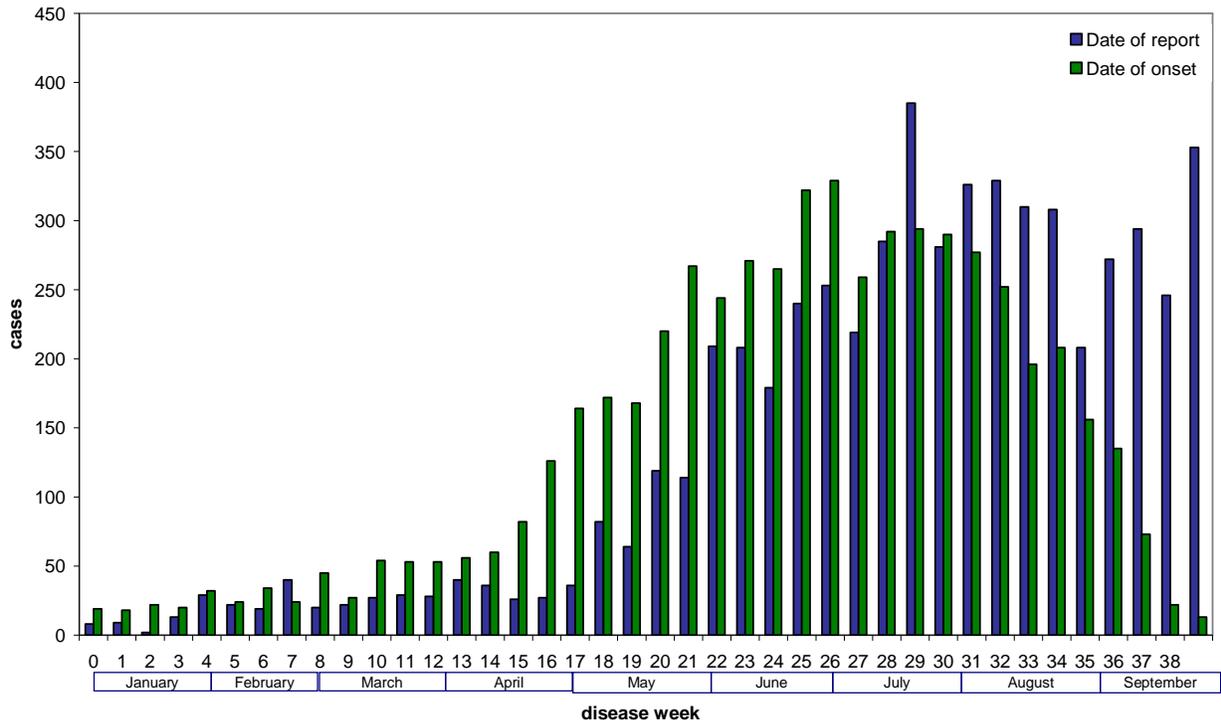


Pertussis Report
10/12/2010

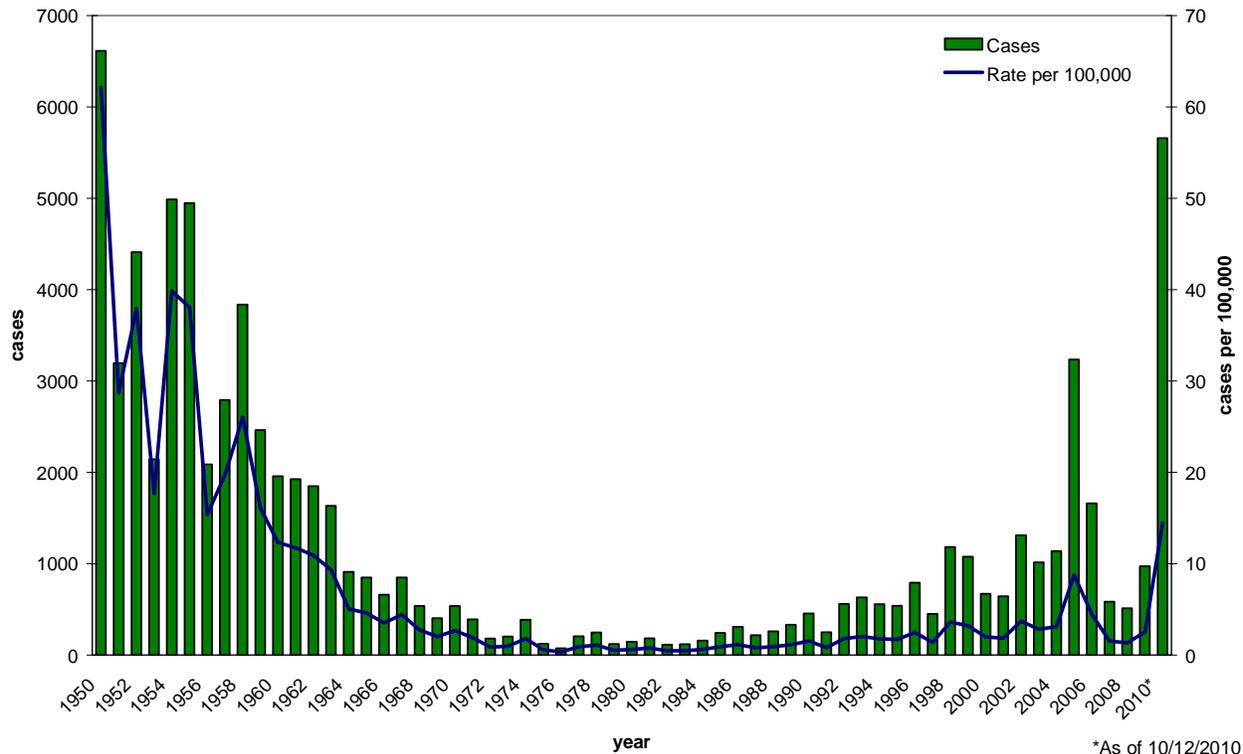
- As of 10/12/2010, there have been **5,658** confirmed, probable and suspect cases of pertussis with onset from January 1 through October 12, 2010 reported to CDPH for a state rate of **14.5 cases/100,000**.
 - 406 new cases have been reported to CDPH this week (Figure 1).
 - Case Classification:
 - Confirmed: ~66%
 - Probable: ~17%
 - Suspect: ~17%
- This is the most cases reported in 60 years when 6,613 cases were reported in 1950 and the highest incidence in 51 years when a rate of 16.1 cases/100,000 was reported in 1959. Previously, the peak was in 2005 when there were 3,182 cases reported (Figure 2).
- Of the 40% of cases with known hospitalization information, 236 (10%) cases have been hospitalized
 - 137 (58%) of hospitalized cases were infants <3 months of age and 175 (74%) were infants <6 months of age.
 - 134 (77%) of the hospitalized infants <6 months of age with known race and ethnicity 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 (280.6 cases/100,000), in children aged 6 months to 6 years (34.3 cases/100,000), 7-9 years (43.1 cases/100,000) and adolescents aged 10-18 years (31.7 cases/100,000) (Figure 4). The majority of adolescent cases are in 10-11 year-olds.
- Overall rates by race/ethnicity are highest in Hispanics (14.7/100,000) and whites (11.8/100,000), however age-specific rates indicate that the highest rates are seen in Hispanic infants <6 months of age (352.5/100,000) (Figures 3 and 4).
- The median case rate by county is 11.2 cases per 100,000 (range 0-134) (Figure 5 and Table 1).

Figure 1. Epidemic curve of pertussis cases* by weeks of report and onset -- California, January 1 through October 12, 2010



*Includes cases residing in Los Angeles County that were reported to the county public health department from Jan 1- Sep 24, 2010

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



*As of 10/12/2010

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

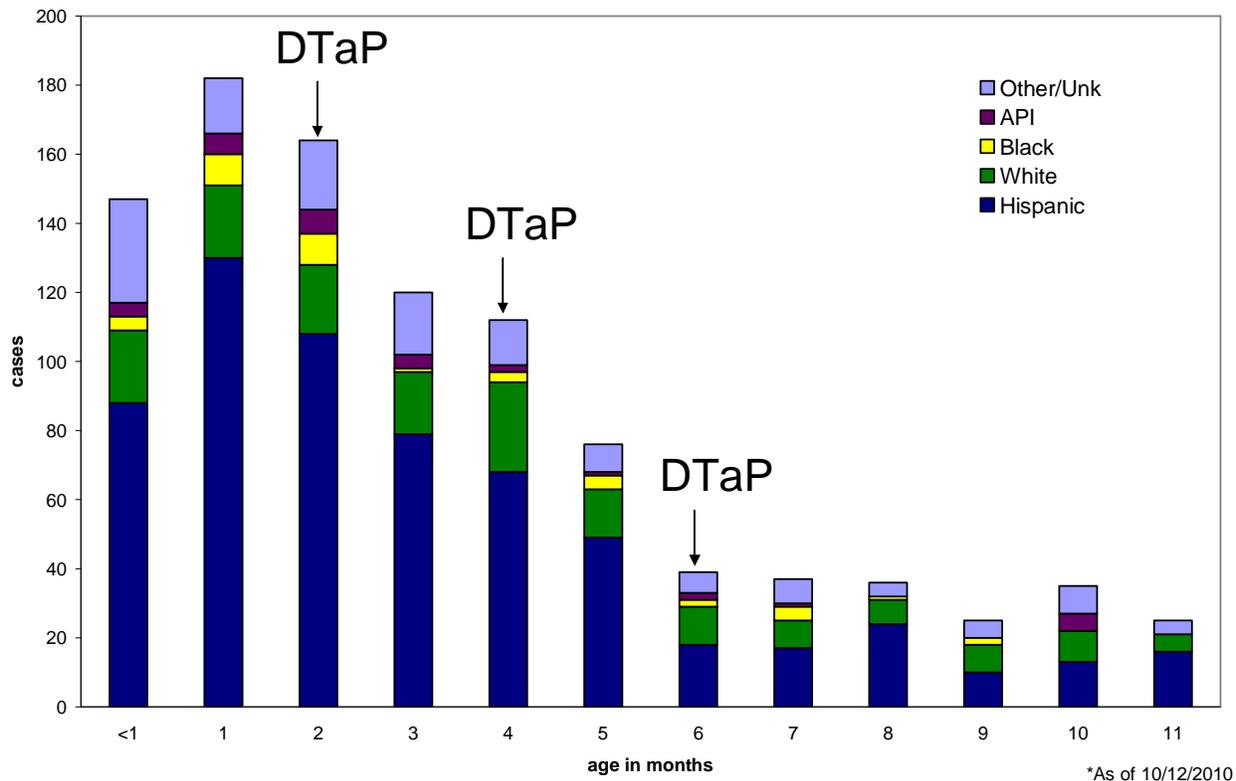


Figure 4. Incidence of pertussis cases by race/ethnicity and age -- California, 2010*

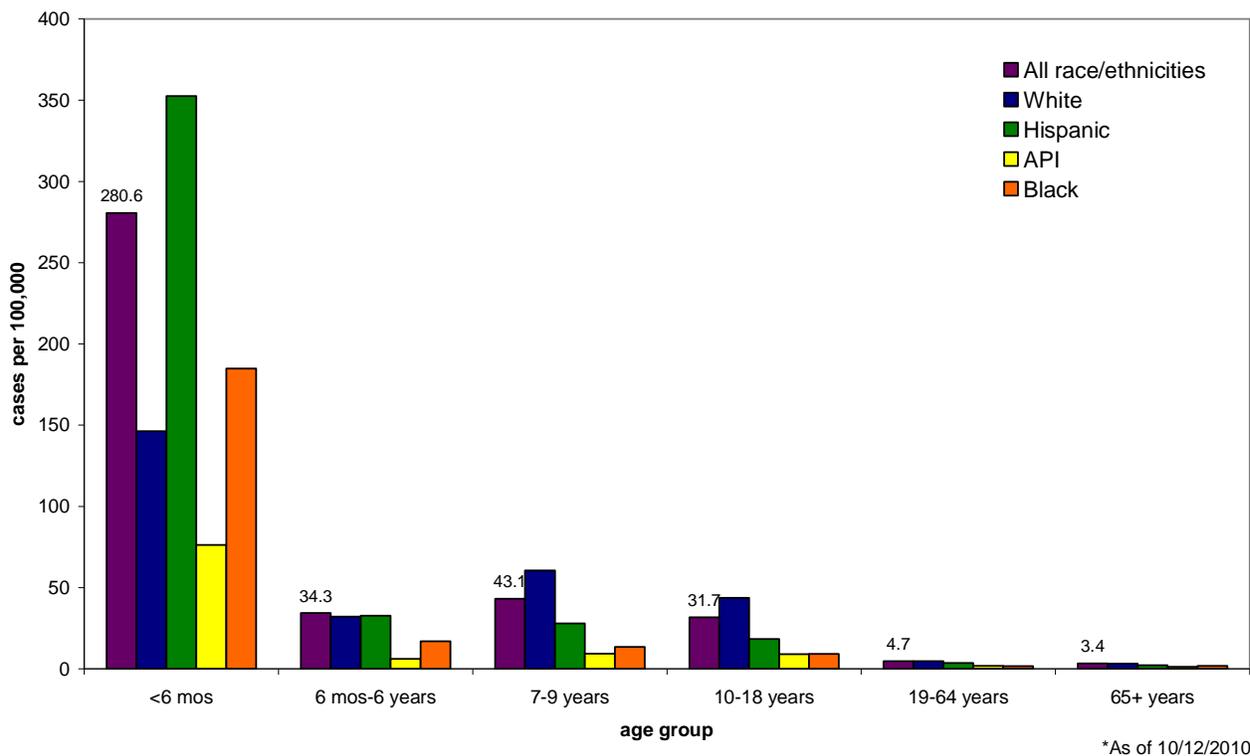


Figure 5. Pertussis rates by county – California, January 1 – October 12, 2010

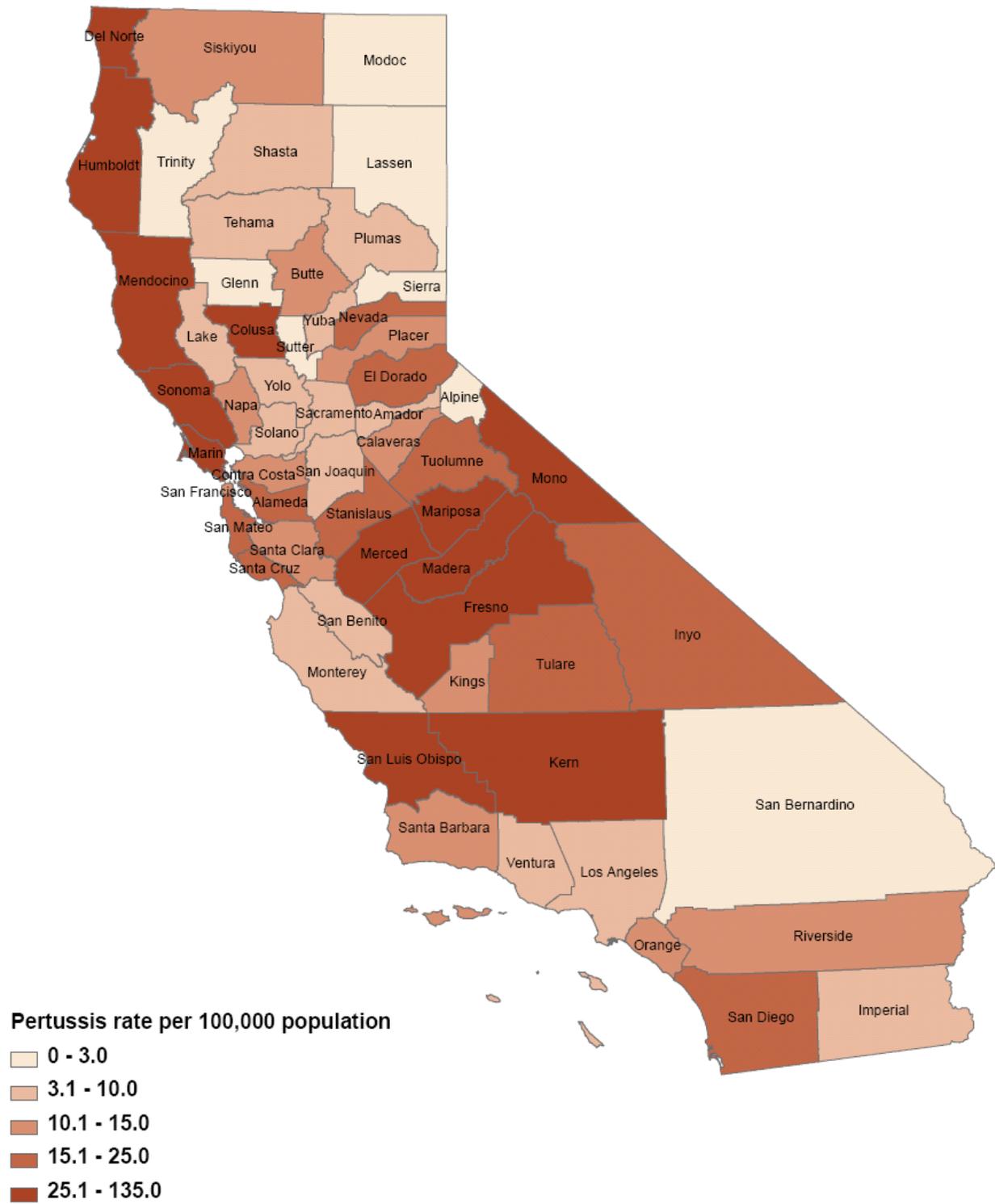


Table 1. Pertussis cases with onset from January 1 through October 12, 2010 reported to CDPH by local health jurisdiction -- California, 2010

	2010	
	Cases	Rate
CALIFORNIA	5658	14.46
ALAMEDA	249	17.37
City of Berkeley*	9	8.40
ALPINE	0	0.00
AMADOR	3	7.53
BUTTE	23	10.14
CALAVERAS	7	14.83
COLUSA	11	47.20
CONTRA COSTA	128	12.02
DEL NORTE	16	52.23
EL DORADO	40	21.47
FRESNO	464	48.10
GLENN	0	0.00
HUMBOLDT	36	26.86
IMPERIAL	9	4.87
INYO	3	15.72
KERN	292	34.22
KINGS	18	11.18
LAKE	3	4.50
LASSEN	0	0.00
LOS ANGELES**	749	7.64
City of Long Beach*	52	10.55
City of Pasadena*	13	8.66
MADERA	112	70.77
MARIN	314	123.86
MARIPOSA	10	52.81
MENDOCINO	24	25.96
MERCED	105	39.22
MODOC	0	0.00
MONO	5	34.27
MONTEREY	24	5.58
NAPA	19	13.49
NEVADA	22	21.61
ORANGE	339	10.63
PLACER	46	13.50
PLUMAS	2	9.20
RIVERSIDE	232	10.65
SACRAMENTO	109	7.58
SAN BENITO	3	4.80
SAN BERNARDINO	61	2.86
SAN DIEGO	525	16.57
SAN FRANCISCO	87	10.69
SAN JOAQUIN	55	7.60
SAN LUIS OBISPO	360	134.35
SAN MATEO	116	15.80
SANTA BARBARA	52	12.07
SANTA CLARA	263	14.42
SANTA CRUZ	59	22.12
SHASTA	17	8.99
SIERRA	0	0.00
SISKIYOU	7	14.94
SOLANO	14	3.21
SONOMA	212	43.14
STANISLAUS	125	22.75
SUTTER	3	3.00
TEHAMA	6	9.28
TRINITY	0	0.00
TULARE	110	24.09
TUOLUMNE	9	15.40
VENTURA	64	7.56
YOLO	18	8.88
YUBA	4	5.10

*City health jurisdictions not included in county total

**Includes cases reported to LAC DPH as of 9/24/2010