



# Pertussis Report

April 24, 2012

- **New in this report:** No pertussis deaths have been reported in California since October of 2010. The state rate for pertussis has declined from its high of 45 cases/100,000 in July 2010 to 2 cases/100,000 in December 2011. During the epidemic, from January-October 2010, 455 infants  $\leq 3$  months of age were hospitalized and 10 infants died of pertussis (fatality rate of 2.2% among hospitalized). Since that time, there have been 289 known hospitalized infants  $\leq 3$  months of age but no fatalities. Pertussis deaths now appear to be at historic lows.
- **2012: 169 cases with onset in 2012** have been reported to CDPH. The state rate is **<1.0 case/100,000**.
  - 19 (13%) cases have been hospitalized (of 83% with complete data).
  - No deaths have been reported, to date.
- **2011: 2,932 cases with onset in 2011** have been reported to CDPH. The state rate is **7.5 cases/100,000**. Data for 2011 are still considered provisional.
  - 294 (10%) cases have been hospitalized.
    - Most (236; 80%) were infants <6 months of age.
  - No deaths have been reported.
  - Cases have been reported from 52 (85%) of 61 local health jurisdictions.
  - Case Classification:
    - Confirmed: 60%
    - Probable: 18%
    - Suspect: 22%
- **2010: 9,156 cases with onset in 2010** have been reported to CDPH for a state rate of **23.4 cases/100,000**. This number has been adjusted from prior reports.
  - This was the most cases reported in 63 years when 9,394 cases were reported in 1947, and the highest incidence in 52 years when a rate of 26.0 cases/100,000 was reported in 1958. Previously, the peak was in 2005 when there were 3,182 cases reported.
  - 809 (9%) cases were hospitalized
    - 446 (55%) of hospitalized cases were infants <3 months of age and 584 (72%) were infants <6 months of age.
    - 454 (80%) of the hospitalized infants <6 months of age with known race and ethnicity were Hispanic.
  - Ten deaths were reported; 9 (90%) were Hispanic infants.
    - The case-fatality rate among infants <3 months of age is 1.3%.
  - Case Classification:
    - Confirmed: 60%
    - Probable: 19%
    - Suspect: 21%

**Table 1. Pertussis cases reported to CDPH by local health jurisdiction -- California, 2010-2012\***

	2010†		2011*		2012*	
	Cases	Rate	Cases	Rate	Cases	Rate
<b>CALIFORNIA</b>	<b>9156</b>	<b>23.40</b>	<b>2975</b>	<b>7.51</b>	<b>169</b>	<b>0.42</b>
ALAMEDA	424	29.38	204	14.02	2	0.14
City of Berkeley‡	13	12.13	3	2.80	1	0.93
ALPINE	0	0.00	0	0.00	0	0.00
AMADOR	4	9.92	11	26.79	0	0.00
BUTTE	32	13.91	16	6.81	0	0.00
CALAVERAS	9	18.85	5	10.28	0	0.00
COLUSA	11	46.24	1	4.11	0	0.00
CONTRA COSTA	205	19.05	114	10.45	2	0.18
DEL NORTE	16	51.64	0	0.00	0	0.00
EL DORADO	55	29.05	11	5.72	1	0.51
FRESNO	550	55.92	58	5.77	3	0.29
GLENN	1	3.24	1	3.17	0	0.00
HUMBOLDT	59	43.77	16	11.80	0	0.00
IMPERIAL	9	4.74	3	1.54	2	1.00
INYO	8	41.70	0	0.00	0	0.00
KERN	377	43.25	51	5.72	0	0.00
KINGS	26	15.80	6	3.56	0	0.00
LAKE	5	7.40	3	4.37	0	0.00
LASSEN	1	2.64	0	0.00	0	0.00
LOS ANGELES	1303	13.20	607	6.11	3	0.03
City of Long Beach‡	68	13.80	17	3.45	0	0.00
City of Pasadena‡	24	15.98	15	9.99	0	0.00
MADERA	120	74.02	8	4.79	0	0.00
MARIN	351	138.36	26	10.24	0	0.00
MARIPOSA	10	52.33	1	5.16	0	0.00
MENDOCINO	27	28.98	3	3.19	0	0.00
MERCED	131	47.82	27	9.61	0	0.00
MODOC	0	0.00	0	0.00	0	0.00
MONO	18	121.35	2	13.22	5	32.40
MONTEREY	132	30.47	38	8.69	6	1.36
NAPA	25	17.51	11	7.60	0	0.00
NEVADA	24	23.38	2	1.93	0	0.00
ORANGE	499	15.46	143	4.39	10	0.30
PLACER	50	14.39	19	5.35	4	1.10
PLUMAS	2	9.16	4	18.24	0	0.00
RIVERSIDE	469	20.95	162	7.04	20	0.85
SACRAMENTO	190	13.09	69	4.70	29	1.95
SAN BENITO	7	10.90	3	4.54	0	0.00
SAN BERNARDINO	182	8.36	114	5.14	23	1.02
SAN DIEGO	1141	35.66	398	12.30	12	0.37
SAN FRANCISCO	142	17.36	69	8.40	2	0.24
SAN JOAQUIN	84	11.33	31	4.07	1	0.13
SAN LUIS OBISPO	371	137.54	15	5.51	5	1.82
SAN MATEO	189	25.66	56	7.57	4	0.54
SANTA BARBARA	65	14.96	19	4.35	3	0.68
SANTA CLARA	481	26.18	172	9.28	8	0.43
SANTA CRUZ	87	32.46	22	8.15	3	1.10
SHASTA	32	16.69	27	13.85	1	0.50
SIERRA	0	0.00	0	0.00	0	0.00
SISKIYOU	10	21.23	0	0.00	0	0.00
SOLANO	40	9.07	10	2.24	0	0.00
SONOMA	246	49.66	117	23.41	1	0.20
STANISLAUS	159	28.41	43	7.51	5	0.85
SUTTER	5	4.89	1	0.94	0	0.00
TEHAMA	10	15.25	2	2.99	0	0.00
TRINITY	0	0.00	0	0.00	0	0.00
TULARE	231	49.48	77	16.06	13	2.64
TUOLUMNE	32	54.49	4	6.74	0	0.00
VENTURA	372	43.46	133	15.37	0	0.00
YOLO	17	8.25	5	2.38	0	0.00
YUBA	5	6.22	0	0.00	0	0.00

†Data have been updated from previous reports

\*Data are preliminary and include cases reported to CDPH as of 4/24/2012

‡City health jurisdictions not included in county total