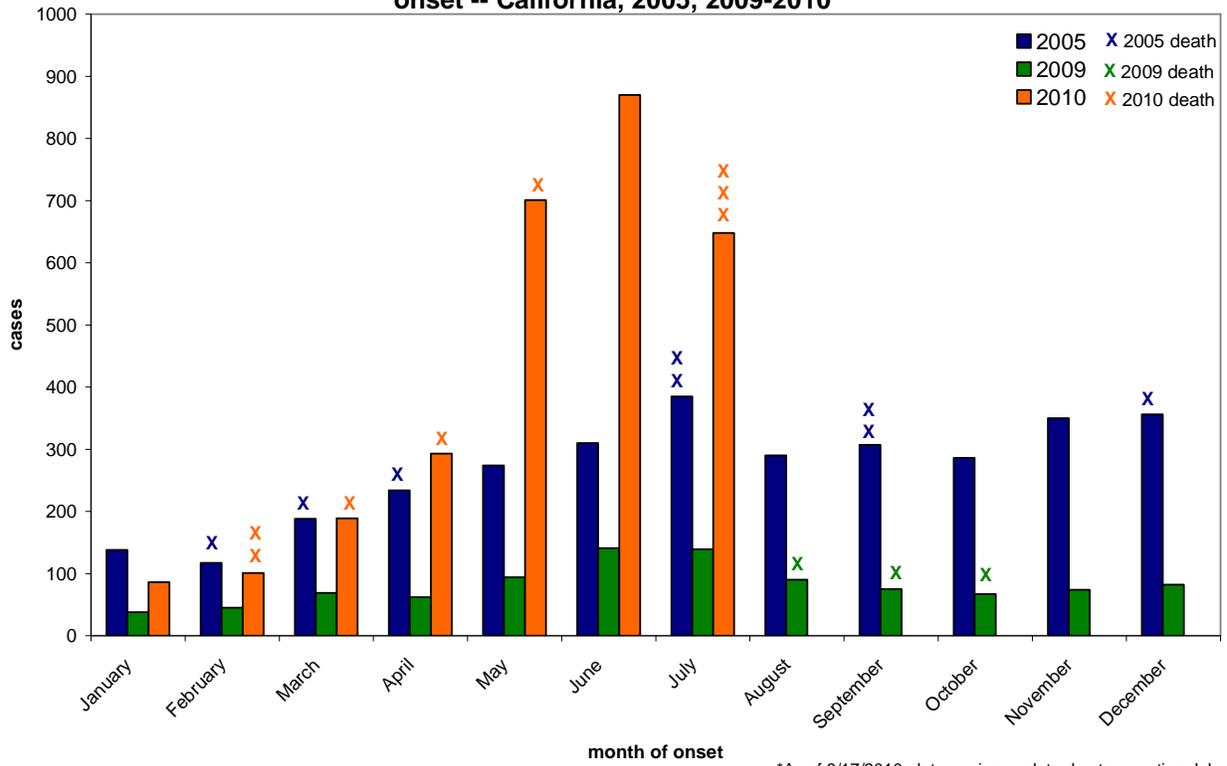


Pertussis Report
8/17/2010

- To date (8/17/2010), there have been **3,076** confirmed, probable and suspect cases of pertussis reported in 2010 for a state rate of **7.9 cases/100,000**. This is a **7-fold increase** from the number of reported cases during the same time period in 2009 when **434** cases were reported (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.
- 164 (12%) cases have been hospitalized (of the 1,377 cases with known hospitalization information); 97 (59%) of hospitalized cases were infants <3 months of age and 123 (75%) were infants <6 months of age.
- 8 deaths have been reported, 7 were in infants <2 months of age at time of disease onset and had not received any doses of pertussis-containing vaccine. One was an ex-28 week preemie that was 2 months of age and had received the first dose of DTaP 11 days prior to disease onset. The majority of infant cases in 2010 have occurred in infants <3 months of age.
- Rates are highest in infants <6 months of age (147 cases/100,000), in adolescents aged 7-9 years (24 cases/100,000) and 10-18 years (19 cases/100,000) (Figure 2).
- Overall rates by race/ethnicity are highest in whites (7.3/100,000), however age-specific rates indicate that the highest rates are seen in Hispanic infants <6 months of age (187/100,000) (Table 2).

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



*As of 8/17/2010; data are incomplete due to reporting delays

Table 1. Pertussis cases reported to CDPH from January 1 through August 17 by local health jurisdiction -- California, 2009, 2010

	2009		2010	
	Cases	Rate	Cases	Rate
CALIFORNIA	434	1.11	3076	7.86
ALAMEDA	9	0.63	133	9.28
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	8	3.53
CALAVERAS	7	14.83	6	12.71
COLUSA	0	0.00	7	30.04
CONTRA COSTA	10	0.94	70	6.57
DEL NORTE	0	0.00	16	52.23
EL DORADO	2	1.07	32	17.17
FRESNO	16	1.66	337	34.93
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	2	10.48
KERN	1	0.12	168	19.69
KINGS	3	1.86	16	9.94
LAKE	0	0.00	2	3.00
LASSEN	0	0.00	0	0.00
LOS ANGELES	82	0.84	73	0.74
City of Long Beach*	7	1.42	34	6.90
City of Pasadena*	0	0.00	6	4.00
MADERA	5	3.16	87	54.98
MARIN	7	2.76	280	110.45
MARIPOSA	0	0.00	3	15.84
MENDOCINO	4	4.33	13	14.06
MERCED	4	1.49	63	23.53
MODOC	0	0.00	0	0.00
MONO	0	0.00	1	6.85
MONTEREY	1	0.23	18	4.18
NAPA	2	1.42	13	9.23
NEVADA	0	0.00	3	2.95
ORANGE	10	0.31	199	6.24
PLACER	5	1.47	37	10.86
PLUMAS	0	0.00	2	9.20
RIVERSIDE	24	1.10	111	5.09
SACRAMENTO	11	0.77	58	4.04
SAN BENITO	2	3.20	1	1.60
SAN BERNARDINO	6	0.28	19	0.89
SAN DIEGO	78	2.46	267	8.43
SAN FRANCISCO	19	2.33	54	6.63
SAN JOAQUIN	4	0.55	36	4.97
SAN LUIS OBISPO	0	0.00	290	108.23
SAN MATEO	8	1.09	69	9.40
SANTA BARBARA	17	3.95	27	6.27
SANTA CLARA	10	0.55	132	7.24
SANTA CRUZ	22	8.25	43	16.12
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	4	0.92
SONOMA	12	2.44	131	26.66
STANISLAUS	9	1.64	89	16.20
SUTTER	2	2.00	4	4.00
TEHAMA	1	1.55	1	1.55
TRINITY	0	0.00	0	0.00
TULARE	8	1.75	54	11.83
TUOLUMNE	1	1.71	8	13.69
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*

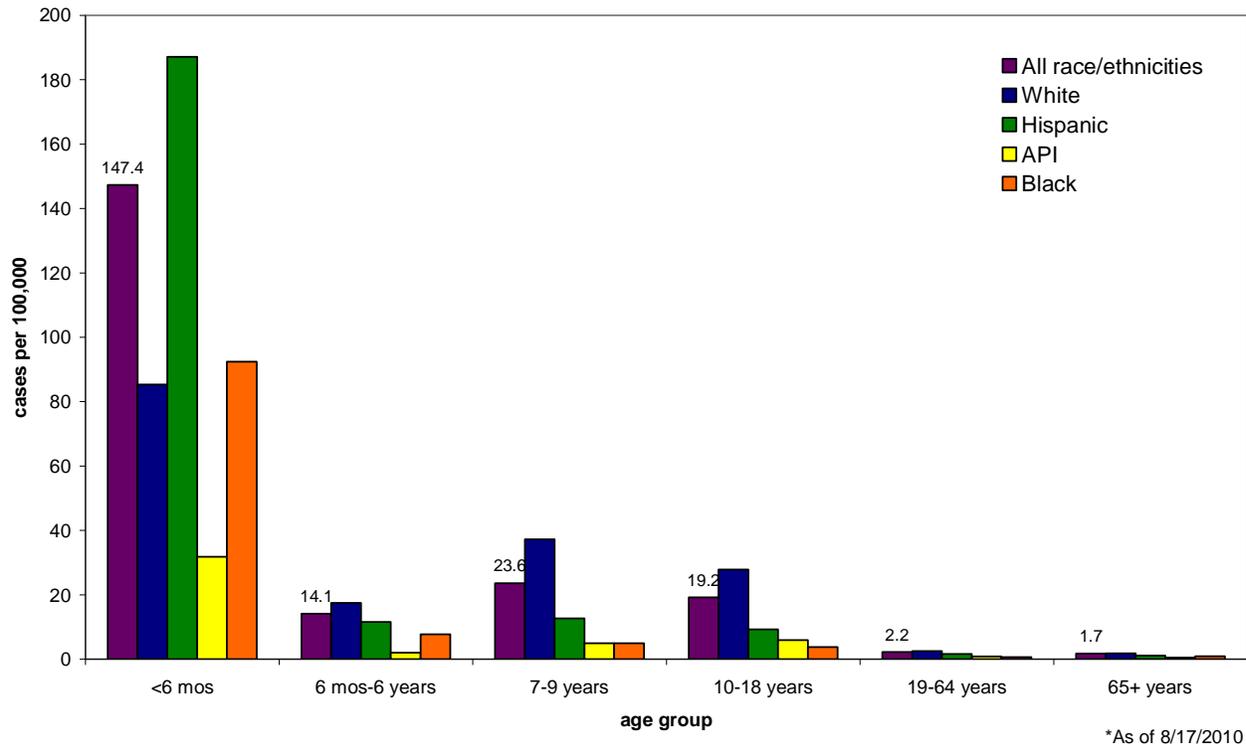


Table 2. Incidence per 100,000 population of reported pertussis cases*, by race/ethnicity and age -- California, January 1 - August 17, 2010

	<6 mos	6 mos-6 yrs	7-9 yrs	10-18 yrs	19-64 yrs	65+ yrs
White	85.3	17.5	37.2	27.8	2.5	1.8
Hispanic	187.1	11.6	12.6	9.3	1.6	1.1
API	31.8	2.0	5.0	5.9	0.8	0.5
Black	92.4	7.7	4.9	3.8	0.6	0.9

*out of 2345 cases with known information