*
SANTA BARBARA	3	0.7*	3	0.7*	3	0.7*	2	0.5*	8	1.8*	3	0.7*	7	1.6*	6	1.3*	4	0.9*
SANTA CLARA	6	0.3*	9	0.5*	4	0.2*	15	0.8*	10	0.5*	15	0.8*	10	0.5*	11	0.6*	13	0.7*
SANTA CRUZ	3	1.1*	3	1.1*	0	-	0	-	1	0.4*	6	2.2*	3	1.1*	1	0.4*	6	2.2*
SHASTA	0	-	0	-	0	-	0	-	0	-	1	0.6*	2	1.1*	3	1.7*	1	0.6*
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	2	4.5*	0	-	0	-	0	-	0	-	1	2.3*	0	-
SOLANO	4	1.0*	1	0.2*	6	1.4*	3	0.7*	5	1.2*	3	0.7*	4	0.9*	3	0.7*	8	1.8*
SONOMA	1	0.2*	2	0.4*	1	0.2*	0	-	1	0.2*	7	1.4*	6	1.2*	5	1.0*	2	0.4*
STANISLAUS	0	-	2	0.4*	1	0.2*	8	1.5*	7	1.3*	7	1.3*	9	1.6*	1	0.2*	2	0.4*
SUTTER	0	-	0	-	0	-	2	2.1*	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	1	1.6*	0	-	0	-	1	1.6*	0	-	1	1.5*
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	1	0.2*	0	-	0	-	0	-	1	0.2*	2	0.4*	1	0.2*
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	2	3.8*	0	-	0	-	0	-
VENTURA	4	0.5*	3	0.4*	5	0.6*	11	1.3*	8	0.9*	10	1.2*	12	1.4*	13	1.5*	12	1.4*
YOLO	0	-	0	-	0	-	3	1.4*	2	0.9*	2	0.9*	2	0.9*	2	0.9*	2	0.9*
YUBA	0	-	0	-	0	-	0	-	0	-	0	-	1	1.3*	5	6.5*	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.

Legionellosis

Legionellosis, Cases by Month of Estimated Illness Onset, California, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
				YEAR OF ESTIMATED ILLNESS ONSET					
TOTAL	254	251	204	354	469	602	537	451	542
JANUARY	25	15	21	17	46	48	77	49	62
FEBRUARY	22	18	18	17	46	27	38	26	49
MARCH	17	14	15	30	44	40	26	42	36
APRIL	15	15	12	31	45	39	35	30	42
MAY	20	16	13	32	51	32	42	27	49
JUNE	18	14	17	26	26	26	42	29	35
JULY	22	13	29	38	39	46	52	30	45
AUGUST	21	29	11	31	35	67	57	29	41
SEPTEMBER	16	23	24	23	49	50	48	45	47
OCTOBER	30	21	19	27	30	46	43	36	44
NOVEMBER	31	18	11	27	27	79	43	39	43
DECEMBER	17	55	14	55	31	102	34	69	49

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

Legionellosis, Cases and Rates by Age Group, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

AGE GROUP	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
TOTAL	254	0.7	251	0.7	204	0.5	354	0.9	469	1.2	602	1.5	537	1.4	451	1.1	542	1.4
0	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-
1-4	2	0.1*	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-
5-9	2	0.1*	1	0.0*	1	0.0*	0	-	0	-	0	-	0	-	0	-	1	0.0*
10-14	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
15-24	1	0.0*	2	0.0*	5	0.1*	2	0.0*	6	0.1*	5	0.1*	2	0.0*	0	-	6	0.1*
25-34	8	0.1*	7	0.1*	1	0.0*	9	0.2*	19	0.4	18	0.3*	15	0.3*	10	0.2*	19	0.3
35-44	13	0.3*	10	0.2*	15	0.3*	23	0.4	27	0.5	32	0.6	31	0.6	39	0.7	30	0.6
45-54	46	0.9	48	0.9	28	0.5	57	1.1	64	1.2	99	1.9	73	1.4	75	1.5	79	1.6
55-64	72	1.7	49	1.1	51	1.2	71	1.6	97	2.1	136	2.9	112	2.3	111	2.3	131	2.7
65+	110	2.5	134	2.9	103	2.1	191	3.8	253	4.8	312	5.8	304	5.4	216	3.7	276	4.6
UNKNOWN	0	-	0	-	0	-	1	-	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.

Legionellosis, Cases by Race/Ethnicity, California, 2011-2019

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
				YEAR OF ESTIMATED ILLNESS ONSET					
TOTAL	254	251	204	354	469	602	537	451	542
WHITE, NON-HISPANIC	125	125	98	173	208	292	251	202	214
HISPANIC	60	46	34	69	88	135	99	99	125
ASIAN/PACIFIC ISLANDER	12	13	9	31	26	30	35	20	42
BLACK, NON-HISPANIC	33	24	30	32	71	76	65	48	75
AMERICAN INDIAN/ALASKA NATIVE	1	0	0	0	2	4	4	0	1
MULTIPLE RACE	1	3	3	0	2	4	2	4	6
OTHER	4	5	4	2	8	7	13	22	11
UNKNOWN	18	35	26	47	64	54	68	56	68

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

Legionellosis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2011-2019
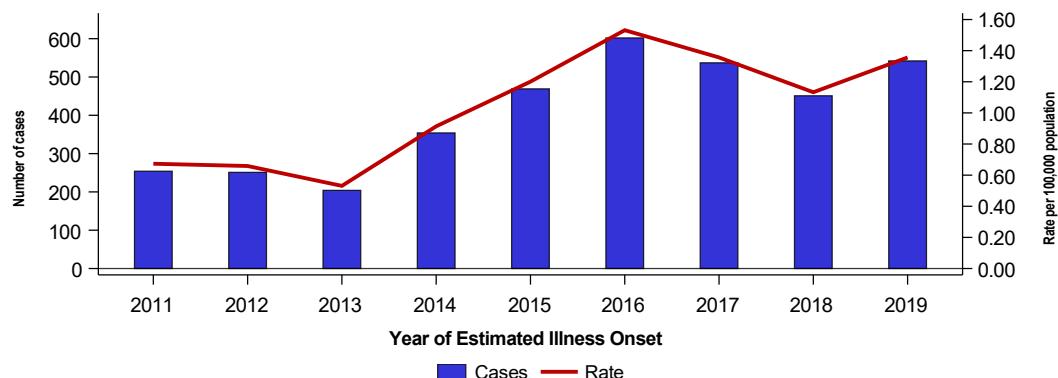
Legionellosis Average Incidence Rates by Age Group, California, 2011-2019
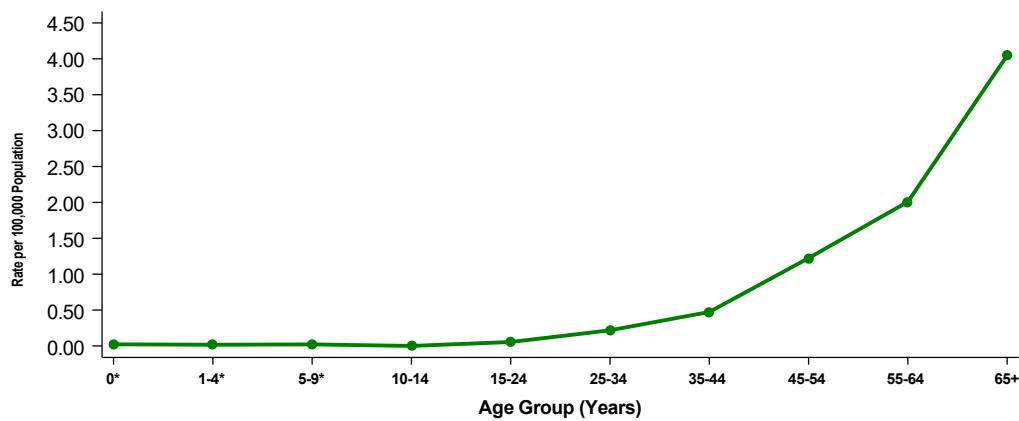
*Potentially unreliable rate: relative standard error 23 percent or more.

Legionellosis Cases and Population by Race/Ethnicity, California, 2011-2019
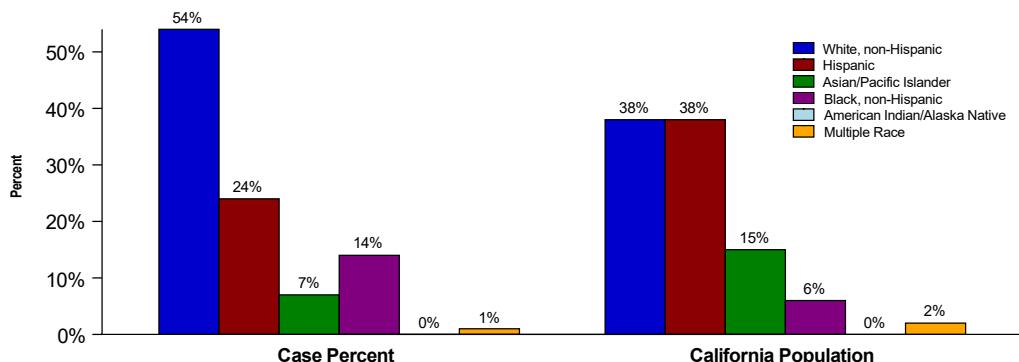
11.9% (n=436) of reported incidents of Legionellosis did not identify race/ethnicity and 2.1% (n=76) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Please refer to Pages 4-8 for Technical Notes. Data are as of May 1, 2020.

Center for Infectious Diseases - Division of Communicable Disease Control - Infectious Diseases Branch - Surveillance and Statistics Section, July 2020   78

Leprosy (Hansen's Disease)

Leprosy (Hansen's Disease), Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
CALIFORNIA TOTAL	11	0.0*	16	0.0*	13	0.0*	10	0.0*	12	0.0*	3	0.0*	5	0.0*	9	0.0*	5	0.0*
ALAMEDA COUNTY TOTAL	3	0.2*	1	0.1*	0	-	0	-	1	0.1*	0	-	0	-	1	0.1*	0	-
ALAMEDA	3	0.2*	1	0.1*	0	-	0	-	1	0.1*	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	1	0.1*	1	0.1*	1	0.1*	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	-	1	0.1*	0	-	0	-	0	-	2	0.2*	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.7*	0	-
IMPERIAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	1	0.1*	1	0.1*	0	-	1	0.1*	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	-	1	3.1*	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	3	0.0*	4	0.0*	1	0.0*	4	0.0*	2	0.0*	2	0.0*	1	0.0*	0	-	1	0.0*
LOS ANGELES	3	0.0*	3	0.0*	1	0.0*	4	0.0*	2	0.0*	2	0.0*	1	0.0*	0	-	1	0.0*
LONG BEACH	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PASADENA	0	-	1	0.7*	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	1	1.1*	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	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	0	-	4	0.1*	1	0.0*	1	0.0*	2	0.1*	0	-	0	-	1	0.0*	0	-
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	-	0	-	0	-	1	0.0*	0	-	1	0.0*	0	-
SACRAMENTO	0	-	2	0.1*	2	0.1*	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	-	2	0.1*	1	0.0*
SAN DIEGO	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-
SAN FRANCISCO	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-	1	0.1*	0	-
SAN JOAQUIN	0	-	1	0.1*	0	-	0	-	2	0.3*	0	-	0	-	0	-	0	-
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	-	0	-	0	-
SANTA BARBARA	0	-	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-	0	-
SANTA CLARA	3	0.2*	1	0.1*	4	0.2*	0	-	2	0.1*	0	-	1	0.1*	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	-	1	0.2*	0	-	0	-	0	-	0	-	1	0.2*
SONOMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
STANISLAUS	0	-	0	-	1	0.2*	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	-	1	0.2*	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	-	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.

Leprosy (Hansen's Disease)

Leprosy (Hansen's Disease), Cases by Month of Estimated Illness Onset, California, 2011-2019

				YEAR OF ESTIMATED ILLNESS ONSET					
MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	11	16	13	10	12	3	5	9	5
JANUARY	2	2	2	0	2	0	1	0	0
FEBRUARY	1	1	0	0	0	0	0	3	0
MARCH	1	3	1	2	0	0	0	2	1
APRIL	0	3	2	1	0	1	0	0	2
MAY	1	1	1	0	2	0	0	0	2
JUNE	0	1	2	1	1	1	0	0	0
JULY	1	0	1	1	3	0	1	1	0
AUGUST	0	1	0	0	1	0	1	1	0
SEPTEMBER	2	0	0	2	0	0	0	0	0
OCTOBER	2	2	3	0	1	0	1	1	0
NOVEMBER	0	0	1	1	0	0	1	1	0
DECEMBER	1	2	0	2	2	1	0	0	0

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

Leprosy (Hansen's Disease), Cases and Rates by Age Group, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET																	
	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	11	0.0*	16	0.0*	13	0.0*	10	0.0*	12	0.0*	3	0.0*	5	0.0*	9	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	-	1	0.0*	0	-	0	-	1	0.0*	0	-	0	-	0	-
10-14	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
15-24	0	-	1	0.0*	1	0.0*	0	-	1	0.0*	0	-	0	-	0	-	0	-
25-34	2	0.0*	3	0.1*	6	0.1*	0	-	3	0.1*	1	0.0*	1	0.0*	1	0.0*	0	-
35-44	5	0.1*	3	0.1*	2	0.0*	5	0.1*	4	0.1*	0	-	2	0.0*	2	0.0*	1	0.0*
45-54	2	0.0*	4	0.1*	0	-	0	-	2	0.0*	0	-	0	-	1	0.0*	0	-
55-64	0	-	0	-	3	0.1*	1	0.0*	2	0.0*	1	0.0*	0	-	1	0.0*	1	0.0*
65+	1	0.0*	4	0.1*	0	-	4	0.1*	0	-	0	-	2	0.0*	3	0.1*	3	0.0*
UNKNOWN	0	-	1	-	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.

Leprosy (Hansen's Disease), Cases by Race/Ethnicity, California, 2011-2019

				YEAR OF ESTIMATED ILLNESS ONSET					
RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	11	16	13	10	12	3	5	9	5
WHITE, NON-HISPANIC	0	1	2	1	1	0	0	0	1
HISPANIC	2	5	2	1	4	1	1	4	3
ASIAN/PACIFIC ISLANDER	5	9	9	5	4	2	3	2	0
BLACK, NON-HISPANIC	1	0	0	0	1	0	0	1	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	0	0	0
OTHER	1	0	0	1	0	0	1	0	0
UNKNOWN	2	1	0	2	2	0	0	2	1

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

Leprosy (Hansen's Disease) Cases by Year of Estimated Illness Onset, California, 2011-2019
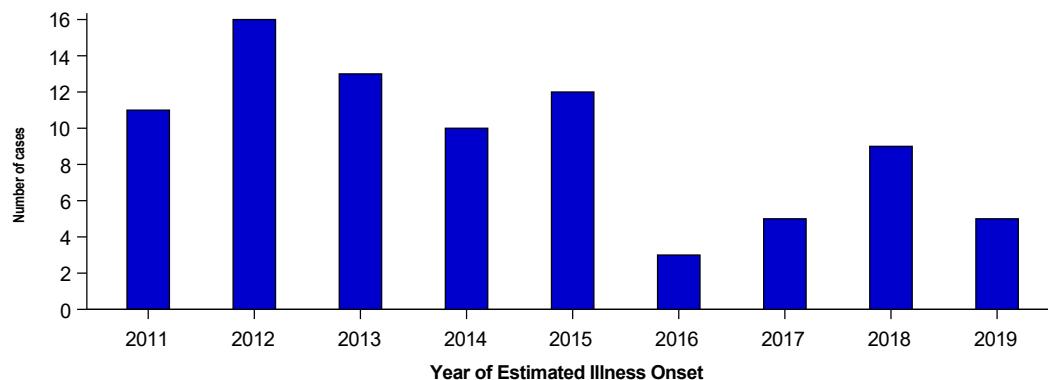

Leprosy (Hansen's Disease) Cases and Population by Race/Ethnicity, California, 2011-2019
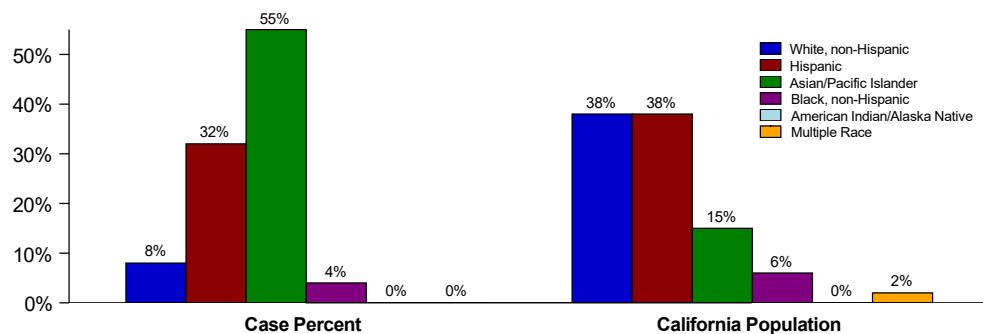
11.9% (n=10) of reported incidents of Leprosy (Hansen's Disease) did not identify race/ethnicity and 3.6% (n=3) of incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Leptospirosis

Leptospirosis, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
CALIFORNIA TOTAL	1	0.0*	1	0.0*	1	0.0*	5	0.0*	1	0.0*	6	0.0*	7	0.0*	8	0.0*	7	0.0*
ALAMEDA COUNTY TOTAL	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-
ALAMEDA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-
BERKELEY	0	-	1	0.9*	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	0	-	0	-	0	-	0	-	0	-	0	-	0	-	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	-	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	-	1	0.0*	1	0.0*	2	0.0*
LOS ANGELES	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	2	0.0*
LONG BEACH	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.7*	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	-	1	0.7*	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	1	0.0*
PLACER	0	-	0	-	0	-	0	-	0	-	1	0.3*	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-
SACRAMENTO	0	-	0	-	0	-	0	-	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	-	2	0.1*	0	-	1	0.0*	0	-	0	-	0	-
SAN DIEGO	1	0.0*	0	-	0	-	2	0.1*	0	-	0	-	1	0.0*	1	0.0*	0	-
SAN FRANCISCO	0	-	0	-	0	-	0	-	0	-	1	0.1*	1	0.1*	0	-	2	0.2*
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	-	1	0.1*	0	-
SANTA BARBARA	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-
SANTA CLARA	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-	2	0.1*	1	0.1*
SANTA CRUZ	0	-	0	-	0	-	0	-	0	-	1	0.4*	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	-	0	-	0	-	0	-
SONOMA	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*	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.

Leptospirosis

Leptospirosis, Cases by Month of Estimated Illness Onset, California, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
				YEAR OF ESTIMATED ILLNESS ONSET					
TOTAL	1	1	1	5	1	6	7	8	7
JANUARY	0	1	0	0	0	0	0	1	0
FEBRUARY	1	0	0	0	0	0	1	0	0
MARCH	0	0	0	0	0	1	1	1	0
APRIL	0	0	0	0	0	2	1	0	0
MAY	0	0	0	0	0	1	0	1	1
JUNE	0	0	0	0	0	0	1	1	0
JULY	0	0	0	1	1	0	0	1	3
AUGUST	0	0	0	1	0	0	1	3	2
SEPTEMBER	0	0	0	0	0	1	1	0	0
OCTOBER	0	0	0	1	0	0	0	0	0
NOVEMBER	0	0	1	1	0	0	1	0	1
DECEMBER	0	0	0	1	0	1	0	0	0

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

Leptospirosis, Cases and Rates by Age Group, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
							YEAR OF ESTIMATED ILLNESS ONSET											
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	1	0.0*	1	0.0*	1	0.0*	5	0.0*	1	0.0*	6	0.0*	7	0.0*	8	0.0*	7	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	1	0.0*	0	-	0	-	2	0.0*	1	0.0*	1	0.0*	0	-	3	0.1*	0	-
25-34	0	-	0	-	0	-	0	-	0	-	1	0.0*	2	0.0*	2	0.0*	0	-
35-44	0	-	1	0.0*	1	0.0*	1	0.0*	0	-	1	0.0*	1	0.0*	0	-	3	0.1*
45-54	0	-	0	-	0	-	1	0.0*	0	-	1	0.0*	0	-	2	0.0*	1	0.0*
55-64	0	-	0	-	0	-	1	0.0*	0	-	2	0.0*	2	0.0*	1	0.0*	2	0.0*
65+	0	-	0	-	0	-	0	-	0	-	0	-	2	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.

Leptospirosis, Cases by Race/Ethnicity, California, 2011-2019

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
				YEAR OF ESTIMATED ILLNESS ONSET					
TOTAL	1	1	1	5	1	6	7	8	7
WHITE, NON-HISPANIC	1	1	1	2	1	2	4	3	2
HISPANIC	0	0	0	0	0	0	1	0	0
ASIAN/PACIFIC ISLANDER	0	0	0	0	0	0	0	0	3
BLACK, NON-HISPANIC	0	0	0	1	0	0	0	0	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	1	0	0	0
OTHER	0	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	2	0	3	2	5	2

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

Leptospirosis Cases by Year of Estimated Illness Onset, California, 2011-2019
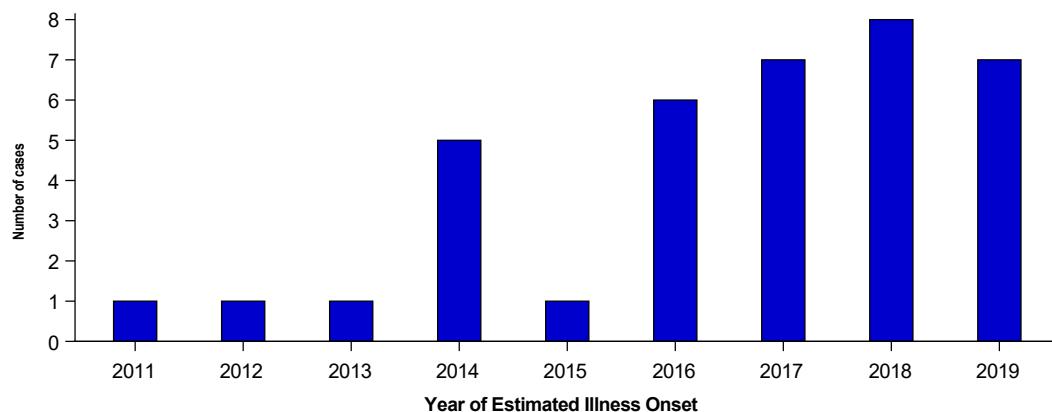
Please refer to Pages 4-8 for Technical Notes. Data are as of May 1, 2020.

Center for Infectious Diseases - Division of Communicable Disease Control - Infectious Diseases Branch - Surveillance and Statistics Section, July 2020   84

Listeriosis

Listeriosis, Cases and Rates by Health Jurisdiction, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	122	0.3	109	0.3	104	0.3	115	0.3	131	0.3	131	0.3	133	0.3	88	0.2	110	0.3
ALAMEDA COUNTY TOTAL	6	0.4*	6	0.4*	3	0.2*	1	0.1*	8	0.5*	6	0.4*	8	0.5*	5	0.3*	7	0.4*
ALAMEDA	6	0.4*	6	0.4*	3	0.2*	1	0.1*	8	0.5*	6	0.4*	8	0.5*	5	0.3*	7	0.5*
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	0.5*	0	-	1	0.4*	0	-	3	1.3*	0	-	1	0.4*	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*	1	0.1*	4	0.4*	0	-	2	0.2*	1	0.1*	5	0.4*	1	0.1*	2	0.2*
DEL NORTE	0	-	0	-	0	-	0	-	1	3.7*	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	1	0.5*	0	-	1	0.5*	2	1.1*	0	-	0	-
FRESNO	3	0.3*	1	0.1*	1	0.1*	1	0.1*	2	0.2*	1	0.1*	1	0.1*	1	0.1*	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	1	3.5*	1	3.5*	0	-	0	-
HUMBOLDT	1	0.7*	1	0.7*	1	0.7*	1	0.7*	0	-	0	-	0	-	0	-	0	-
IMPERIAL	0	-	2	1.1*	0	-	1	0.5*	1	0.5*	0	-	2	1.1*	1	0.5*	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	1	0.1*	2	0.2*	1	0.1*	0	-	2	0.2*	2	0.2*	3	0.3*	0	-
KINGS	1	0.7*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	2	1.3*
LAKE	0	-	0	-	1	1.5*	0	-	0	-	1	1.6*	0	-	0	-	0	-
LASSEN	0	-	0	-	2	6.2*	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	26	0.3	35	0.3	32	0.3	38	0.4	39	0.4	37	0.4	33	0.3	17	0.2*	27	0.3
LOS ANGELES	26	0.3	33	0.4	28	0.3	34	0.4	36	0.4	35	0.4	29	0.3	16	0.2*	25	0.3
LONG BEACH	0	-	1	0.2*	3	0.6*	4	0.8*	0	-	0	-	2	0.4*	1	0.2*	1	0.2*
PASADENA	0	-	1	0.7*	1	0.7*	0	-	3	2.1*	2	1.4*	2	1.4*	0	-	1	0.7*
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.6*
MARIN	0	-	1	0.4*	0	-	0	-	1	0.4*	1	0.4*	0	-	0	-	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	1	1.1*	0	-	1	1.1*	0	-	0	-	0	-	1	1.1*	1	1.1*
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	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	2	0.5*	2	0.5*	4	0.9*	2	0.5*	1	0.2*	2	0.5*	1	0.2*	2	0.5*	0	-
NAPA	1	0.7*	2	1.4*	1	0.7*	0	-	0	-	1	0.7*	1	0.7*	0	-	1	0.7*
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	11	0.4*	4	0.1*	6	0.2*	13	0.4*	12	0.4*	5	0.2*	16	0.5*	9	0.3*	7	0.2*
PLACER	0	-	0	-	1	0.3*	0	-	1	0.3*	1	0.3*	2	0.5*	1	0.3*	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	4	0.2*	3	0.1*	1	0.0*	1	0.0*	9	0.4*	7	0.3*	4	0.2*	4	0.2*	5	0.2*
SACRAMENTO	1	0.1*	4	0.3*	1	0.1*	3	0.2*	2	0.1*	6	0.4*	3	0.2*	1	0.1*	8	0.5*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	2	0.1*	0	-	4	0.2*	3	0.1*	3	0.1*	2	0.1*	3	0.1*	5	0.2*	12	0.5*
SAN DIEGO	19	0.6	12	0.4*	16	0.5*	13	0.4*	10	0.3*	18	0.5*	17	0.5*	15	0.4*	8	0.2*
SAN FRANCISCO	10	1.2*	11	1.3*	7	0.8*	7	0.8*	9	1.0*	3	0.3*	5	0.6*	2	0.2*	1	0.1*
SAN JOAQUIN	6	0.9*	0	-	1	0.1*	2	0.3*	0	-	0	-	2	0.3*	2	0.3*	2	0.3*
SAN LUIS OBISPO	2	0.7*	0	-	0	-	0	-	0	-	0	-	1	0.4*	0	-	0	-
SAN MATEO	2	0.3*	0	-	3	0.4*	5	0.7*	8	1.0*	6	0.8*	9	1.2*	3	0.4*	3	0.4*
SANTA BARBARA	3	0.7*	4	0.9*	0	-	1	0.2*	3	0.7*	2	0.4*	0	-	3	0.7*	4	0.9*
SANTA CLARA	13	0.7*	8	0.4*	4	0.2*	10	0.5*	7	0.4*	5	0.3*	11	0.6*	6	0.3*	8	0.4*
SANTA CRUZ	0	-	0	-	0	-	2	0.7*	2	0.7*	2	0.7*	0	-	0	-	0	-
SHASTA	0	-	0	-	0	-	0	-	1	0.6*	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	-	1	0.2*	1	0.2*	1	0.2*	1	0.2*	2	0.5*	0	-	1	0.2*	2	0.5*
SONOMA	1	0.2*	2	0.4*	2	0.4*	3	0.6*	1	0.2*	3	0.6*	1	0.2*	2	0.4*	1	0.2*
STANISLAUS	2	0.4*	1	0.2*	2	0.4*	0	-	1	0.2*	2	0.4*	0	-	0	-	3	0.5*
SUTTER	0	-	0	-	0	-	0	-	0	-	4	4.1*	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*	1	0.2*	1	0.2*	2	0.4*	3	0.6*	0	-	0	-	1	0.2*	3	0.6*
TUOLUMNE	0	-	0	-	0	-	0	-	1	1.9*	0	-	0	-	0	-	0	-
VENTURA	2	0.2*	4	0.5*	3	0.4*	1	0.1*	2	0.2*	2	0.2*	3	0.4*	0	-	2	0.2*
YOLO	0	-	0	-	0	-	0	-	0	-	2	0.9*	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, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	122	109	104	115	131	131	133	88	110
JANUARY	10	7	6	5	12	2	15	3	11
FEBRUARY	7	5	4	6	7	8	8	4	8
MARCH	4	5	6	12	9	12	11	7	5
APRIL	6	5	9	12	9	12	7	3	7
MAY	14	6	12	4	5	6	5	9	13
JUNE	6	14	11	5	19	11	13	9	16
JULY	17	15	10	17	13	13	19	12	12
AUGUST	16	10	9	14	14	16	16	15	11
SEPTEMBER	20	18	13	17	13	19	16	9	10
OCTOBER	8	13	10	8	13	13	8	5	2
NOVEMBER	7	2	7	8	10	10	6	6	10
DECEMBER	7	9	7	7	7	9	9	6	5

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 Age Group, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	122	0.3	109	0.3	104	0.3	115	0.3	131	0.3	131	0.3	133	0.3	88	0.2	110	0.3
0	6	1.2*	2	0.4*	2	0.4*	5	1.0*	4	0.8*	4	0.8*	4	0.8*	10	2.2*	5	1.1*
1-4	1	0.0*	0	-	0	-	1	0.1*	1	0.0*	0	-	2	0.1*	0	-	0	-
5-9	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
10-14	1	0.0*	2	0.1*	1	0.0*	1	0.0*	0	-	1	0.0*	1	0.0*	0	-	0	-
15-24	2	0.0*	6	0.1*	4	0.1*	5	0.1*	2	0.0*	5	0.1*	2	0.0*	2	0.0*	3	0.1*
25-34	12	0.2*	7	0.1*	9	0.2*	9	0.2*	8	0.1*	9	0.2*	10	0.2*	5	0.1*	8	0.1*
35-44	9	0.2*	5	0.1*	7	0.1*	8	0.2*	8	0.2*	7	0.1*	13	0.3*	6	0.1*	8	0.2*
45-54	13	0.2*	11	0.2*	11	0.2*	11	0.2*	8	0.2*	13	0.3*	15	0.3*	5	0.1*	11	0.2*
55-64	20	0.5	11	0.3*	17	0.4*	11	0.2*	19	0.4	15	0.3*	14	0.3*	17	0.4*	15	0.3*
65+	57	1.3	65	1.4	53	1.1	64	1.3	81	1.6	77	1.4	72	1.3	43	0.7	60	1.0
UNKNOWN	1	-	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, Cases by Race/Ethnicity, California, 2011-2019

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	122	109	104	115	131	131	133	88	110
WHITE, NON-HISPANIC	49	47	38	33	47	59	45	29	33
HISPANIC	27	29	23	36	38	32	35	30	37
ASIAN/PACIFIC ISLANDER	29	19	17	28	20	22	33	16	24
BLACK, NON-HISPANIC	7	3	6	4	4	6	6	2	6
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	1	0	0	0	0	0
MULTIPLE RACE	0	0	1	1	2	0	0	1	2
OTHER	1	1	2	2	5	4	4	5	4
UNKNOWN	9	10	17	10	15	8	10	5	4

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, 2011-2019
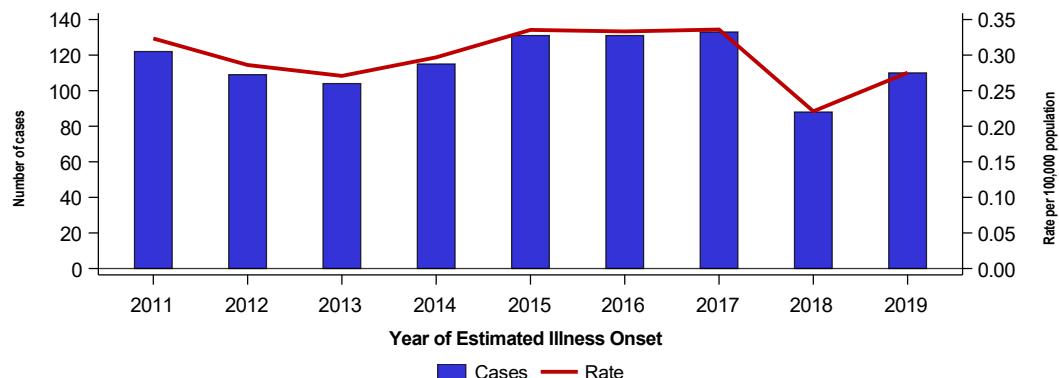
Listeriosis Average Incidence Rates by Age Group, California, 2011-2019
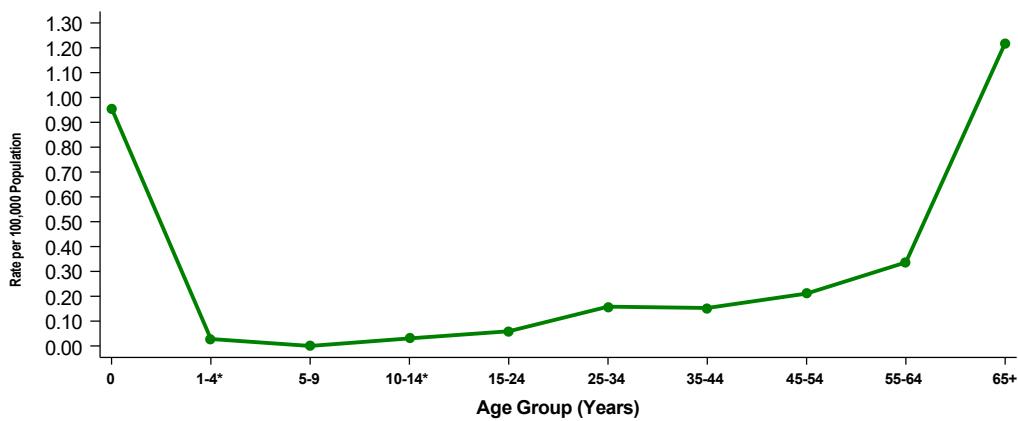
*Potentially unreliable rate: relative standard error 23 percent or more.

Listeriosis Cases and Population by Race/Ethnicity, California, 2011-2019
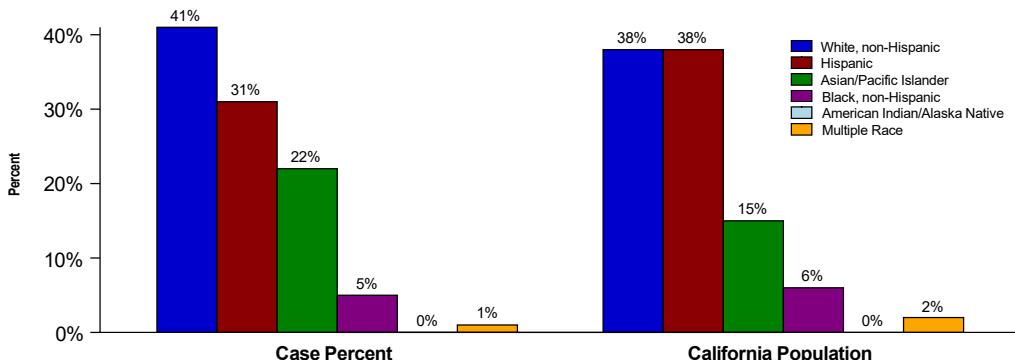
8.4% (n=88) of reported incidents of Listeriosis did not identify race/ethnicity and 2.7% (n=28) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Lyme Disease

Lyme Disease, Cases and Rates by Health Jurisdiction, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET																	
	2011		2012		2013		2014		2015		2016		2017		2018		2019	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	104	0.3	85	0.2	123	0.3	91	0.2	129	0.3	151	0.4	175	0.4	115	0.3	120	0.3
ALAMEDA COUNTY TOTAL	1	0.1*	4	0.3*	0	-	6	0.4*	11	0.7*	14	0.9*	14	0.8*	3	0.2*	10	0.6*
ALAMEDA	1	0.1*	4	0.3*	0	-	3	0.2*	9	0.6*	12	0.8*	13	0.9*	3	0.2*	5	0.3*
BERKELEY	0	-	0	-	0	-	3	2.5*	2	1.7*	2	1.7*	1	0.8*	0	-	5	4.1*
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	1	2.8*	0	-	2	5.5*	0	-	0	-	0	-	0	-
BUTTE	0	-	1	0.5*	0	-	2	0.9*	0	-	3	1.3*	0	-	0	-	1	0.5*
CALAVERAS	0	-	0	-	0	-	0	-	1	2.2*	0	-	1	2.2*	0	-	1	2.3*
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	3	0.3*	3	0.3*	4	0.4*	3	0.3*	8	0.7*	11	1.0*	11	1.0*	10	0.9*	4	0.3*
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	1	0.6*	1	0.6*	3	1.6*	1	0.5*	2	1.1*	4	2.2*	1	0.5*	0	-	0	-
FRESNO	1	0.1*	5	0.5*	2	0.2*	0	-	1	0.1*	1	0.1*	0	-	1	0.1*	1	0.1*
GLENN	0	-	0	-	0	-	1	3.5*	0	-	0	-	1	3.5*	1	3.5*	0	-
HUMBOLDT	6	4.4*	2	1.5*	4	3.0*	6	4.5*	9	6.7*	7	5.2*	3	2.2*	1	0.7*	2	1.5*
IMPERIAL	0	-	0	-	0	-	0	-	0	-	1	0.5*	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	-	1	0.7*	0	-	0	-	1	0.7*	1	0.7*	0	-	1	0.6*
LAKE	0	-	0	-	0	-	0	-	1	1.5*	1	1.6*	0	-	2	3.1*	2	3.1*
LASSEN	0	-	0	-	0	-	0	-	1	3.2*	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	9	0.1*	1	0.0*	22	0.2	7	0.1*	7	0.1*	2	0.0*	3	0.0*	5	0.0*	3	0.0*
LOS ANGELES	7	0.1*	1	0.0*	19	0.2	5	0.1*	4	0.0*	1	0.0*	0	-	4	0.0*	3	0.0*
LONG BEACH	2	0.4*	0	-	2	0.4*	2	0.4*	1	0.2*	1	0.2*	2	0.4*	0	-	0	-
PASADENA	0	-	0	-	1	0.7*	0	-	2	1.4*	0	-	1	0.7*	1	0.7*	0	-
MADERA	1	0.7*	0	-	0	-	0	-	0	-	1	0.6*	0	-	0	-	0	-
MARIN	1	0.4*	3	1.2*	9	3.5*	4	1.5*	6	2.3*	2	0.8*	0	-	2	0.8*	8	3.1*
MARIPOSA	0	-	1	5.5*	1	5.5*	1	5.5*	1	5.5*	0	-	0	-	0	-	0	-
MENDOCINO	3	3.4*	3	3.4*	2	2.3*	2	2.3*	0	-	1	1.1*	2	2.2*	1	1.1*	10	11.3*
MERCED	1	0.4*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	1	7.2*	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	1	0.2*	1	0.2*	1	0.2*	0	-	2	0.5*	2	0.5*	0	-	0	-	3	0.7*
NAPA	1	0.7*	2	1.4*	1	0.7*	3	2.1*	3	2.1*	1	0.7*	1	0.7*	2	1.4*	0	-
NEVADA	8	8.1*	4	4.1*	0	-	0	-	1	1.0*	2	2.0*	0	-	2	2.0*	2	2.0*
ORANGE	6	0.2*	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-
PLACER	1	0.3*	2	0.6*	1	0.3*	0	-	0	-	1	0.3*	3	0.8*	0	-	0	-
PLUMAS	0	-	0	-	0	-	1	5.3*	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	5	0.2*	1	0.0*	2	0.1*	3	0.1*	3	0.1*	4	0.2*	5	0.2*	5	0.2*	1	0.0*
SACRAMENTO	1	0.1*	1	0.1*	0	-	0	-	0	-	1	0.1*	1	0.1*	4	0.3*	2	0.1*
SAN BENITO	0	-	0	-	1	1.7*	0	-	1	1.7*	0	-	0	-	0	-	0	-
SAN BERNARDINO	2	0.1*	1	0.0*	1	0.0*	0	-	1	0.0*	2	0.1*	0	-	1	0.0*	5	0.2*
SAN DIEGO	10	0.3*	8	0.3*	6	0.2*	10	0.3*	11	0.3*	8	0.2*	18	0.5*	8	0.2*	0	-
SAN FRANCISCO	2	0.2*	3	0.4*	9	1.1*	0	-	0	-	2	0.2*	20	2.3	17	1.9*	13	1.5*
SAN JOAQUIN	0	-	1	0.1*	0	-	1	0.1*	0	-	1	0.1*	1	0.1*	1	0.1*	2	0.3*
SAN LUIS OBISPO	1	0.4*	2	0.7*	2	0.7*	3	1.1*	4	1.4*	3	1.1*	1	0.4*	2	0.7*	1	0.4*
SAN MATEO	2	0.3*	1	0.1*	6	0.8*	5	0.7*	6	0.8*	10	1.3*	4	0.5*	0	-	3	0.4*
SANTA BARBARA	3	0.7*	0	-	8	1.8*	1	0.2*	5	1.1*	7	1.6*	3	0.7*	5	1.1*	3	0.7*
SANTA CLARA	9	0.5*	4	0.2*	13	0.7*	5	0.3*	11	0.6*	16	0.8*	25	1.3	7	0.4*	6	0.3*
SANTA CRUZ	10	3.8*	7	2.6*	9	3.3*	7	2.6*	12	4.4*	5	1.8*	21	7.6	9	3.3*	13	4.7*
SHASTA	1	0.6*	1	0.6*	0	-	0	-	0	-	1	0.6*	1	0.6*	0	-	0	-
SIERRA	0	-	1	31.2*	0	-	0	-	0	-	0	-	0	-	1	31.9*	0	-
SISKIYOU	1	2.2*	1	2.2*	1	2.2*	0	-	2	4.5*	1	2.3*	0	-	1	2.3*	1	2.3*
SOLANO	0	-	0	-	0	-	1	0.2*	0	-	4	0.9*	2	0.5*	2	0.5*	1	0.2*
SONOMA	8	1.6*	13	2.6*	7	1.4*	12	2.4*	13	2.6*	15	3.0*	18	3.6*	11	2.2*	10	2.0*
STANISLAUS	0	-	1	0.2*	0	-	1	0.2*	0	-	1	0.2*	3	0.5*	5	0.9*	1	0.2*
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.0*	0	-
TEHAMA	0	-	0	-	0	-	1	1.6*	0	-	3	4.7*	0	-	0	-	0	-
TRINITY	2	14.6*	1	7.3*	1	7.3*	1	7.3*	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	1	0.2*	1	0.2*	0	-	1	0.2*	1	0.2*	2	0.4*	1	0.2*	2	0.4*
TUOLUMNE	0	-	0	-	0	-	0	-	1	1.9*	2	3.8*	0	-	0	-	2	3.8*
VENTURA	2	0.2*	2	0.2*	2	0.2*	0	-	0	-	6	0.7*	5	0.6*	3	0.4*	4	0.5*
YOLO	0	-	1	0.5*	1	0.5*	1	0.5*	1	0.5*	1	0.5*	3	1.4*	1	0.5*	1	0.4*
YUBA	1	1.4*	1	1.4*	0	-	2	2.7*	0	-	0	-	0	-	0	-	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.

Lyme Disease

Lyme Disease, Cases by Month of Estimated Illness Onset, California, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	104	85	123	91	129	151	175	115	120
JANUARY	5	7	3	3	10	6	10	5	5
FEBRUARY	1	3	3	4	3	4	6	5	5
MARCH	2	4	7	3	6	6	17	4	8
APRIL	5	3	5	6	9	10	10	10	8
MAY	4	6	8	8	16	11	21	8	9
JUNE	16	12	21	12	13	19	28	19	14
JULY	26	10	22	21	21	30	26	22	18
AUGUST	13	13	26	17	19	30	24	6	16
SEPTEMBER	14	7	15	5	10	10	8	15	15
OCTOBER	4	9	6	4	10	12	12	5	9
NOVEMBER	8	6	6	4	6	5	8	7	7
DECEMBER	6	5	1	4	6	8	5	9	6

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

Lyme Disease, Cases and Rates by Age Group, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

AGE GROUP	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
TOTAL	104	0.3	85	0.2	123	0.3	91	0.2	129	0.3	151	0.4	175	0.4	115	0.3	120	0.3
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	5	0.2*	3	0.1*	6	0.3*	2	0.1*	3	0.1*	4	0.2*	4	0.2*	2	0.1*	1	0.1*
5-9	10	0.4*	11	0.4*	10	0.4*	5	0.2*	17	0.7*	10	0.4*	5	0.2*	5	0.2*	8	0.3*
10-14	6	0.2*	10	0.4*	10	0.4*	5	0.2*	11	0.4*	14	0.6*	15	0.6*	7	0.3*	4	0.2*
15-24	8	0.1*	8	0.1*	14	0.2*	10	0.2*	10	0.2*	9	0.2*	17	0.3*	12	0.2*	18	0.3*
25-34	9	0.2*	14	0.3*	17	0.3*	15	0.3*	15	0.3*	27	0.5	26	0.5	14	0.3*	18	0.3*
35-44	17	0.3*	10	0.2*	15	0.3*	10	0.2*	16	0.3*	24	0.5	27	0.5	15	0.3*	12	0.2*
45-54	16	0.3*	6	0.1*	19	0.4	16	0.3*	21	0.4	17	0.3*	25	0.5	22	0.4	16	0.3*
55-64	22	0.5	11	0.3*	21	0.5	19	0.4	15	0.3*	19	0.4	30	0.6	24	0.5	18	0.4*
65+	8	0.2*	10	0.2*	10	0.2*	9	0.2*	21	0.4	26	0.5	26	0.5	14	0.2*	25	0.4
UNKNOWN	3	-	2	-	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.

Lyme Disease, Cases by Race/Ethnicity, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	104	85	123	91	129	151	175	115	120
WHITE, NON-HISPANIC	63	43	76	44	64	58	64	39	45
HISPANIC	4	3	7	5	4	8	7	2	3
ASIAN/PACIFIC ISLANDER	2	1	2	1	8	9	4	4	4
BLACK, NON-HISPANIC	0	0	0	0	1	1	1	3	1
AMERICAN INDIAN/ALASKA NATIVE	1	0	0	1	1	1	0	0	0
MULTIPLE RACE	1	0	2	0	0	0	1	2	0
OTHER	4	0	1	0	0	6	6	5	2
UNKNOWN	29	38	35	40	51	68	92	60	65

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

Lyme Disease Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2011-2019
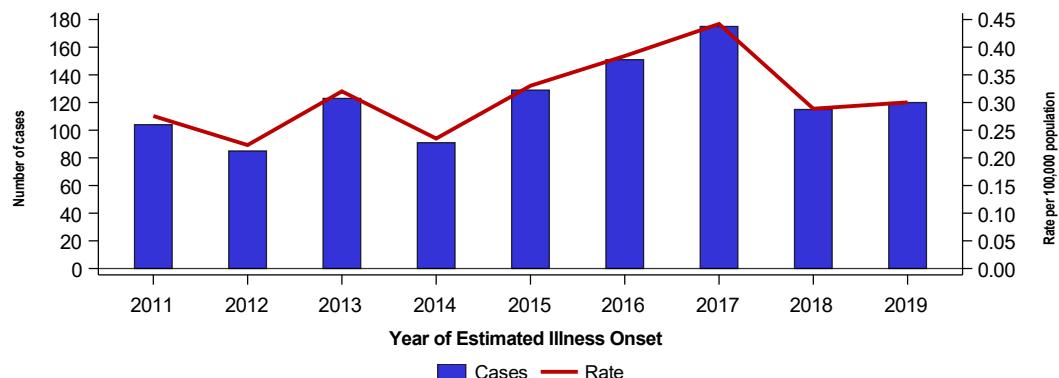
Lyme Disease Average Incidence Rates by Age Group, California, 2011-2019
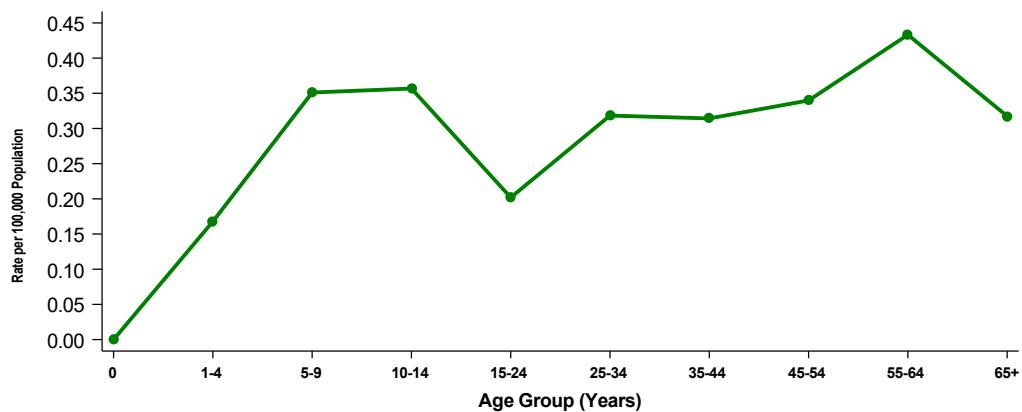
Lyme Disease Cases and Population by Race/Ethnicity, California, 2011-2019
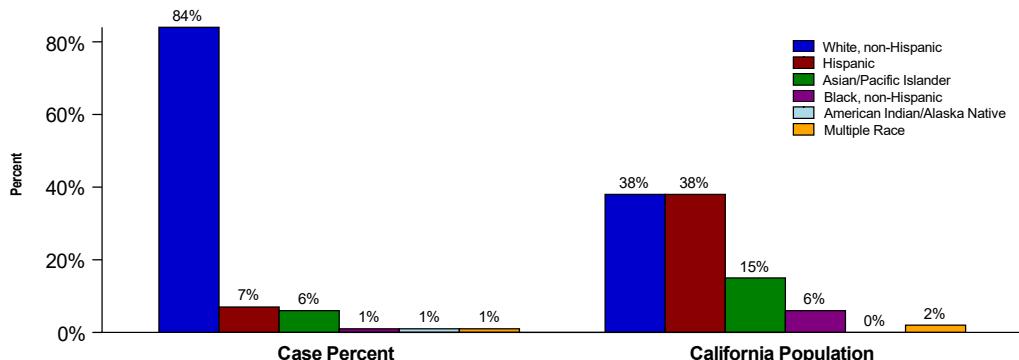
43.7% (n=478) of reported incidents of Lyme Disease did not identify race/ethnicity and 2.2% (n=24) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Malaria

Malaria, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
CALIFORNIA TOTAL	126	0.3	104	0.3	108	0.3	95	0.2	101	0.3	129	0.3	134	0.3	97	0.2	105	0.3
ALAMEDA COUNTY TOTAL	13	0.8*	16	1.0*	13	0.8*	9	0.6*	12	0.7*	18	1.1*	16	1.0*	13	0.8*	12	0.7*
ALAMEDA	12	0.9*	14	1.0*	12	0.8*	8	0.5*	11	0.7*	14	0.9*	16	1.0*	12	0.8*	12	0.8*
BERKELEY	1	0.9*	2	1.7*	1	0.9*	1	0.8*	1	0.8*	4	3.3*	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	1	0.5*	0	-	0	-	2	0.9*	0	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	1	2.2*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	5	0.5*	4	0.4*	5	0.5*	5	0.5*	5	0.4*	8	0.7*	3	0.3*	3	0.3*	8	0.7*
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*	4	0.4*	2	0.2*	1	0.1*	1	0.1*	0	-	1	0.1*	0	-	2	0.2*
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	2	1.5*	1	0.7*	1	0.7*	0	-	1	0.7*	1	0.7*	0	-
IMPERIAL	0	-	1	0.6*	0	-	1	0.5*	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	1	0.1*	2	0.2*	1	0.1*	2	0.2*	3	0.3*	0	-	1	0.1*	2	0.2*
KINGS	1	0.7*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.6*
LAKE	0	-	0	-	0	-	0	-	0	-	0	-	1	1.5*	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	22	0.2	21	0.2	20	0.2	23	0.2	23	0.2	29	0.3	35	0.3	25	0.2	18	0.2*
LOS ANGELES	21	0.2	19	0.2	16	0.2*	21	0.2	21	0.2	27	0.3	34	0.4	22	0.2	17	0.2*
LONG BEACH	0	-	1	0.2*	2	0.4*	2	0.4*	2	0.4*	0	-	1	0.2*	2	0.4*	0	-
PASADENA	1	0.7*	1	0.7*	2	1.4*	0	-	0	-	2	1.4*	0	-	1	0.7*	1	0.7*
MADERA	1	0.7*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIN	2	0.8*	2	0.8*	1	0.4*	1	0.4*	1	0.4*	0	-	0	-	0	-	1	0.4*
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	1	1.1*	0	-	0	-	1	1.1*	0	-	0	-	1	1.1*	0	-	0	-
MERCED	0	-	1	0.4*	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	3	0.7*	0	-	1	0.2*	1	0.2*	0	-	0	-	0	-	1	0.2*	2	0.4*
NAPA	1	0.7*	0	-	0	-	0	-	0	-	0	-	1	0.7*	0	-	0	-
NEVADA	0	-	1	1.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	7	0.2*	6	0.2*	7	0.2*	2	0.1*	9	0.3*	9	0.3*	4	0.1*	3	0.1*	6	0.2*
PLACER	3	0.8*	1	0.3*	1	0.3*	3	0.8*	0	-	1	0.3*	1	0.3*	1	0.3*	3	0.8*
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	7	0.3*	4	0.2*	5	0.2*	1	0.0*	5	0.2*	4	0.2*	10	0.4*	3	0.1*	3	0.1*
SACRAMENTO	5	0.3*	5	0.3*	2	0.1*	6	0.4*	6	0.4*	8	0.5*	12	0.8*	14	0.9*	11	0.7*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	8	0.4*	3	0.1*	5	0.2*	3	0.1*	3	0.1*	8	0.4*	5	0.2*	3	0.1*	5	0.2*
SAN DIEGO	13	0.4*	7	0.2*	9	0.3*	7	0.2*	8	0.2*	13	0.4*	7	0.2*	8	0.2*	6	0.2*
SAN FRANCISCO	6	0.7*	1	0.1*	4	0.5*	7	0.8*	5	0.6*	7	0.8*	6	0.7*	3	0.3*	3	0.3*
SAN JOAQUIN	2	0.3*	0	-	1	0.1*	2	0.3*	0	-	2	0.3*	5	0.7*	1	0.1*	1	0.1*
SAN LUIS OBISPO	1	0.4*	0	-	1	0.4*	2	0.7*	0	-	1	0.4*	0	-	1	0.4*	1	0.4*
SAN MATEO	0	-	0	-	1	0.1*	1	0.1*	6	0.8*	1	0.1*	3	0.4*	4	0.5*	1	0.1*
SANTA BARBARA	2	0.5*	1	0.2*	1	0.2*	1	0.2*	1	0.2*	3	0.7*	1	0.2*	1	0.2*	0	-
SANTA CLARA	15	0.8*	8	0.4*	13	0.7*	8	0.4*	9	0.5*	9	0.5*	12	0.6*	8	0.4*	14	0.7*
SANTA CRUZ	0	-	1	0.4*	0	-	0	-	1	0.4*	0	-	0	-	1	0.4*	1	0.4*
SHASTA	0	-	5	2.8*	2	1.1*	0	-	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	1	2.2*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SOLANO	0	-	0	-	1	0.2*	0	-	0	-	2	0.5*	0	-	0	-	1	0.2*
SONOMA	1	0.2*	0	-	2	0.4*	0	-	0	-	0	-	3	0.6*	0	-	0	-
STANISLAUS	2	0.4*	0	-	0	-	1	0.2*	0	-	1	0.2*	2	0.4*	0	-	1	0.2*
SUTTER	0	-	3	3.1*	3	3.1*	2	2.1*	1	1.0*	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	-	1	0.2*	0	-	0	-	0	-	0	-	0	-	0	-
TUOLUMNE	0	-	1	1.9*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	2	0.2*	3	0.4*	1	0.1*	1	0.1*	0	-	0	-	3	0.4*	0	-	2	0.2*
YOLO	1	0.5*	2	1.0*	2	1.0*	2	1.0*	2	0.9*	1	0.5*	1	0.5*	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.

Malaria

Malaria, Cases by Month of Estimated Illness Onset, California, 2011-2019

MONTH	YEAR OF ESTIMATED ILLNESS ONSET								
	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	126	104	108	95	101	129	134	97	105
JANUARY	8	14	4	6	9	6	9	10	9
FEBRUARY	10	3	3	5	7	7	6	4	2
MARCH	6	7	4	5	3	5	5	3	5
APRIL	10	10	6	4	7	11	9	10	6
MAY	10	10	18	7	6	11	11	7	9
JUNE	12	11	6	8	13	14	8	8	14
JULY	13	12	12	19	14	16	18	10	11
AUGUST	18	14	11	12	11	24	16	11	9
SEPTEMBER	10	4	12	5	10	15	21	12	18
OCTOBER	10	7	9	9	11	6	15	5	9
NOVEMBER	8	8	12	8	6	7	9	8	5
DECEMBER	11	4	11	7	4	7	7	9	8

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

Malaria, Cases and Rates by Age Group, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET																	
	\multicolumn{2}{c}{2011}	\multicolumn{2}{c}{2012}	\multicolumn{2}{c}{2013}	\multicolumn{2}{c}{2014}	\multicolumn{2}{c}{2015}	\multicolumn{2}{c}{2016}	\multicolumn{2}{c}{2017}	\multicolumn{2}{c}{2018}	\multicolumn{2}{c}{2019}
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	126	0.3	104	0.3	108	0.3	95	0.2	101	0.3	129	0.3	134	0.3	97	0.2	105	0.3
0	2	0.4*	0	-	0	-	1	0.2*	0	-	1	0.2*	1	0.2*	0	-	0	-
1-4	2	0.1*	3	0.1*	3	0.1*	2	0.1*	1	0.0*	3	0.2*	2	0.1*	5	0.3*	2	0.1*
5-9	4	0.2*	3	0.1*	4	0.2*	1	0.0*	5	0.2*	7	0.3*	4	0.2*	6	0.2*	8	0.3*
10-14	8	0.3*	3	0.1*	3	0.1*	3	0.1*	3	0.1*	5	0.2*	9	0.4*	2	0.1*	8	0.3*
15-24	28	0.5	20	0.3	14	0.2*	15	0.3*	15	0.3*	16	0.3*	22	0.4	14	0.2*	10	0.2*
25-34	24	0.4	21	0.4	30	0.6	23	0.4	24	0.4	31	0.6	29	0.5	20	0.4	14	0.3*
35-44	13	0.3*	15	0.3*	13	0.3*	14	0.3*	21	0.4	15	0.3*	20	0.4	14	0.3*	23	0.4
45-54	20	0.4	16	0.3*	14	0.3*	14	0.3*	11	0.2*	15	0.3*	15	0.3*	15	0.3*	12	0.2*
55-64	15	0.4*	14	0.3*	18	0.4*	15	0.3*	9	0.2*	20	0.4	20	0.4	16	0.3*	13	0.3*
65+	10	0.2*	7	0.2*	9	0.2*	6	0.1*	11	0.2*	16	0.3*	12	0.2*	5	0.1*	14	0.2*
UNKNOWN	0	-	2	-	0	-	1	-	1	-	0	-	0	-	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.

Malaria, Cases by Race/Ethnicity, California, 2011-2019

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET								
	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	126	104	108	95	101	129	134	97	105
WHITE, NON-HISPANIC	21	24	19	16	18	21	17	11	12
HISPANIC	5	5	6	4	5	8	5	2	3
ASIAN/PACIFIC ISLANDER	48	30	24	11	17	15	17	24	12
BLACK, NON-HISPANIC	36	32	37	37	39	62	68	36	47
AMERICAN INDIAN/ALASKA NATIVE	1	0	0	1	1	3	2	2	0
MULTIPLE RACE	0	0	0	1	0	2	1	1	1
OTHER	2	5	6	5	7	7	12	9	11
UNKNOWN	13	8	16	20	14	11	12	12	19

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

Malaria Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2011-2019
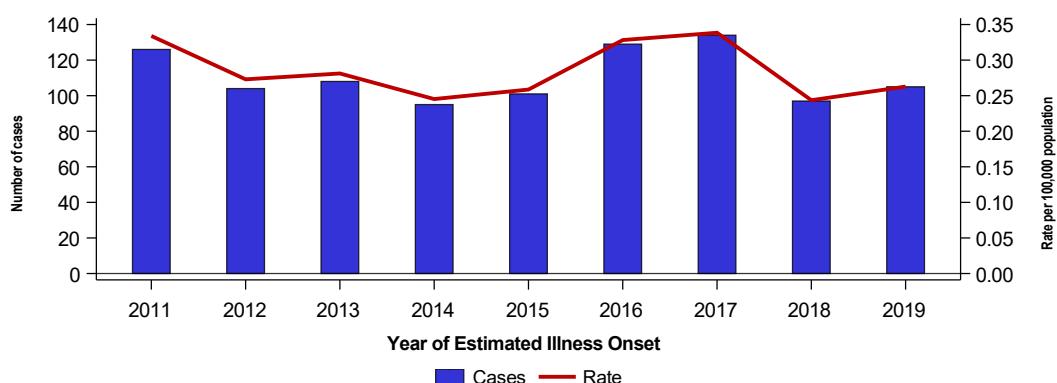
Malaria Average Incidence Rates by Age Group, California, 2011-2019
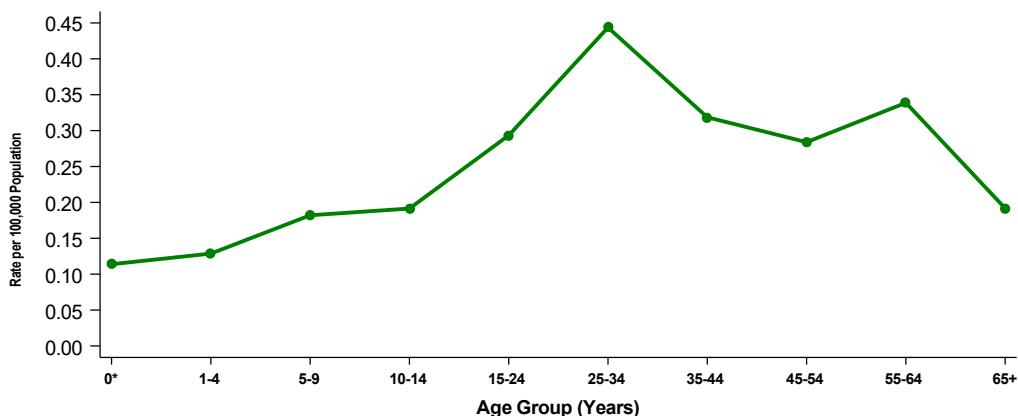
*Potentially unreliable rate: relative standard error 23 percent or more.

Malaria Cases and Population by Race/Ethnicity, California, 2011-2019
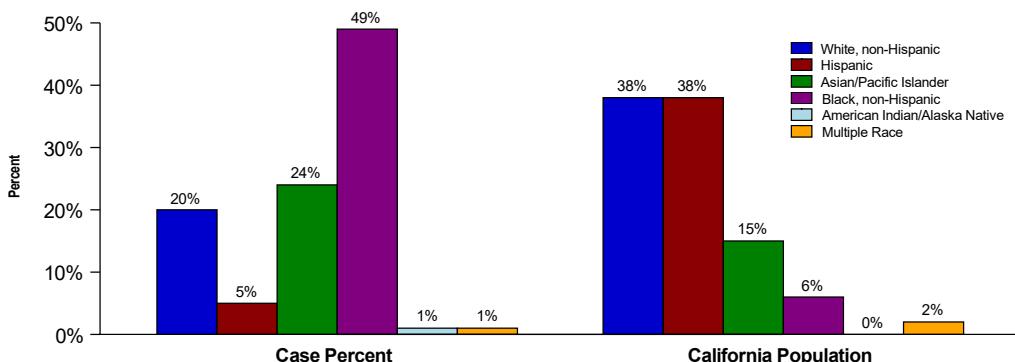
12.5% (n=125) of reported incidents of Malaria did not identify race/ethnicity and 6.4% (n=64) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Paralytic Shellfish Poisoning

Paralytic Shellfish Poisoning, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
CALIFORNIA TOTAL	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALAMEDA	0	-	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	-	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	1	0.4*	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	-	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.

Paralytic Shellfish Poisoning

Paralytic Shellfish Poisoning, Cases by Month of Estimated Illness Onset, California, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	1	0	0	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	1	0
APRIL	0	0	0	0	0	0	0	0	0
MAY	1	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 Age Group, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

AGE GROUP	2011 CASES	2011 RATE	2012 CASES	2012 RATE	2013 CASES	2013 RATE	2014 CASES	2014 RATE	2015 CASES	2015 RATE	2016 CASES	2016 RATE	2017 CASES	2017 RATE	2018 CASES	2018 RATE	2019 CASES	2019 RATE
TOTAL	1	0.0*	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	-	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	1	0.0*	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.

Paralytic Shellfish Poisoning, Cases by Race/Ethnicity, California, 2011-2019

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	1	0	0	0	0	0	0	1	0
WHITE, NON-HISPANIC	0	0	0	0	0	0	0	0	0
HISPANIC	0	0	0	0	0	0	0	0	0
ASIAN/PACIFIC ISLANDER	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	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	0
UNKNOWN	1	0	0	0	0	0	0	1	0

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

Paratyphoid Fever

Paratyphoid Fever, Cases and Rates by Health Jurisdiction, California, 2011-2019

JURISDICTION	2011 CASES	2011 RATE	2012 CASES	2012 RATE	2013 CASES	2013 RATE	2014 CASES	2014 RATE	2015 CASES	2015 RATE	2016 CASES	2016 RATE	2017 CASES	2017 RATE	2018 CASES	2018 RATE	2019 CASES	2019 RATE
CALIFORNIA TOTAL	24	0.1	26	0.1	30	0.1	23	0.1	10	0.0*	18	0.0*	10	0.0*	21	0.1	33	0.1
ALAMEDA COUNTY TOTAL	3	0.2*	6	0.4*	4	0.3*	3	0.2*	3	0.2*	5	0.3*	1	0.1*	1	0.1*	6	0.4*
ALAMEDA	3	0.2*	6	0.4*	4	0.3*	3	0.2*	3	0.2*	5	0.3*	1	0.1*	1	0.1*	6	0.4*
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	2	0.2*	3	0.3*	1	0.1*	0	-	2	0.2*	2	0.2*	2	0.2*	1	0.1*	2	0.2*
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	-	1	0.1*	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	7	0.1*	2	0.0*	3	0.0*	4	0.0*	0	-	4	0.0*	1	0.0*	5	0.0*	4	0.0*
LOS ANGELES	7	0.1*	2	0.0*	3	0.0*	3	0.0*	0	-	4	0.0*	1	0.0*	5	0.1*	4	0.0*
LONG BEACH	0	-	0	-	0	-	1	0.2*	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	-	2	0.1*	1	0.0*	0	-	0	-	1	0.0*	1	0.0*	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	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*
SACRAMENTO	1	0.1*	0	-	3	0.2*	1	0.1*	0	-	3	0.2*	0	-	1	0.1*	2	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	-	5	0.2*	4	0.1*	0	-	0	-	0	-	1	0.0*	2	0.1*
SAN FRANCISCO	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	3	0.3*	2	0.2*
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	2	0.3*	2	0.3*	1	0.1*	1	0.1*	0	-	1	0.1*	0	-	1	0.1*	2	0.3*
SANTA BARBARA	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-	0	-
SANTA CLARA	7	0.4*	11	0.6*	9	0.5*	7	0.4*	5	0.3*	2	0.1*	4	0.2*	7	0.4*	11	0.6*
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	-	0	-	0	-	0	-
SONOMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
STANISLAUS	0	-	0	-	1	0.2*	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	-	1	0.2*
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	1	0.1*	1	0.1*	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-
YOLO	1	0.5*	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, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET								
MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	24	26	30	23	10	18	10	21	33
JANUARY	0	5	5	5	0	2	2	0	0
FEBRUARY	0	1	4	1	2	1	0	6	3
MARCH	1	2	4	3	2	1	2	1	2
APRIL	3	6	1	2	0	0	0	0	3
MAY	0	0	1	3	0	2	1	0	1
JUNE	4	1	1	2	0	0	0	1	4
JULY	7	2	2	2	1	1	0	0	5
AUGUST	3	3	6	3	2	4	0	7	6
SEPTEMBER	3	3	0	1	0	4	1	2	2
OCTOBER	1	0	3	0	1	0	0	1	1
NOVEMBER	2	0	2	0	0	0	2	1	2
DECEMBER	0	3	1	1	2	3	2	2	4

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

Paratyphoid Fever, Cases and Rates by Age Group, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET																	
	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	24	0.1	26	0.1	30	0.1	23	0.1	10	0.0*	18	0.0*	10	0.0*	21	0.1	33	0.1
0	0	-	0	-	1	0.2*	0	-	1	0.2*	0	-	0	-	0	-	0	-
1-4	2	0.1*	6	0.3*	1	0.0*	3	0.2*	0	-	0	-	0	-	1	0.1*	2	0.1*
5-9	4	0.2*	2	0.1*	5	0.2*	2	0.1*	2	0.1*	3	0.1*	0	-	1	0.0*	2	0.1*
10-14	3	0.1*	1	0.0*	2	0.1*	4	0.2*	2	0.1*	1	0.0*	1	0.0*	1	0.0*	1	0.0*
15-24	4	0.1*	1	0.0*	4	0.1*	2	0.0*	1	0.0*	2	0.0*	4	0.1*	3	0.1*	6	0.1*
25-34	5	0.1*	8	0.1*	9	0.2*	2	0.0*	0	-	4	0.1*	3	0.1*	7	0.1*	11	0.2*
35-44	3	0.1*	5	0.1*	4	0.1*	3	0.1*	2	0.0*	4	0.1*	1	0.0*	4	0.1*	3	0.1*
45-54	3	0.1*	3	0.1*	3	0.1*	3	0.1*	0	-	4	0.1*	0	-	4	0.1*	3	0.1*
55-64	0	-	0	-	1	0.0*	3	0.1*	2	0.0*	0	-	0	-	0	-	4	0.1*
65+	0	-	0	-	0	-	1	0.0*	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.

Paratyphoid Fever, Cases by Race/Ethnicity, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET								
RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	24	26	30	23	10	18	10	21	33
WHITE, NON-HISPANIC	1	1	4	2	0	2	1	2	4
HISPANIC	0	0	1	0	0	1	2	1	1
ASIAN/PACIFIC ISLANDER	16	23	21	17	8	12	6	14	18
BLACK, NON-HISPANIC	0	0	0	1	0	0	0	0	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	1	0
MULTIPLE RACE	0	0	1	1	0	0	0	0	1
OTHER	1	0	1	1	1	1	0	2	7
UNKNOWN	6	2	2	1	1	2	1	1	2

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

Paratyphoid Fever Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2011-2019
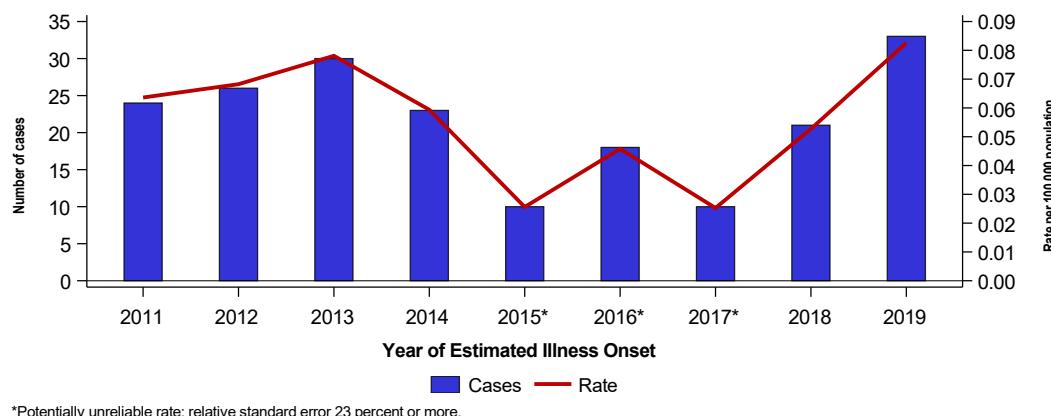
*Potentially unreliable rate: relative standard error 23 percent or more.

Paratyphoid Fever Cases and Population by Race/Ethnicity, California, 2011-2019
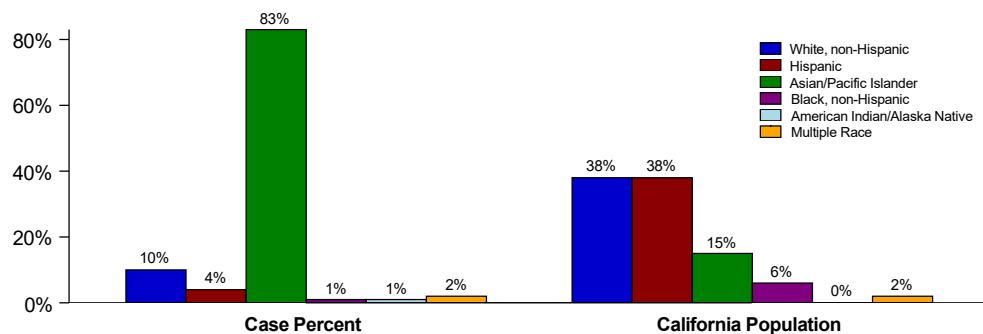
9.2% (n=18) of reported incidents of Paratyphoid Fever did not identify race/ethnicity and 7.2% (n=14) of incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Plague, human

Plague, human, Cases and Rates by Health Jurisdiction, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALAMEDA	0	-	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	-	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	-	1	0.0*	0	-	0	-	0	-	0	-
LOS ANGELES	0	-	0	-	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	-	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	-	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.

Plague, human

Plague, human, Cases by Month of Estimated Illness Onset, California, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
				YEAR OF ESTIMATED ILLNESS ONSET					
TOTAL	0	0	0	0	1	0	0	0	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	0	0	1	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.

Plague, human, Cases and Rates by Age Group, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	0	-	0	-	0	-	0	-	1	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	-
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	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	-	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, 2011-2019

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
				YEAR OF ESTIMATED ILLNESS ONSET					
TOTAL	0	0	0	0	1	0	0	0	0
WHITE, NON-HISPANIC	0	0	0	0	0	0	0	0	0
HISPANIC	0	0	0	0	1	0	0	0	0
ASIAN/PACIFIC ISLANDER	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	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	0	0	0
OTHER	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, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	0	-	1	0.0*	1	0.0*	0	-	0	-	4	0.0*	2	0.0*	1	0.0*	0	-
ALAMEDA COUNTY TOTAL	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-
ALAMEDA	0	-	0	-	1	0.1*	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	-	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	-	1	0.6*	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	-	4	0.1*	2	0.1*	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	-	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	-	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.

Psittacosis

Psittacosis, Cases by Month of Estimated Illness Onset, California, 2011-2019

				YEAR OF ESTIMATED ILLNESS ONSET					
MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	0	1	1	0	0	4	2	1	0
JANUARY	0	1	0	0	0	0	0	0	0
FEBRUARY	0	0	0	0	0	1	0	0	0
MARCH	0	0	0	0	0	0	1	1	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	1	0	0	0
JULY	0	0	0	0	0	0	0	0	0
AUGUST	0	0	1	0	0	1	0	0	0
SEPTEMBER	0	0	0	0	0	0	1	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.

Psittacosis, Cases and Rates by Age Group, California, 2011-2019

										YEAR OF ESTIMATED ILLNESS ONSET								
	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	0	-	1	0.0*	1	0.0*	0	-	0	-	4	0.0*	2	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	-	0	-	0	-	1	0.0*	0	-	0	-	0	-
25-34	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
35-44	0	-	0	-	0	-	0	-	0	-	1	0.0*	1	0.0*	1	0.0*	0	-
45-54	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
55-64	0	-	0	-	1	0.0*	0	-	0	-	1	0.0*	0	-	0	-	0	-
65+	0	-	0	-	0	-	0	-	0	-	1	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.

Psittacosis, Cases by Race/Ethnicity, California, 2011-2019

				YEAR OF ESTIMATED ILLNESS ONSET					
RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	0	1	1	0	0	4	2	1	0
WHITE, NON-HISPANIC	0	0	1	0	0	1	1	0	0
HISPANIC	0	0	0	0	0	1	0	0	0
ASIAN/PACIFIC ISLANDER	0	0	0	0	0	1	0	0	0
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	1	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	0
UNKNOWN	0	1	0	0	0	1	1	0	0

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

Psittacosis Cases by Year of Estimated Illness Onset, California, 2011-2019

Q Fever

Q Fever, Cases and Rates by Health Jurisdiction, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET																
	2011		**2012**		**2013**		**2014**		**2015**		**2016**		**2017**		**2018**		**2019**	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	21	0.1	21	0.1	19	0.0	37	0.1	43	0.1	33	0.1	40	0.1	58	0.1	46	0.1
ALAMEDA COUNTY TOTAL	0	-	0	-	1	0.1*	1	0.1*	0	-	0	-	1	0.1*	0	-	2	0.1*
ALAMEDA	0	-	0	-	1	0.1*	1	0.1*	0	-	0	-	1	0.1*	0	-	2	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	-	1	0.1*	0	-	0	-	1	0.1*	1	0.1*	1	0.1*	1	0.1*
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	2	1.1*	0	-	0	-	0	-	0	-
FRESNO	0	-	0	-	0	-	4	0.4*	3	0.3*	2	0.2*	4	0.4*	0	-	1	0.1*
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	3.4*
HUMBOLDT	0	-	0	-	0	-	1	0.7*	0	-	1	0.7*	0	-	0	-	0	-
IMPERIAL	0	-	0	-	0	-	1	0.5*	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	5.4*
KERN	0	-	0	-	1	0.1*	1	0.1*	2	0.2*	2	0.2*	0	-	2	0.2*	0	-
KINGS	0	-	1	0.7*	0	-	0	-	1	0.7*	1	0.7*	1	0.7*	1	0.7*	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*	2	0.0*	1	0.0*	1	0.0*	5	0.0*	3	0.0*	3	0.0*	6	0.1*	6	0.1*
LOS ANGELES	0	-	2	0.0*	1	0.0*	1	0.0*	4	0.0*	3	0.0*	3	0.0*	6	0.1*	6	0.1*
LONG BEACH	1	0.2*	0	-	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MADERA	0	-	1	0.7*	0	-	2	1.3*	1	0.6*	0	-	1	0.6*	2	1.3*	0	-
MARIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*
MARIPOSA	0	-	0	-	0	-	0	-	0	-	1	5.5*	0	-	0	-	0	-
MENDOCINO	0	-	1	1.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MERCED	3	1.2*	3	1.1*	2	0.8*	0	-	0	-	0	-	0	-	2	0.7*	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*	1	0.2*	1	0.2*	0	-	0	-	0	-	2	0.5*	1	0.2*
NAPA	0	-	0	-	0	-	0	-	1	0.7*	1	0.7*	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.0*
ORANGE	1	0.0*	3	0.1*	1	0.0*	3	0.1*	1	0.0*	1	0.0*	0	-	2	0.1*	1	0.0*
PLACER	1	0.3*	0	-	0	-	1	0.3*	0	-	0	-	1	0.3*	1	0.3*	1	0.3*
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	4	0.2*	1	0.0*	2	0.1*	10	0.4*	3	0.1*	11	0.5*	20	0.8	10	0.4*
SACRAMENTO	3	0.2*	0	-	0	-	0	-	4	0.3*	2	0.1*	2	0.1*	1	0.1*	3	0.2*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	1	1.7*	0	-	0	-
SAN BERNARDINO	2	0.1*	1	0.0*	0	-	2	0.1*	0	-	2	0.1*	3	0.1*	2	0.1*	6	0.3*
SAN DIEGO	2	0.1*	0	-	2	0.1*	1	0.0*	0	-	1	0.0*	2	0.1*	1	0.0*	2	0.1*
SAN FRANCISCO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*
SAN JOAQUIN	0	-	0	-	0	-	4	0.6*	2	0.3*	0	-	1	0.1*	2	0.3*	1	0.1*
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	0	-	0	-	0	-	0	-	0	-	1	0.1*	1	0.1*	0	-	0	-
SANTA BARBARA	0	-	0	-	0	-	1	0.2*	0	-	0	-	1	0.2*	2	0.4*	0	-
SANTA CLARA	0	-	0	-	0	-	0	-	0	-	3	0.2*	2	0.1*	4	0.2*	1	0.1*
SANTA CRUZ	0	-	1	0.4*	0	-	0	-	1	0.4*	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	-	1	2.3*	0	-
SOLANO	1	0.2*	1	0.2*	1	0.2*	2	0.5*	1	0.2*	0	-	1	0.2*	3	0.7*	3	0.7*
SONOMA	0	-	0	-	1	0.2*	0	-	3	0.6*	1	0.2*	0	-	1	0.2*	1	0.2*
STANISLAUS	2	0.4*	2	0.4*	3	0.6*	5	0.9*	4	0.7*	3	0.6*	1	0.2*	1	0.2*	1	0.2*
SUTTER	0	-	0	-	0	-	1	1.0*	0	-	0	-	0	-	0	-	0	-
TEHAMA	1	1.6*	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	-	1	0.2*	0	-	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	0	-	0	-	0	-	1	0.1*	2	0.2*	1	0.1*	2	0.2*	1	0.1*	0	-
YOLO	1	0.5*	0	-	2	1.0*	2	1.0*	0	-	1	0.5*	0	-	0	-	0	-
YUBA	0	-	0	-	1	1.4*	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, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	21	21	19	37	43	33	40	58	46
JANUARY	1	3	1	4	5	2	2	4	4
FEBRUARY	1	4	1	3	1	2	5	3	4
MARCH	1	2	0	2	2	1	3	10	3
APRIL	3	2	2	6	6	5	7	11	6
MAY	1	3	2	9	8	9	4	5	8
JUNE	1	3	2	4	7	6	3	4	5
JULY	4	2	2	1	2	3	5	6	5
AUGUST	1	1	6	3	4	0	3	7	3
SEPTEMBER	1	1	2	1	1	1	3	4	2
OCTOBER	3	0	1	1	5	2	0	2	1
NOVEMBER	1	0	0	1	0	0	3	2	3
DECEMBER	3	0	0	2	2	2	2	0	2

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

Q Fever, Cases and Rates by Age Group, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	21	0.1	21	0.1	19	0.0	37	0.1	43	0.1	33	0.1	40	0.1	58	0.1	46	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	-	1	0.0*	0	-	0	-	0	-	1	0.0*	1	0.0*
15-24	1	0.0*	0	-	0	-	1	0.0*	2	0.0*	1	0.0*	1	0.0*	0	-	0	-
25-34	1	0.0*	2	0.0*	1	0.0*	2	0.0*	4	0.1*	0	-	2	0.0*	4	0.1*	5	0.1*
35-44	5	0.1*	5	0.1*	6	0.1*	2	0.0*	4	0.1*	6	0.1*	6	0.1*	10	0.2*	3	0.1*
45-54	5	0.1*	6	0.1*	3	0.1*	12	0.2*	9	0.2*	11	0.2*	10	0.2*	12	0.2*	10	0.2*
55-64	7	0.2*	5	0.1*	5	0.1*	15	0.3*	14	0.3*	5	0.1*	10	0.2*	18	0.4*	15	0.3*
65+	2	0.0*	3	0.1*	4	0.1*	4	0.1*	10	0.2*	10	0.2*	11	0.2*	13	0.2*	12	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, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	21	21	19	37	43	33	40	58	46
WHITE, NON-HISPANIC	8	6	5	14	16	12	12	12	14
HISPANIC	9	7	6	10	13	7	15	28	19
ASIAN/PACIFIC ISLANDER	0	1	5	5	2	1	2	3	1
BLACK, NON-HISPANIC	0	1	1	1	0	2	1	1	2
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	1	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	1	1	1
OTHER	0	1	0	1	0	2	2	5	1
UNKNOWN	4	5	2	5	12	9	7	8	8

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

Q Fever Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2011-2019
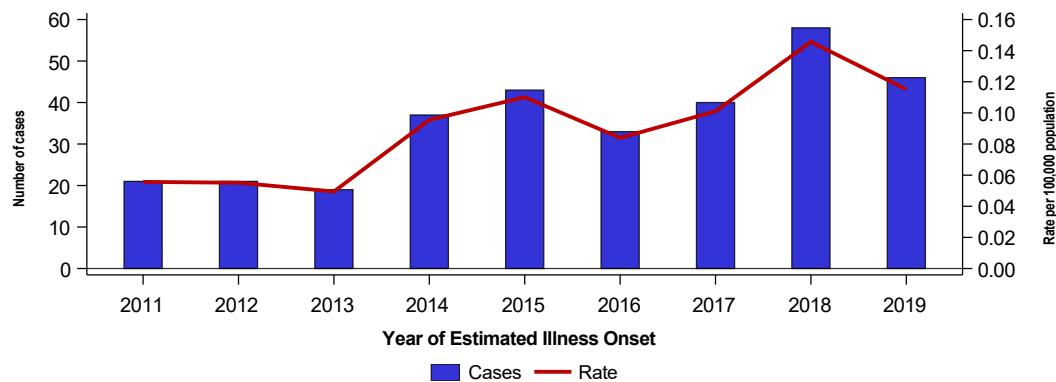
Q Fever Cases and Population by Race/Ethnicity, California, 2011-2019
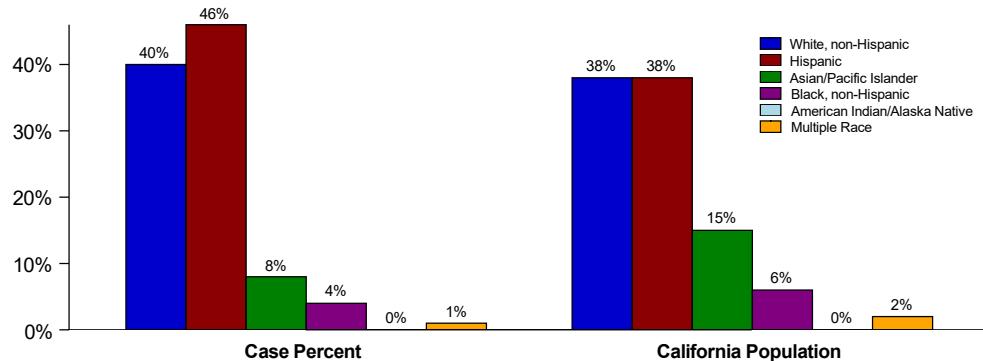
18.9% (n=60) of reported incidents of Q Fever did not identify race/ethnicity and 3.8% (n=12) of incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Rabies, animal

Rabies, animal, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	223	N/A	251	N/A	199	N/A	200	N/A	230	N/A	226	N/A	231	N/A	226	N/A	268	N/A
ALAMEDA COUNTY TOTAL	6	N/A	4	N/A	5	N/A	2	N/A	13	N/A	2	N/A	2	N/A	2	N/A	7	N/A
ALAMEDA	6	N/A	4	N/A	5	N/A	2	N/A	13	N/A	2	N/A	2	N/A	2	N/A	7	N/A
BERKELEY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	1	N/A	0	-	4	N/A	3	N/A	11	N/A	11	N/A	7	N/A	4	N/A
BUTTE	10	N/A	8	N/A	5	N/A	6	N/A	12	N/A	6	N/A	4	N/A	8	N/A	5	N/A
CALAVERAS	1	N/A	1	N/A	0	-	0	-	5	N/A	4	N/A	3	N/A	2	N/A	1	N/A
COLUSA	0	-	1	N/A	1	N/A	2	N/A	2	N/A	1	N/A	0	-	0	-	0	-
CONTRA COSTA	1	N/A	6	N/A	6	N/A	5	N/A	7	N/A	7	N/A	8	N/A	5	N/A	8	N/A
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	6	N/A	9	N/A	4	N/A	16	N/A	12	N/A	14	N/A	12	N/A	7	N/A	3	N/A
FRESNO	7	N/A	3	N/A	3	N/A	2	N/A	1	N/A	4	N/A	0	-	2	N/A	5	N/A
GLENN	1	N/A	1	N/A	2	N/A	2	N/A	2	N/A	2	N/A	4	N/A	2	N/A	2	N/A
HUMBOLDT	3	N/A	1	N/A	0	-	0	-	1	N/A	8	N/A	1	N/A	2	N/A	4	N/A
IMPERIAL	1	N/A	0	-	1	N/A	0	-	1	N/A	1	N/A	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	1	N/A	0	-	0	-	3	N/A
KERN	6	N/A	11	N/A	6	N/A	3	N/A	0	-	1	N/A	5	N/A	1	N/A	0	-
KINGS	0	-	1	N/A	0	-	0	-	0	-	0	-	1	N/A	3	N/A	1	N/A
LAKE	1	N/A	1	N/A	0	-	0	-	0	-	0	-	2	N/A	1	N/A	0	-
LASSEN	1	N/A	0	-	0	-	0	-	0	-	0	-	1	N/A	0	-	0	-
LOS ANGELES COUNTY TOTAL	38	N/A	56	N/A	35	N/A	42	N/A	34	N/A	38	N/A	33	N/A	27	N/A	51	N/A
LOS ANGELES	38	N/A	56	N/A	35	N/A	42	N/A	34	N/A	38	N/A	33	N/A	27	N/A	50	N/A
LONG BEACH	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	N/A
MADERA	2	N/A	2	N/A	1	N/A	0	-	0	-	0	-	0	-	4	N/A	1	N/A
MARIN	5	N/A	4	N/A	7	N/A	13	N/A	3	N/A	15	N/A	16	N/A	13	N/A	16	N/A
MARIPOSA	1	N/A	2	N/A	2	N/A	5	N/A	0	-	5	N/A	1	N/A	0	-	2	N/A
MENDOCINO	0	-	1	N/A	0	-	0	-	2	N/A	2	N/A	0	-	0	-	0	-
MERCED	0	-	2	N/A	0	-	0	-	2	N/A	0	-	0	-	0	-	0	-
MODOC	1	N/A	0	-	0	-	0	-	0	-	0	-	0	-	1	N/A	0	-
MONO	0	-	0	-	0	-	0	-	0	-	1	N/A	1	N/A	0	-	0	-
MONTEREY	2	N/A	7	N/A	1	N/A	2	N/A	4	N/A	4	N/A	0	-	2	N/A	0	-
NAPA	0	-	0	-	0	-	0	-	1	N/A	1	N/A	2	N/A	0	-	0	-
NEVADA	0	-	2	N/A	2	N/A	0	-	0	-	0	-	0	-	1	N/A	0	-
ORANGE	11	N/A	14	N/A	13	N/A	7	N/A	11	N/A	12	N/A	13	N/A	11	N/A	15	N/A
PLACER	5	N/A	6	N/A	5	N/A	3	N/A	7	N/A	2	N/A	5	N/A	1	N/A	2	N/A
PLUMAS	0	-	0	-	0	-	0	-	0	-	1	N/A	0	-	0	-	0	-
RIVERSIDE	10	N/A	16	N/A	13	N/A	6	N/A	16	N/A	7	N/A	14	N/A	7	N/A	13	N/A
SACRAMENTO	6	N/A	6	N/A	6	N/A	4	N/A	12	N/A	7	N/A	11	N/A	21	N/A	14	N/A
SAN BENITO	4	N/A	1	N/A	0	-	2	N/A	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	12	N/A	10	N/A	15	N/A	11	N/A	8	N/A	9	N/A	11	N/A	4	N/A	7	N/A
SAN DIEGO	11	N/A	13	N/A	10	N/A	7	N/A	6	N/A	7	N/A	16	N/A	7	N/A	7	N/A
SAN FRANCISCO	2	N/A	7	N/A	2	N/A	6	N/A	3	N/A	2	N/A	4	N/A	2	N/A	3	N/A
SAN JOAQUIN	4	N/A	0	-	0	-	1	N/A	3	N/A	1	N/A	3	N/A	5	N/A	6	N/A
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	1	N/A	2	N/A	3	N/A	2	N/A	1	N/A
SAN MATEO	0	-	3	N/A	3	N/A	2	N/A	3	N/A	0	-	3	N/A	5	N/A	3	N/A
SANTA BARBARA	3	N/A	2	N/A	0	-	0	-	1	N/A	1	N/A	0	-	1	N/A	3	N/A
SANTA CLARA	2	N/A	3	N/A	7	N/A	8	N/A	10	N/A	3	N/A	5	N/A	10	N/A	9	N/A
SANTA CRUZ	1	N/A	1	N/A	0	-	1	N/A	1	N/A	0	-	0	-	0	-	0	-
SHASTA	4	N/A	0	-	1	N/A	0	-	1	N/A	0	-	0	-	1	N/A	1	N/A
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	3	N/A	1	N/A	0	-	0	-	0	-	1	N/A	0	-	0	-	0	-
SOLANO	2	N/A	6	N/A	1	N/A	2	N/A	4	N/A	4	N/A	1	N/A	4	N/A	4	N/A
SONOMA	3	N/A	5	N/A	7	N/A	8	N/A	5	N/A	5	N/A	3	N/A	5	N/A	5	N/A
STANISLAUS	1	N/A	0	-	2	N/A	1	N/A	3	N/A	0	-	0	-	0	-	0	-
SUTTER	0	-	1	N/A	0	-	1	N/A	3	N/A	3	N/A	6	N/A	12	N/A	0	-
TEHAMA	0	-	0	-	0	-	0	-	1	N/A	1	N/A	0	-	0	-	2	N/A
TRINITY	0	-	3	N/A	1	N/A	1	N/A	0	-	1	N/A	1	N/A	1	N/A	0	-
TULARE	8	N/A	2	N/A	3	N/A	0	-	6	N/A	6	N/A	1	N/A	3	N/A	8	N/A
TUOLUMNE	1	N/A	2	N/A	1	N/A	0	-	0	-	0	-	1	N/A	10	N/A	21	N/A
VENTURA	22	N/A	15	N/A	6	N/A	4	N/A	7	N/A	6	N/A	7	N/A	11	N/A	9	N/A
YOLO	10	N/A	6	N/A	17	N/A	14	N/A	7	N/A	13	N/A	13	N/A	11	N/A	15	N/A
YUBA	5	N/A	4	N/A	5	N/A	7	N/A	6	N/A	4	N/A	3	N/A	2	N/A	7	N/A

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

Rabies, animal

Rabies, animal, Cases by Month of Estimated Illness Onset, California, 2011-2019

MONTH	YEAR OF ESTIMATED ILLNESS ONSET								
	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	223	251	199	200	230	226	231	226	268
JANUARY	2	3	3	5	5	4	2	5	7
FEBRUARY	4	10	4	7	12	11	8	13	7
MARCH	4	11	12	16	33	10	22	5	18
APRIL	13	19	18	14	22	21	16	13	22
MAY	17	31	26	15	20	11	22	18	30
JUNE	26	28	10	24	19	18	24	26	25
JULY	29	36	36	14	23	23	32	22	22
AUGUST	36	46	38	34	26	37	36	30	37
SEPTEMBER	44	36	18	24	24	35	24	27	38
OCTOBER	30	16	18	25	30	25	28	44	40
NOVEMBER	13	10	13	20	10	20	11	19	12
DECEMBER	5	5	3	2	6	11	6	4	10

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

Rabies, animal Cases by Year of Estimated Illness Onset, California, 2011-2019

Rabies, human

Rabies, human, Cases and Rates by Health Jurisdiction, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET																	
	2011		2012		2013		2014		2015		2016		2017		2018		2019	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	1	0.0*	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ALAMEDA	0	-	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	-	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	-	1	0.1*	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	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	-	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	-	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.

Rabies, human

Rabies, human, Cases by Month of Estimated Illness Onset, California, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	1	1	0	0	0	0	0	0	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	1	0	0	0	0	0	0	0	0
MAY	0	0	0	0	0	0	0	0	0
JUNE	0	1	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.

Rabies, human, Cases and Rates by Age Group, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET																	
	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	1	0.0*	1	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	-
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	-	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	-	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.

Rabies, human, Cases by Race/Ethnicity, California, 2011-2019

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	1	1	0	0	0	0	0	0	0
WHITE, NON-HISPANIC	0	1	0	0	0	0	0	0	0
HISPANIC	0	0	0	0	0	0	0	0	0
ASIAN/PACIFIC ISLANDER	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	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	1	0	0	0	0	0	0	0	0
OTHER	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.

Relapsing Fever

Relapsing Fever, Cases and Rates by Health Jurisdiction, California, 2011-2019

JURISDICTION	2011 CASES	2011 RATE	2012 CASES	2012 RATE	2013 CASES	2013 RATE	2014 CASES	2014 RATE	2015 CASES	2015 RATE	2016 CASES	2016 RATE	2017 CASES	2017 RATE	2018 CASES	2018 RATE	2019 CASES	2019 RATE
CALIFORNIA TOTAL	3	0.0*	4	0.0*	4	0.0*	10	0.0*	8	0.0*	11	0.0*	4	0.0*	11	0.0*	7	0.0*
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	1	0.1*	1	0.1*
ALAMEDA	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	1	0.1*	0	-
BERKELEY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	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	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CALAVERAS	2	4.4*	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	-	1	0.5*	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	-	1	5.4*	1	5.4*	0	-	0	-	1	5.4*	1	5.4*	0	-	0	-
KERN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KINGS	0	-	0	-	0	-	1	0.7*	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*	0	-	0	-	0	-	0	-	0	-
LOS ANGELES	1	0.0*	0	-	0	-	1	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	-	1	0.4*	1	0.4*
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	-	2	14.1*	1	7.2*	3	21.4*	1	7.2*	1	7.2*	0	-	2	14.5*	3	21.6*
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	0	-	0	-	0	-	3	0.1*	0	-	0	-	0	-	1	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	-	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	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-
SAN FRANCISCO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*
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	-	1	0.1*	0	-	0	-	1	0.1*	0	-	0	-
SANTA BARBARA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CLARA	0	-	0	-	0	-	0	-	2	0.1*	2	0.1*	1	0.1*	0	-	1	0.1*
SANTA CRUZ	0	-	1	0.4*	0	-	0	-	0	-	1	0.4*	0	-	2	0.7*	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	-	2	0.4*	0	-	0	-	0	-	1	0.2*	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	-	4	0.9*	4	0.9*	0	-	1	0.2*	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	2	0.2*	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.

Relapsing Fever

Relapsing Fever, Cases by Month of Estimated Illness Onset, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET								
MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	3	4	4	10	8	11	4	11	7
JANUARY	0	0	0	2	0	0	0	1	2
FEBRUARY	0	0	0	0	0	0	1	0	0
MARCH	0	1	1	0	0	0	0	1	0
APRIL	0	0	0	0	0	0	0	0	2
MAY	0	0	0	0	0	0	0	0	0
JUNE	0	1	1	1	0	0	0	1	0
JULY	1	0	1	4	4	5	2	5	3
AUGUST	0	1	1	3	3	6	1	0	0
SEPTEMBER	2	1	0	0	1	0	0	2	0
OCTOBER	0	0	0	0	0	0	0	1	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 Age Group, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET																	
	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	3	0.0*	4	0.0*	4	0.0*	10	0.0*	8	0.0*	11	0.0*	4	0.0*	11	0.0*	7	0.0*
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	1	0.0*	0	-	1	0.0*	1	0.1*	0	-	0	-	0	-	1	0.1*	0	-
5-9	0	-	0	-	0	-	2	0.1*	0	-	0	-	0	-	1	0.0*	1	0.0*
10-14	1	0.0*	1	0.0*	0	-	1	0.0*	0	-	1	0.0*	0	-	1	0.0*	1	0.0*
15-24	0	-	1	0.0*	0	-	0	-	4	0.1*	1	0.0*	0	-	0	-	0	-
25-34	1	0.0*	1	0.0*	1	0.0*	1	0.0*	2	0.0*	4	0.1*	0	-	3	0.1*	2	0.0*
35-44	0	-	1	0.0*	0	-	2	0.0*	0	-	1	0.0*	0	-	1	0.0*	2	0.0*
45-54	0	-	0	-	1	0.0*	2	0.0*	1	0.0*	1	0.0*	0	-	2	0.0*	1	0.0*
55-64	0	-	0	-	1	0.0*	1	0.0*	1	0.0*	2	0.0*	3	0.1*	2	0.0*	0	-
65+	0	-	0	-	0	-	0	-	0	-	1	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.

Relapsing Fever, Cases by Race/Ethnicity, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET								
RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	3	4	4	10	8	11	4	11	7
WHITE, NON-HISPANIC	2	4	3	6	4	10	3	8	4
HISPANIC	0	0	0	1	0	0	0	0	1
ASIAN/PACIFIC ISLANDER	0	0	0	0	2	0	0	0	0
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	0	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	1	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	0
UNKNOWN	1	0	1	3	1	1	1	3	2

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

Relapsing Fever Cases by Year of Estimated Illness Onset, California, 2011-2019

Salmonellosis

Salmonellosis, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
CALIFORNIA TOTAL	4,004	10.6	4,641	12.2	5,014	13.1	5,352	13.8	5,602	14.3	4,760	12.1	5,416	13.7	6,303	15.8	5,672	14.2
ALAMEDA COUNTY TOTAL	235	15.3	217	13.9	240	15.2	272	17.0	305	18.8	182	11.1	265	16.0	294	17.7	283	16.9
ALAMEDA	225	15.9	201	14.1	223	15.3	253	17.2	283	18.9	167	11.0	242	15.9	276	18.0	268	17.4
BERKELEY	10	8.7*	16	13.8*	17	14.6*	19	16.1	22	18.5	15	12.5*	23	19.0	18	14.8*	15	12.3*
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	7	18.9*	3	8.2*	2	5.5*	7	19.2*	6	16.5*	4	10.9*	3	8.0*	6	15.7*	5	13.1*
BUTTE	34	15.4	23	10.4	27	12.1	48	21.5	39	17.4	50	22.2	40	17.7	36	15.8	30	13.8
CALAVERAS	13	28.6*	5	11.0*	6	13.3*	11	24.4*	2	4.5*	1	2.2*	7	15.7*	5	11.2*	9	20.3*
COLUSA	4	18.7*	0	-	4	18.5*	1	4.6*	3	13.8*	4	18.1*	2	9.0*	1	4.5*	3	13.3*
CONTRA COSTA	123	11.5	123	11.4	137	12.6	159	14.4	175	15.7	114	10.1	175	15.4	189	16.5	189	16.4
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	1	3.7*	0	-	0	-
EL DORADO	19	10.5	16	8.8*	33	18.1	25	13.7	32	17.5	28	15.2	41	22.0	38	20.1	39	20.4
FRESNO	136	14.4	148	15.5	196	20.4	157	16.2	183	18.7	133	13.5	133	13.3	160	15.8	158	15.5
GLENN	1	3.5*	9	32.0*	6	21.3*	4	14.1*	0	-	4	14.1*	1	3.5*	0	-	2	6.9*
HUMBOLDT	8	5.9*	16	11.9*	12	8.9*	12	8.9*	14	10.4*	12	8.8*	9	6.6*	13	9.6*	12	8.9*
IMPERIAL	40	22.5	27	15.0	42	23.3	27	14.8	55	29.7	43	23.1	43	22.9	69	36.5	80	42.1
INYO	0	-	2	10.8*	3	16.1*	3	16.1*	4	21.5*	1	5.4*	6	32.3*	1	5.4*	1	5.4*
KERN	65	7.6	57	6.6	68	7.8	89	10.2	125	14.2	81	9.1	64	7.1	120	13.2	118	12.9
KINGS	10	6.6*	13	8.6*	14	9.3*	15	10.0*	15	10.0*	10	6.7*	48	31.8	22	14.3	14	9.1*
LAKE	3	4.6*	4	6.2*	14	21.6*	9	13.8*	9	13.9*	4	6.2*	6	9.3*	10	15.4*	6	9.2*
LASSEN	0	-	2	6.1*	0	-	3	9.4*	0	-	1	3.3*	5	16.4*	1	3.3*	2	6.7*
LOS ANGELES COUNTY TOTAL	936	9.4	1,124	11.2	1,078	10.7	1,228	12.1	1,205	11.8	1,092	10.7	1,154	11.3	1,522	14.8	1,309	12.8
LOS ANGELES	896	9.7	1,048	11.2	1,009	10.7	1,144	12.1	1,136	11.9	1,023	10.7	1,092	11.4	1,424	14.8	1,239	13.0
LONG BEACH	30	6.5	59	12.6	50	10.6	61	12.9	46	9.7	50	10.5	46	9.7	71	15.0	51	10.8
PASADENA	10	7.2*	17	12.2*	19	13.5	23	16.3	23	16.3	19	13.4	16	11.1*	27	18.7	19	13.1
MADERA	28	18.5	22	14.6	23	15.1	23	14.9	22	14.2	21	13.5	38	24.2	17	10.7*	27	17.0
MARIN	34	13.3	28	10.9	37	14.3	62	23.7	61	23.3	53	20.2	38	14.5	45	17.2	53	20.3
MARIPOSA	0	-	3	16.5*	0	-	2	11.0*	6	33.2*	4	22.1*	1	5.6*	6	33.5*	0	-
MENDOCINO	8	9.2*	7	7.9*	13	14.8*	6	6.8*	12	13.6*	9	10.1*	8	9.0*	14	15.8*	15	16.9*
MERCED	35	13.5	52	19.8	33	12.5	22	8.2	39	14.5	17	6.3*	19	6.9	32	11.5	37	13.1
MODOC	0	-	0	-	2	20.8*	1	10.4*	0	-	0	-	0	-	1	10.5*	0	-
MONO	0	-	0	-	2	14.3*	0	-	2	14.4*	0	-	1	7.2*	0	-	2	14.4*
MONTEREY	51	12.1	78	18.3	48	11.2	57	13.2	64	14.7	29	6.6	39	8.8	44	9.9	43	9.6
NAPA	12	8.7*	27	19.4	23	16.5	28	19.9	28	19.8	23	16.3	23	16.3	20	14.2	23	16.4
NEVADA	9	9.1*	12	12.2*	11	11.2*	11	11.2*	10	10.2*	12	12.2*	12	12.2*	15	15.2*	9	9.1*
ORANGE	305	10.0	447	14.5	393	12.6	414	13.2	493	15.6	351	11.0	371	11.6	433	13.5	433	13.4
PLACER	50	14.0	44	12.2	58	15.9	51	13.8	70	18.8	66	17.5	100	26.1	90	23.1	79	20.0
PLUMAS	3	15.1*	2	10.3*	0	-	5	26.6*	3	16.1*	2	10.7*	1	5.3*	1	5.3*	1	5.3*
RIVERSIDE	145	6.5	206	9.1	220	9.7	228	9.9	211	9.0	231	9.8	254	10.6	290	12.0	259	10.6
SACRAMENTO	112	7.8	126	8.7	147	10.1	162	11.0	196	13.2	139	9.2	289	19.0	225	14.6	200	12.9
SAN BENITO	19	33.9	9	15.9*	12	20.9*	9	15.5*	8	13.6*	6	10.1*	2	3.3*	10	16.3*	15	23.9*
SAN BERNARDINO	187	9.0	247	11.9	234	11.2	233	11.0	263	12.4	234	10.9	231	10.7	309	14.2	254	11.6
SAN DIEGO	365	11.6	390	12.3	466	14.5	534	16.4	576	17.6	541	16.4	569	17.1	783	23.4	657	19.6
SAN FRANCISCO	124	15.1	121	14.5	180	21.3	174	20.4	158	18.3	107	12.3	162	18.4	131	14.8	182	20.5
SAN JOAQUIN	82	11.8	103	14.7	107	15.1	113	15.7	111	15.2	114	15.4	111	14.8	142	18.7	142	18.4
SAN LUIS OBISPO	20	7.4	42	15.4	42	15.3	39	14.1	50	18.1	41	14.7	28	10.1	21	7.5	28	10.0
SAN MATEO	94	12.9	138	18.6	166	22.1	146	19.3	139	18.2	125	16.3	146	18.9	145	18.7	122	15.7
SANTA BARBARA	51	12.0	52	12.1	52	11.9	69	15.7	85	19.1	79	17.7	74	16.4	82	18.1	77	16.9
SANTA CLARA	277	15.3	267	14.5	346	18.5	358	18.9	289	15.1	276	14.3	337	17.3	345	17.6	301	15.3
SANTA CRUZ	36	13.5	28	10.4	33	12.2	54	19.8	33	12.0	35	12.7	32	11.6	31	11.3	36	13.1
SHASTA	12	6.8*	16	9.0*	25	14.0	31	17.3	26	14.6	26	14.6	35	19.6	31	17.4	25	14.0
SIERRA	0	-	0	-	1	31.3*	0	-	1	31.7*	0	-	2	63.5*	1	31.9*	0	-
SISKIYOU	3	6.7*	5	11.1*	12	26.8*	4	8.9*	4	9.0*	7	15.8*	3	6.8*	2	4.5*	4	9.1*
SOLANO	46	11.1	44	10.5	56	13.3	55	12.9	71	16.5	63	14.5	56	12.8	82	18.6	77	17.4
SONOMA	59	12.1	64	13.0	65	13.1	60	12.0	58	11.6	59	11.7	80	15.9	83	16.6	61	12.2
STANISLAUS	58	11.2	68	13.0	71	13.4	85	16.0	70	13.0	83	15.3	77	14.0	109	19.7	44	7.9
SUTTER	12	12.7*	12	12.6*	21	21.7	10	10.4*	10	10.3*	8	8.2*	11	11.1*	24	23.7	15	14.5*
TEHAMA	15	23.7*	12	19.0*	10	15.9*	8	12.7*	14	22.0*	14	21.9*	14	21.8*	10	15.5*	11	16.8*
TRINITY	0	-	0	-	1	7.3*	2	14.7*	0	-	2	14.8*	2	14.9*	1	7.5*	0	-
TULARE	52	11.6	47	10.4	57	12.5	60	13.0	87	18.7	70	15.0	72	15.2	79	16.6	18	3.8*
TUOLUMNE	3	5.5*	7	13.0*	8	14.7*	3	5.6*	3	5.6*	4	7.5*	7	13.2*	4	7.6*	4	7.6*
VENTURA	37	4.4	94	11.2	100	11.9	114	13.4	109	12.8	106	12.4	114	13.3	115	13.4	123	14.4
YOLO	16	7.9*	21	10.2	32	15.3	42	20.0	41	19.2	32	14.7	32	14.6	27	12.2	28	12.6
YUBA	10	13.7*	11	15.0*	25	34.1	7	9.5*	7	9.4*	7	9.3*	22	28.7	16	20.7*	7	8.9*

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, 2011-2019

MONTH	YEAR OF ESTIMATED ILLNESS ONSET
	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	4,004	4,641	5,014	5,352	5,602	4,760	5,416	6,303	5,672
JANUARY	255	234	266	271	307	299	291	337	301
FEBRUARY	192	194	249	278	314	250	281	267	268
MARCH	239	221	325	354	386	295	319	336	303
APRIL	303	292	368	400	348	320	416	418	439
MAY	403	423	506	511	424	339	417	405	421
JUNE	402	384	517	506	475	474	513	592	582
JULY	509	642	636	610	579	605	643	712	734
AUGUST	497	631	517	649	809	574	736	857	668
SEPTEMBER	377	463	637	541	722	461	577	857	664
OCTOBER	343	471	413	559	512	459	481	671	495
NOVEMBER	266	397	325	364	427	410	445	531	469
DECEMBER	218	289	255	309	299	274	297	320	328

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

Salmonellosis, Cases and Rates by Age Group, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET
	\multicolumn{2}{c}{2011}	\multicolumn{2}{c}{2012}	\multicolumn{2}{c}{2013}	\multicolumn{2}{c}{2014}	\multicolumn{2}{c}{2015}	\multicolumn{2}{c}{2016}	\multicolumn{2}{c}{2017}	\multicolumn{2}{c}{2018}	\multicolumn{2}{c}{2019}
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	4,004	10.6	4,641	12.2	5,014	13.1	5,352	13.8	5,602	14.3	4,760	12.1	5,416	13.7	6,303	15.8	5,672	14.2
0	231	45.3	293	59.0	304	60.9	331	66.3	309	61.7	287	58.7	282	58.5	374	81.0	313	69.2
1-4	617	30.5	682	33.8	687	34.3	724	36.2	624	31.1	544	27.4	591	29.9	693	35.4	618	32.2
5-9	407	16.2	437	17.1	528	20.5	508	19.7	511	19.8	366	14.1	380	14.8	409	16.0	365	14.3
10-14	231	9.0	257	10.1	286	11.3	314	12.4	295	11.7	230	9.1	256	10.0	299	11.5	273	10.5
15-24	471	8.3	560	9.7	570	9.8	603	10.3	661	11.2	538	9.1	651	11.0	645	11.0	665	11.4
25-34	452	8.4	486	9.0	589	10.9	628	11.6	736	13.6	601	11.1	637	11.8	831	15.3	726	13.4
35-44	365	7.1	419	8.1	450	8.8	470	9.2	509	10.0	463	9.0	581	11.2	660	12.6	609	11.6
45-54	369	7.0	459	8.8	458	8.8	506	9.7	606	11.7	466	9.0	565	11.0	657	13.0	564	11.3
55-64	345	8.2	427	9.9	479	10.8	486	10.8	563	12.2	530	11.3	633	13.2	704	14.5	654	13.4
65+	508	11.5	607	13.1	645	13.4	766	15.3	778	14.9	728	13.5	832	14.9	1,020	17.6	872	14.5
UNKNOWN	8	-	14	-	18	-	16	-	10	-	7	-	8	-	11	-	13	-

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, 2011-2019

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET
	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	4,004	4,641	5,014	5,352	5,602	4,760	5,416	6,303	5,672
WHITE, NON-HISPANIC	1,265	1,408	1,585	1,804	2,062	1,797	1,984	2,105	1,794
HISPANIC	1,422	1,645	1,687	1,785	1,940	1,653	1,717	2,146	2,006
ASIAN/PACIFIC ISLANDER	392	477	659	627	521	478	594	615	618
BLACK, NON-HISPANIC	134	171	184	169	202	150	167	211	169
AMERICAN INDIAN/ALASKA NATIVE	6	13	9	11	18	12	13	15	14
MULTIPLE RACE	24	22	44	45	48	39	49	43	49
OTHER	49	40	35	53	89	127	245	250	291
UNKNOWN	712	865	811	858	722	504	647	918	731

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

Salmonellosis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2011-2019
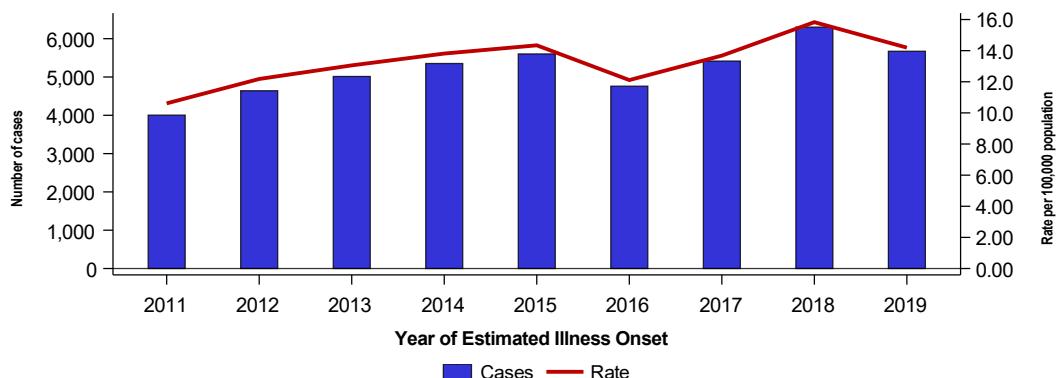
Salmonellosis Incidence Rates by Age Group and Year of Estimated Illness Onset, California, 2011-2019
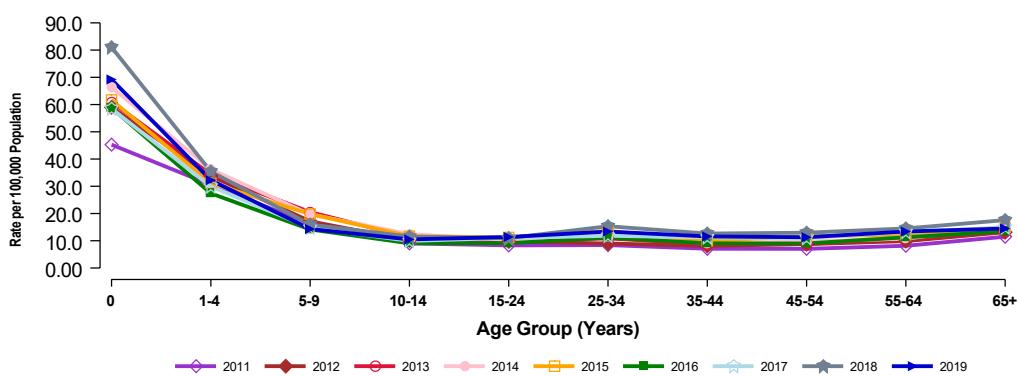
Salmonellosis Cases and Population by Race/Ethnicity, California, 2011-2019
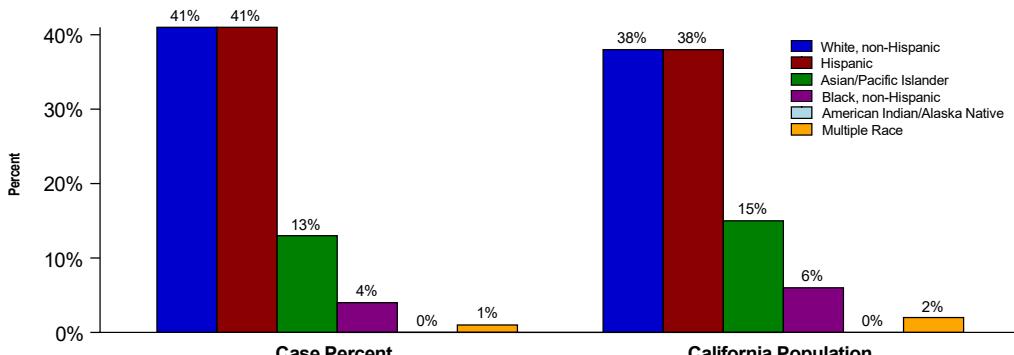
14.5% (n=6768) of reported incidents of Salmonellosis did not identify race/ethnicity and 2.5% (n=1179) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Scombroid Fish Poisoning

Scombroid Fish Poisoning, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	2011 RATE	2012 CASES	2012 RATE	2013 CASES	2013 RATE	2014 CASES	2014 RATE	2015 CASES	2015 RATE	2016 CASES	2016 RATE	2017 CASES	2017 RATE	2018 CASES	2018 RATE	2019 CASES	2019 RATE
CALIFORNIA TOTAL	19	0.1	13	0.0*	17	0.0*	22	0.1	21	0.1	16	0.0*	18	0.0*	39	0.1	32	0.1
ALAMEDA COUNTY TOTAL	2	0.1*	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-
ALAMEDA	2	0.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	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	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	2	4.5*
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	0	-	0	-	0	-	0	-	2	0.2*	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	-	1	0.1*
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	2	0.0*	4	0.0*	0	-	1	0.0*	5	0.0*	6	0.1*	5	0.0*	13	0.1*	8	0.1*
LOS ANGELES	1	0.0*	4	0.0*	0	-	1	0.0*	5	0.1*	6	0.1*	5	0.1*	12	0.1*	6	0.1*
LONG BEACH	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	2	0.4*
PASADENA	1	0.7*	0	-	0	-	0	-	0	-	0	-	0	-	1	0.7*	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIN	1	0.4*	0	-	1	0.4*	0	-	1	0.4*	0	-	0	-	3	1.1*	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	1	0.2*	1	0.2*	0	-	0	-	1	0.2*	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	4	0.1*	4	0.1*	6	0.2*	6	0.2*	3	0.1*	1	0.0*	4	0.1*	3	0.1*	5	0.2*
PLACER	0	-	0	-	1	0.3*	0	-	0	-	0	-	0	-	0	-	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-
SACRAMENTO	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	1	0.1*	1	0.1*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	0	-	0	-	0	-	1	0.0*	0	-	0	-	0	-	1	0.0*	0	-
SAN DIEGO	2	0.1*	1	0.0*	0	-	9	0.3*	2	0.1*	1	0.0*	6	0.2*	5	0.1*	8	0.2*
SAN FRANCISCO	3	0.4*	2	0.2*	2	0.2*	0	-	0	-	0	-	2	0.2*	0	-	2	0.2*
SAN JOAQUIN	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-
SAN LUIS OBISPO	2	0.7*	0	-	0	-	0	-	3	1.1*	0	-	0	-	6	2.1*	1	0.4*
SAN MATEO	1	0.1*	0	-	3	0.4*	0	-	0	-	0	-	0	-	3	0.4*	0	-
SANTA BARBARA	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-	1	0.2*
SANTA CLARA	1	0.1*	1	0.1*	4	0.2*	1	0.1*	3	0.2*	5	0.3*	0	-	4	0.2*	1	0.1*
SANTA CRUZ	0	-	0	-	0	-	0	-	1	0.4*	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	-	1	0.2*
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	-	2	0.2*	0	-	0	-	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.

Scombroid Fish Poisoning

Scombroid Fish Poisoning, Cases by Month of Estimated Illness Onset, California, 2011-2019

MONTH	YEAR OF ESTIMATED ILLNESS ONSET								
	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	19	13	17	22	21	16	18	39	32
JANUARY	1	0	0	1	1	3	1	3	4
FEBRUARY	0	1	1	1	1	0	0	2	2
MARCH	3	3	0	1	0	3	1	3	0
APRIL	3	0	5	3	3	1	2	2	4
MAY	2	2	2	5	4	0	3	5	3
JUNE	2	0	0	2	3	1	2	6	1
JULY	0	4	2	1	5	0	2	6	3
AUGUST	4	0	6	3	1	1	1	1	4
SEPTEMBER	1	0	0	1	0	2	1	1	2
OCTOBER	2	0	1	1	3	1	0	0	5
NOVEMBER	0	2	0	0	0	2	3	2	0
DECEMBER	1	1	0	3	0	2	2	8	4

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

Scombroid Fish Poisoning, Cases and Rates by Age Group, California, 2011-2019

AGE GROUP	YEAR OF ESTIMATED ILLNESS ONSET																	
	2011		2012		2013		2014		2015		2016		2017		2018		2019	
	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	19	0.1	13	0.0*	17	0.0*	22	0.1	21	0.1	16	0.0*	18	0.0*	39	0.1	32	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	-	1	0.0*	1	0.0*	1	0.0*	0	-	0	-	0	-
15-24	3	0.1*	4	0.1*	3	0.1*	5	0.1*	3	0.1*	4	0.1*	2	0.0*	3	0.1*	5	0.1*
25-34	3	0.1*	1	0.0*	5	0.1*	3	0.1*	3	0.1*	2	0.0*	6	0.1*	6	0.1*	6	0.1*
35-44	7	0.1*	2	0.0*	2	0.0*	3	0.1*	1	0.0*	3	0.1*	5	0.1*	9	0.2*	10	0.2*
45-54	3	0.1*	2	0.0*	3	0.1*	6	0.1*	5	0.1*	3	0.1*	2	0.0*	6	0.1*	6	0.1*
55-64	1	0.0*	3	0.1*	1	0.0*	1	0.0*	7	0.2*	0	-	2	0.0*	6	0.1*	3	0.1*
65+	2	0.0*	0	-	2	0.0*	2	0.0*	1	0.0*	3	0.1*	1	0.0*	7	0.1*	2	0.0*
UNKNOWN	0	-	1	-	1	-	1	-	0	-	0	-	0	-	2	-	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, 2011-2019

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET								
	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	19	13	17	22	21	16	18	39	32
WHITE, NON-HISPANIC	8	8	8	14	9	10	9	16	10
HISPANIC	0	2	1	2	2	1	1	3	4
ASIAN/PACIFIC ISLANDER	2	1	5	2	2	3	1	2	5
BLACK, NON-HISPANIC	1	0	0	0	0	1	0	0	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	0	0	0
OTHER	1	0	0	0	0	0	1	0	1
UNKNOWN	7	2	3	4	8	1	6	18	12

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

Scombroid Fish Poisoning Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2011-2019

*Potentially unreliable rate: relative standard error 23 percent or more.
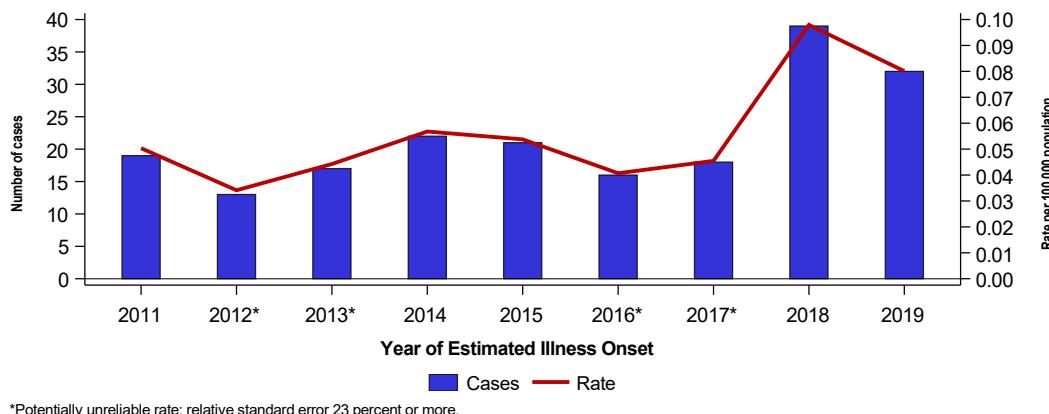
Scombroid Fish Poisoning Cases and Population by Race/Ethnicity, California, 2011-2019
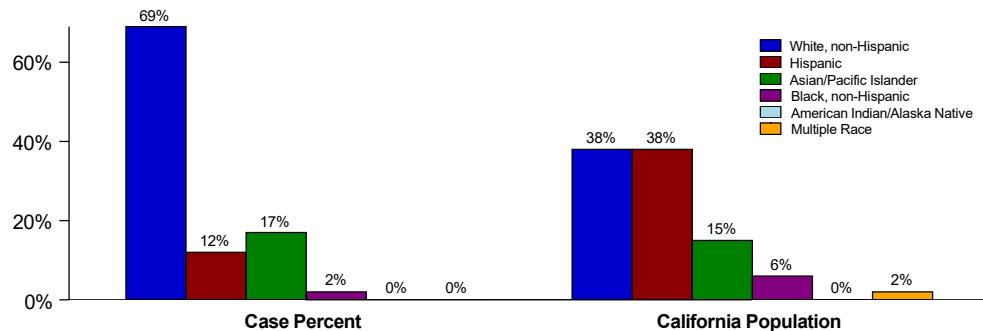
31% (n=61) of reported incidents of Scombroid Fish Poisoning did not identify race/ethnicity and 1.5% (n=3) of incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

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, 2011-2019
YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	2011 RATE	2012 CASES	2012 RATE	2013 CASES	2013 RATE	2014 CASES	2014 RATE	2015 CASES	2015 RATE	2016 CASES	2016 RATE	2017 CASES	2017 RATE	2018 CASES	2018 RATE	2019 CASES	2019 RATE
CALIFORNIA TOTAL	457	1.2	556	1.5	593	1.5	661	1.7	914	2.3	866	2.2	1,260	3.2	2,242	5.6	2,614	6.5
ALAMEDA COUNTY TOTAL	31	2.0	33	2.1	39	2.5	48	3.0	72	4.4	82	5.0	103	6.2	131	7.9	161	9.6
ALAMEDA	27	1.9	29	2.0	31	2.1	45	3.1	67	4.5	78	5.2	99	6.5	124	8.1	154	10.0
BERKELEY	4	3.5*	4	3.5*	8	6.9*	3	2.5*	5	4.2*	4	3.3*	4	3.3*	7	5.7*	7	5.7*
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	1	87.3*	0	-	0	-
AMADOR	0	-	0	-	1	2.8*	2	5.5*	1	2.7*	3	8.1*	1	2.7*	1	2.6*	3	7.8*
BUTTE	1	0.5*	14	6.3*	4	1.8*	4	1.8*	8	3.6*	4	1.8*	7	3.1*	10	4.4*	4	1.8*
CALAVERAS	1	2.2*	0	-	8	17.7*	0	-	1	2.2*	2	4.5*	0	-	4	9.0*	2	4.5*
COLUSA	1	4.7*	0	-	1	4.6*	0	-	1	4.6*	0	-	0	-	1	4.5*	0	-
CONTRA COSTA	8	0.8*	12	1.1*	26	2.4	31	2.8	55	4.9	56	5.0	60	5.3	90	7.8	115	10.0
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	3.6*
EL DORADO	2	1.1*	5	2.8*	0	-	4	2.2*	5	2.7*	5	2.7*	8	4.3*	7	3.7*	10	5.2*
FRESNO	15	1.6*	7	0.7*	18	1.9*	21	2.2	18	1.8*	26	2.6	34	3.4	46	4.6	54	5.3
GLENN	1	3.5*	2	7.1*	5	17.7*	1	3.5*	3	10.6*	2	7.0*	1	3.5*	2	7.0*	3	10.3*
HUMBOLDT	13	9.6*	5	3.7*	3	2.2*	4	3.0*	9	6.7*	12	8.8*	5	3.7*	5	3.7*	4	3.0*
IMPERIAL	1	0.6*	0	-	0	-	1	0.5*	2	1.1*	0	-	0	-	6	3.2*	22	11.6
INYO	0	-	0	-	0	-	1	5.4*	0	-	0	-	0	-	0	-	0	-
KERN	12	1.4*	5	0.6*	7	0.8*	12	1.4*	15	1.7*	11	1.2*	13	1.4*	42	4.6	42	4.6
KINGS	2	1.3*	2	1.3*	2	1.3*	6	4.0*	2	1.3*	2	1.3*	4	2.7*	4	2.6*	7	4.5*
LAKE	2	3.1*	1	1.5*	2	3.1*	0	-	0	-	1	1.6*	2	3.1*	1	1.5*	5	7.7*
LASSEN	0	-	5	15.1*	0	-	0	-	1	3.2*	1	3.3*	1	3.3*	0	-	0	-
LOS ANGELES COUNTY TOTAL	72	0.7	96	1.0	102	1.0	87	0.9	96	0.9	113	1.1	131	1.3	591	5.8	672	6.5
LOS ANGELES	70	0.8*	91	1.0	95	1.0	81	0.9	94	1.0	108	1.1	123	1.3	557	5.8	633	6.6
LONG BEACH	1	0.2*	4	0.9*	5	1.1*	4	0.8*	2	0.4*	3	0.6*	8	1.7*	30	6.3	28	5.9
PASADENA	1	0.7*	1	0.7*	2	1.4*	2	1.4*	0	-	2	1.4*	0	-	4	2.8*	11	7.6*
MADERA	0	-	3	2.0*	3	2.0*	3	1.9*	3	1.9*	2	1.3*	3	1.9*	4	2.5*	6	3.8*
MARIN	3	1.2*	3	1.2*	12	4.6*	14	5.4*	20	7.6	17	6.5*	24	9.2	33	12.6	46	17.6
MARIPOSA	1	5.5*	0	-	0	-	1	5.5*	1	5.5*	0	-	1	5.6*	0	-	1	5.6*
MENDOCINO	0	-	1	1.1*	0	-	1	1.1*	1	1.1*	3	3.4*	3	3.4*	11	12.4*	17	19.2*
MERCED	11	4.2*	13	4.9*	0	-	0	-	2	0.7*	2	0.7*	3	1.1*	13	4.7*	11	3.9*
MODOC	0	-	0	-	2	20.8*	4	41.7*	0	-	1	10.5*	0	-	0	-	1	10.5*
MONO	0	-	0	-	0	-	0	-	0	-	2	14.5*	0	-	0	-	0	-
MONTEREY	16	3.8*	15	3.5*	11	2.6*	27	6.3	21	4.8	18	4.1*	21	4.8	21	4.7	23	5.2
NAPA	3	2.2*	1	0.7*	7	5.0*	1	0.7*	5	3.5*	4	2.8*	7	5.0*	15	10.7*	15	10.7*
NEVADA	4	4.1*	0	-	2	2.0*	0	-	4	4.1*	4	4.1*	10	10.2*	2	2.0*	10	10.1*
ORANGE	28	0.9	50	1.6	43	1.4	28	0.9	50	1.6	42	1.3	39	1.2	105	3.3	137	4.3
PLACER	2	0.6*	5	1.4*	2	0.5*	10	2.7*	17	4.6*	28	7.4	39	10.2	27	6.9	38	9.6
PLUMAS	0	-	0	-	0	-	1	5.3*	0	-	0	-	1	5.3*	1	5.3*	0	-
RIVERSIDE	8	0.4*	19	0.8	24	1.1	10	0.4*	17	0.7*	12	0.5*	16	0.7*	97	4.0	107	4.4
SACRAMENTO	7	0.5*	17	1.2*	14	1.0*	41	2.8	60	4.0	45	3.0	57	3.7	90	5.9	114	7.3
SAN BENITO	2	3.6*	1	1.8*	0	-	1	1.7*	2	3.4*	1	1.7*	4	6.6*	9	14.6*	15	23.9*
SAN BERNARDINO	14	0.7*	19	0.9	14	0.7*	17	0.8*	21	1.0	5	0.2*	4	0.2*	44	2.0	54	2.5
SAN DIEGO	34	1.1	46	1.4	38	1.2	34	1.0	43	1.3	49	1.5	280	8.4	164	4.9	170	5.1
SAN FRANCISCO	15	1.8*	12	1.4*	16	1.9*	22	2.6	30	3.5	30	3.4	52	5.9	59	6.7	77	8.7
SAN JOAQUIN	12	1.7*	15	2.1*	13	1.8*	21	2.9	35	4.8	29	3.9	28	3.7	38	5.0	52	6.7
SAN LUIS OBISPO	2	0.7*	10	3.7*	11	4.0*	11	4.0*	11	4.0*	13	4.7*	16	5.7*	14	5.0*	17	6.1*
SAN MATEO	12	1.6*	17	2.3*	20	2.7	28	3.7	28	3.7	26	3.4	39	5.1	53	6.8	85	11.0
SANTA BARBARA	7	1.6*	10	2.3*	12	2.8*	14	3.2*	14	3.2*	7	1.6*	16	3.6*	34	7.5	37	8.1
SANTA CLARA	38	2.1	41	2.2	50	2.7	53	2.8	103	5.4	89	4.6	95	4.9	195	10.0	217	11.1
SANTA CRUZ	8	3.0*	6	2.2*	10	3.7*	12	4.4*	7	2.5*	5	1.8*	5	1.8*	21	7.6	22	8.0
SHASTA	5	2.8*	3	1.7*	4	2.2*	7	3.9*	4	2.2*	8	4.5*	2	1.1*	12	6.7*	3	1.7*
SIERRA	0	-	0	-	0	-	1	31.5*	0	-	0	-	0	-	0	-	0	-
SISKIYOU	1	2.2*	0	-	4	8.9*	0	-	1	2.2*	1	2.3*	1	2.3*	6	13.6*	1	2.3*
SOLANO	6	1.4*	4	1.0*	3	0.7*	4	0.9*	31	7.2	15	3.5*	19	4.3	38	8.6	30	6.8
SONOMA	15	3.1*	10	2.0*	14	2.8*	24	4.8	27	5.4	25	5.0	35	7.0	50	10.0	76	15.2
STANISLAUS	14	2.7*	14	2.7*	15	2.8*	18	3.4*	26	4.8	28	5.2	17	3.1*	29	5.2	40	7.2
SUTTER	0	-	3	3.1*	3	3.1*	1	1.0*	4	4.1*	0	-	2	2.0*	1	1.0*	2	1.9*
TEHAMA	3	4.7*	4	6.3*	2	3.2*	1	1.6*	2	3.1*	0	-	1	1.6*	3	4.6*	3	4.6*
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	7.5*	0	-
TULARE	6	1.3*	9	2.0*	9	2.0*	10	2.2*	10	2.2*	16	3.4*	18	3.8*	32	6.7	8	1.7*
TUOLUMNE	0	-	0	-	3	5.5*	3	5.6*	4	7.5*	1	1.9*	3	5.7*	0	-	4	7.6*
VENTURA	14	1.7*	16	1.9*	8	0.9*	6	0.7*	10	1.2*	5	0.6*	13	1.5*	61	7.1	54	6.3
YOLO	3	1.5*	1	0.5*	3	1.4*	7	3.3*	9	4.2*	10	4.6*	12	5.5*	12	5.4*	11	4.9*
YUBA	1	1.4*	1	1.4*	3	4.1*	3	4.1*	2	2.7*	3	4.0*	3	3.9*	6	7.7*	5	6.4*

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, 2011-2019

MONTH	YEAR OF ESTIMATED ILLNESS ONSET								
	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	457	556	593	661	914	866	1,260	2,242	2,614
JANUARY	28	24	21	27	55	45	56	112	170
FEBRUARY	15	28	20	20	42	39	49	84	103
MARCH	24	34	35	37	56	66	49	120	168
APRIL	21	45	55	44	68	62	102	212	199
MAY	38	50	66	49	88	64	72	187	205
JUNE	38	62	40	53	64	64	103	220	288
JULY	58	63	76	99	109	121	125	312	367
AUGUST	63	81	70	68	113	90	146	317	347
SEPTEMBER	52	54	72	63	98	77	133	163	282
OCTOBER	54	59	84	79	119	94	282	196	172
NOVEMBER	48	34	32	70	67	97	90	183	187
DECEMBER	18	22	22	52	35	47	53	136	126

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 Age Group, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET																	
	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	457	1.2	556	1.5	593	1.5	661	1.7	914	2.3	866	2.2	1,260	3.2	2,242	5.6	2,614	6.5
0	28	5.5	15	3.0*	16	3.2*	16	3.2*	25	5.0	31	6.3	35	7.3	59	12.8	70	15.5
1-4	148	7.3	181	9.0	194	9.7	201	10.1	253	12.6	228	11.5	259	13.1	435	22.2	461	24.0
5-9	57	2.3	66	2.6	89	3.5	82	3.2	107	4.2	94	3.6	101	3.9	148	5.8	172	6.7
10-14	36	1.4	45	1.8	38	1.5	62	2.5	73	2.9	72	2.8	63	2.5	125	4.8	136	5.2
15-24	52	0.9	85	1.5	77	1.3	85	1.5	140	2.4	117	2.0	365	6.2	285	4.8	308	5.3
25-34	27	0.5	43	0.8	57	1.1	52	1.0	71	1.3	89	1.7	131	2.4	268	4.9	337	6.2
35-44	21	0.4	26	0.5	21	0.4	28	0.5	56	1.1	55	1.1	54	1.0	185	3.5	252	4.8
45-54	23	0.4	32	0.6	27	0.5	41	0.8	45	0.9	40	0.8	55	1.1	177	3.5	234	4.7
55-64	30	0.7	24	0.6	27	0.6	35	0.8	48	1.0	56	1.2	87	1.8	220	4.5	266	5.4
65+	33	0.7	37	0.8	45	0.9	55	1.1	86	1.6	78	1.4	107	1.9	337	5.8	374	6.2
UNKNOWN	2	-	2	-	2	-	4	-	10	-	6	-	3	-	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.

Shiga toxin-producing E. coli (STEC) without Hemolytic Uremic Syndrome (HUS), Cases by Race/Ethnicity, California, 2011-2019

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET								
	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	457	556	593	661	914	866	1,260	2,242	2,614
WHITE, NON-HISPANIC	174	228	222	254	369	337	432	786	859
HISPANIC	177	192	213	205	289	262	263	791	969
ASIAN/PACIFIC ISLANDER	25	38	41	35	46	57	67	150	190
BLACK, NON-HISPANIC	10	8	17	20	36	31	31	85	71
AMERICAN INDIAN/ALASKA NATIVE	6	0	1	1	3	2	4	8	5
MULTIPLE RACE	7	6	9	14	8	10	13	16	25
OTHER	2	4	3	5	12	39	61	112	167
UNKNOWN	56	80	87	127	151	128	389	294	328

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, 2011-2019
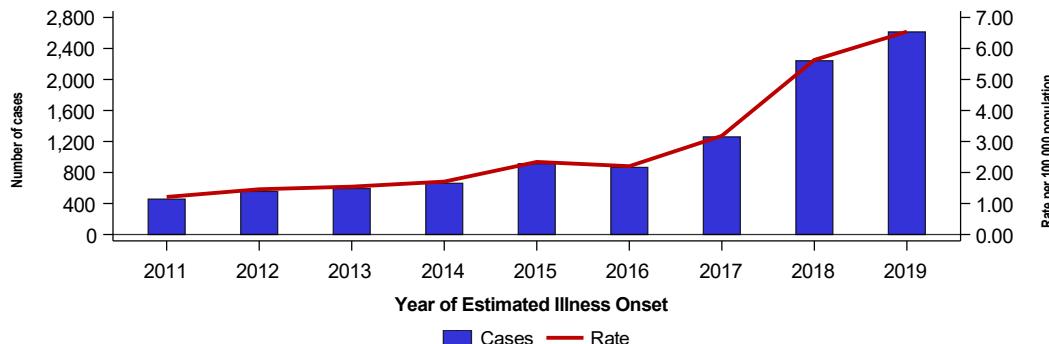
Shiga toxin-producing E. coli (STEC) without Hemolytic Uremic Syndrome (HUS) Incidence Rates by Age Group and Year of Estimated Illness Onset, California, 2011-2019
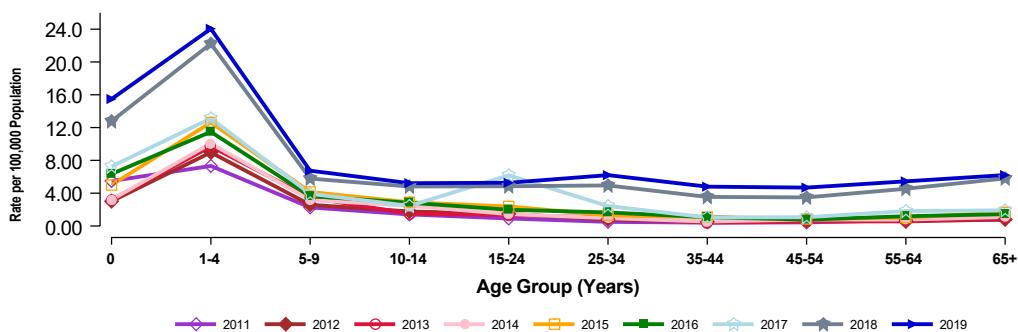
Shiga toxin-producing E. coli (STEC) without Hemolytic Uremic Syndrome (HUS) Cases and Population by Race/Ethnicity, California, 2011-2019
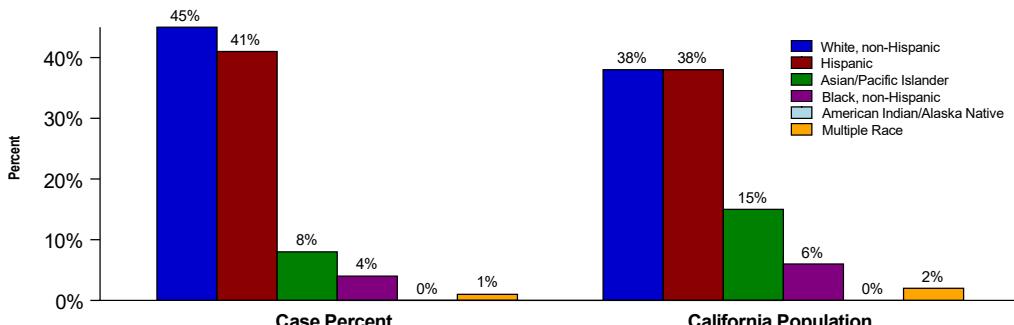
16.1% (n=1640) of reported incidents of Shiga toxin-producing E. coli (STEC) without Hemolytic Uremic Syndrome (HUS) did not identify race/ethnicity and 4% (n=405) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with 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, 2011-2019
YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
CALIFORNIA TOTAL	32	0.1	29	0.1	38	0.1	36	0.1	36	0.1	45	0.1	52	0.1	66	0.2	66	0.2
ALAMEDA COUNTY TOTAL	2	0.1*	3	0.2*	1	0.1*	4	0.2*	4	0.2*	3	0.2*	4	0.2*	1	0.1*	3	0.2*
ALAMEDA	2	0.1*	3	0.2*	1	0.1*	4	0.3*	4	0.3*	3	0.2*	3	0.2*	1	0.1*	3	0.2*
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	-	1	0.4*	0	-	2	0.9*	1	0.4*	0	-	1	0.4*	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	1	2.2*	0	-	1	2.3*
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	3	0.3*	1	0.1*	3	0.3*	2	0.2*	1	0.1*	1	0.1*	2	0.2*	4	0.3*	0	-
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	0	-	1	0.5*	0	-	0	-
FRESNO	1	0.1*	1	0.1*	1	0.1*	2	0.2*	0	-	1	0.1*	3	0.3*	4	0.4*	2	0.2*
GLENN	0	-	0	-	0	-	0	-	0	-	1	3.5*	0	-	0	-	0	-
HUMBOLDT	1	0.7*	1	0.7*	3	2.2*	1	0.7*	2	1.5*	0	-	0	-	1	0.7*	1	0.7*
IMPERIAL	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	1	0.1*	1	0.1*	0	-	0	-	3	0.3*	1	0.1*	0	-	1	0.1*	0	-
KINGS	1	0.7*	0	-	0	-	3	2.0*	0	-	0	-	0	-	1	0.7*	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*	3	0.0*	3	0.0*	2	0.0*	2	0.0*	3	0.0*	0	-	12	0.1*	9	0.1*
LOS ANGELES	4	0.0*	3	0.0*	3	0.0*	2	0.0*	2	0.0*	2	0.0*	0	-	11	0.1*	8	0.1*
LONG BEACH	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-	1	0.2*	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.7*
MADERA	1	0.7*	0	-	1	0.7*	0	-	0	-	1	0.6*	0	-	2	1.3*	0	-
MARIN	0	-	0	-	2	0.8*	1	0.4*	0	-	2	0.8*	0	-	1	0.4*	3	1.1*
MARIPOSA	0	-	0	-	0	-	0	-	1	5.5*	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.1*	0	-
MERCED	1	0.4*	2	0.8*	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	2	0.5*	0	-	0	-	3	0.7*	0	-	1	0.2*	0	-	3	0.7*	1	0.2*
NAPA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	2	1.4*	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	2	2.0*	4	4.1*	0	-	2	2.0*
ORANGE	0	-	2	0.1*	1	0.0*	0	-	0	-	3	0.1*	2	0.1*	2	0.1*	2	0.1*
PLACER	0	-	2	0.6*	1	0.3*	0	-	3	0.8*	3	0.8*	0	-	4	1.0*	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	1	0.0*	0	-	0	-	0	-	2	0.1*	0	-	3	0.1*	1	0.0*	3	0.1*
SACRAMENTO	0	-	1	0.1*	2	0.1*	3	0.2*	5	0.3*	2	0.1*	1	0.1*	1	0.1*	6	0.4*
SAN BENITO	0	-	1	1.8*	0	-	0	-	1	1.7*	0	-	0	-	1	1.6*	0	-
SAN BERNARDINO	0	-	0	-	0	-	1	0.0*	0	-	0	-	2	0.1*	2	0.1*	1	0.0*
SAN DIEGO	2	0.1*	4	0.1*	0	-	1	0.0*	1	0.0*	1	0.0*	18	0.5*	2	0.1*	2	0.1*
SAN FRANCISCO	0	-	0	-	5	0.6*	0	-	2	0.2*	1	0.1*	1	0.1*	0	-	4	0.4*
SAN JOAQUIN	0	-	1	0.1*	2	0.3*	2	0.3*	0	-	0	-	0	-	2	0.3*	3	0.4*
SAN LUIS OBISPO	0	-	0	-	2	0.7*	2	0.7*	0	-	3	1.1*	0	-	0	-	1	0.4*
SAN MATEO	0	-	0	-	1	0.1*	1	0.1*	1	0.1*	2	0.3*	1	0.1*	1	0.1*	0	-
SANTA BARBARA	0	-	0	-	1	0.2*	0	-	0	-	2	0.4*	0	-	1	0.2*	0	-
SANTA CLARA	3	0.2*	3	0.2*	3	0.2*	0	-	4	0.2*	2	0.1*	4	0.2*	5	0.3*	6	0.3*
SANTA CRUZ	0	-	0	-	0	-	0	-	0	-	2	0.7*	0	-	1	0.4*	1	0.4*
SHASTA	0	-	0	-	0	-	1	0.6*	1	0.6*	0	-	2	1.1*	2	1.1*	3	1.7*
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	-	1	0.2*	0	-	0	-	3	0.7*	1	0.2*	2	0.5*	3	0.7*
SONOMA	4	0.8*	1	0.2*	0	-	3	0.6*	0	-	1	0.2*	0	-	2	0.4*	3	0.6*
STANISLAUS	2	0.4*	1	0.2*	1	0.2*	0	-	0	-	0	-	1	0.2*	0	-	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.5*
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	1	0.2*	0	-	1	0.2*	2	0.4*	0	-	1	0.2*	0	-	0	-	1	0.2*
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.9*	0	-
VENTURA	0	-	1	0.1*	0	-	1	0.1*	1	0.1*	1	0.1*	0	-	1	0.1*	3	0.4*
YOLO	1	0.5*	0	-	0	-	1	0.5*	0	-	1	0.5*	0	-	0	-	0	-
YUBA	1	1.4*	0	-	2	2.7*	0	-	0	-	0	-	0	-	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.

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, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	32	29	38	36	36	45	52	66	66
JANUARY	0	1	0	0	0	4	2	3	2
FEBRUARY	0	6	1	2	2	0	1	1	0
MARCH	3	2	0	3	1	0	1	2	1
APRIL	2	0	2	2	4	2	2	9	2
MAY	0	1	1	6	2	4	3	8	11
JUNE	1	2	3	3	3	5	0	5	10
JULY	7	6	5	2	5	6	10	8	6
AUGUST	2	3	7	4	4	1	3	7	10
SEPTEMBER	4	3	7	3	4	3	6	10	9
OCTOBER	7	2	8	6	8	8	16	3	5
NOVEMBER	6	1	2	2	1	10	5	7	5
DECEMBER	0	2	2	3	2	2	3	3	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 Age Group, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	32	0.1	29	0.1	38	0.1	36	0.1	36	0.1	45	0.1	52	0.1	66	0.2	66	0.2
0	1	0.2*	1	0.2*	0	-	0	-	1	0.2*	0	-	0	-	1	0.2*	1	0.2*
1-4	17	0.8*	13	0.6*	16	0.8*	23	1.2	17	0.8*	26	1.3	15	0.8*	26	1.3	32	1.7
5-9	7	0.3*	4	0.2*	10	0.4*	5	0.2*	7	0.3*	10	0.4*	10	0.4*	8	0.3*	13	0.5*
10-14	3	0.1*	6	0.2*	0	-	2	0.1*	4	0.2*	1	0.0*	3	0.1*	8	0.3*	4	0.2*
15-24	0	-	1	0.0*	4	0.1*	1	0.0*	0	-	0	-	16	0.3*	2	0.0*	4	0.1*
25-34	1	0.0*	0	-	1	0.0*	0	-	0	-	1	0.0*	1	0.0*	1	0.0*	3	0.1*
35-44	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	1	0.0*	1	0.0*
45-54	1	0.0*	0	-	0	-	1	0.0*	3	0.1*	1	0.0*	0	-	2	0.0*	3	0.1*
55-64	2	0.0*	1	0.0*	1	0.0*	3	0.1*	3	0.1*	0	-	2	0.0*	3	0.1*	2	0.0*
65+	0	-	3	0.1*	5	0.1*	1	0.0*	1	0.0*	6	0.1*	4	0.1*	14	0.2*	2	0.0*
UNKNOWN	0	-	0	-	1	-	0	-	0	-	0	-	0	-	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 by Race/Ethnicity, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	32	29	38	36	36	45	52	66	66
WHITE, NON-HISPANIC	18	12	21	12	18	23	27	28	19
HISPANIC	7	7	9	11	10	11	5	19	22
ASIAN/PACIFIC ISLANDER	0	2	4	5	2	1	4	4	8
BLACK, NON-HISPANIC	1	1	0	2	1	1	0	1	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	1	0
MULTIPLE RACE	4	2	1	0	2	1	1	0	2
OTHER	0	0	0	0	0	4	4	7	7
UNKNOWN	2	5	3	6	3	4	11	6	8

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, 2011-2019
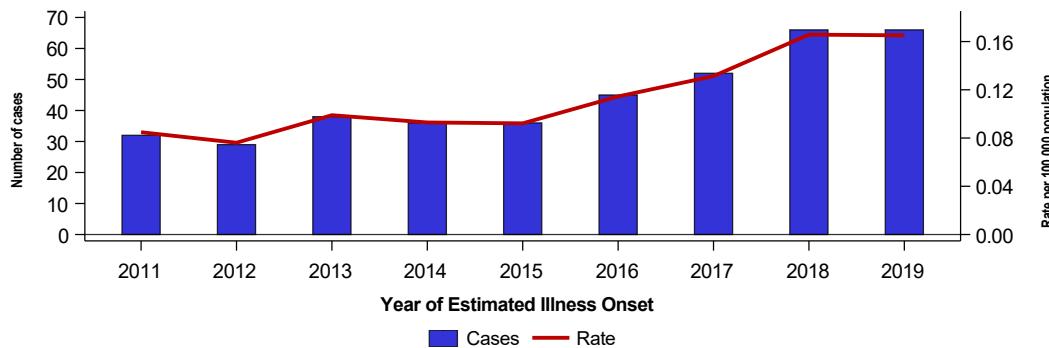
Shiga toxin-producing E. coli (STEC) with Hemolytic Uremic Syndrome (HUS) Cases and Population by Race/Ethnicity, California, 2011-2019
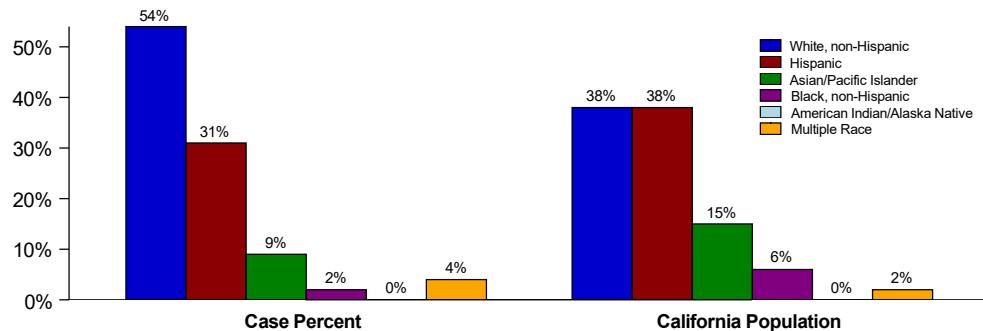
12% (n=48) of reported incidents of Shiga toxin-producing E. coli (STEC) with Hemolytic Uremic Syndrome (HUS) did not identify race/ethnicity and 5.5% (n=22) of incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage 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, 2011-2019

| | \| YEAR OF ESTIMATED ILLNESS ONSET | | | | | | | | | | | | | | | | |
| | 2011 | | 2012 | | 2013 | | 2014 | | 2015 | | 2016 | | 2017 | | 2018 | | 2019 | |
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	15	0.0*	13	0.0*	22	0.1	3	0.0*	4	0.0*	11	0.0*	9	0.0*	5	0.0*	5	0.0*
ALAMEDA COUNTY TOTAL	1	0.1*	1	0.1*	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-
ALAMEDA	1	0.1*	1	0.1*	1	0.1*	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	-	0	-	0	-	1	0.4*	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*	1	0.1*	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	-	1	0.1*	0	-	0	-	1	0.1*	1	0.1*	1	0.1*
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	1	0.7*	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	2	0.0*	1	0.0*	3	0.0*	1	0.0*	0	-	0	-	2	0.0*	0	-	0	-
LOS ANGELES	2	0.0*	1	0.0*	3	0.0*	1	0.0*	0	-	0	-	2	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	-	1	0.4*	0	-	0	-	2	0.8*	0	-	0	-	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	1	1.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MERCED	0	-	1	0.4*	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	1	0.7*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	0	-	2	0.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
PLACER	0	-	0	-	0	-	0	-	0	-	4	1.1*	0	-	0	-	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*	1	0.1*	1	0.1*	0	-	1	0.1*	1	0.1*	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	1	0.0*	0	-	2	0.1*	0	-	0	-	1	0.0*	1	0.0*	0	-	1	0.0*
SAN FRANCISCO	0	-	0	-	2	0.2*	0	-	0	-	0	-	0	-	0	-	0	-
SAN JOAQUIN	1	0.1*	1	0.1*	1	0.1*	0	-	1	0.1*	1	0.1*	0	-	0	-	0	-
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	0	-	0	-	0	-	0	-	1	0.1*	0	-	1	0.1*	0	-	0	-
SANTA BARBARA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CLARA	0	-	1	0.1*	4	0.2*	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CRUZ	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SHASTA	0	-	1	0.6*	0	-	0	-	0	-	0	-	2	1.1*	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	-	2	0.5*	0	-	0	-	0	-	1	0.2*	1	0.2*	1	0.2*
SONOMA	1	0.2*	1	0.2*	2	0.4*	1	0.2*	0	-	1	0.2*	0	-	0	-	0	-
STANISLAUS	1	0.2*	0	-	1	0.2*	0	-	0	-	0	-	0	-	1	0.2*	0	-
SUTTER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.5*
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	3	0.7*	0	-	0	-	0	-	1	0.2*	1	0.2*	0	-	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*
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.

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, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	15	13	22	3	4	11	9	5	5
JANUARY	0	1	0	0	0	2	2	0	0
FEBRUARY	1	2	0	0	0	0	1	0	0
MARCH	0	0	1	0	0	0	0	0	1
APRIL	0	2	0	0	0	0	0	1	0
MAY	2	2	2	0	0	1	1	1	0
JUNE	0	2	1	1	1	1	1	1	0
JULY	1	0	4	0	0	0	0	0	1
AUGUST	3	2	6	0	0	1	1	0	0
SEPTEMBER	1	1	3	0	0	1	0	0	1
OCTOBER	2	1	3	1	2	3	0	1	0
NOVEMBER	2	0	2	1	1	2	2	0	2
DECEMBER	3	0	0	0	0	0	1	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 and Rates by Age Group, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

AGE GROUP	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
TOTAL	15	0.0*	13	0.0*	22	0.1	3	0.0*	4	0.0*	11	0.0*	9	0.0*	5	0.0*	5	0.0*
0	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-	0	-	0	-
1-4	4	0.2*	6	0.3*	11	0.5*	1	0.1*	3	0.1*	2	0.1*	4	0.2*	2	0.1*	2	0.1*
5-9	5	0.2*	4	0.2*	2	0.1*	2	0.1*	0	-	3	0.1*	0	-	0	-	2	0.1*
10-14	1	0.0*	2	0.1*	1	0.0*	0	-	0	-	3	0.1*	1	0.0*	0	-	0	-
15-24	3	0.1*	1	0.0*	3	0.1*	0	-	0	-	0	-	0	-	1	0.0*	0	-
25-34	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-
35-44	0	-	0	-	1	0.0*	0	-	0	-	0	-	0	-	2	0.0*	0	-
45-54	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
55-64	0	-	0	-	1	0.0*	0	-	1	0.0*	0	-	3	0.1*	0	-	0	-
65+	1	0.0*	0	-	1	0.0*	0	-	0	-	3	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.

Hemolytic Uremic Syndrome (HUS) without evidence of Shiga toxin-producing E. coli (STEC), Cases by Race/Ethnicity, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	15	13	22	3	4	11	9	5	5
WHITE, NON-HISPANIC	6	7	13	1	1	7	4	2	2
HISPANIC	6	6	3	1	2	0	3	1	0
ASIAN/PACIFIC ISLANDER	2	0	1	0	0	0	0	0	1
BLACK, NON-HISPANIC	0	0	1	0	0	0	1	0	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	0	0	0
OTHER	0	0	0	0	0	0	0	0	0
UNKNOWN	1	0	4	1	1	4	1	2	2

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, 2011-2019
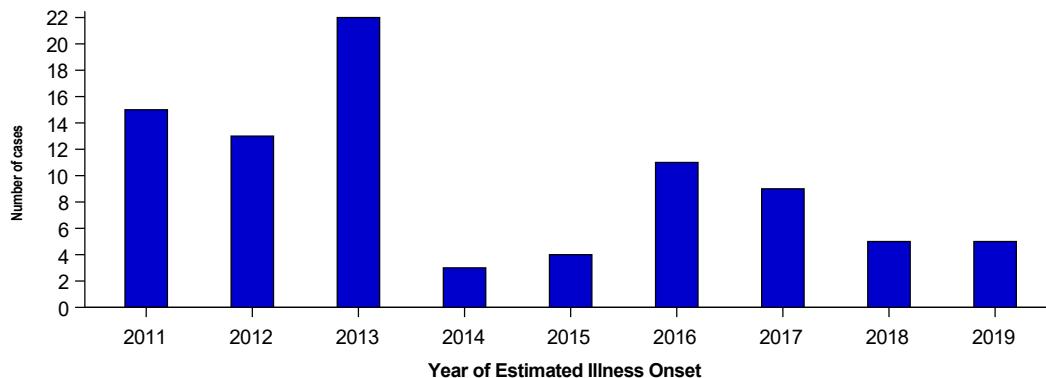
Hemolytic Uremic Syndrome (HUS) without evidence of Shiga toxin-producing E. coli (STEC) Cases and Population by Race/Ethnicity, California, 2011-2019
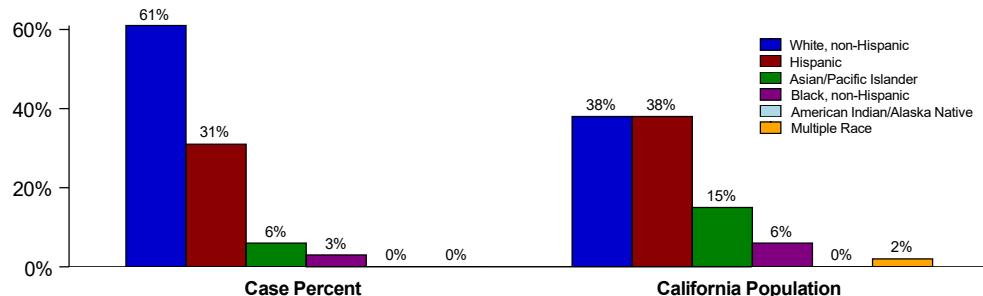
18.4% (n=16) of reported incidents of Hemolytic Uremic Syndrome (HUS) without evidence of Shiga toxin-producing E. coli (STEC) did not identify race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Shigellosis

Shigellosis, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
CALIFORNIA TOTAL	950	2.5	1,090	2.9	1,075	2.8	1,644	4.2	2,196	5.6	2,075	5.3	2,653	6.7	3,440	8.6	3,430	8.6
ALAMEDA COUNTY TOTAL	50	3.3	44	2.8	55	3.5	81	5.1	134	8.3	58	3.5	144	8.7	183	11.0	142	8.5
ALAMEDA	48	3.4	43	3.0	52	3.6	74	5.0	127	8.5	51	3.4	131	8.6	175	11.4	135	8.8
BERKELEY	2	1.7*	1	0.9*	3	2.6*	7	5.9*	7	5.9*	7	5.8*	13	10.7*	8	6.6*	7	5.7*
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	8	20.9*
BUTTE	2	0.9*	7	3.2*	1	0.4*	0	-	3	1.3*	5	2.2*	4	1.8*	0	-	0	-
CALAVERAS	1	2.2*	0	-	0	-	1	2.2*	0	-	0	-	2	4.5*	0	-	1	2.3*
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	1	4.5*	0	-	0	-
CONTRA COSTA	16	1.5*	26	2.4	22	2.0	31	2.8	30	2.7	33	2.9	70	6.2	104	9.1	81	7.0
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	1	3.7*	0	-	0	-
EL DORADO	3	1.7*	1	0.6*	2	1.1*	1	0.5*	5	2.7*	0	-	8	4.3*	3	1.6*	2	1.0*
FRESNO	18	1.9*	21	2.2	23	2.4	39	4.0	86	8.8	110	11.1	72	7.2	76	7.5	66	6.5
GLENN	0	-	0	-	1	3.5*	2	7.1*	0	-	1	3.5*	1	3.5*	0	-	0	-
HUMBOLDT	1	0.7*	0	-	0	-	0	-	1	0.7*	2	1.5*	1	0.7*	4	2.9*	3	2.2*
IMPERIAL	16	9.0*	17	9.5*	27	15.0	28	15.3	29	15.7	19	10.2	41	21.8	22	11.6	44	23.2
INYO	0	-	1	5.4*	0	-	2	10.7*	0	-	0	-	0	-	1	5.4*	0	-
KERN	21	2.5	24	2.8	16	1.8*	12	1.4*	23	2.6	65	7.3	56	6.2	53	5.8	43	4.7
KINGS	4	2.6*	0	-	0	-	0	-	1	0.7*	2	1.3*	0	-	2	1.3*	6	3.9*
LAKE	0	-	0	-	0	-	0	-	1	1.5*	2	3.1*	4	6.2*	0	-	2	3.1*
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	285	2.9	328	3.3	255	2.5	384	3.8	534	5.2	630	6.2	771	7.5	1,053	10.3	1,127	11.0
LOS ANGELES	271	2.9	305	3.3	230	2.4	352	3.7	505	5.3	582	6.1	727	7.6	972	10.1	1,040	10.9
LONG BEACH	10	2.2*	22	4.7	23	4.9	26	5.5	25	5.3	42	8.8	36	7.6	72	15.2	79	16.7
PASADENA	4	2.9*	1	0.7*	2	1.4*	6	4.3*	4	2.8*	6	4.2*	8	5.6*	9	6.2*	8	5.5*
MADERA	4	2.6*	1	0.7*	7	4.6*	5	3.2*	9	5.8*	7	4.5*	5	3.2*	12	7.6*	5	3.1*
MARIN	5	2.0*	4	1.6*	7	2.7*	10	3.8*	23	8.8	26	9.9	31	11.8	27	10.3	29	11.1
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	5.6*
MENDOCINO	1	1.1*	0	-	0	-	1	1.1*	4	4.5*	1	1.1*	1	1.1*	5	5.6*	3	3.4*
MERCED	8	3.1*	9	3.4*	39	14.7	0	-	7	2.6*	6	2.2*	9	3.3*	8	2.9*	7	2.5*
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	1	7.2*	0	-	0	-	1	7.2*	0	-	0	-	0	-
MONTEREY	34	8.1	18	4.2*	19	4.4	25	5.8	15	3.4*	28	6.4	13	2.9*	30	6.8	30	6.7
NAPA	4	2.9*	5	3.6*	4	2.9*	7	5.0*	11	7.8*	6	4.2*	12	8.5*	12	8.5*	12	8.6*
NEVADA	3	3.0*	2	2.0*	0	-	0	-	4	4.1*	2	2.0*	2	2.0*	1	1.0*	2	2.0*
ORANGE	64	2.1	66	2.1	69	2.2	84	2.7	66	2.1	74	2.3	92	2.9	184	5.7	180	5.6
PLACER	3	0.8*	4	1.1*	1	0.3*	5	1.4*	15	4.0*	16	4.2*	17	4.4*	11	2.8*	13	3.3*
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	1	5.3*	1	5.3*	0	-
RIVERSIDE	37	1.7	43	1.9	35	1.5	83	3.6	71	3.0	79	3.3	116	4.8	148	6.1	151	6.2
SACRAMENTO	15	1.0*	21	1.5	17	1.2*	17	1.2*	75	5.0	34	2.3	91	6.0	78	5.1	105	6.8
SAN BENITO	3	5.3*	1	1.8*	2	3.5*	2	3.4*	2	3.4*	0	-	4	6.6*	1	1.6*	7	11.1*
SAN BERNARDINO	17	0.8*	21	1.0	10	0.5*	24	1.1	48	2.3	45	2.1	72	3.3	102	4.7	80	3.6
SAN DIEGO	48	1.5	102	3.2	128	4.0	242	7.4	184	5.6	242	7.3	334	10.1	393	11.8	430	12.8
SAN FRANCISCO	109	13.3	142	17.0	115	13.6	287	33.6	219	25.3	101	11.6	183	20.8	283	31.9	254	28.6
SAN JOAQUIN	26	3.7	7	1.0*	13	1.8*	30	4.2	189	25.9	74	10.0	39	5.2	39	5.1	55	7.1
SAN LUIS OBISPO	4	1.5*	2	0.7*	4	1.5*	7	2.5*	9	3.3*	2	0.7*	8	2.9*	13	4.7*	7	2.5*
SAN MATEO	25	3.4	16	2.2*	14	1.9*	37	4.9	37	4.8	44	5.7	68	8.8	80	10.3	70	9.0
SANTA BARBARA	6	1.4*	19	4.4	15	3.4*	27	6.1	10	2.3*	17	3.8*	17	3.8*	11	2.4*	27	5.9
SANTA CLARA	39	2.1	70	3.8	50	2.7	81	4.3	225	11.7	78	4.0	153	7.9	240	12.3	164	8.4
SANTA CRUZ	9	3.4*	7	2.6*	10	3.7*	8	2.9*	10	3.6*	20	7.3	12	4.4*	27	9.8	53	19.3
SHASTA	0	-	0	-	1	0.6*	0	-	3	1.7*	2	1.1*	0	-	3	1.7*	1	0.6*
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	1	2.2*	0	-	0	-	0	-	0	-	0	-	1	2.3*	0	-	0	-
SOLANO	4	1.0*	6	1.4*	10	2.4*	12	2.8*	17	4.0*	41	9.5	31	7.1	30	6.8	54	12.2
SONOMA	9	1.8*	4	0.8*	33	6.7	11	2.2*	10	2.0*	12	2.4*	35	7.0	71	14.2	51	10.2
STANISLAUS	13	2.5*	8	1.5*	24	4.5	19	3.6	20	3.7	134	24.7	53	9.6	44	7.9	31	5.6
SUTTER	1	1.1*	0	-	2	2.1*	7	7.3*	5	5.2*	2	2.0*	1	1.0*	1	1.0*	1	1.0*
TEHAMA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.5*
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	8	1.8*	17	3.8*	17	3.7*	5	1.1*	20	4.3	10	2.1*	9	1.9*	5	1.1*	3	0.6*
TUOLUMNE	0	-	0	-	1	1.8*	1	1.9*	1	1.9*	0	-	3	5.7*	2	3.8*	0	-
VENTURA	12	1.4*	23	2.7	20	2.4	17	2.0*	23	2.7	31	3.6	57	6.7	67	7.8	57	6.7
YOLO	21	10.3	3	1.5*	3	1.4*	8	3.8*	15	7.0*	12	5.5*	7	3.2*	10	4.5*	17	7.6*
YUBA	0	-	0	-	2	2.7*	1	1.4*	2	2.7*	1	1.3*	0	-	0	-	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.

Shigellosis

Shigellosis, Cases by Month of Estimated Illness Onset, California, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	950	1,090	1,075	1,644	2,196	2,075	2,653	3,440	3,430
JANUARY	86	61	60	62	123	145	175	223	285
FEBRUARY	51	37	47	84	102	119	167	184	212
MARCH	50	51	52	55	119	113	149	176	254
APRIL	49	75	64	74	98	117	158	214	200
MAY	48	88	49	99	142	107	193	252	272
JUNE	71	75	107	85	144	160	186	258	265
JULY	75	118	144	142	189	216	254	374	379
AUGUST	144	169	143	190	214	272	320	409	377
SEPTEMBER	117	158	115	240	220	237	294	395	296
OCTOBER	132	101	136	207	436	226	302	329	358
NOVEMBER	73	86	80	167	247	195	247	376	275
DECEMBER	54	71	78	239	162	168	208	250	257

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

Shigellosis, Cases and Rates by Age Group, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	950	2.5	1,090	2.9	1,075	2.8	1,644	4.2	2,196	5.6	2,075	5.3	2,653	6.7	3,440	8.6	3,430	8.6
0	12	2.4*	13	2.6*	6	1.2*	8	1.6*	7	1.4*	9	1.8*	11	2.3*	15	3.2*	12	2.7*
1-4	159	7.9	141	7.0	157	7.8	162	8.1	197	9.8	181	9.1	208	10.5	226	11.5	212	11.1
5-9	122	4.8	153	6.0	162	6.3	178	6.9	192	7.4	201	7.8	190	7.4	186	7.3	171	6.7
10-14	43	1.7	48	1.9	52	2.1	61	2.4	86	3.4	84	3.3	95	3.7	112	4.3	99	3.8
15-24	95	1.7	96	1.7	95	1.6	155	2.7	236	4.0	211	3.6	264	4.5	334	5.7	322	5.5
25-34	143	2.7	163	3.0	159	2.9	254	4.7	405	7.5	381	7.1	484	9.0	710	13.1	668	12.3
35-44	116	2.2	151	2.9	141	2.7	248	4.8	309	6.0	269	5.3	362	7.0	529	10.1	533	10.1
45-54	146	2.8	144	2.7	143	2.7	277	5.3	369	7.1	314	6.1	448	8.7	550	10.8	542	10.8
55-64	62	1.5	85	2.0	87	2.0	168	3.7	241	5.2	243	5.2	309	6.5	429	8.8	509	10.4
65+	51	1.2	92	2.0	64	1.3	131	2.6	152	2.9	180	3.3	278	5.0	344	5.9	358	5.9
UNKNOWN	1	-	4	-	9	-	2	-	2	-	2	-	4	-	5	-	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.

Shigellosis, Cases by Race/Ethnicity, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	950	1,090	1,075	1,644	2,196	2,075	2,653	3,440	3,430
WHITE, NON-HISPANIC	278	354	311	575	731	785	968	1,214	1,143
HISPANIC	438	483	491	613	868	791	969	1,209	1,315
ASIAN/PACIFIC ISLANDER	26	47	39	86	86	77	151	219	201
BLACK, NON-HISPANIC	48	51	48	84	191	179	179	251	207
AMERICAN INDIAN/ALASKA NATIVE	3	5	6	3	8	4	10	8	6
MULTIPLE RACE	2	2	2	8	8	11	12	22	34
OTHER	7	5	8	13	19	60	145	164	174
UNKNOWN	148	143	170	262	285	168	219	353	350

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

Shigellosis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2011-2019
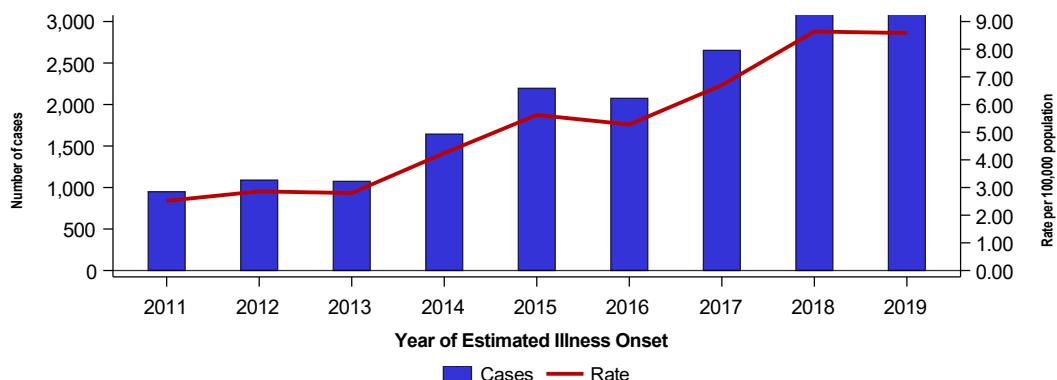
Shigellosis Incidence Rates by Age Group and Year of Estimated Illness Onset, California, 2011-2019
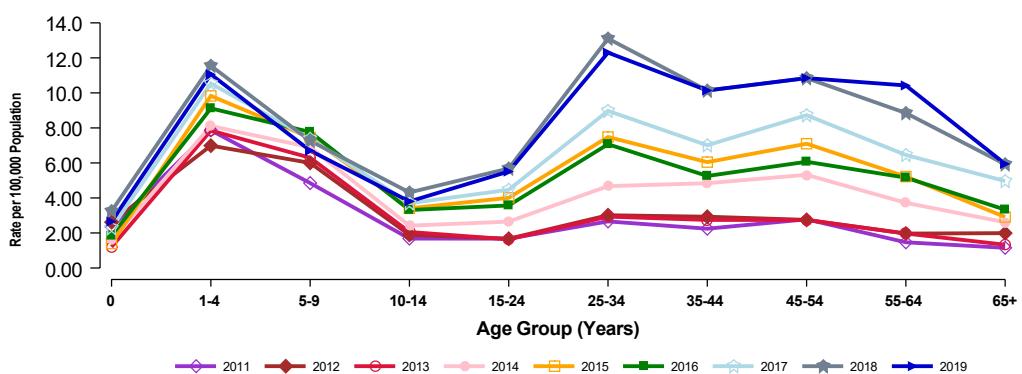
Shigellosis Cases and Population by Race/Ethnicity, California, 2011-2019
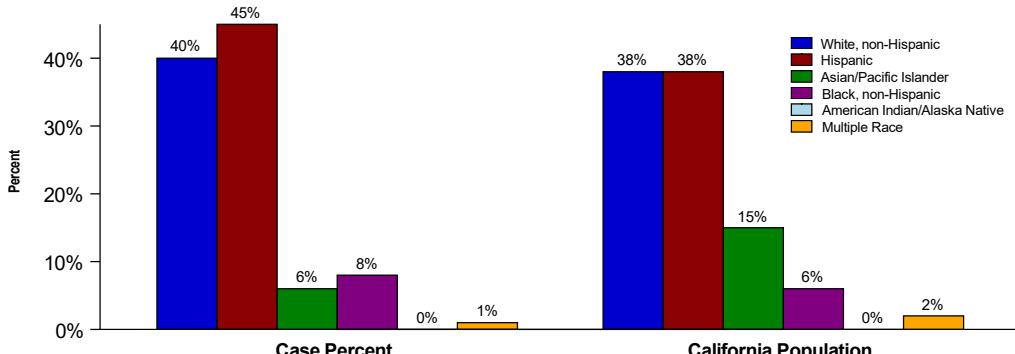
11.3% (n=2098) of reported incidents of Shigellosis did not identify race/ethnicity and 3.2% (n=595) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Spotted Fever Rickettsiosis

Spotted Fever Rickettsiosis, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
CALIFORNIA TOTAL	8	0.0*	22	0.1	17	0.0*	11	0.0*	11	0.0*	15	0.0*	15	0.0*	14	0.0*	16	0.0*
ALAMEDA COUNTY TOTAL	0	-	0	-	1	0.1*	1	0.1*	1	0.1*	4	0.2*	4	0.2*	1	0.1*	3	0.2*
ALAMEDA	0	-	0	-	1	0.1*	0	-	1	0.1*	3	0.2*	4	0.3*	0	-	1	0.1*
BERKELEY	0	-	0	-	0	-	1	0.8*	0	-	1	0.8*	0	-	1	0.8*	2	1.6*
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	1	2.7*	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*	3	0.3*	0	-	0	-	0	-	1	0.1*	0	-	1	0.1*	1	0.1*
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	1	0.5*	0	-	0	-	0	-
FRESNO	0	-	1	0.1*	0	-	0	-	1	0.1*	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	-	2	1.1*	1	0.5*	0	-	0	-	1	0.5*	0	-
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	0	-	0	-	0	-	0	-	1	0.1*	1	0.1*	0	-	0	-	0	-
KINGS	0	-	2	1.3*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	3	4.6*	1	1.5*	0	-	1	1.5*	0	-	0	-	0	-	0	-	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	1	0.0*	0	-	2	0.0*	1	0.0*	0	-	2	0.0*	4	0.0*	1	0.0*	1	0.0*
LOS ANGELES	1	0.0*	0	-	2	0.0*	0	-	0	-	1	0.0*	3	0.0*	1	0.0*	1	0.0*
LONG BEACH	0	-	0	-	0	-	1	0.2*	0	-	0	-	1	0.2*	0	-	0	-
PASADENA	0	-	0	-	0	-	0	-	0	-	1	0.7*	0	-	0	-	0	-
MADERA	0	-	1	0.7*	0	-	0	-	1	0.6*	0	-	0	-	1	0.6*	0	-
MARIN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	1.1*
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*	2	0.5*	1	0.2*	1	0.2*	0	-	0	-	0	-	0	-	1	0.2*
NAPA	0	-	1	0.7*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	0	-	1	0.0*	0	-	1	0.0*	2	0.1*	0	-	0	-	0	-	2	0.1*
PLACER	0	-	2	0.6*	0	-	0	-	0	-	1	0.3*	0	-	1	0.3*	1	0.3*
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	1	0.0*	0	-	1	0.0*	1	0.0*	0	-	0	-	2	0.1*	2	0.1*	0	-
SACRAMENTO	0	-	1	0.1*	0	-	0	-	0	-	1	0.1*	0	-	0	-	0	-
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	0	-	0	-	0	-	0	-	1	0.0*	0	-	1	0.0*	1	0.0*	2	0.1*
SAN DIEGO	0	-	1	0.0*	4	0.1*	2	0.1*	2	0.1*	2	0.1*	3	0.1*	1	0.0*	1	0.0*
SAN FRANCISCO	0	-	0	-	3	0.4*	0	-	0	-	0	-	1	0.1*	2	0.2*	0	-
SAN JOAQUIN	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-	0	-	0	-
SAN LUIS OBISPO	0	-	0	-	0	-	1	0.4*	0	-	0	-	0	-	0	-	1	0.4*
SAN MATEO	0	-	2	0.3*	1	0.1*	0	-	1	0.1*	0	-	0	-	0	-	0	-
SANTA BARBARA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CLARA	1	0.1*	1	0.1*	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-
SANTA CRUZ	0	-	1	0.4*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SHASTA	0	-	0	-	1	0.6*	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	-	0	-	0	-	1	0.2*
SONOMA	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-	0	-
STANISLAUS	0	-	1	0.2*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SUTTER	0	-	0	-	1	1.0*	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	-	0	-	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.

Spotted Fever Rickettsiosis

Spotted Fever Rickettsiosis, Cases by Month of Estimated Illness Onset, California, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	8	22	17	11	11	15	15	14	16
JANUARY	0	2	0	1	0	2	2	0	0
FEBRUARY	0	2	1	0	0	1	1	0	1
MARCH	0	0	0	0	2	0	0	2	0
APRIL	1	1	1	0	1	0	1	2	2
MAY	1	1	0	3	2	1	2	3	1
JUNE	0	4	4	1	2	0	1	1	1
JULY	2	4	1	3	1	2	1	3	3
AUGUST	2	3	7	1	1	4	0	0	1
SEPTEMBER	1	1	1	1	1	1	3	2	2
OCTOBER	0	3	1	0	0	4	1	1	3
NOVEMBER	0	0	1	1	0	0	2	0	1
DECEMBER	1	1	0	0	1	0	1	0	1

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

Spotted Fever Rickettsiosis, Cases and Rates by Age Group, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

AGE GROUP	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
TOTAL	8	0.0*	22	0.1	17	0.0*	11	0.0*	11	0.0*	15	0.0*	15	0.0*	14	0.0*	16	0.0*
0	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
1-4	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
5-9	2	0.1*	4	0.2*	0	-	0	-	0	-	0	-	0	-	0	-	2	0.1*
10-14	1	0.0*	4	0.2*	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-
15-24	2	0.0*	1	0.0*	1	0.0*	1	0.0*	4	0.1*	1	0.0*	0	-	2	0.0*	0	-
25-34	0	-	2	0.0*	2	0.0*	1	0.0*	3	0.1*	4	0.1*	3	0.1*	3	0.1*	1	0.0*
35-44	0	-	2	0.0*	2	0.0*	2	0.0*	1	0.0*	2	0.0*	3	0.1*	1	0.0*	1	0.0*
45-54	1	0.0*	2	0.0*	4	0.1*	1	0.0*	1	0.0*	2	0.0*	1	0.0*	1	0.0*	1	0.0*
55-64	1	0.0*	2	0.0*	7	0.2*	2	0.0*	1	0.0*	3	0.1*	2	0.0*	5	0.1*	3	0.1*
65+	1	0.0*	4	0.1*	1	0.0*	4	0.1*	1	0.0*	3	0.1*	5	0.1*	2	0.0*	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.

Spotted Fever Rickettsiosis, Cases by Race/Ethnicity, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	8	22	17	11	11	15	15	14	16
WHITE, NON-HISPANIC	6	11	6	3	4	6	4	3	7
HISPANIC	0	2	5	5	4	0	5	3	3
ASIAN/PACIFIC ISLANDER	0	0	1	0	0	2	1	0	2
BLACK, NON-HISPANIC	0	0	1	1	0	0	1	1	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	0	0	0
OTHER	0	1	0	0	0	1	1	1	0
UNKNOWN	2	8	4	2	3	6	3	6	4

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

Spotted Fever Rickettsiosis Cases by Year of Estimated Illness Onset, California, 2011-2019
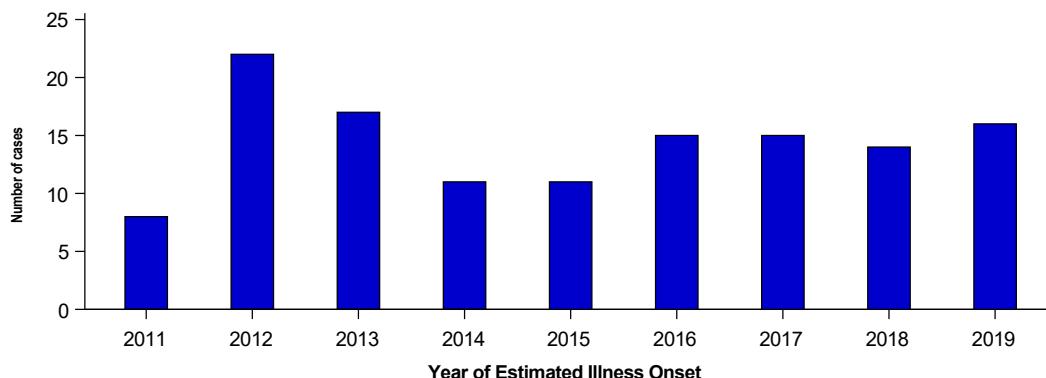
Spotted Fever Rickettsiosis Cases and Population by Race/Ethnicity, California, 2011-2019
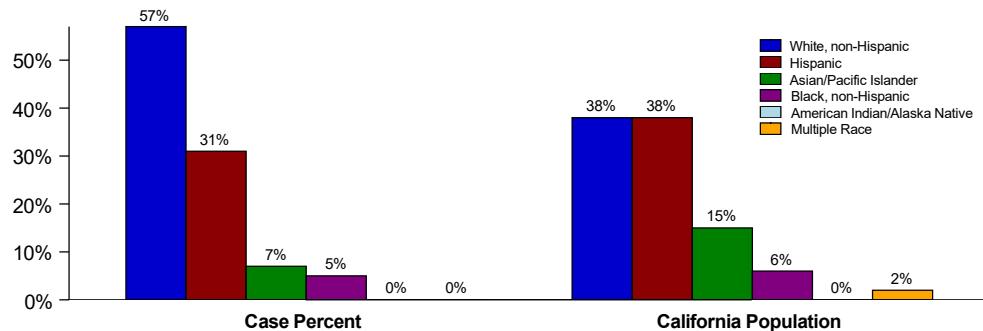
29.5% (n=38) of reported incidents of Spotted Fever Rickettsiosis did not identify race/ethnicity and 3.1% (n=4) of incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Please refer to Pages 4-8 for Technical Notes. Data are as of May 1, 2020.

Center for Infectious Diseases - Division of Communicable Disease Control - Infectious Diseases Branch - Surveillance and Statistics Section, July 2020   135

Streptococcal Infection (cases in food and dairy workers)

Streptococcal Infection (cases in food and dairy workers), Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
CALIFORNIA TOTAL	5	0.0*	12	0.0*	5	0.0*	4	0.0*	22	0.1	47	0.1	22	0.1	43	0.1	51	-
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	6	0.4*	4	-
ALAMEDA	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	6	0.4*	4	-
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	-	1	0.4*	0	-
CALAVERAS	0	-	0	-	0	-	0	-	0	-	0	-	1	2.2*	1	2.2*	1	-
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	-	1	0.1*	0	-	1	0.1*	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	1	3.5*	1	3.5*	0	-	2	-
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	-	1	-
LAKE	0	-	0	-	0	-	0	-	0	-	1	1.6*	0	-	4	6.2*	0	-
LASSEN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	1	0.0*	2	0.0*	0	-	0	-	5	0.0*	6	0.1*	5	0.0*	7	0.1*	3	-
LOS ANGELES	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	2	0.0*	1	-
LONG BEACH	1	0.2*	1	0.2*	0	-	0	-	1	0.2*	6	1.3*	0	-	2	0.4*	0	-
PASADENA	0	-	0	-	0	-	0	-	4	2.8*	0	-	5	3.5*	3	2.1*	2	-
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	-	1	5.6*	0	-
MENDOCINO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	2	2.3*	11	-
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	-	1	-
NEVADA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	0	-	0	-	0	-	0	-	0	-	1	0.0*	2	0.1*	0	-	0	-
PLACER	0	-	0	-	0	-	0	-	1	0.3*	0	-	0	-	1	0.3*	2	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	3	0.1*	6	-
SACRAMENTO	1	0.1*	0	-	0	-	0	-	2	0.1*	2	0.1*	0	-	2	0.1*	1	-
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	0	-	0	-	0	-	0	-	0	-	4	0.2*	5	0.2*	10	0.5*	16	-
SAN DIEGO	0	-	0	-	0	-	1	0.0*	13	0.4*	24	0.7	0	-	1	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	-	3	1.1*	1	0.4*	0	-
SAN MATEO	0	-	2	0.3*	0	-	1	0.1*	1	0.1*	6	0.8*	0	-	0	-	1	-
SANTA BARBARA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CLARA	0	-	6	0.3*	5	0.3*	0	-	0	-	0	-	0	-	1	0.1*	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	-	1	0.2*	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	-	1	1.6*	0	-	0	-	1	1.6*	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*	0	-	1	-
TUOLUMNE	0	-	0	-	0	-	1	1.9*	0	-	0	-	0	-	0	-	0	-
VENTURA	3	0.4*	2	0.2*	0	-	0	-	0	-	0	-	0	-	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.
Note: Required reporting of Streptococcal Infection (cases in food and dairy workers) ended on September 30, 2019.

Streptococcal Infection (cases in food and dairy workers)

Streptococcal Infection (cases in food and dairy workers), Cases by Month of Estimated Illness Onset, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET								
MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	5	12	5	4	22	47	22	43	51
JANUARY	0	1	0	0	3	5	1	3	13
FEBRUARY	0	0	2	0	1	13	0	2	5
MARCH	1	1	1	1	2	11	0	5	8
APRIL	1	1	1	0	0	4	2	4	4
MAY	0	3	1	0	0	2	3	4	7
JUNE	0	2	0	0	0	1	1	2	2
JULY	0	0	0	1	1	0	1	2	2
AUGUST	0	0	0	0	1	3	3	2	5
SEPTEMBER	1	0	0	1	0	0	1	4	5
OCTOBER	0	1	0	1	3	0	3	5	0
NOVEMBER	1	1	0	0	5	0	3	3	0
DECEMBER	1	2	0	0	6	8	4	7	0

For inclusion/exclusion criteria, please refer to the Technical Notes.
Note: Required reporting of Streptococcal Infection (cases in food and dairy workers) ended on September 30, 2019.

Streptococcal Infection (cases in food and dairy workers), Cases and Rates by Age Group, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET																	
	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	5	0.0*	12	0.0*	5	0.0*	4	0.0*	22	0.1	47	0.1	22	0.1	43	0.1	51	-
0	0	-	0	-	0	-	0	-	1	0.2*	2	0.4*	0	-	0	-	1	-
1-4	0	-	0	-	0	-	0	-	1	0.0*	3	0.2*	0	-	0	-	0	-
5-9	1	0.0*	1	0.0*	0	-	0	-	2	0.1*	0	-	1	0.0*	0	-	1	-
10-14	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-	2	0.1*	1	-
15-24	1	0.0*	3	0.1*	2	0.0*	0	-	1	0.0*	8	0.1*	4	0.1*	5	0.1*	3	-
25-34	1	0.0*	3	0.1*	3	0.1*	2	0.0*	2	0.0*	5	0.1*	2	0.0*	6	0.1*	5	-
35-44	0	-	2	0.0*	0	-	0	-	1	0.0*	5	0.1*	4	0.1*	6	0.1*	7	-
45-54	2	0.0*	1	0.0*	0	-	0	-	7	0.1*	5	0.1*	3	0.1*	6	0.1*	11	-
55-64	0	-	0	-	0	-	0	-	0	-	8	0.2*	3	0.1*	11	0.2*	9	-
65+	0	-	1	0.0*	0	-	2	0.0*	6	0.1*	11	0.2*	5	0.1*	6	0.1*	13	-
UNKNOWN	0	-	1	-	0	-	0	-	0	-	0	-	0	-	1	-	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 Streptococcal Infection (cases in food and dairy workers) ended on September 30, 2019.

Streptococcal Infection (cases in food and dairy workers), Cases by Race/Ethnicity, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET								
RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	5	12	5	4	22	47	22	43	51
WHITE, NON-HISPANIC	1	3	1	3	3	8	10	17	21
HISPANIC	1	5	4	0	2	4	4	7	11
ASIAN/PACIFIC ISLANDER	0	0	0	0	2	2	1	2	0
BLACK, NON-HISPANIC	0	0	0	0	2	2	1	1	1
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	1	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	1	0	0
OTHER	0	1	0	0	1	3	3	4	7
UNKNOWN	3	3	0	1	12	27	2	12	11

For inclusion/exclusion criteria, please refer to the Technical Notes.
Note: Required reporting of Streptococcal Infection (cases in food and dairy workers) ended on September 30, 2019.

Trichinosis

Trichinosis, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
CALIFORNIA TOTAL	1	0.0*	0	-	2	0.0*	3	0.0*	0	-	8	0.0*	8	0.0*	0	-	0	-
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	0	-	0	-	8	0.5*	3	0.2*	0	-	0	-
ALAMEDA	0	-	0	-	0	-	0	-	0	-	8	0.5*	2	0.1*	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	-	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	-	1	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	-	1	0.1*	0	-	0	-	5	0.3*	0	-	0	-
SAN BENITO	1	1.8*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	0	-	0	-	0	-	1	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	-	2	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	-	1	0.2*	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	-	1	7.3*	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, 2011-2019

				YEAR OF ESTIMATED ILLNESS ONSET					
MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	1	0	2	3	0	8	8	0	0
JANUARY	0	0	0	0	0	0	3	0	0
FEBRUARY	0	0	0	0	0	0	0	0	0
MARCH	0	0	0	0	0	0	1	0	0
APRIL	0	0	0	0	0	0	3	0	0
MAY	0	0	0	2	0	0	1	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	1	0	0	1	0	0	0	0	0
NOVEMBER	0	0	2	0	0	0	0	0	0
DECEMBER	0	0	0	0	0	8	0	0	0

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

Trichinosis, Cases and Rates by Age Group, California, 2011-2019

									YEAR OF ESTIMATED ILLNESS ONSET								
	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	1	0.0*	0	-	2	0.0*	3	0.0*	0	-	8	0.0*	8	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	-	1	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	1	0.0*	0	-	0	-	1	0.0*	0	-	0	-	3	0.1*	0	-	0	-
35-44	0	-	0	-	0	-	0	-	0	-	1	0.0*	1	0.0*	0	-	0	-
45-54	0	-	0	-	1	0.0*	1	0.0*	0	-	1	0.0*	1	0.0*	0	-	0	-
55-64	0	-	0	-	0	-	1	0.0*	0	-	6	0.1*	1	0.0*	0	-	0	-
65+	0	-	0	-	0	-	0	-	0	-	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.

Trichinosis, Cases by Race/Ethnicity, California, 2011-2019

				YEAR OF ESTIMATED ILLNESS ONSET					
RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	1	0	2	3	0	8	8	0	0
WHITE, NON-HISPANIC	1	0	0	1	0	0	3	0	0
HISPANIC	0	0	0	0	0	0	1	0	0
ASIAN/PACIFIC ISLANDER	0	0	0	2	0	8	2	0	0
BLACK, NON-HISPANIC	0	0	0	0	0	0	0	0	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	1	0	0
OTHER	0	0	0	0	0	0	0	0	0
UNKNOWN	0	0	2	0	0	0	1	0	0

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

Trichinosis Cases by Year of Estimated Illness Onset, California, 2011-2019

Tularemia

Tularemia, Cases and Rates by Health Jurisdiction, California, 2011-2019

YEAR OF ESTIMATED ILLNESS ONSET

JURISDICTION	2011 CASES	RATE	2012 CASES	RATE	2013 CASES	RATE	2014 CASES	RATE	2015 CASES	RATE	2016 CASES	RATE	2017 CASES	RATE	2018 CASES	RATE	2019 CASES	RATE
CALIFORNIA TOTAL	6	0.0*	2	0.0*	2	0.0*	0	-	2	0.0*	2	0.0*	5	0.0*	4	0.0*	4	0.0*
ALAMEDA COUNTY TOTAL	1	0.1*	0	-	0	-	0	-	0	-	1	0.1*	1	0.1*	0	-	1	0.1*
ALAMEDA	1	0.1*	0	-	0	-	0	-	0	-	1	0.1*	1	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	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	-	1	0.5*	0	-	0	-	0	-	0	-
FRESNO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	3.5*	0	-
HUMBOLDT	0	-	0	-	0	-	0	-	0	-	0	-	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	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KINGS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	1	1.6*	1	1.5*	1	1.5*	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*	0	-
LOS ANGELES	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	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	-	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	-	1	0.2*
NAPA	1	0.7*	0	-	1	0.7*	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	2	0.1*	0	-	0	-	0	-	0	-	0	-	1	0.1*	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	-	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	1	0.1*	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	-	1	0.4*
SHASTA	0	-	0	-	1	0.6*	0	-	0	-	0	-	0	-	0	-	0	-
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	1	2.2*	0	-	0	-	0	-	0	-	0	-	0	-	1	2.3*
SOLANO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SONOMA	0	-	0	-	0	-	0	-	1	0.2*	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	-	1	0.2*	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, 2011-2019

MONTH	YEAR OF ESTIMATED ILLNESS ONSET
	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	6	2	2	0	2	2	5	4	4
JANUARY	0	0	0	0	0	0	0	1	0
FEBRUARY	1	0	1	0	0	0	0	0	0
MARCH	0	0	0	0	0	0	1	0	0
APRIL	0	0	0	0	0	0	0	1	0
MAY	1	0	0	0	0	0	0	1	2
JUNE	1	1	0	0	0	1	0	0	1
JULY	1	0	1	0	0	0	2	1	1
AUGUST	0	0	0	0	2	0	1	0	0
SEPTEMBER	0	0	0	0	0	0	0	0	0
OCTOBER	1	0	0	0	0	0	0	0	0
NOVEMBER	1	0	0	0	0	0	0	0	0
DECEMBER	0	1	0	0	0	1	1	0	0

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

Tularemia, Cases and Rates by Age Group, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET
	\multicolumn{2}{c}{2011}	\multicolumn{2}{c}{2012}	\multicolumn{2}{c}{2013}	\multicolumn{2}{c}{2014}	\multicolumn{2}{c}{2015}	\multicolumn{2}{c}{2016}	\multicolumn{2}{c}{2017}	\multicolumn{2}{c}{2018}	\multicolumn{2}{c}{2019}
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	6	0.0*	2	0.0*	2	0.0*	0	-	2	0.0*	2	0.0*	5	0.0*	4	0.0*	4	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	-	1	0.0*	0	-	0	-	1	0.0*	0	-	1	0.0*	2	0.1*
10-14	2	0.1*	0	-	0	-	0	-	0	-	0	-	1	0.0*	1	0.0*	0	-
15-24	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	0	-
25-34	1	0.0*	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
35-44	0	-	1	0.0*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
45-54	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-	2	0.0*
55-64	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.0*	0	-
65+	2	0.0*	0	-	1	0.0*	0	-	2	0.0*	1	0.0*	2	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.

Tularemia, Cases by Race/Ethnicity, California, 2011-2019

RACE/ETHNICITY	YEAR OF ESTIMATED ILLNESS ONSET
	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	6	2	2	0	2	2	5	4	4
WHITE, NON-HISPANIC	3	1	2	0	2	0	1	3	1
HISPANIC	1	1	0	0	0	0	2	0	2
ASIAN/PACIFIC ISLANDER	2	0	0	0	0	0	0	0	0
BLACK, NON-HISPANIC	0	0	0	0	0	1	0	0	0
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	0	0	0	0
MULTIPLE RACE	0	0	0	0	0	0	0	0	1
OTHER	0	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	1	2	1	0

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

Tularemia Cases by Year of Estimated Illness Onset, California, 2011-2019
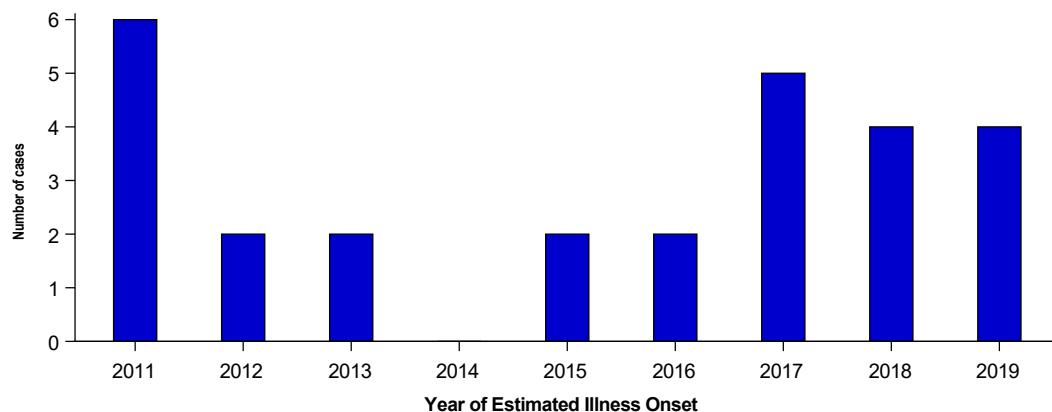
Please refer to Pages 4-8 for Technical Notes. Data are as of May 1, 2020.

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Typhoid Fever

Typhoid Fever, Cases and Rates by Health Jurisdiction, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	74	0.2	58	0.2	67	0.2	72	0.2	59	0.2	61	0.2	77	0.2	78	0.2	100	0.3
ALAMEDA COUNTY TOTAL	7	0.5*	8	0.5*	8	0.5*	12	0.7*	8	0.5*	9	0.5*	12	0.7*	6	0.4*	9	0.5*
ALAMEDA	6	0.4*	8	0.6*	7	0.5*	11	0.7*	7	0.5*	9	0.6*	11	0.7*	5	0.3*	9	0.6*
BERKELEY	1	0.9*	0	-	1	0.9*	1	0.8*	1	0.8*	0	-	1	0.8*	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*	7	0.6*	5	0.5*	5	0.5*	2	0.2*	5	0.4*	0	-	8	0.7*	7	0.6*
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
FRESNO	3	0.3*	0	-	1	0.1*	0	-	1	0.1*	0	-	1	0.1*	6	0.6*	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	-	1	0.5*
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	1	0.1*	0	-	3	0.3*	0	-	0	-	0	-	2	0.2*	1	0.1*	1	0.1*
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	17	0.2*	6	0.1*	17	0.2*	18	0.2*	13	0.1*	11	0.1*	9	0.1*	13	0.1*	27	0.3
LOS ANGELES	16	0.2*	6	0.1*	17	0.2*	15	0.2*	13	0.1*	11	0.1*	8	0.1*	13	0.1*	26	0.3
LONG BEACH	1	0.2*	0	-	0	-	3	0.6*	0	-	0	-	0	-	0	-	1	0.2*
PASADENA	0	-	0	-	0	-	0	-	0	-	0	-	1	0.7*	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	1	0.6*	2	1.3*	0	-	0	-
MARIN	0	-	0	-	0	-	1	0.4*	0	-	0	-	1	0.4*	0	-	0	-
MARIPOSA	0	-	0	-	0	-	0	-	0	-	1	5.5*	0	-	0	-	0	-
MENDOCINO	1	1.1*	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	-	1	0.2*	0	-	0	-	0	-	0	-	0	-	0	-	1	0.2*
NAPA	0	-	0	-	0	-	0	-	0	-	1	0.7*	0	-	0	-	0	-
NEVADA	0	-	0	-	1	1.0*	0	-	0	-	0	-	0	-	0	-	0	-
ORANGE	4	0.1*	7	0.2*	3	0.1*	3	0.1*	3	0.1*	4	0.1*	7	0.2*	3	0.1*	7	0.2*
PLACER	0	-	1	0.3*	0	-	0	-	1	0.3*	0	-	0	-	1	0.3*	0	-
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	1	0.0*	0	-	0	-	1	0.0*	0	-	1	0.0*	3	0.1*	1	0.0*
SACRAMENTO	5	0.3*	1	0.1*	7	0.5*	2	0.1*	1	0.1*	2	0.1*	4	0.3*	6	0.4*	5	0.3*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN BERNARDINO	1	0.0*	0	-	1	0.0*	2	0.1*	1	0.0*	1	0.0*	2	0.1*	2	0.1*	2	0.1*
SAN DIEGO	4	0.1*	4	0.1*	3	0.1*	3	0.1*	5	0.2*	5	0.2*	2	0.1*	4	0.1*	5	0.1*
SAN FRANCISCO	3	0.4*	1	0.1*	0	-	0	-	1	0.1*	3	0.3*	3	0.3*	3	0.3*	4	0.4*
SAN JOAQUIN	0	-	1	0.1*	1	0.1*	1	0.1*	2	0.3*	2	0.3*	4	0.5*	7	0.9*	0	-
SAN LUIS OBISPO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.4*	0	-
SAN MATEO	2	0.3*	2	0.3*	1	0.1*	1	0.1*	2	0.3*	2	0.3*	1	0.1*	1	0.1*	5	0.6*
SANTA BARBARA	0	-	0	-	0	-	1	0.2*	2	0.5*	0	-	0	-	0	-	0	-
SANTA CLARA	15	0.8*	15	0.8*	15	0.8*	17	0.9*	15	0.8*	9	0.5*	18	0.9*	12	0.6*	19	1.0
SANTA CRUZ	1	0.4*	0	-	0	-	0	-	1	0.4*	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	-	2	0.5*	0	-	1	0.2*	1	0.2*	0	-	1	0.2*
SONOMA	1	0.2*	1	0.2*	0	-	0	-	0	-	1	0.2*	1	0.2*	0	-	1	0.2*
STANISLAUS	2	0.4*	0	-	0	-	0	-	0	-	1	0.2*	0	-	0	-	2	0.4*
SUTTER	1	1.1*	0	-	0	-	3	3.1*	0	-	2	2.0*	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	0	-	0	-	0	-	1	0.2*	0	-	0	-	1	0.2*	0	-	0	-
TUOLUMNE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
VENTURA	1	0.1*	0	-	1	0.1*	0	-	0	-	0	-	4	0.5*	1	0.1*	0	-
YOLO	0	-	1	0.5*	0	-	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.

Typhoid Fever

Typhoid Fever, Cases by Month of Estimated Illness Onset, California, 2011-2019

					YEAR OF ESTIMATED ILLNESS ONSET				
MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	74	58	67	72	59	61	77	78	100
JANUARY	9	7	6	8	6	11	13	5	14
FEBRUARY	8	5	3	5	7	2	5	1	15
MARCH	5	2	9	6	1	5	4	5	4
APRIL	12	5	6	3	4	4	5	15	8
MAY	6	5	6	9	6	9	2	8	6
JUNE	5	5	10	3	3	6	8	4	13
JULY	4	4	7	17	5	8	9	11	11
AUGUST	8	3	7	9	9	3	8	8	14
SEPTEMBER	7	6	4	5	1	4	9	7	6
OCTOBER	1	3	3	4	6	2	1	2	3
NOVEMBER	6	5	5	1	2	1	7	5	2
DECEMBER	3	8	1	2	9	6	6	7	4

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

Typhoid Fever, Cases and Rates by Age Group, California, 2011-2019

											YEAR OF ESTIMATED ILLNESS ONSET							
	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	74	0.2	58	0.2	67	0.2	72	0.2	59	0.2	61	0.2	77	0.2	78	0.2	100	0.3
0	1	0.2*	1	0.2*	1	0.2*	0	-	0	-	0	-	0	-	1	0.2*	3	0.7*
1-4	7	0.3*	3	0.1*	10	0.5*	7	0.4*	5	0.2*	4	0.2*	13	0.7*	5	0.3*	5	0.3*
5-9	9	0.4*	4	0.2*	5	0.2*	14	0.5*	6	0.2*	6	0.2*	6	0.2*	5	0.2*	13	0.5*
10-14	9	0.4*	4	0.2*	6	0.2*	5	0.2*	5	0.2*	2	0.1*	5	0.2*	7	0.3*	11	0.4*
15-24	9	0.2*	9	0.2*	9	0.2*	9	0.2*	9	0.2*	6	0.1*	9	0.2*	16	0.3*	19	0.3
25-34	17	0.3*	13	0.2*	16	0.3*	19	0.3	16	0.3*	16	0.3*	16	0.3*	11	0.2*	24	0.4
35-44	7	0.1*	14	0.3*	7	0.1*	6	0.1*	9	0.2*	8	0.2*	8	0.2*	16	0.3*	9	0.2*
45-54	8	0.2*	4	0.1*	6	0.1*	5	0.1*	5	0.1*	12	0.2*	8	0.2*	9	0.2*	7	0.1*
55-64	5	0.1*	3	0.1*	4	0.1*	3	0.1*	1	0.0*	6	0.1*	7	0.1*	4	0.1*	6	0.1*
65+	2	0.0*	2	0.0*	3	0.1*	4	0.1*	2	0.0*	1	0.0*	5	0.1*	4	0.1*	3	0.0*
UNKNOWN	0	-	1	-	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.

Typhoid Fever, Cases by Race/Ethnicity, California, 2011-2019

					YEAR OF ESTIMATED ILLNESS ONSET				
RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	74	58	67	72	59	61	77	78	100
WHITE, NON-HISPANIC	0	3	2	3	3	3	6	3	6
HISPANIC	11	7	7	11	11	9	6	11	31
ASIAN/PACIFIC ISLANDER	44	46	51	49	40	39	49	47	45
BLACK, NON-HISPANIC	2	1	1	0	0	2	0	1	1
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	0	1	0	0	0
MULTIPLE RACE	0	0	0	0	2	1	4	2	1
OTHER	3	0	1	5	1	5	4	10	9
UNKNOWN	14	1	5	4	2	1	8	4	7

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

Typhoid Fever Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2011-2019
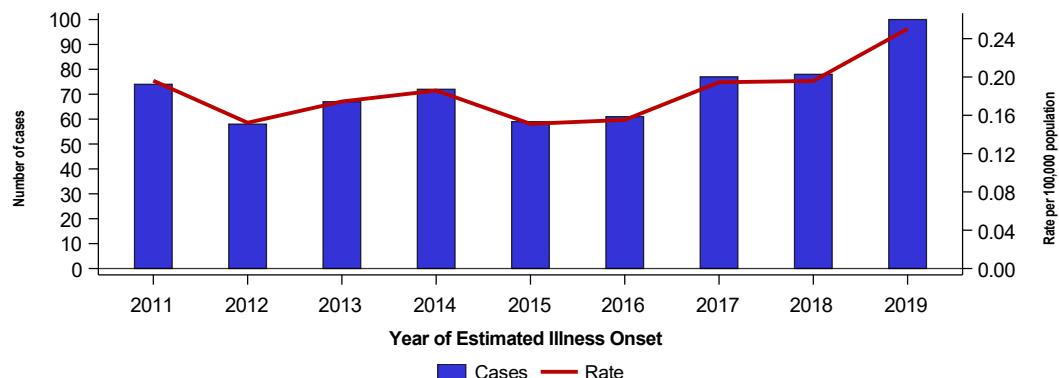
Typhoid Fever Average Incidence Rates by Age Group, California, 2011-2019
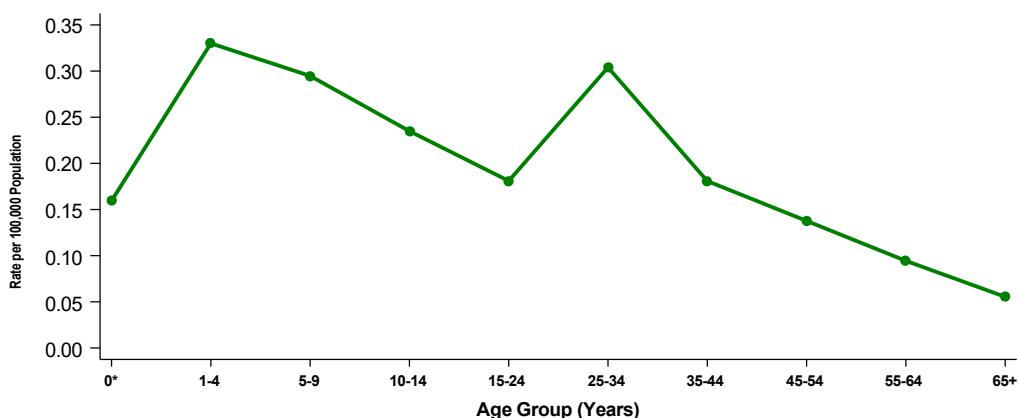
*Potentially unreliable rate: relative standard error 23 percent or more.

Typhoid Fever Cases and Population by Race/Ethnicity, California, 2011-2019
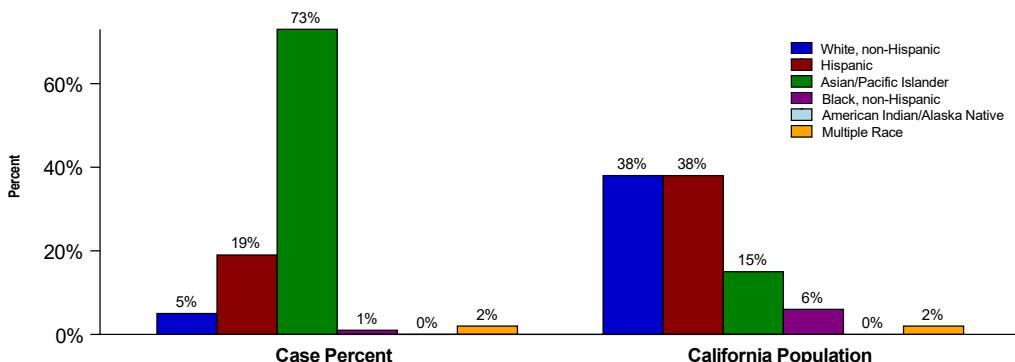
7.1% (n=46) of reported incidents of Typhoid Fever did not identify race/ethnicity and 5.9% (n=38) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Typhus Fever

Typhus Fever, Cases and Rates by Health Jurisdiction, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	50	0.1	78	0.2	108	0.3	68	0.2	81	0.2	95	0.2	98	0.2	163	0.4	139	0.3
ALAMEDA COUNTY TOTAL	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-	0	-
ALAMEDA	0	-	0	-	0	-	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	-	1	0.1*	1	0.1*	0	-	0	-	0	-	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	-	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	-	0	-	0	-	1	0.1*	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	38	0.4	48	0.5	72	0.7	50	0.5	63	0.6	76	0.7	83	0.8	142	1.4	114	1.1
LOS ANGELES	34	0.4	46	0.5	63	0.7	41	0.4	51	0.5	45	0.5	65	0.7	104	1.1	93	1.0
LONG BEACH	1	0.2*	2	0.4*	6	1.3*	5	1.1*	7	1.5*	18	3.8*	10	2.1*	19	4.0	15	3.2*
PASADENA	3	2.2*	0	-	3	2.1*	4	2.8*	5	3.5*	13	9.2*	8	5.6*	19	13.2	6	4.1*
MADERA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MARIN	0	-	0	-	0	-	0	-	1	0.4*	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	12	0.4*	28	0.9	33	1.1	16	0.5*	15	0.5*	17	0.5*	11	0.3*	18	0.6*	18	0.6*
PLACER	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.3*
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
RIVERSIDE	0	-	0	-	0	-	0	-	0	-	1	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	-	1	0.0*	0	-	0	-	1	0.0*	0	-	1	0.0*	1	0.0*
SAN DIEGO	0	-	0	-	0	-	0	-	1	0.0*	0	-	2	0.1*	1	0.0*	1	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	-	1	0.4*	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SAN MATEO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	0.1*	0	-
SANTA BARBARA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SANTA CLARA	0	-	1	0.1*	0	-	0	-	0	-	0	-	1	0.1*	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	-	0	-	0	-	1	0.1*	0	-	0	-	0	-	0	-	2	0.2*
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, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET								
MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	50	78	108	68	81	95	98	163	139
JANUARY	3	5	7	3	6	2	2	3	6
FEBRUARY	0	1	3	4	2	4	4	5	4
MARCH	2	0	0	5	4	1	2	2	6
APRIL	0	2	0	5	5	2	4	9	3
MAY	0	15	10	8	8	4	16	14	9
JUNE	3	9	13	6	16	13	11	15	20
JULY	7	10	13	5	11	14	11	27	16
AUGUST	7	9	18	12	10	12	13	24	23
SEPTEMBER	4	14	13	6	4	15	7	21	12
OCTOBER	9	5	16	5	9	10	12	18	15
NOVEMBER	10	5	9	4	5	9	5	14	18
DECEMBER	5	3	6	5	1	9	11	11	7

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

Typhus Fever, Cases and Rates by Age Group, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET																	
	2011		2012		2013		2014		2015		2016		2017		2018		2019	
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	50	0.1	78	0.2	108	0.3	68	0.2	81	0.2	95	0.2	98	0.2	163	0.4	139	0.3
0	0	-	0	-	1	0.2*	0	-	0	-	0	-	0	-	0	-	3	0.7*
1-4	0	-	0	-	2	0.1*	1	0.1*	1	0.0*	1	0.1*	2	0.1*	2	0.1*	0	-
5-9	2	0.1*	5	0.2*	0	-	1	0.0*	1	0.0*	5	0.2*	4	0.2*	7	0.3*	3	0.1*
10-14	1	0.0*	5	0.2*	5	0.2*	1	0.0*	3	0.1*	6	0.2*	4	0.2*	8	0.3*	5	0.2*
15-24	5	0.1*	10	0.2*	12	0.2*	12	0.2*	6	0.1*	13	0.2*	16	0.3*	14	0.2*	22	0.4
25-34	8	0.1*	10	0.2*	12	0.2*	6	0.1*	9	0.2*	14	0.3*	13	0.2*	25	0.5	15	0.3*
35-44	7	0.1*	20	0.4	17	0.3*	12	0.2*	19	0.4	19	0.4	14	0.3*	25	0.5	22	0.4
45-54	12	0.2*	15	0.3*	23	0.4	13	0.2*	20	0.4	14	0.3*	21	0.4	35	0.7	20	0.4
55-64	10	0.2*	5	0.1*	23	0.5	10	0.2*	13	0.3*	10	0.2*	15	0.3*	22	0.5	32	0.7
65+	5	0.1*	8	0.2*	13	0.3*	12	0.2*	6	0.1*	13	0.2*	9	0.2*	25	0.4	16	0.3*
UNKNOWN	0	-	0	-	0	-	0	-	3	-	0	-	0	-	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.

Typhus Fever, Cases by Race/Ethnicity, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET								
RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
TOTAL	50	78	108	68	81	95	98	163	139
WHITE, NON-HISPANIC	31	39	58	23	35	39	36	73	42
HISPANIC	11	19	27	24	27	28	41	53	64
ASIAN/PACIFIC ISLANDER	2	2	6	7	3	6	6	11	11
BLACK, NON-HISPANIC	2	2	4	1	5	3	2	6	7
AMERICAN INDIAN/ALASKA NATIVE	0	2	0	0	0	0	0	1	2
MULTIPLE RACE	0	0	0	0	0	0	0	0	1
OTHER	0	1	1	1	2	6	3	5	2
UNKNOWN	4	13	12	12	9	13	10	14	10

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

Typhus Fever Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2011-2019
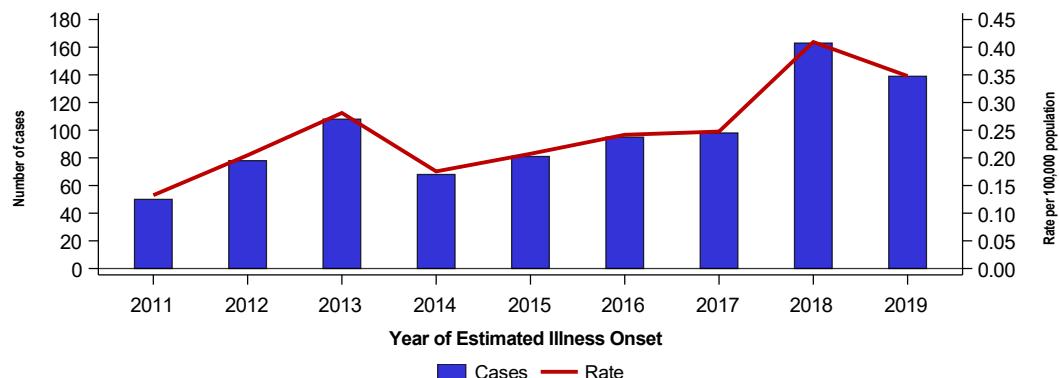
Typhus Fever Average Incidence Rates by Age Group, California, 2011-2019
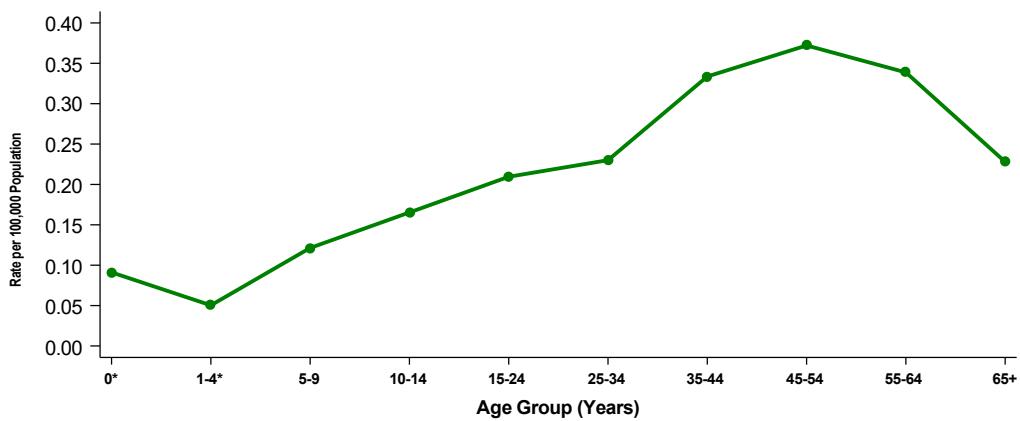
*Potentially unreliable rate: relative standard error 23 percent or more.

Typhus Fever Cases and Population by Race/Ethnicity, California, 2011-2019
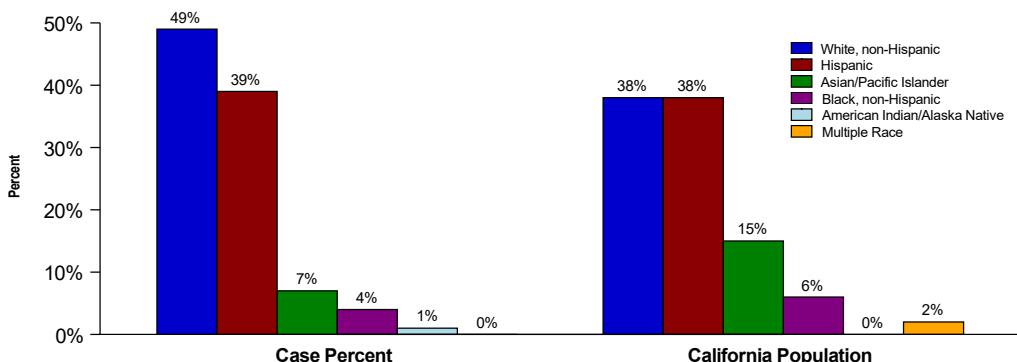
11% (n=97) of reported incidents of Typhus Fever did not identify race/ethnicity and 2.4% (n=21) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Yellow Fever

No cases of Yellow Fever were reported to CDPH with illness onset during 2011-2019

Yersiniosis

Yersiniosis, Cases and Rates by Health Jurisdiction, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET																	
	2011		**2012**		**2013**		**2014**		**2015**		**2016**		**2017**		**2018**		**2019**	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	68	0.2	84	0.2	78	0.2	72	0.2	126	0.3	202	0.5	275	0.7	283	0.7	326	0.8
ALAMEDA COUNTY TOTAL	5	0.3*	3	0.2*	8	0.5*	6	0.4*	7	0.4*	7	0.4*	8	0.5*	6	0.4*	5	0.3*
ALAMEDA	4	0.3*	3	0.2*	8	0.6*	6	0.4*	7	0.5*	6	0.4*	7	0.5*	6	0.4*	5	0.3*
BERKELEY	1	0.9*	0	-	0	-	0	-	0	-	1	0.8*	1	0.8*	0	-	0	-
ALPINE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
AMADOR	0	-	0	-	0	-	0	-	0	-	0	-	1	2.7*	0	-	0	-
BUTTE	0	-	2	0.9*	0	-	2	0.9*	1	0.4*	0	-	0	-	0	-	1	0.5*
CALAVERAS	0	-	1	2.2*	0	-	0	-	1	2.2*	1	2.2*	0	-	0	-	0	-
COLUSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
CONTRA COSTA	0	-	2	0.2*	3	0.3*	2	0.2*	0	-	1	0.1*	0	-	1	0.1*	5	0.4*
DEL NORTE	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
EL DORADO	1	0.6*	0	-	0	-	0	-	0	-	1	0.5*	0	-	0	-	0	-
FRESNO	0	-	3	0.3*	0	-	2	0.2*	7	0.7*	11	1.1*	8	0.8*	9	0.9*	3	0.3*
GLENN	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
HUMBOLDT	0	-	0	-	0	-	1	0.7*	0	-	0	-	1	0.7*	1	0.7*	2	1.5*
IMPERIAL	0	-	0	-	2	1.1*	1	0.5*	0	-	0	-	0	-	0	-	5	2.6*
INYO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
KERN	3	0.4*	1	0.1*	0	-	0	-	2	0.2*	0	-	1	0.1*	10	1.1*	6	0.7*
KINGS	0	-	0	-	0	-	0	-	0	-	1	0.7*	0	-	1	0.7*	0	-
LAKE	0	-	0	-	0	-	0	-	0	-	4	6.2*	1	1.5*	2	3.1*	2	3.1*
LASSEN	0	-	0	-	0	-	0	-	0	-	1	3.3*	0	-	0	-	1	3.3*
LOS ANGELES COUNTY TOTAL	16	0.2*	15	0.1*	6	0.1*	7	0.1*	20	0.2	44	0.4	70	0.7	89	0.9	62	0.6
LOS ANGELES	16	0.2*	14	0.1*	5	0.1*	3	0.0*	19	0.2	39	0.4	65	0.7	82	0.9	57	0.6
LONG BEACH	0	-	1	0.2*	0	-	3	0.6*	1	0.2*	4	0.8*	5	1.1*	7	1.5*	5	1.1*
PASADENA	0	-	0	-	1	0.7*	1	0.7*	0	-	1	0.7*	0	-	0	-	0	-
MADERA	0	-	0	-	0	-	0	-	0	-	1	0.6*	0	-	1	0.6*	0	-
MARIN	0	-	0	-	1	0.4*	1	0.4*	1	0.4*	3	1.1*	3	1.1*	4	1.5*	2	0.8*
MARIPOSA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MENDOCINO	0	-	0	-	0	-	0	-	1	1.1*	1	1.1*	1	1.1*	0	-	2	2.3*
MERCED	2	0.8*	0	-	0	-	0	-	0	-	0	-	0	-	0	-	3	1.1*
MODOC	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
MONTEREY	1	0.2*	0	-	0	-	0	-	1	0.2*	2	0.5*	2	0.5*	2	0.5*	10	2.2*
NAPA	0	-	0	-	0	-	1	0.7*	0	-	1	0.7*	4	2.8*	0	-	2	1.4*
NEVADA	1	1.0*	0	-	0	-	0	-	0	-	0	-	0	-	1	1.0*	0	-
ORANGE	13	0.4*	20	0.6	9	0.3*	3	0.1*	14	0.4*	22	0.7	15	0.5*	11	0.3*	34	1.1
PLACER	1	0.3*	0	-	1	0.3*	0	-	1	0.3*	0	-	0	-	0	-	1	0.3*
PLUMAS	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	1	5.3*
RIVERSIDE	0	-	9	0.4*	7	0.3*	3	0.1*	7	0.3*	8	0.3*	9	0.4*	9	0.4*	15	0.6*
SACRAMENTO	1	0.1*	5	0.3*	2	0.1*	1	0.1*	5	0.3*	6	0.4*	1	0.1*	2	0.1*	14	0.9*
SAN BENITO	0	-	0	-	0	-	0	-	0	-	0	-	0	-	4	6.5*	3	4.8*
SAN BERNARDINO	0	-	1	0.0*	2	0.1*	3	0.1*	1	0.0*	3	0.1*	2	0.1*	9	0.4*	3	0.1*
SAN DIEGO	10	0.3*	4	0.1*	7	0.2*	13	0.4*	12	0.4*	14	0.4*	61	1.8	32	1.0	53	1.6
SAN FRANCISCO	0	-	0	-	4	0.5*	4	0.5*	6	0.7*	4	0.5*	10	1.1*	4	0.5*	7	0.8*
SAN JOAQUIN	1	0.1*	6	0.9*	8	1.1*	2	0.3*	2	0.3*	0	-	1	0.1*	2	0.3*	1	0.1*
SAN LUIS OBISPO	7	2.6*	3	1.1*	1	0.4*	1	0.4*	2	0.7*	1	0.4*	4	1.4*	3	1.1*	5	1.8*
SAN MATEO	1	0.1*	1	0.1*	3	0.4*	4	0.5*	6	0.8*	3	0.4*	15	1.9*	11	1.4*	11	1.4*
SANTA BARBARA	0	-	0	-	2	0.5*	0	-	5	1.1*	15	3.4*	6	1.3*	9	2.0*	5	1.1*
SANTA CLARA	0	-	1	0.1*	6	0.3*	4	0.2*	4	0.2*	19	1.0	22	1.1	28	1.4	25	1.3
SANTA CRUZ	0	-	0	-	0	-	1	0.4*	0	-	1	0.4*	0	-	2	0.7*	2	0.7*
SHASTA	0	-	1	0.6*	0	-	0	-	0	-	2	1.1*	3	1.7*	2	1.1*	1	0.6*
SIERRA	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
SISKIYOU	0	-	0	-	0	-	2	4.5*	0	-	0	-	1	2.3*	1	2.3*	0	-
SOLANO	0	-	0	-	0	-	0	-	2	0.5*	1	0.2*	0	-	0	-	2	0.5*
SONOMA	2	0.4*	1	0.2*	1	0.2*	0	-	0	-	1	0.2*	0	-	1	0.2*	1	0.2*
STANISLAUS	1	0.2*	1	0.2*	2	0.4*	0	-	0	-	3	0.6*	1	0.2*	2	0.4*	0	-
SUTTER	0	-	0	-	0	-	0	-	2	2.1*	1	1.0*	0	-	0	-	1	1.0*
TEHAMA	0	-	0	-	0	-	0	-	2	3.1*	1	1.6*	0	-	0	-	0	-
TRINITY	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-	0	-
TULARE	2	0.4*	1	0.2*	1	0.2*	1	0.2*	0	-	1	0.2*	3	0.6*	5	1.1*	2	0.4*
TUOLUMNE	0	-	0	-	0	-	0	-	1	1.9*	0	-	0	-	0	-	0	-
VENTURA	0	-	3	0.4*	1	0.1*	5	0.6*	11	1.3*	17	2.0*	21	2.5	19	2.2	23	2.7
YOLO	0	-	0	-	1	0.5*	2	1.0*	1	0.5*	0	-	0	-	0	-	3	1.3*
YUBA	0	-	0	-	0	-	0	-	1	1.3*	0	-	0	-	0	-	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.

Yersiniosis

Yersiniosis, Cases by Month of Estimated Illness Onset, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET								
MONTH	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**
TOTAL	68	84	78	72	126	202	275	283	326
JANUARY	6	9	13	4	10	19	20	21	25
FEBRUARY	5	8	7	5	5	12	15	24	19
MARCH	1	8	4	9	8	16	22	21	24
APRIL	9	6	9	8	13	15	27	24	35
MAY	8	11	5	7	8	10	19	29	31
JUNE	3	5	4	6	11	14	27	20	30
JULY	6	9	3	3	10	28	21	27	35
AUGUST	4	7	6	5	9	19	31	21	35
SEPTEMBER	6	6	6	7	11	14	25	21	22
OCTOBER	8	4	8	4	14	21	21	28	22
NOVEMBER	6	7	8	8	10	18	24	20	28
DECEMBER	6	4	5	6	17	16	23	27	20

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

Yersiniosis, Cases and Rates by Age Group, California, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET																	
	2011		**2012**		**2013**		**2014**		**2015**		**2016**		**2017**		**2018**		**2019**	
AGE GROUP	**CASES**	**RATE**	**CASES**	**RATE**	**CASES**	**RATE**	**CASES**	**RATE**	**CASES**	**RATE**	**CASES**	**RATE**	**CASES**	**RATE**	**CASES**	**RATE**	**CASES**	**RATE**
TOTAL	68	0.2	84	0.2	78	0.2	72	0.2	126	0.3	202	0.5	275	0.7	283	0.7	326	0.8
0	9	1.8*	3	0.6*	7	1.4*	7	1.4*	6	1.2*	12	2.5*	4	0.8*	6	1.3*	10	2.2*
1-4	3	0.1*	12	0.6*	8	0.4*	9	0.5*	10	0.5*	26	1.3	15	0.8*	21	1.1	15	0.8*
5-9	9	0.4*	7	0.3*	3	0.1*	4	0.2*	9	0.3*	5	0.2*	10	0.4*	10	0.4*	11	0.4*
10-14	6	0.2*	4	0.2*	7	0.3*	2	0.1*	3	0.1*	6	0.2*	8	0.3*	14	0.5*	12	0.5*
15-24	5	0.1*	10	0.2*	9	0.2*	4	0.1*	8	0.1*	15	0.3*	29	0.5	19	0.3	27	0.5
25-34	1	0.0*	5	0.1*	1	0.0*	10	0.2*	11	0.2*	11	0.2*	33	0.6	27	0.5	30	0.6
35-44	2	0.0*	5	0.1*	9	0.2*	6	0.1*	8	0.2*	15	0.3*	29	0.6	24	0.5	29	0.6
45-54	8	0.2*	9	0.2*	11	0.2*	7	0.1*	20	0.4	20	0.4	28	0.5	32	0.6	36	0.7
55-64	7	0.2*	10	0.2*	9	0.2*	8	0.2*	22	0.5	26	0.6	40	0.8	45	0.9	53	1.1
65+	18	0.4*	18	0.4*	14	0.3*	15	0.3*	29	0.6	66	1.2	79	1.4	85	1.5	102	1.7
UNKNOWN	0	-	1	-	0	-	0	-	0	-	0	-	0	-	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, 2011-2019

	YEAR OF ESTIMATED ILLNESS ONSET								
RACE/ETHNICITY	**2011**	**2012**	**2013**	**2014**	**2015**	**2016**	**2017**	**2018**	**2019**
TOTAL	68	84	78	72	126	202	275	283	326
WHITE, NON-HISPANIC	23	27	21	20	59	76	99	111	112
HISPANIC	16	19	15	14	17	39	38	49	31
ASIAN/PACIFIC ISLANDER	7	8	9	9	12	24	29	28	35
BLACK, NON-HISPANIC	2	2	5	2	4	6	8	13	9
AMERICAN INDIAN/ALASKA NATIVE	0	0	0	0	1	0	0	0	1
MULTIPLE RACE	0	0	0	1	0	3	2	3	0
OTHER	1	1	0	1	1	2	5	10	19
UNKNOWN	19	27	28	25	32	52	94	69	119

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

Yersiniosis Cases and Incidence Rates by Year of Estimated Illness Onset, California, 2011-2019
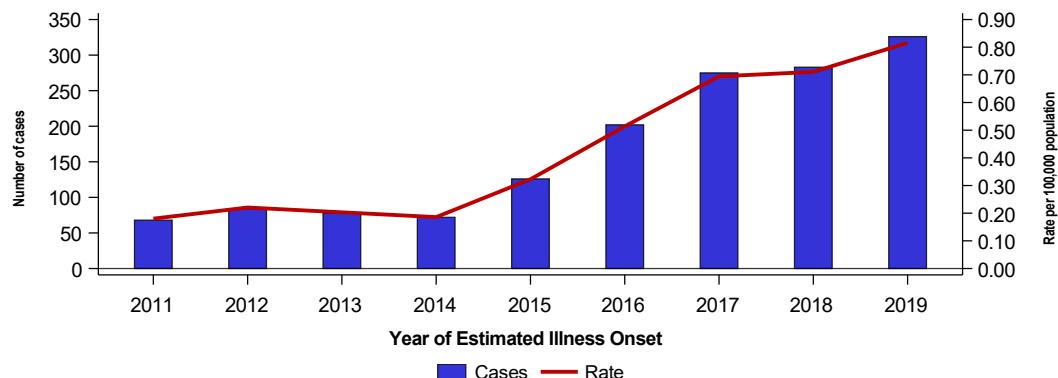
Yersiniosis Average Incidence Rates by Age Group, California, 2011-2019
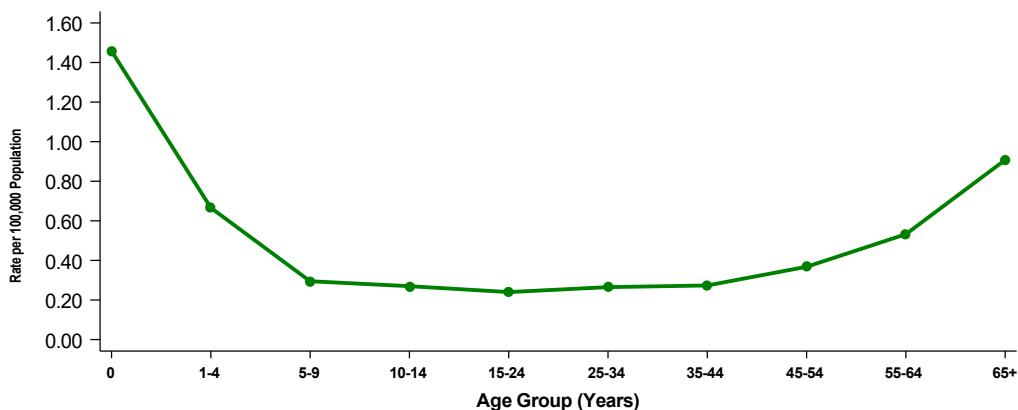
Yersiniosis Cases and Population by Race/Ethnicity, California, 2011-2019
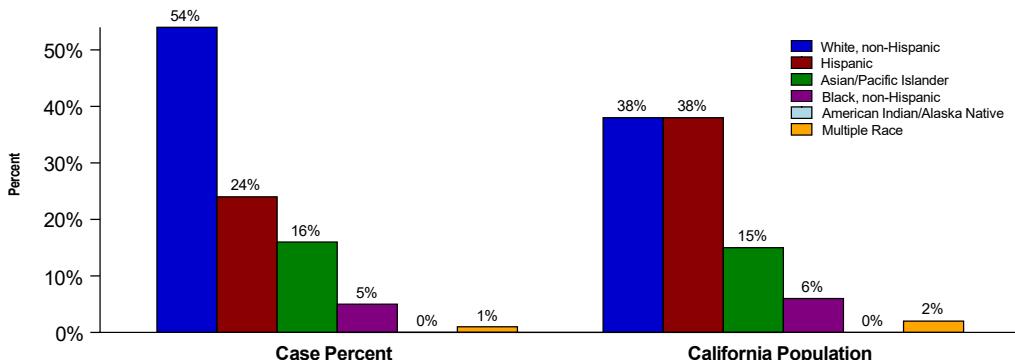
30.7% (n=465) of reported incidents of Yersiniosis did not identify race/ethnicity and 2.6% (n=40) of reported incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

Zika Virus Infection

Zika Virus Infection, Cases and Rates by Health Jurisdiction, California, 2011-2019

	2011		2012		2013		2014		2015		2016		2017		2018		2019	
JURISDICTION	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
CALIFORNIA TOTAL	-		-		-		-		-		422	-	133	0.3	68	0.2	35	0.1
ALAMEDA COUNTY TOTAL	-		-		-		-		-		30		10	0.6*	7	0.4*	2	0.1*
ALAMEDA	-		-		-		-		-		27		7	0.5*	5	0.3*	2	0.1*
BERKELEY	-		-		-		-		-		3		3	2.5*	2	1.6*	0	-
ALPINE	-		-		-		-		-		0		0	-	0	-	0	-
AMADOR	-		-		-		-		-		0		0	-	0	-	0	-
BUTTE	-		-		-		-		-		2		0	-	0	-	0	-
CALAVERAS	-		-		-		-		-		0		0	-	0	-	0	-
COLUSA	-		-		-		-		-		0		0	-	0	-	0	-
CONTRA COSTA	-		-		-		-		-		22		4	0.4*	2	0.2*	0	-
DEL NORTE	-		-		-		-		-		0		0	-	0	-	0	-
EL DORADO	-		-		-		-		-		0		0	-	0	-	0	-
FRESNO	-		-		-		-		-		6		2	0.2*	0	-	0	-
GLENN	-		-		-		-		-		0		0	-	0	-	0	-
HUMBOLDT	-		-		-		-		-		2		0	-	0	-	0	-
IMPERIAL	-		-		-		-		-		0		1	0.5*	0	-	0	-
INYO	-		-		-		-		-		1		0	-	0	-	0	-
KERN	-		-		-		-		-		5		1	0.1*	0	-	0	-
KINGS	-		-		-		-		-		1		0	-	0	-	0	-
LAKE	-		-		-		-		-		1		0	-	0	-	0	-
LASSEN	-		-		-		-		-		0		0	-	0	-	0	-
LOS ANGELES COUNTY TOTAL	-		-		-		-		-		90		24	0.2	17	0.2*	6	0.1*
LOS ANGELES	-		-		-		-		-		83		23	0.2	13	0.1*	6	0.1*
LONG BEACH	-		-		-		-		-		6		1	0.2*	3	0.6*	0	-
PASADENA	-		-		-		-		-		1		0	-	1	0.7*	0	-
MADERA	-		-		-		-		-		0		0	-	0	-	0	-
MARIN	-		-		-		-		-		7		1	0.4*	2	0.8*	0	-
MARIPOSA	-		-		-		-		-		0		0	-	0	-	0	-
MENDOCINO	-		-		-		-		-		0		1	1.1*	0	-	0	-
MERCED	-		-		-		-		-		1		1	0.4*	1	0.4*	0	-
MODOC	-		-		-		-		-		0		0	-	0	-	0	-
MONO	-		-		-		-		-		0		0	-	0	-	0	-
MONTEREY	-		-		-		-		-		5		1	0.2*	0	-	0	-
NAPA	-		-		-		-		-		1		0	-	0	-	0	-
NEVADA	-		-		-		-		-		1		0	-	0	-	0	-
ORANGE	-		-		-		-		-		24		10	0.3*	4	0.1*	5	0.2*
PLACER	-		-		-		-		-		0		1	0.3*	0	-	0	-
PLUMAS	-		-		-		-		-		0		0	-	0	-	0	-
RIVERSIDE	-		-		-		-		-		12		4	0.2*	1	0.0*	2	0.1*
SACRAMENTO	-		-		-		-		-		8		0	-	1	0.1*	1	0.1*
SAN BENITO	-		-		-		-		-		1		0	-	0	-	0	-
SAN BERNARDINO	-		-		-		-		-		15		7	0.3*	0	-	3	0.1*
SAN DIEGO	-		-		-		-		-		67		22	0.7	8	0.2*	7	0.2*
SAN FRANCISCO	-		-		-		-		-		25		9	1.0*	10	1.1*	3	0.3*
SAN JOAQUIN	-		-		-		-		-		5		1	0.1*	0	-	0	-
SAN LUIS OBISPO	-		-		-		-		-		1		0	-	0	-	0	-
SAN MATEO	-		-		-		-		-		9		3	0.4*	5	0.6*	1	0.1*
SANTA BARBARA	-		-		-		-		-		8		2	0.4*	1	0.2*	0	-
SANTA CLARA	-		-		-		-		-		34		14	0.7*	7	0.4*	3	0.2*
SANTA CRUZ	-		-		-		-		-		3		0	-	0	-	0	-
SHASTA	-		-		-		-		-		0		0	-	0	-	0	-
SIERRA	-		-		-		-		-		0		0	-	0	-	0	-
SISKIYOU	-		-		-		-		-		0		0	-	0	-	0	-
SOLANO	-		-		-		-		-		2		2	0.5*	0	-	0	-
SONOMA	-		-		-		-		-		10		7	1.4*	1	0.2*	1	0.2*
STANISLAUS	-		-		-		-		-		3		0	-	0	-	0	-
SUTTER	-		-		-		-		-		1		2	2.0*	0	-	0	-
TEHAMA	-		-		-		-		-		0		0	-	0	-	0	-
TRINITY	-		-		-		-		-		0		0	-	0	-	0	-
TULARE	-		-		-		-		-		4		2	0.4*	0	-	0	-
TUOLUMNE	-		-		-		-		-		0		0	-	0	-	0	-
VENTURA	-		-		-		-		-		9		0	-	0	-	1	0.1*
YOLO	-		-		-		-		-		4		1	0.5*	1	0.5*	0	-
YUBA	-		-		-		-		-		2		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, 2011-2019

MONTH	2011	2012	2013	2014	2015	2016	2017	2018	2019
					YEAR OF ESTIMATED ILLNESS ONSET				
TOTAL	-	-	-	-	-	422	133	68	35
JANUARY	-	-	-	-	-	-	21	7	2
FEBRUARY	-	-	-	-	-	-	9	6	9
MARCH	-	-	-	-	-	-	9	3	3
APRIL	-	-	-	-	-	-	13	4	4
MAY	-	-	-	-	-	-	19	8	3
JUNE	-	-	-	-	-	34	9	4	1
JULY	-	-	-	-	-	113	10	5	4
AUGUST	-	-	-	-	-	118	10	6	4
SEPTEMBER	-	-	-	-	-	46	8	4	1
OCTOBER	-	-	-	-	-	46	11	12	4
NOVEMBER	-	-	-	-	-	39	11	3	0
DECEMBER	-	-	-	-	-	26	3	6	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 Age Group, California, 2011-2019

|	2011		2012		2013		2014		2015		2016		2017		2018		2019	
							YEAR OF ESTIMATED ILLNESS ONSET											
AGE GROUP	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE	CASES	RATE
TOTAL	-	-	-	-	-	-	-	-	-	-	422	-	133	0.3	68	0.2	35	0.1
0	-	-	-	-	-	-	-	-	-	-	3	-	12	2.5*	3	0.6*	0	-
1-4	-	-	-	-	-	-	-	-	-	-	1	-	1	0.1*	1	0.1*	0	-
5-9	-	-	-	-	-	-	-	-	-	-	6	-	1	0.0*	0	-	0	-
10-14	-	-	-	-	-	-	-	-	-	-	12	-	0	-	0	-	1	0.0*
15-24	-	-	-	-	-	-	-	-	-	-	74	-	27	0.5	12	0.2*	10	0.2*
25-34	-	-	-	-	-	-	-	-	-	-	95	-	49	0.9	28	0.5	12	0.2*
35-44	-	-	-	-	-	-	-	-	-	-	95	-	25	0.5	16	0.3*	8	0.2*
45-54	-	-	-	-	-	-	-	-	-	-	73	-	9	0.2*	3	0.1*	2	0.0*
55-64	-	-	-	-	-	-	-	-	-	-	36	-	5	0.1*	0	-	1	0.0*
65+	-	-	-	-	-	-	-	-	-	-	24	-	4	0.1*	5	0.1*	1	0.0*
UNKNOWN	-	-	-	-	-	-	-	-	-	-	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.
Note: Required reporting of Zika Virus Infection began June 1, 2016.

**Zika Virus Infection, Cases by Race/Ethnicity, California, 2011-2019**

RACE/ETHNICITY	2011	2012	2013	2014	2015	2016	2017	2018	2019
					YEAR OF ESTIMATED ILLNESS ONSET				
TOTAL	-	-	-	-	-	422	133	68	35
WHITE, NON-HISPANIC	-	-	-	-	-	80	17	3	0
HISPANIC	-	-	-	-	-	194	56	18	6
ASIAN/PACIFIC ISLANDER	-	-	-	-	-	19	19	14	9
BLACK, NON-HISPANIC	-	-	-	-	-	6	1	0	0
AMERICAN INDIAN/ALASKA NATIVE	-	-	-	-	-	1	0	0	0
MULTIPLE RACE	-	-	-	-	-	3	0	1	0
OTHER	-	-	-	-	-	4	4	4	0
UNKNOWN	-	-	-	-	-	115	36	28	20

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, 2017-2019
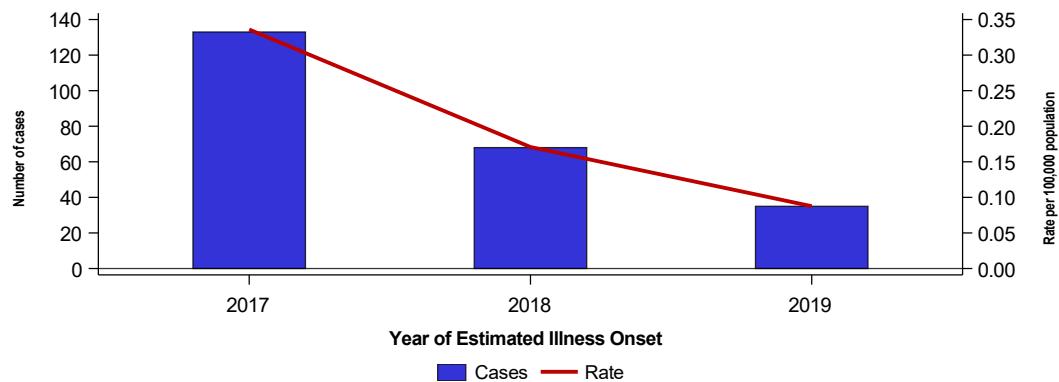
Zika Virus Infection Cases and Population by Race/Ethnicity, California, 2017-2019
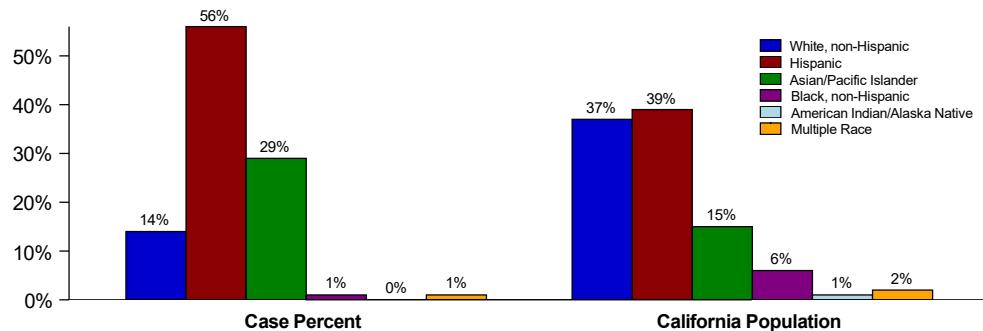
35.6% (n=84) of reported incidents of Zika Virus Infection did not identify race/ethnicity and 3.4% (n=8) of incidents identified as 'Other' race/ethnicity and are not included in the Case Percent calculation. Information presented with a large percentage of missing data should be interpreted with caution.

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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