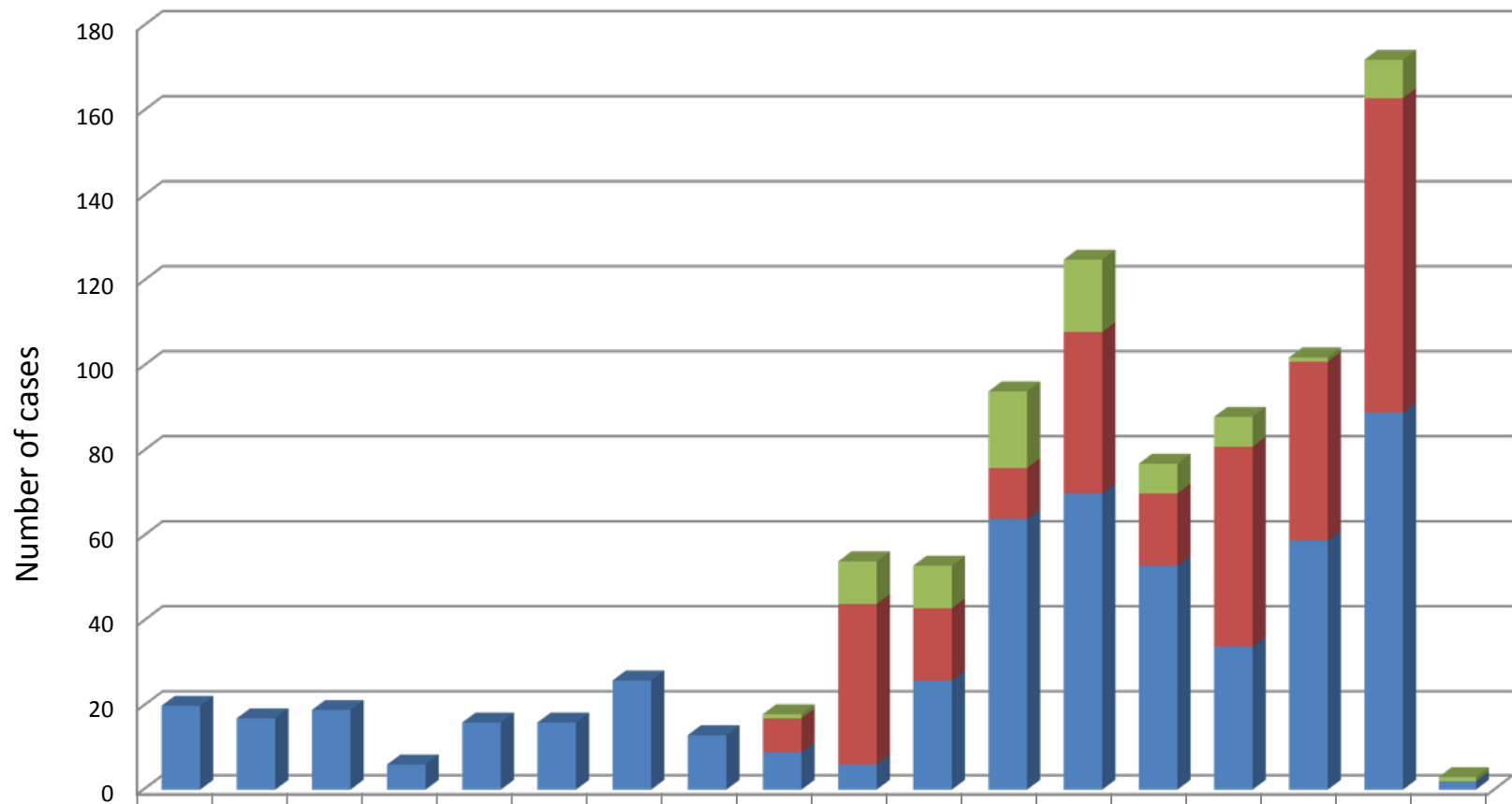


# Human Flea-Borne Typhus Cases in California

## Vector-Borne Disease Section, California Department of Public Health

Vector-Borne Disease Section, California Department of Public Health

### Human Flea-Borne Typhus Cases By Year 2001-2019\*



	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2017	2018	2019
Total	20	17	19	6	16	16	26	13	18	54	53	94	125	77	88	102	172	3
■ Suspect									1	10	10	18	17	7	7	1	9	1
■ Probable									8	38	17	12	38	17	47	42	74	0
■ Confirmed	20	17	19	6	16	16	26	13	9	6	26	64	70	53	34	59	89	2

\*As of March 1, 2019

NOTE: Only confirmed cases were reported prior to 2009

## Human Flea-Borne Typhus Cases by Year and County\*

	2001	2002	2003	2004	2005	2006	2007	2008	2009	2010	2011	2012	2013	2014	2015	2016	2017	2018	2019	Total
Alameda																	1 <sup>‡</sup>			1
Amador																1 <sup>‡</sup>				1
Contra Costa													1 <sup>‡</sup>	1 <sup>‡</sup>						2
Imperial																1 <sup>‡</sup>				1
Kern															1 <sup>‡</sup>					1
Los Angeles	20	16	17	6	16	14	20	5	10	43	41	60	87	56	69	82	85	147	3	797
Marin															1 <sup>‡</sup>					1
Monterey						1 <sup>‡</sup>														1
Orange						1	6	7	7	11	12	31	34	18	15	17	12	20		191
Riverside								1 <sup>‡</sup>								1 <sup>‡</sup>				2
Sacramento			1 <sup>‡</sup>																	1
San Luis Obispo																	1 <sup>‡</sup>			1
San Bernardino								1 <sup>‡</sup>					1 <sup>‡</sup>			1 <sup>‡</sup>		1		4
San Diego			1 <sup>‡</sup>										1 <sup>‡</sup>		1		2 <sup>‡</sup>	2		6
San Francisco													1 <sup>‡</sup>							1
San Mateo																		1 <sup>‡</sup>		1
Santa Clara												1 <sup>‡</sup>					1 <sup>‡</sup>			2
Santa Cruz															1 <sup>‡</sup>					1
Shasta																		1 <sup>‡</sup>		1
Solano												2 <sup>‡</sup>		1 <sup>‡</sup>						3
Sonoma		1 <sup>‡</sup>																		1
Ventura														1 <sup>‡</sup>						1

\*Data includes all confirmed, probable, and suspect cases as of March 1, 2019

<sup>‡</sup>Infection acquired outside county of residence

### **Typhus Case Definition** (CDPH working definition, 2011)

**Confirmed:** a) a clinically compatible case (meets clinical evidence criteria) that is lab confirmed, or b) a clinically compatible case that has supportive laboratory results and an epi-link to a confirmed case (e.g., was in same household/same suspect defined exposure as a confirmed case within the past 14 days before onset of symptoms).

**Probable:** A clinically compatible case (meets clinical evidence criteria) that has supportive laboratory results.

**Suspected:** a) a clinically compatible case with epi-link to a confirmed case (e.g., was in same household/same suspect defined exposure as a confirmed case within the past 14 days before onset of symptoms) but no laboratory testing, or b) a case with laboratory evidence of past or present infection but no clinical information available (e.g., a laboratory report).