

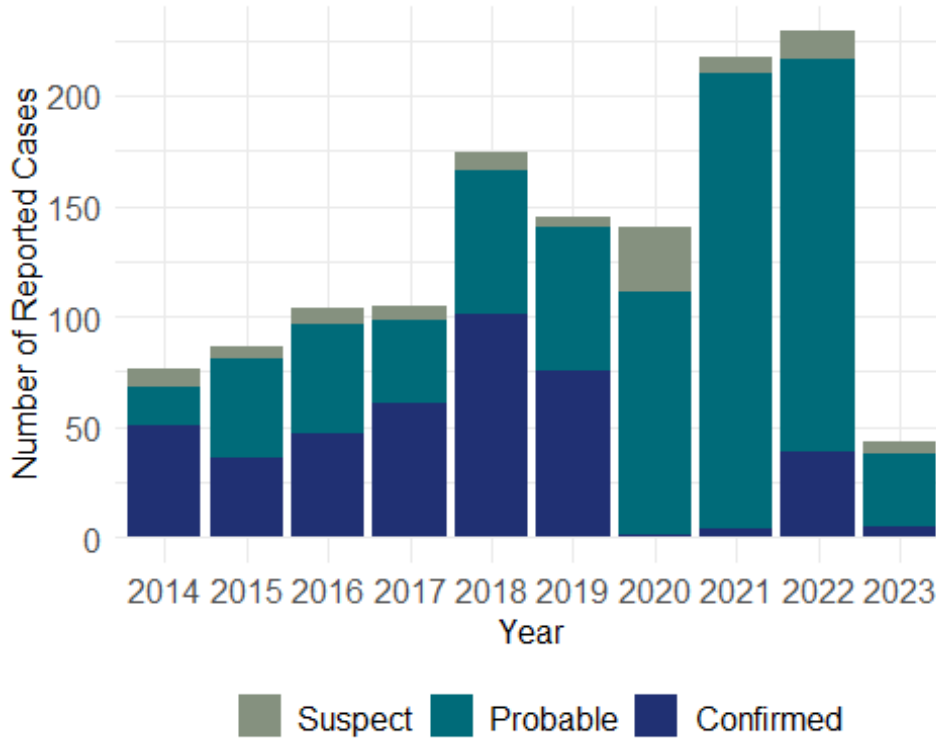
Human Flea-Borne Typhus Cases in California

Vector-Borne Disease Section, California Department of Public Health

November 08, 2023

Reported Typhus Cases, California, 2014 – 2023

As of November 08, 2023



Classification	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023 *
Suspect	8	5	8	7	8	5	29	7	13	5
Probable	17	45	49	37	65	65	110	206	177	33
Confirmed	51	36	47	61	101	75	1	4	39	5

*As of November 08, 2023

The case definition was updated in 2020, limiting the criteria for a confirmed case.

Typhus Case Definition (CDPH working definition, 2020)

- **Confirmed:** A clinically compatible case (meets clinical criteria) that is laboratory confirmed.
- **Probable:** A clinically compatible case (meets clinical criteria) that has presumptive laboratory evidence and evidence of epidemiologic link.
- **Suspect:** A case with presumptive or confirmatory laboratory evidence of infection but no clinical information available, OR a clinically compatible cases (meets clinical criteria) that has evidence of epidemiologic link but no laboratory testing or equivocal laboratory evidence.

Human Flea-Borne Typhus Cases by Year and County, California, 2014 – 2023

County	2014	2015	2016	2017	2018	2019	2020	2021	2022	2023	Total	Incidence
Alameda	0	0	0	1	0	0	0	0	1	0	2	0.01
Amador	0	0	1	0	0	0	0	0	0	0	1	0.27
Contra Costa	1	0	0	0	0	1	1	0	0	1	4	0.04
Fresno	0	0	0	1	0	0	0	0	1	0	2	0.02
Imperial	0	0	1	0	0	1	0	0	0	0	2	0.11
Kern	0	1	0	0	0	0	0	0	0	0	1	0.01
Los Angeles	57	66	82	87	147	115	114	175	192	18	1,053	1.04
Marin	0	1	0	0	0	0	1	0	0	0	2	0.08
Orange	16	15	17	11	20	20	14	27	29	16	185	0.58
Placer	0	0	0	0	0	1	0	0	0	0	1	0.03
Riverside	0	0	1	0	1	1	1	9	5	3	21	0.09
Sacramento	0	0	0	1	0	0	0	1	0	0	2	0.01
San Bernardino	0	0	1	0	1	1	5	4	1	5	18	0.08
San Diego	0	1	0	2	2	1	1	0	0	0	7	0.02
San Mateo	0	0	0	0	1	1	0	1	0	0	3	0.04
Santa Barbara	0	0	0	0	0	0	1	0	0	0	1	0.02
Santa Clara	0	0	0	1	0	0	0	0	0	0	1	0.01
Santa Cruz	0	1	0	1	0	0	0	0	0	0	2	0.07
Shasta	0	0	0	0	1	0	0	0	0	0	1	0.06
Solano	1	0	0	0	0	0	1	0	0	0	2	0.05
Stanislaus	0	0	0	0	0	1	0	0	0	0	1	0.02
Sutter	0	0	0	0	0	0	1	0	0	0	1	0.10
Ventura	1	0	0	0	0	2	0	0	0	0	3	0.04
Total	76	85	103	105	173	145	140	217	229	43	1,316	2.80

Data includes all confirmed, probable and suspect cases as of November 08, 2023. Cases are reported based on county of residence. Most northern California cases have travel-related exposure to southern California or no travel information available. Flea-borne typhus has not been detected to date in northern California.