

2018

Vaccine Preventable Disease Data



The California Department of Public Health Immunization Branch is pleased to release the final counts of vaccine preventable diseases in California for 2018.

Key Findings

- The Immunization Branch is responsible for collecting surveillance data on reportable vaccine-preventable diseases (VPDs) for the purposes of determining disease impact, assessing trends, characterizing affected populations, prioritizing control efforts, and evaluating prevention strategies in California.
- Overall, 2018 disease surveillance trends for VPDs were similar to recent years.
- Incidence of mumps in 2018 has remained high, similar to trends seen since 2016.
- Cases of pertussis in 2018 were similar to counts seen in 2017. This is greater than the low observed in 2016, but below 2014 epidemic levels. Recently, there have been localized areas around California with sharp increases in the number of pertussis cases. In 2018, 4.1% (139) of pertussis cases occurred in infants less than four months of age.
- The California Hepatitis A outbreak which began in 2016 was declared over in 2018. The incidence of Hepatitis A sharply decreased in 2018 as targeted public health efforts have been conducted in high-risk populations. Nationally, Hepatitis A outbreaks are occurring in many states; California is one of only two states to declare outbreaks over.
- For more information visit:
 - CDPH Immunization Branch Website:
<https://www.cdph.ca.gov/Programs/CID/DCDC/pages/immunize.aspx>

Table 1. Vaccine Preventable Disease Case Counts, 2014-2018

	2014	2015	2016	2017	2018
Haemophilus Influenzae	40	65	43	55	31
Hepatitis A	146	181	233	952	188
Hepatitis B, Acute	109	158	119	126	105
Hepatitis B, Perinatal	15	11	14	5	4
Measles	75	125	24	15	23
Meningococcal Disease	55	44	80	61	43
Mumps	39	32	93	190	140
Pertussis	11,206	4,703	1,939	3,159	3,364
Rubella	2	0	0	4	0
Tetanus	4	3	1	2	0
Varicella, Hospitalizations & Deaths	41	61	49	42	40

Table 2. Reported Vaccine Preventable Disease* Cases by Local Health Jurisdiction, 2018

	Hepatitis A	Hepatitis B, Acute	Measles	Meningococcal Disease	Mumps	Pertussis	Varicella, Hosp [†] & Deaths
Total	188	105	23	43	140	3,364	40
Alameda	10	4	1	3	5	309	6
City of Berkeley [§]	1	0	0	0	0	17	0
Alpine	0	0	0	0	0	0	0
Amador	0	1	0	0	0	0	0
Butte	0	5	0	0	0	7	0
Calaveras	0	0	0	0	0	0	0
Colusa	0	0	0	0	0	0	0
Contra Costa	6	3	1	2	2	110	1
Del Norte	0	0	0	1	0	0	0
El Dorado	0	0	0	0	1	1	0
Fresno	2	4	1	1	2	84	2
Glenn	1	0	0	0	0	0	0
Humboldt	1	0	0	1	0	0	0
Imperial	0	0	0	0	3	6	0
Inyo	0	0	0	0	0	0	0
Kern	2	6	0	1	0	35	1
Kings	2	0	0	0	0	2	0
Lake	1	1	0	0	0	1	0
Lassen	0	0	0	0	0	0	0
Los Angeles	39	34	5	11	51	476	9
City of Long Beach [§]	0	4	0	0	4	29	0
City of Pasadena [§]	2	0	1	0	1	4	1
Madera	0	0	0	0	0	31	0
Marin	3	0	0	0	0	245	0
Mariposa	0	0	0	0	0	3	0
Mendocino	2	0	0	0	0	2	0
Merced	0	0	0	0	0	10	0
Modoc	0	0	0	0	0	0	0
Mono	0	0	0	0	0	0	0
Monterey	7	1	0	0	0	35	1
Napa	1	0	0	0	1	20	0
Nevada	1	0	0	0	2	13	0
Orange	11	11	1	2	13	172	2
Placer	1	0	0	0	1	27	0
Plumas	0	0	0	0	0	0	0
Riverside	5	1	1	1	6	69	0
Sacramento	13	3	1	1	3	95	4
San Benito	0	0	0	0	0	3	0
San Bernardino	3	5	0	1	4	31	2
San Diego	35	8	0	11	9	649	4
San Francisco	4	4	0	2	15	35	1
San Joaquin	0	0	0	0	1	25	0
San Luis Obispo	1	0	1	0	1	21	0
San Mateo	4	1	1	1	0	113	1
Santa Barbara	2	0	0	0	0	23	0
Santa Clara	13	2	9	0	9	181	3
Santa Cruz	0	0	0	1	2	169	0
Shasta	0	2	0	1	0	0	0
Sierra	0	0	0	0	0	0	0
Siskiyou	1	0	0	1	0	0	0
Solano	2	0	0	0	1	49	0
Sonoma	0	3	0	0	1	149	1
Stanislaus	3	1	0	1	0	11	0
Sutter	0	0	0	0	0	0	1
Tehama	0	0	0	0	0	0	0
Trinity	0	0	0	0	0	0	0
Tulare	2	0	0	0	0	8	0
Tuolumne	0	0	0	0	0	1	0
Ventura	5	0	0	0	2	66	0
Yolo	1	1	0	0	0	24	0
Yuba	1	0	0	0	0	3	0

* To address potential confidentiality concerns with small numbers, county-level data are not presented for the following diseases: Haemophilus influenzae disease in persons under five years of age, perinatal hepatitis B in persons under two years of age, rubella and congenital rubella syndrome, and tetanus.

[†] Hospitalizations

[§] City health jurisdictions not included in county total