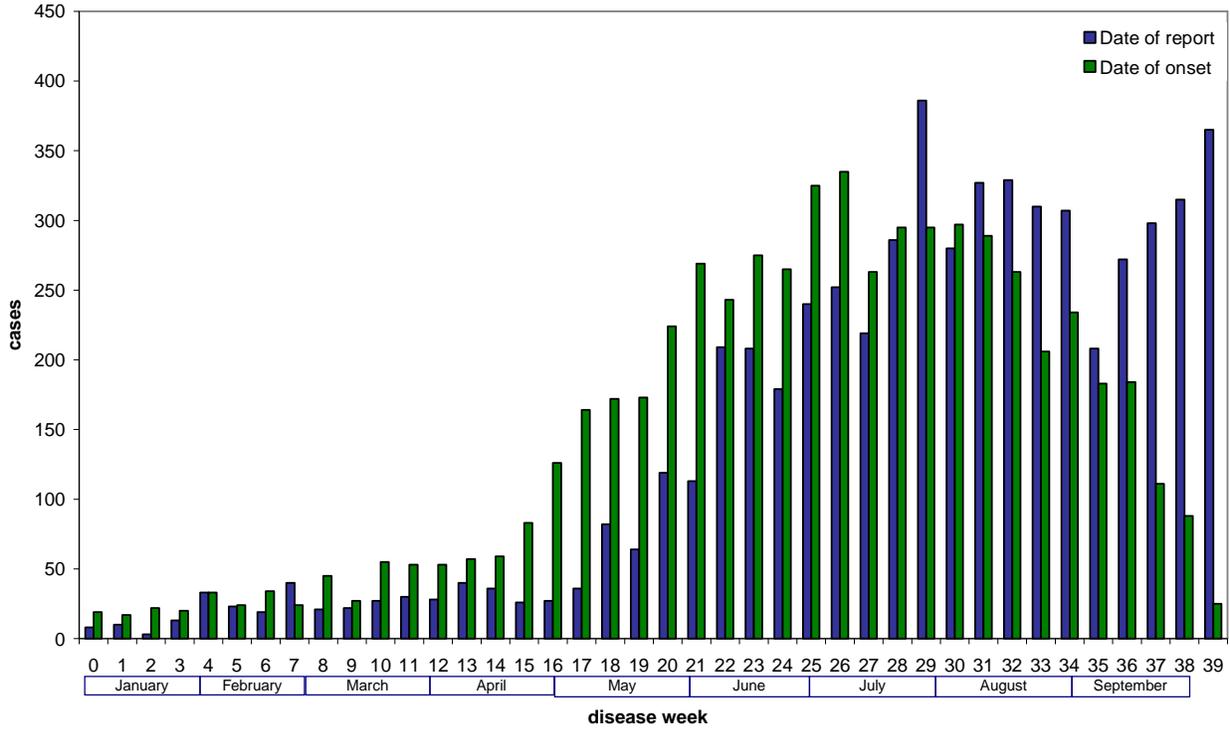


Pertussis Report
10/19/2010

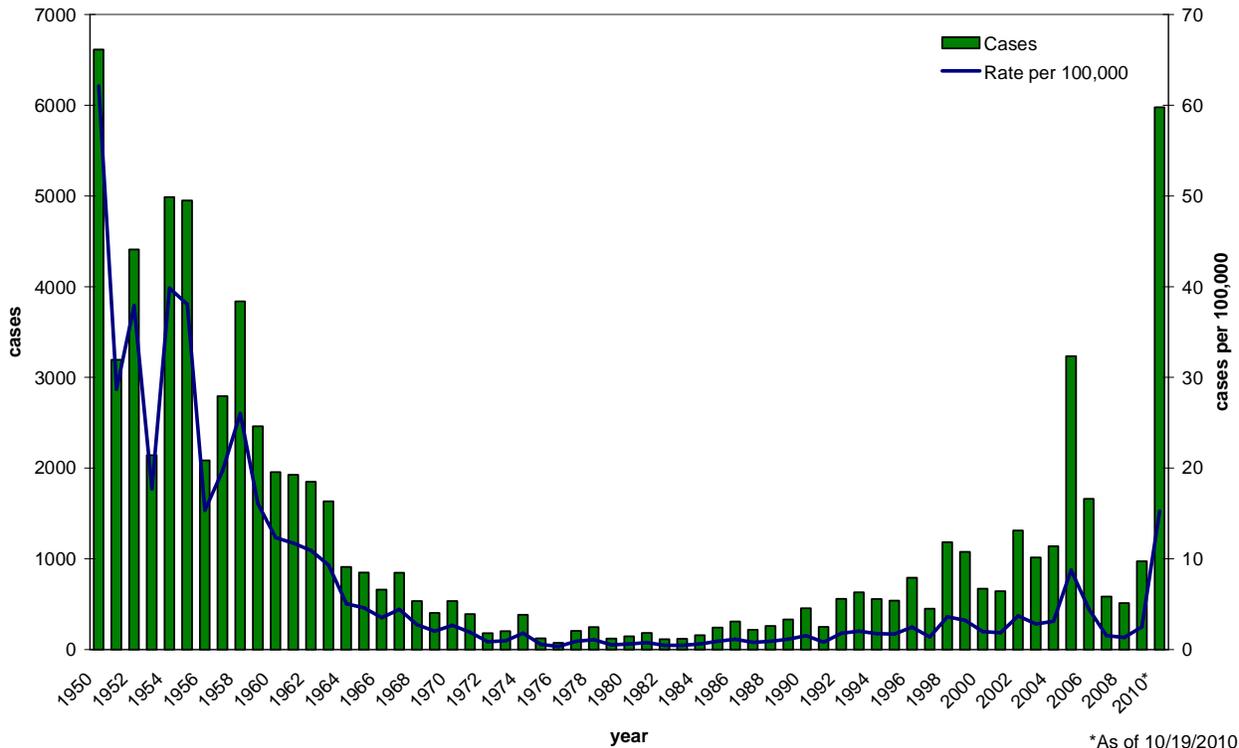
- As of 10/19/2010, there have been **5,978** confirmed, probable and suspect cases of pertussis with onset from January 1 through October 19, 2010 reported to CDPH for a state rate of **15.3 cases/100,000**.
 - 320 new cases have been reported to CDPH this week (Figure 1).
 - Case Classification:
 - Confirmed: ~67%
 - Probable: ~16%
 - 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, 255 (11%) cases have been hospitalized
 - 146 (57%) of hospitalized cases were infants <3 months of age and 189 (74%) were infants <6 months of age.
 - 143 (76%) of the hospitalized infants <6 months of age with known race and ethnicity were Hispanic.
- Ten deaths have been reported; 9 (90%) were Hispanic infants. Nine 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 (294.7 cases/100,000), in children aged 6 months to 6 years (36.3 cases/100,000), 7-9 years (45.2 cases/100,000) and adolescents aged 10-18 years (33.2 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 (15.5/100,000) and whites (13.1/100,000), however age-specific rates indicate that the highest rates are seen in Hispanic infants <6 months of age (370.1/100,000) (Figures 3 and 4).
- The median case rate by county is 12.4 cases per 100,000 (range 0-135) (Figure 5 and Table 1).

Figure 1. Epidemic curve of pertussis cases* by weeks of report and onset -- California, January 1 through October 19, 2010



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

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



*As of 10/19/2010

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

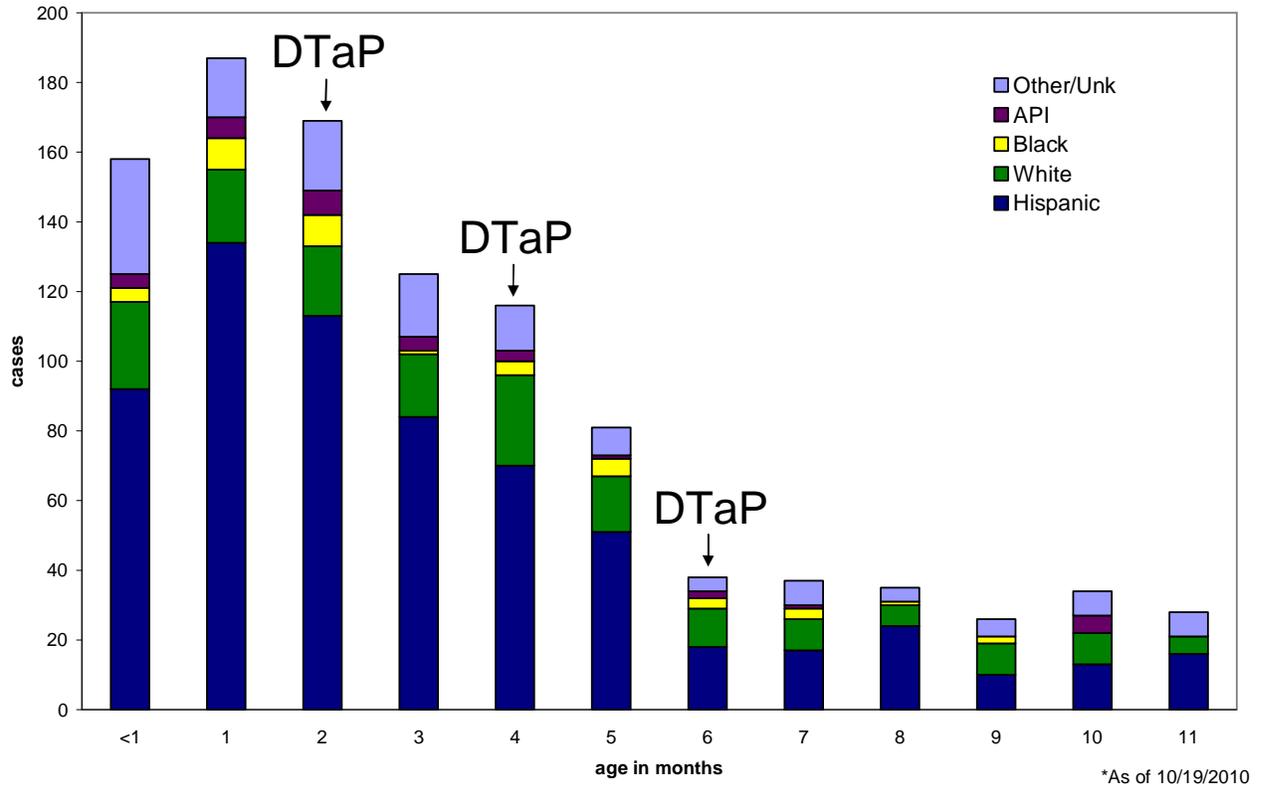


Figure 4. Incidence of pertussis cases by race/ethnicity and age -- California, 2010*

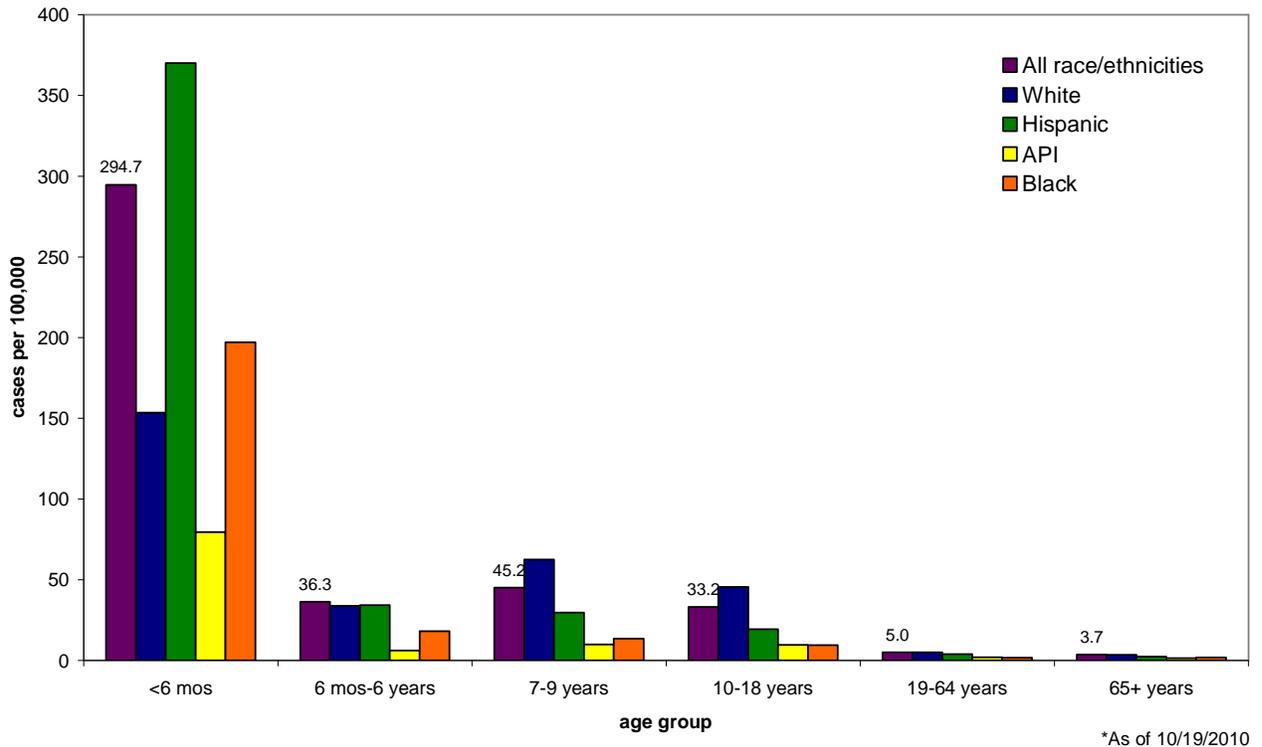


Figure 5. Pertussis rates by county – California, January 1 – October 19, 2010

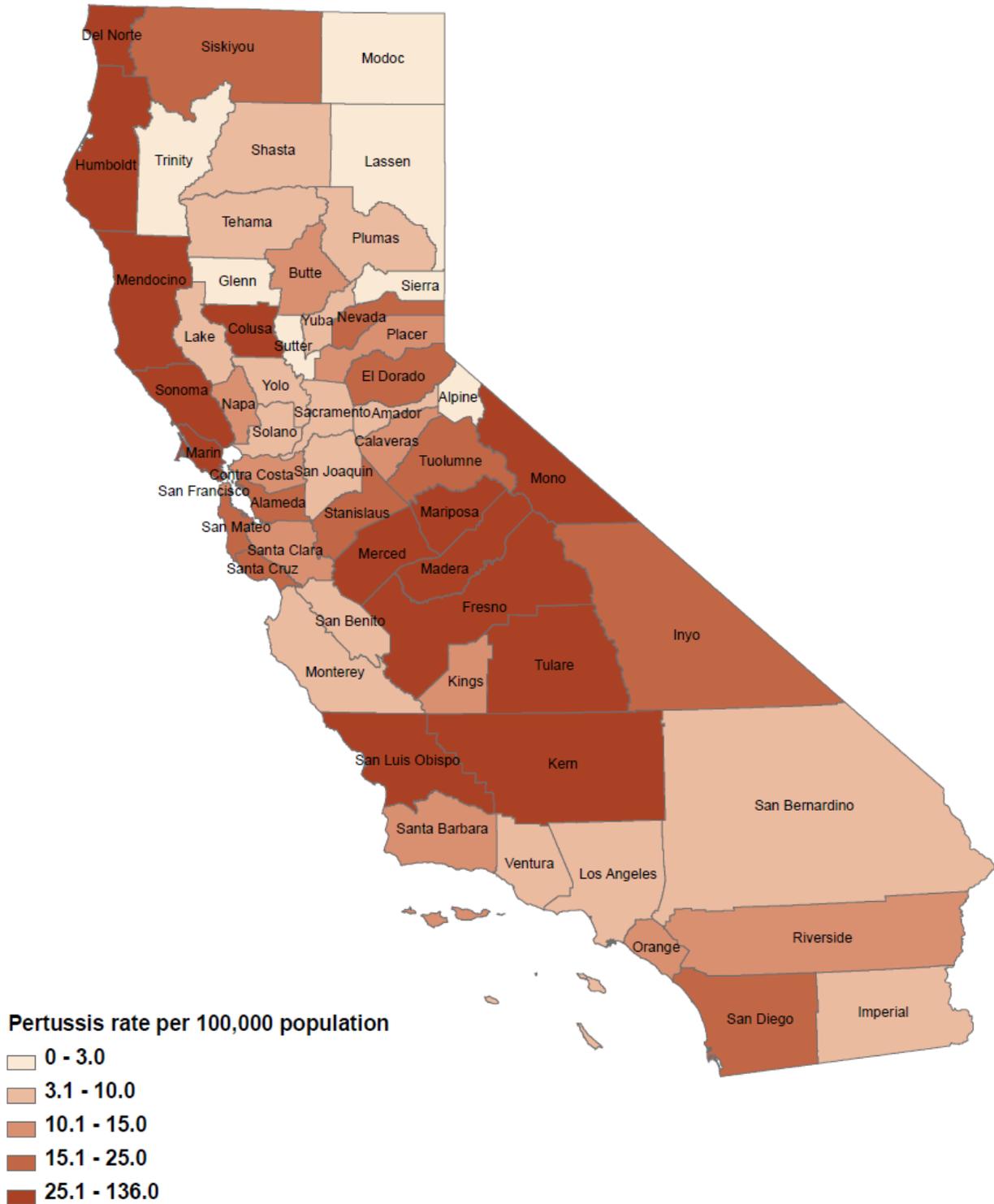


Table 1. Pertussis cases with onset from January 1 through October 19, 2010 reported to CDPH by local health jurisdiction -- California, 2010

	2010	
	Cases	Rate
CALIFORNIA	5978	15.28
ALAMEDA	265	18.49
City of Berkeley*	9	8.40
ALPINE	0	0.00
AMADOR	3	7.53
BUTTE	27	11.90
CALAVERAS	7	14.83
COLUSA	11	47.20
CONTRA COSTA	133	12.49
DEL NORTE	16	52.23
EL DORADO	42	22.54
FRESNO	489	50.69
GLENN	0	0.00
HUMBOLDT	40	29.85
IMPERIAL	9	4.87
INYO	3	15.72
KERN	299	35.04
KINGS	18	11.18
LAKE	3	4.50
LASSEN	0	0.00
LOS ANGELES**	830	8.46
City of Long Beach*	61	12.38
City of Pasadena*	15	9.99
MADERA	116	73.30
MARIN	317	125.04
MARIPOSA	10	52.81
MENDOCINO	24	25.96
MERCED	105	39.22
MODOC	0	0.00
MONO	5	34.27
MONTEREY	42	9.76
NAPA	19	13.49
NEVADA	23	22.59
ORANGE	375	11.76
PLACER	49	14.38
PLUMAS	2	9.20
RIVERSIDE	255	11.70
SACRAMENTO	118	8.21
SAN BENITO	3	4.80
SAN BERNARDINO	77	3.60
SAN DIEGO	543	17.13
SAN FRANCISCO	88	10.81
SAN JOAQUIN	55	7.60
SAN LUIS OBISPO	362	135.10
SAN MATEO	119	16.21
SANTA BARBARA	54	12.54
SANTA CLARA	272	14.91
SANTA CRUZ	62	23.24
SHASTA	20	10.58
SIERRA	0	0.00
SISKIYOU	10	21.34
SOLANO	14	3.21
SONOMA	213	43.34
STANISLAUS	127	23.12
SUTTER	3	3.00
TEHAMA	6	9.28
TRINITY	0	0.00
TULARE	115	25.19
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 10/1/2010