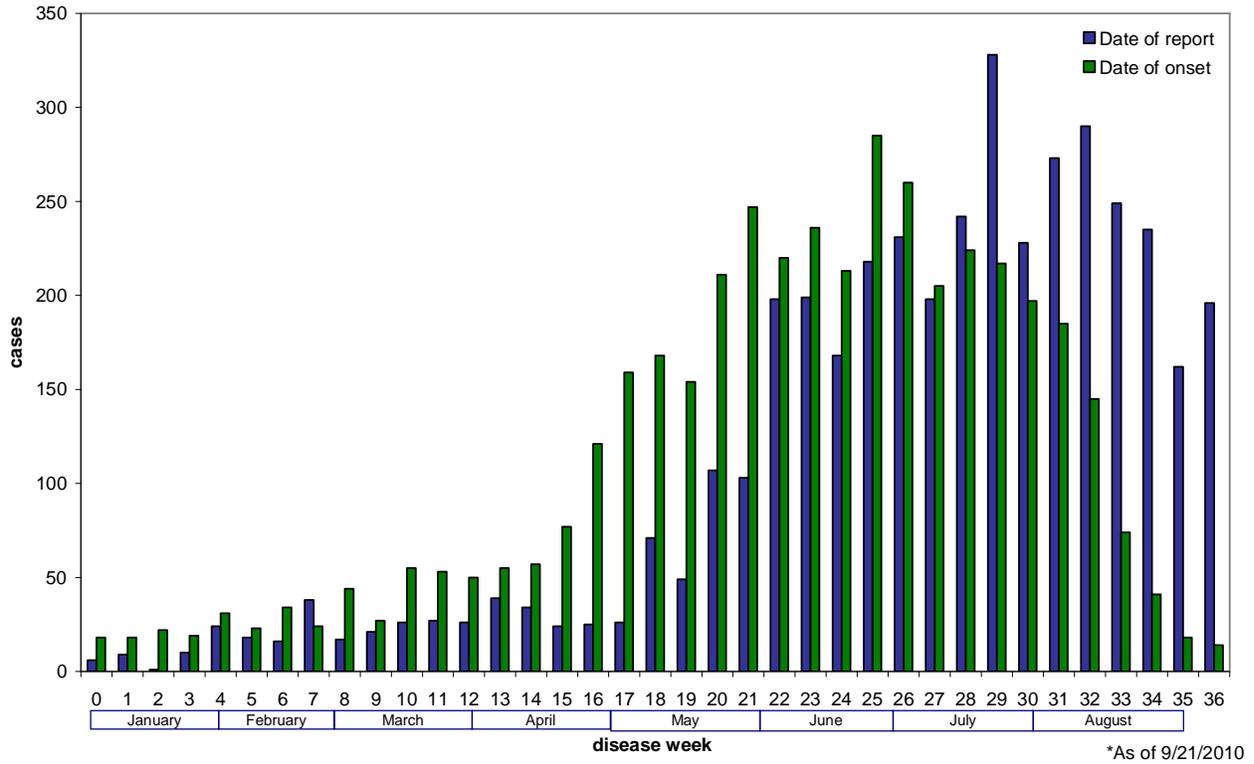


Pertussis Report  
9/21/2010

- As of 9/21/2010, there have been **4,223** confirmed, probable and suspect cases of pertussis reported in 2010 for a state rate of **10.8 cases/100,000**.
  - 4,193 of reported cases had disease onset in 2010.
  - 206 new cases have been reported this week, compared to 183 in the prior week (Figure 1)
  - Case Classification:
    - Confirmed: ~63%
    - Probable: ~20%
    - Suspect: ~17%
- This is the most cases reported in 55 years when 4,949 cases were reported in 1955 and the highest incidence in 48 years when a rate of 10.9 cases/100,000 was reported in 1962. Previously, the peak was in 2005 when there were 3,182 cases reported (Figure 2).
- Of the 44% of cases with known hospitalization information - 202 (11%) cases have been hospitalized
  - 119 (59%) of hospitalized cases were infants <3 months of age and 151 (75%) were infants <6 months of age.
  - 117 (77%) of the hospitalized infants <6 months of age were Hispanic.
- Nine deaths have been reported; 8 (89%) were Hispanic infants. Eight fatalities were infants <2 months of age at time of disease onset and had not received any doses of pertussis-containing vaccine and the remainder was an ex-28 week preemie that was 2 months of age and had received the first dose of DTaP only 15 days prior to disease onset. The majority of infant cases in 2010 have occurred in infants <3 months of age (Figure 3).
- Rates are highest in infants <6 months of age (195 cases/100,000), in children aged 7-9 years (34 cases/100,000) and adolescents aged 10-18 years (25 cases/100,000) (Figure 4). The majority of adolescent cases are in 10-11 year-olds.
- Overall rates by race/ethnicity are highest in whites (10.3/100,000), however age-specific rates indicate that the highest rates are seen in Hispanic infants <6 months of age (239.3/100,000) ( Figures 3 and 4).
- The median case rate by county is 10.2 cases per 100,000 (range 0-130) (Figure 5 and Table 1).

**Figure 1. Epidemic curve of pertussis cases\* by week of report and week of onset -- California, January 1 through September 21, 2010**



**Figure 2. Number of reported pertussis cases by year of onset -- California 1950-2010\***

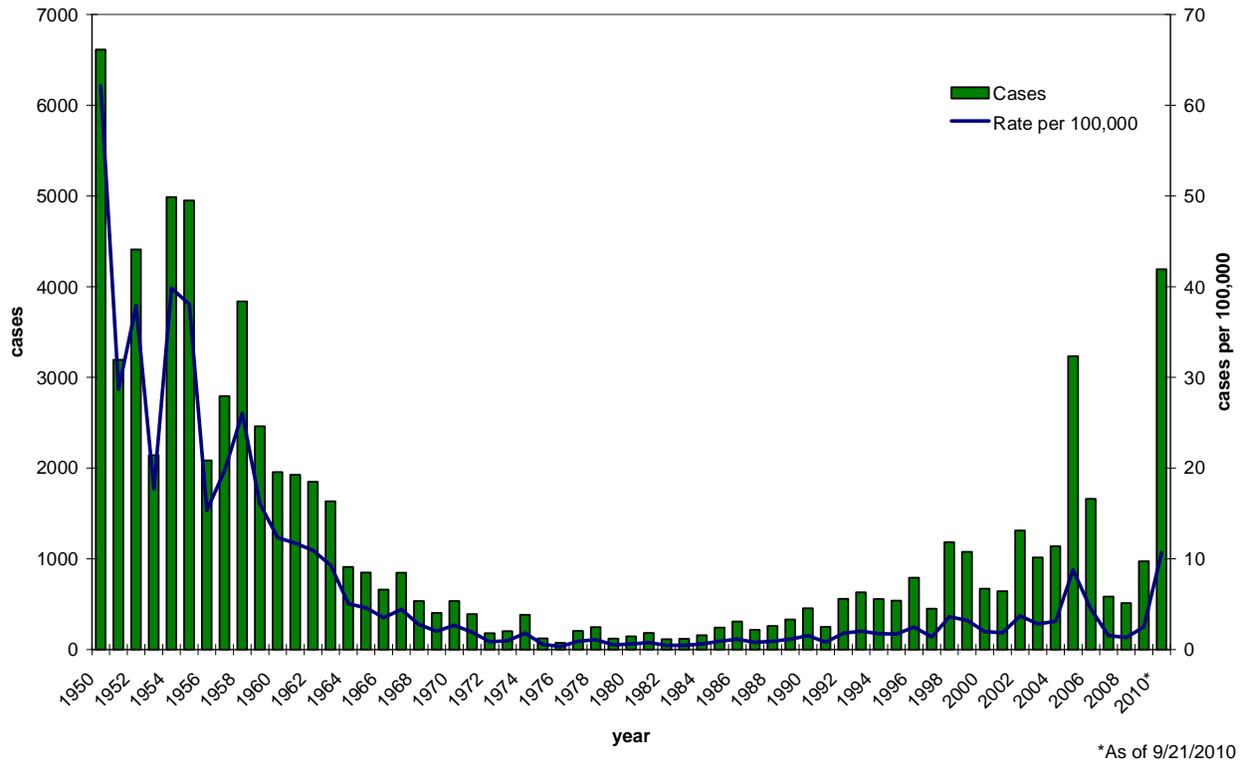


Figure 3. Infant pertussis cases by age in months -- California, 2010\*

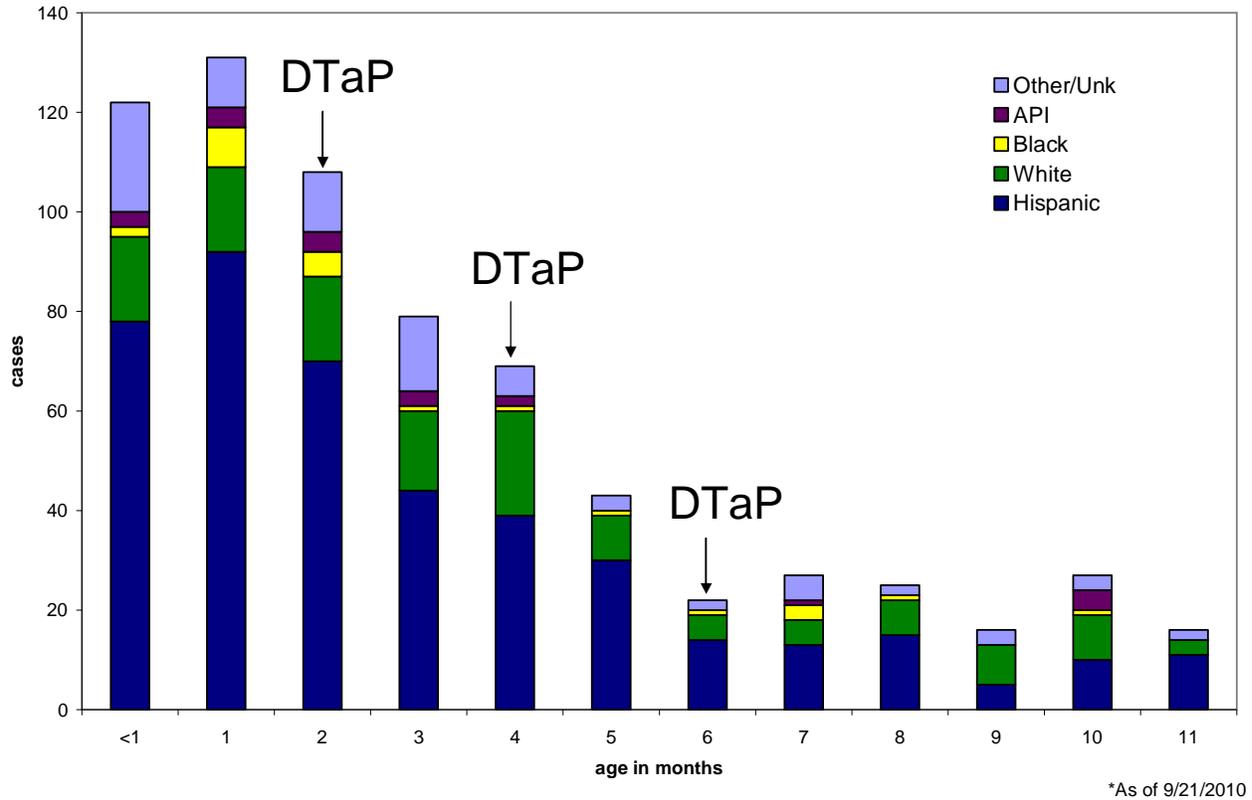


Figure 4. Incidence of pertussis cases by race/ethnicity and age -- California, 2010\*

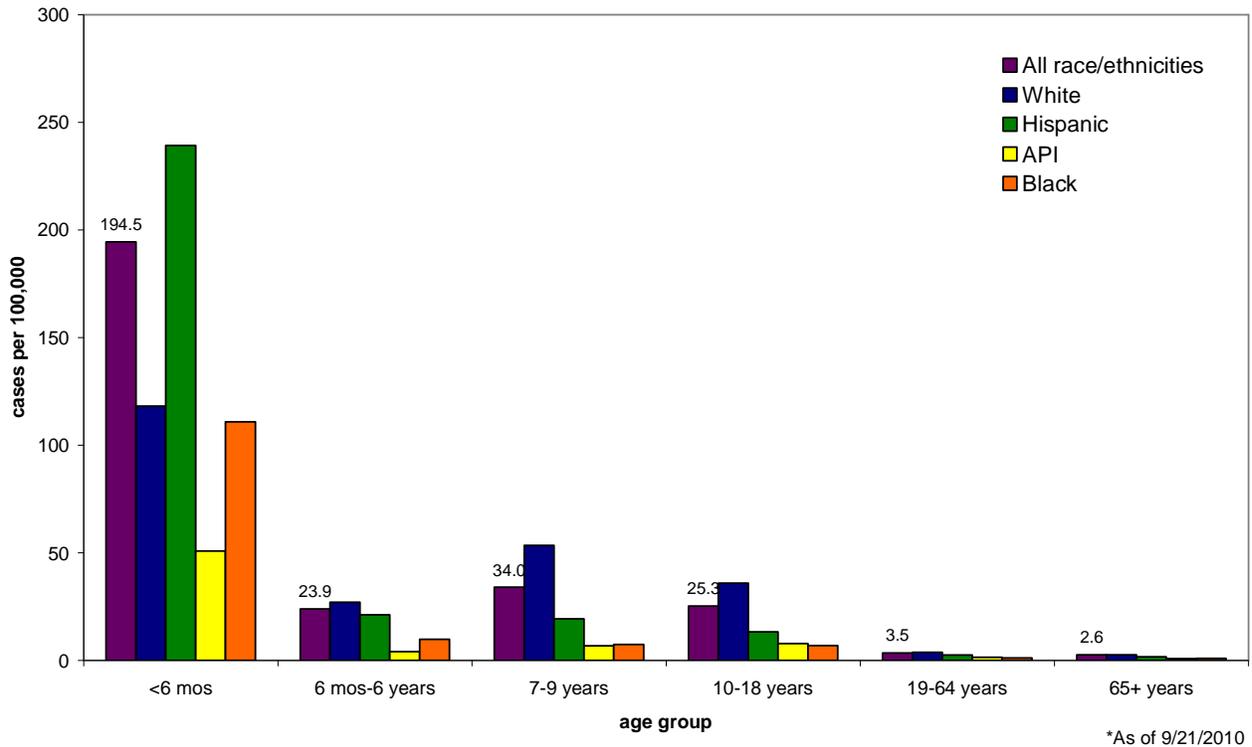


Figure 5. Pertussis rates by county – California, January 1 – September 21, 2010

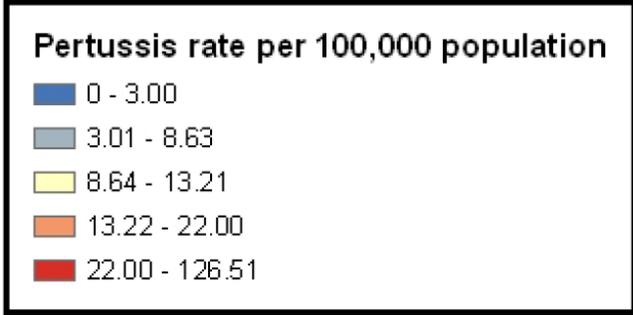
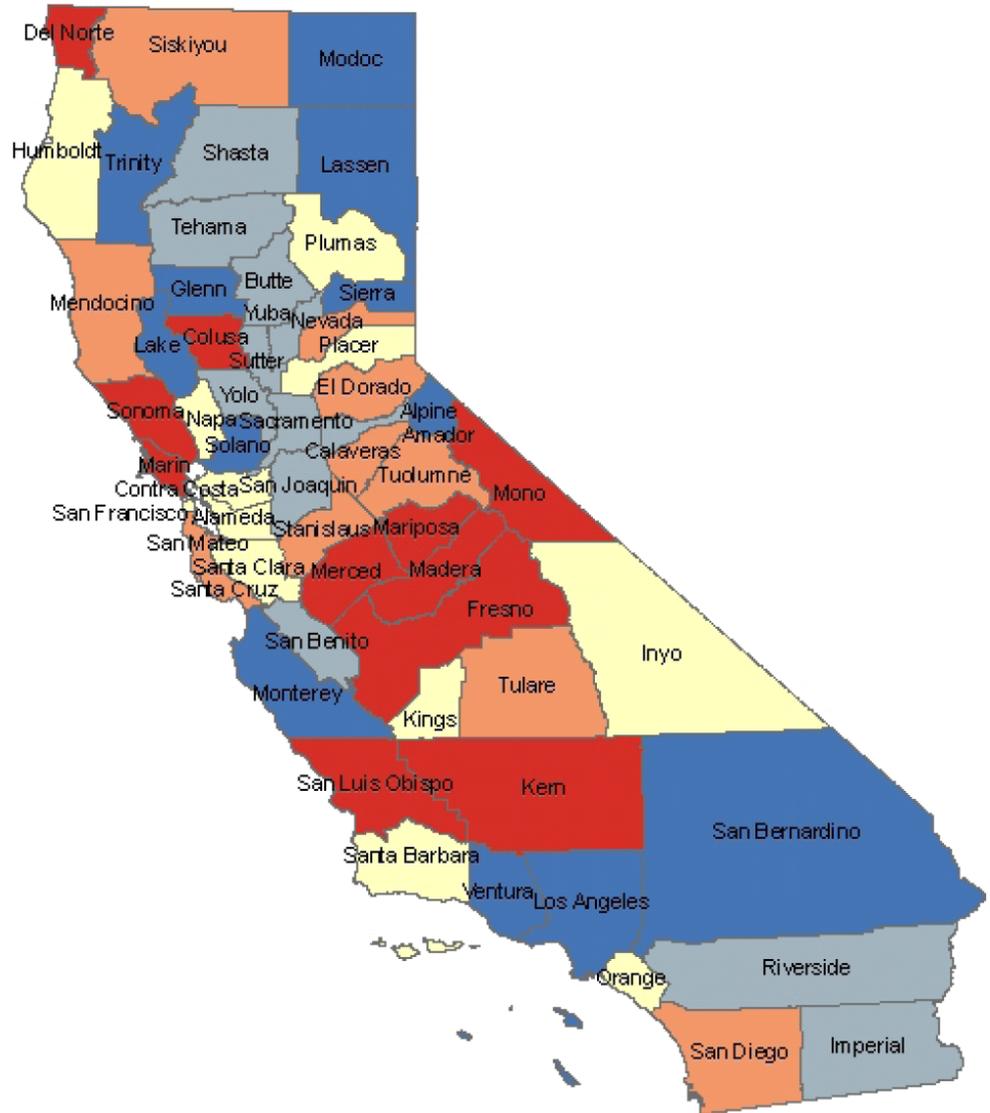


Table 1. Pertussis cases reported to CDPH from January 1 through September 21 by local health jurisdiction -- California, 2010

	2010	
	Cases	Rate
<b>CALIFORNIA</b>	<b>4223</b>	<b>10.79</b>
ALAMEDA	195	13.60
City of Berkeley*	9	8.40
ALPINE	0	0.00
AMADOR	3	7.53
BUTTE	17	7.49
CALAVERAS	7	14.83
COLUSA	9	38.62
CONTRA COSTA	109	10.24
DEL NORTE	16	52.23
EL DORADO	40	21.47
FRESNO	374	38.77
GLENN	0	0.00
HUMBOLDT	16	11.94
IMPERIAL	8	4.33
INYO	2	10.48
KERN	244	28.60
KINGS	21	13.04
LAKE	2	3.00
LASSEN	0	0.00
LOS ANGELES	95	0.97
City of Long Beach*	47	9.54
City of Pasadena*	11	7.32
MADERA	103	65.09
MARIN	296	116.76
MARIPOSA	10	52.81
MENDOCINO	16	17.30
MERCED	91	33.99
MODOC	0	0.00
MONO	5	34.27
MONTEREY	19	4.41
NAPA	18	12.78
NEVADA	15	14.73
ORANGE	297	9.31
PLACER	45	13.21
PLUMAS	2	9.20
RIVERSIDE	196	9.00
SACRAMENTO	77	5.36
SAN BENITO	3	4.80
SAN BERNARDINO	38	1.78
SAN DIEGO	418	13.19
SAN FRANCISCO	74	9.09
SAN JOAQUIN	51	7.04
SAN LUIS OBISPO	347	129.50
SAN MATEO	98	13.35
SANTA BARBARA	45	10.45
SANTA CLARA	210	11.51
SANTA CRUZ	57	21.37
SHASTA	9	4.76
SIERRA	0	0.00
SISKIYOU	7	14.94
SOLANO	11	2.52
SONOMA	195	39.68
STANISLAUS	106	19.29
SUTTER	4	4.00
TEHAMA	1	1.55
TRINITY	0	0.00
TULARE	82	17.96
TUOLUMNE	9	15.40
VENTURA	20	2.36
YOLO	19	9.37
YUBA	4	5.10

\*City health jurisdictions not included in county total