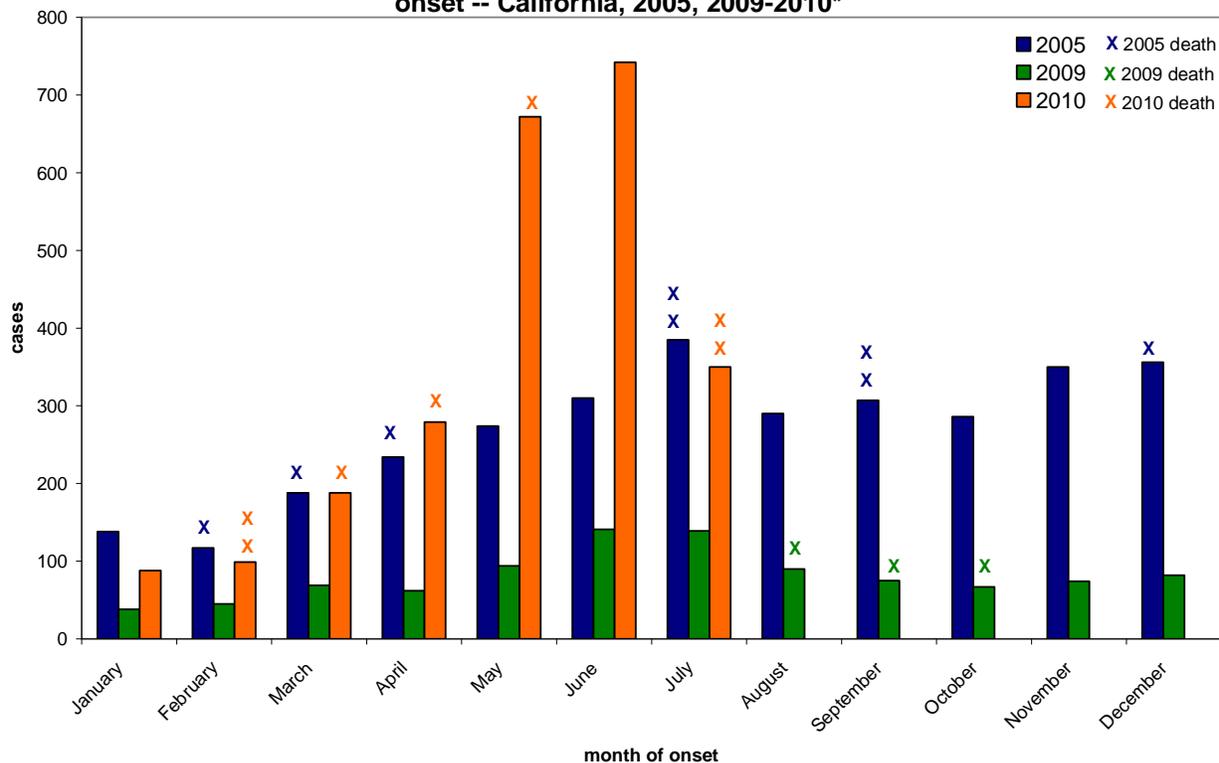


Pertussis Report  
8/3/2010

- To date (8/3/2010), there have been **2,492** cases of pertussis reported in 2010 for a state rate of **6.4 cases/100,000**. This is a **6-fold increase** from the number of reported cases during the same time period in 2009 when **392** 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.
- 134 (13%) cases have been hospitalized (however, hospitalization information is only available for 1,018 cases); 83 (62%) of hospitalized cases were infants <3 months of age and 106 (79%) 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 (1.2 case/1,000), in adolescents aged 7-9 years (18.8 cases/100,000) and 10-18 years (15.9 cases/100,000) (Figure 2).
- Overall rates by race/ethnicity are highest in Whites (5.9/100,000), however age-specific rates indicate that the highest rates are seen in Hispanic infants <6 months of age (1.6/1,000) (Table 2).

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



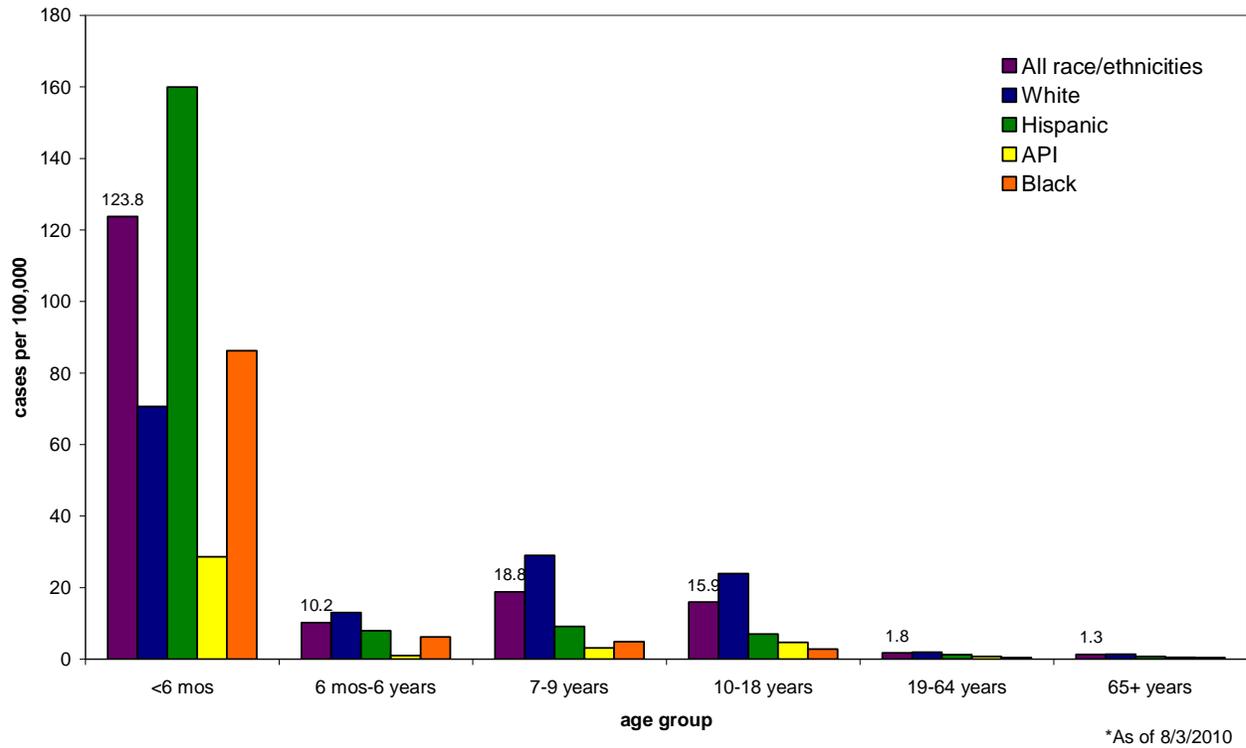
\*As of 8/3/2010; data are incomplete due to reporting delays

Table 1. Pertussis cases reported to CDPH from January 1 through August 3 by local health jurisdiction -- California, 2009, 2010

	2009		2010	
	Cases	Rate	Cases	Rate
<b>CALIFORNIA</b>	<b>392</b>	<b>1.00</b>	<b>2492</b>	<b>6.37</b>
ALAMEDA	9	0.63	108	7.53
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	5	2.20
CALAVERAS	7	14.83	3	6.36
COLUSA	0	0.00	7	30.04
CONTRA COSTA	6	0.56	57	5.35
DEL NORTE	0	0.00	16	52.23
EL DORADO	2	1.07	24	12.88
FRESNO	16	1.66	302	31.30
GLENN	0	0.00	0	0.00
HUMBOLDT	12	8.95	11	8.21
IMPERIAL	0	0.00	7	3.79
INYO	0	0.00	0	0.00
KERN	1	0.12	127	14.88
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	30	0.31
City of Long Beach*	6	1.22	22	4.47
City of Pasadena*	0	0.00	5	3.33
MADERA	5	3.16	60	37.91
MARIN	7	2.76	253	99.80
MARIPOSA	0	0.00	0	0.00
MENDOCINO	4	4.33	9	9.73
MERCED	4	1.49	51	19.05
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	9	6.39
NEVADA	0	0.00	1	0.98
ORANGE	10	0.31	163	5.11
PLACER	4	1.17	31	9.10
PLUMAS	0	0.00	0	0.00
RIVERSIDE	23	1.06	81	3.72
SACRAMENTO	10	0.70	38	2.64
SAN BENITO	2	3.20	1	1.60
SAN BERNARDINO	6	0.28	19	0.89
SAN DIEGO	62	1.96	216	6.82
SAN FRANCISCO	16	1.97	45	5.53
SAN JOAQUIN	2	0.28	19	2.62
SAN LUIS OBISPO	0	0.00	265	98.90
SAN MATEO	8	1.09	56	7.63
SANTA BARBARA	16	3.71	14	3.25
SANTA CLARA	9	0.49	100	5.48
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	4	8.54
SOLANO	2	0.46	3	0.69
SONOMA	12	2.44	98	19.94
STANISLAUS	8	1.46	78	14.20
SUTTER	1	1.00	3	3.00
TEHAMA	1	1.55	1	1.55
TRINITY	0	0.00	0	0.00
TULARE	8	1.75	49	10.73
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 3, 2010**

	<6 mos	6 mos-6 yrs	7-9 yrs	10-18 yrs	19-64 yrs	65+ yrs
White	70.7	13.0	29.0	23.9	1.9	1.4
Hispanic	160.0	7.9	9.1	7.0	1.3	0.8
API	28.6	1.0	3.1	4.7	0.7	0.5
Black	86.2	6.2	4.9	2.8	0.4	0.5

\*out of 1820 cases with known information