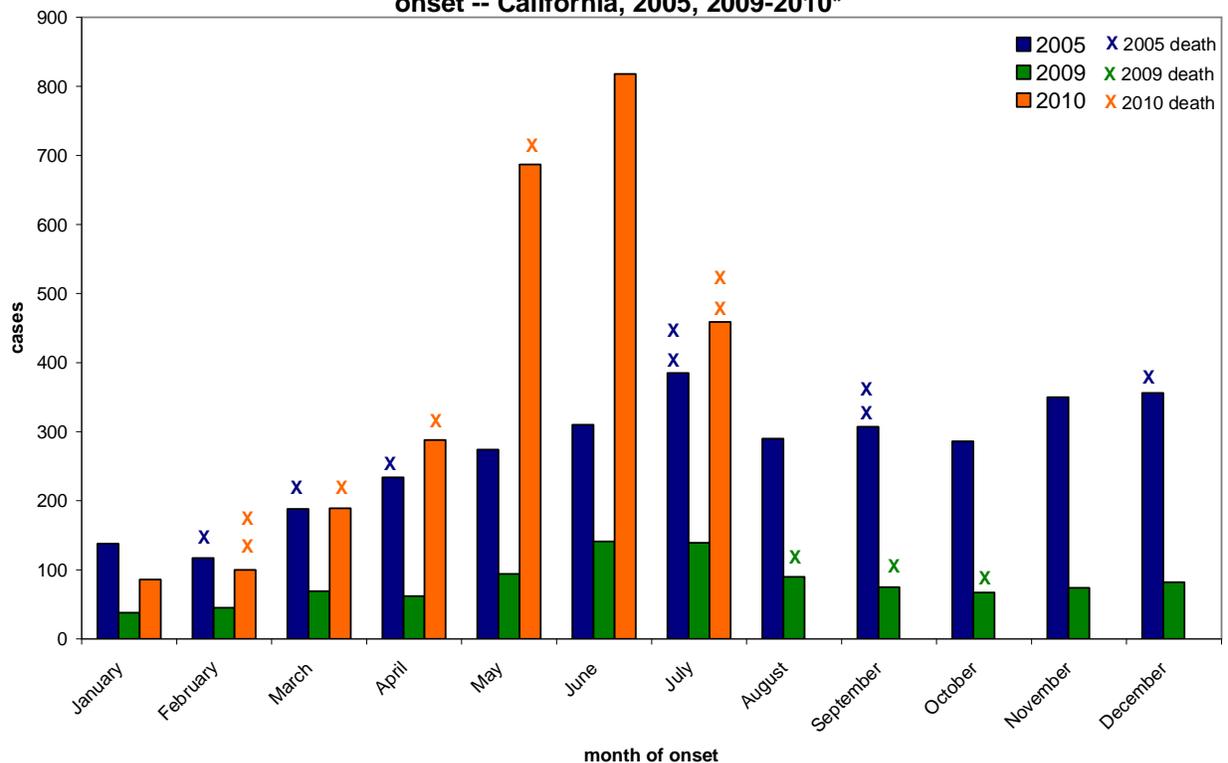


Pertussis Report
8/10/2010

- To date (8/10/2010), there have been **2,774** cases of pertussis reported to CDPH in 2010 for a state rate of **7.0 cases/100,000**. This is a 7-fold increase from the 395 cases reported through the same date in 2009 (Figure 1).
- If current trends continue, it is likely that California will see more cases of pertussis than it has seen in over 50 years and highest rate of disease in 47 years.
- 159 (12%) cases have been hospitalized (however, hospitalization information is only available for 1,315 cases); 94 (59%) of hospitalized cases were infants <3 months of age and 120 (75%) were infants <6 months of age.
- 7 deaths have been reported, all in infants <2 months of age at time of disease onset; none had received any doses of pertussis-containing vaccine. The majority of infant cases in 2010 have occurred in infants <3 months of age. All fatalities have been in Hispanic infants.
- Rates are highest in infants <6 months of age (133 cases/100,000), in adolescents aged 7-9 years (21 cases/100,000) and 10-18 years (17 cases/100,000) (Figure 2).
- Overall rates by race/ethnicity are highest in Whites (6.5/100,000), however age-specific rates indicate that the highest rates are seen in Hispanic infants <6 months of age (172/100,000) (Table 2).

Figure 1. Epidemic curve of reported pertussis cases and deaths by month of onset -- California, 2005, 2009-2010*



*As of 8/10/2010; data are incomplete due to reporting delays

Table 1. Pertussis cases reported to CDPH from January 1 through August 10 by local health jurisdiction -- California, 2009, 2010

	2009		2010	
	Cases	Rate	Cases	Rate
CALIFORNIA	395	1.01	2744	7.01
ALAMEDA	9	0.63	121	8.44
City of Berkeley*	0	0.00	4	3.73
ALPINE	0	0.00	0	0.00
AMADOR	1	2.51	0	0.00
BUTTE	2	0.88	7	3.09
CALAVERAS	7	14.83	5	10.59
COLUSA	0	0.00	7	30.04
CONTRA COSTA	6	0.56	64	6.01
DEL NORTE	0	0.00	16	52.23
EL DORADO	2	1.07	29	15.56
FRESNO	16	1.66	302	31.30
GLENN	0	0.00	0	0.00
HUMBOLDT	12	8.95	12	8.95
IMPERIAL	0	0.00	7	3.79
INYO	0	0.00	0	0.00
KERN	1	0.12	140	16.41
KINGS	3	1.86	16	9.94
LAKE	0	0.00	2	3.00
LASSEN	0	0.00	0	0.00
LOS ANGELES	68	0.69	71	0.72
City of Long Beach*	6	1.22	27	5.48
City of Pasadena*	0	0.00	5	3.33
MADERA	5	3.16	71	44.86
MARIN	7	2.76	261	102.95
MARIPOSA	0	0.00	0	0.00
MENDOCINO	4	4.33	9	9.73
MERCED	4	1.49	57	21.29
MODOC	0	0.00	0	0.00
MONO	0	0.00	0	0.00
MONTEREY	1	0.23	18	4.18
NAPA	2	1.42	13	9.23
NEVADA	0	0.00	1	0.98
ORANGE	10	0.31	182	5.71
PLACER	4	1.17	31	9.10
PLUMAS	0	0.00	0	0.00
RIVERSIDE	23	1.06	98	4.50
SACRAMENTO	10	0.70	44	3.06
SAN BENITO	2	3.20	1	1.60
SAN BERNARDINO	6	0.28	19	0.89
SAN DIEGO	71	2.24	235	7.42
SAN FRANCISCO	16	1.97	50	6.14
SAN JOAQUIN	2	0.28	34	4.70
SAN LUIS OBISPO	0	0.00	270	100.76
SAN MATEO	8	1.09	56	7.63
SANTA BARBARA	16	3.71	16	3.71
SANTA CLARA	9	0.49	116	6.36
SANTA CRUZ	22	8.25	42	15.74
SHASTA	0	0.00	7	3.70
SIERRA	0	0.00	0	0.00
SISKIYOU	1	2.13	7	14.94
SOLANO	2	0.46	3	0.69
SONOMA	12	2.44	118	24.01
STANISLAUS	8	1.46	81	14.74
SUTTER	1	1.00	4	4.00
TEHAMA	1	1.55	1	1.55
TRINITY	0	0.00	0	0.00
TULARE	8	1.75	52	11.39
TUOLUMNE	0	0.00	0	0.00
VENTURA	3	0.35	4	0.47
YOLO	3	1.48	5	2.47
YUBA	1	1.27	3	3.82

*City health jurisdictions not included in county total

Figure 2. Incidence of pertussis cases by race/ethnicity and age -- California, 2010*

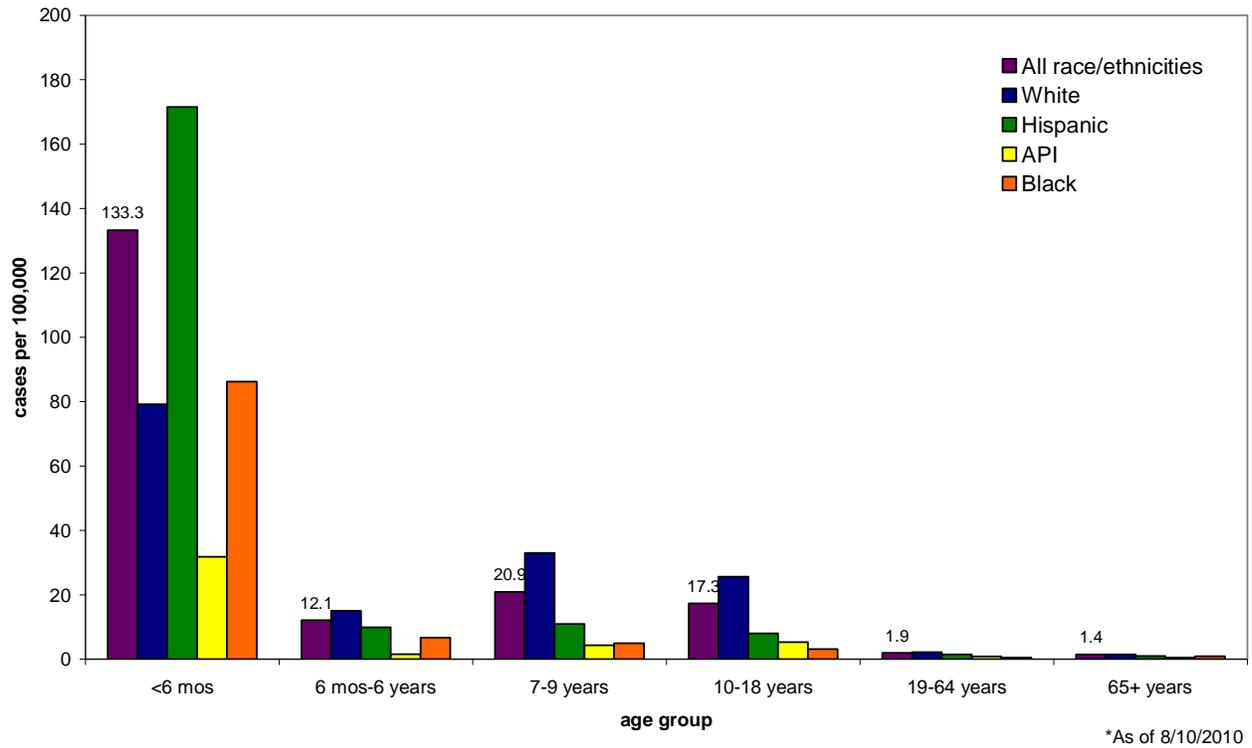


Table 2. Incidence per 100,000 population of reported pertussis cases*, by race/ethnicity and age -- California, January 1 - August 10, 2010

	<6 mos	6 mos-6 yrs	7-9 yrs	10-18 yrs	19-64 yrs	65+ yrs
White	79.2	15.0	33.0	25.6	2.2	1.5
Hispanic	171.5	9.9	10.9	8.0	1.5	1.0
API	31.8	1.5	4.3	5.3	0.8	0.5
Black	86.2	6.7	4.9	3.2	0.5	0.9

*out of 2045 cases with known information