

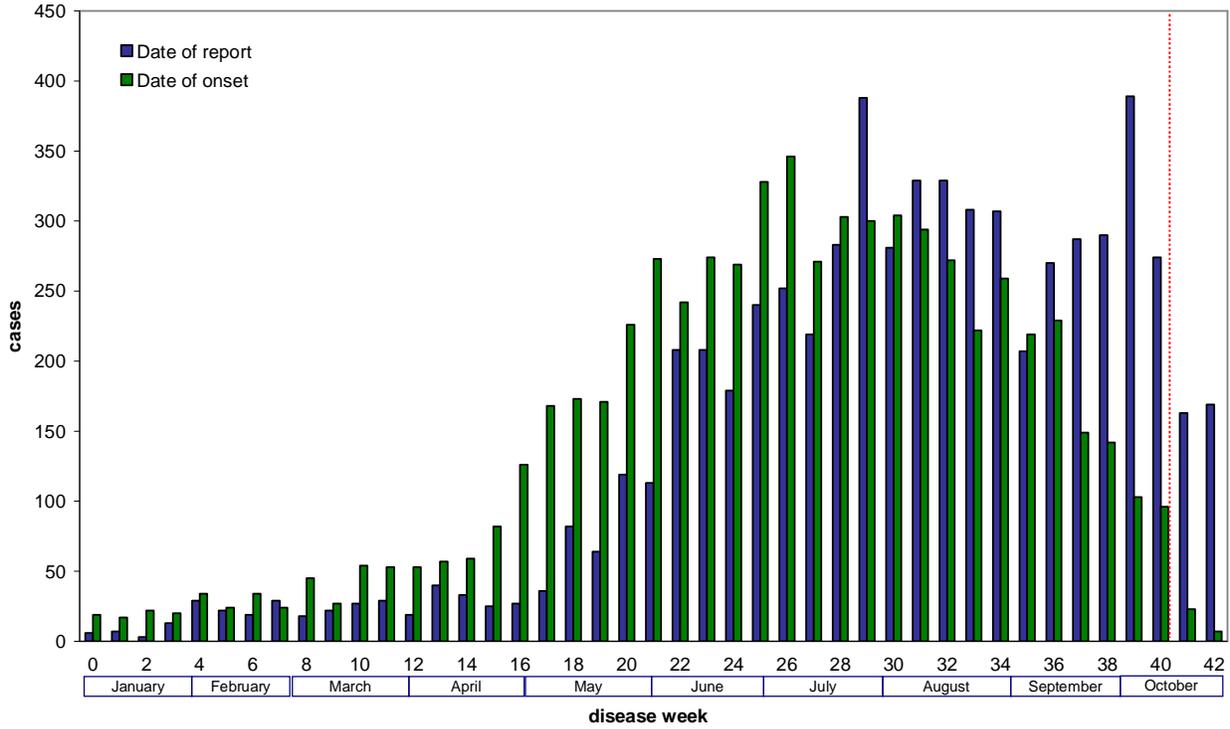


Pertussis Report

November 2, 2010

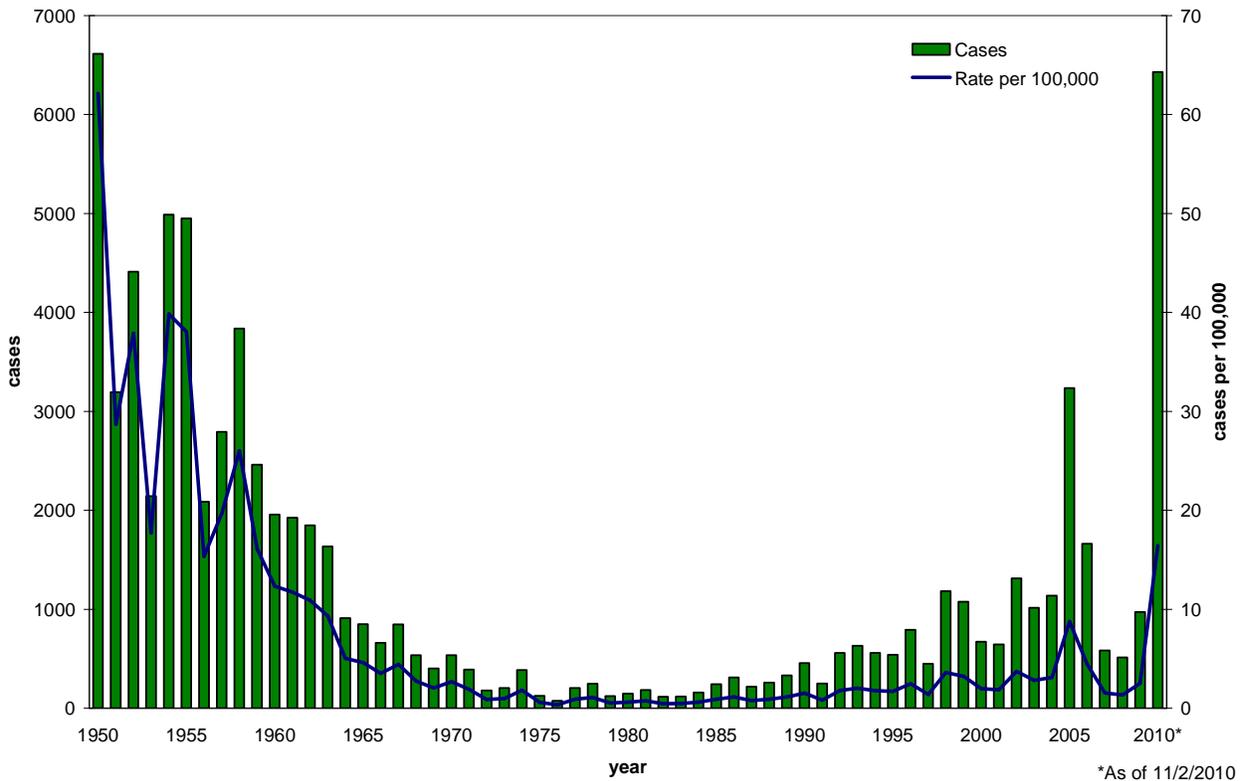
- As of 11/2/2010, there have been **6,431** confirmed, probable and suspect cases of pertussis with onset from January 1 through November 2, 2010 reported to CDPH for a state rate of **16.4 cases/100,000**.
 - 174 new cases have been reported to CDPH this week (Figure 1).
 - Case Classification:
 - 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 52 years when a rate of 26.0 cases/100,000 was reported in 1958. Previously, the peak was in 2005 when there were 3,182 cases reported (Figure 2).
- Of the 39% of cases with known hospitalization information, 273 (11%) cases have been hospitalized
 - 158 (58%) of hospitalized cases were infants <3 months of age and 205 (75%) were infants <6 months of age.
 - 156 (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 (322.5 cases/100,000), in children aged 6 months to 6 years (39.56 cases/100,000), 7-9 years (48.8 cases/100,000) and adolescents aged 10-18 years (35.5 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 (16.9/100,000) and whites (14.1/100,000), however age-specific rates indicate that the highest rates are seen in Hispanic infants <6 months of age (398.6/100,000) (Figures 3 and 4).
- The median case rate by county is 13.3 cases per 100,000 (range 0-138) (Figure 5 and Table 1).

Figure 1. Epidemic curve of pertussis cases* by weeks of report and onset -- California, January 1 through November 2, 2010



*Includes cases residing in Los Angeles County that were reported to the county public health department through week 40

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



*As of 11/2/2010

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

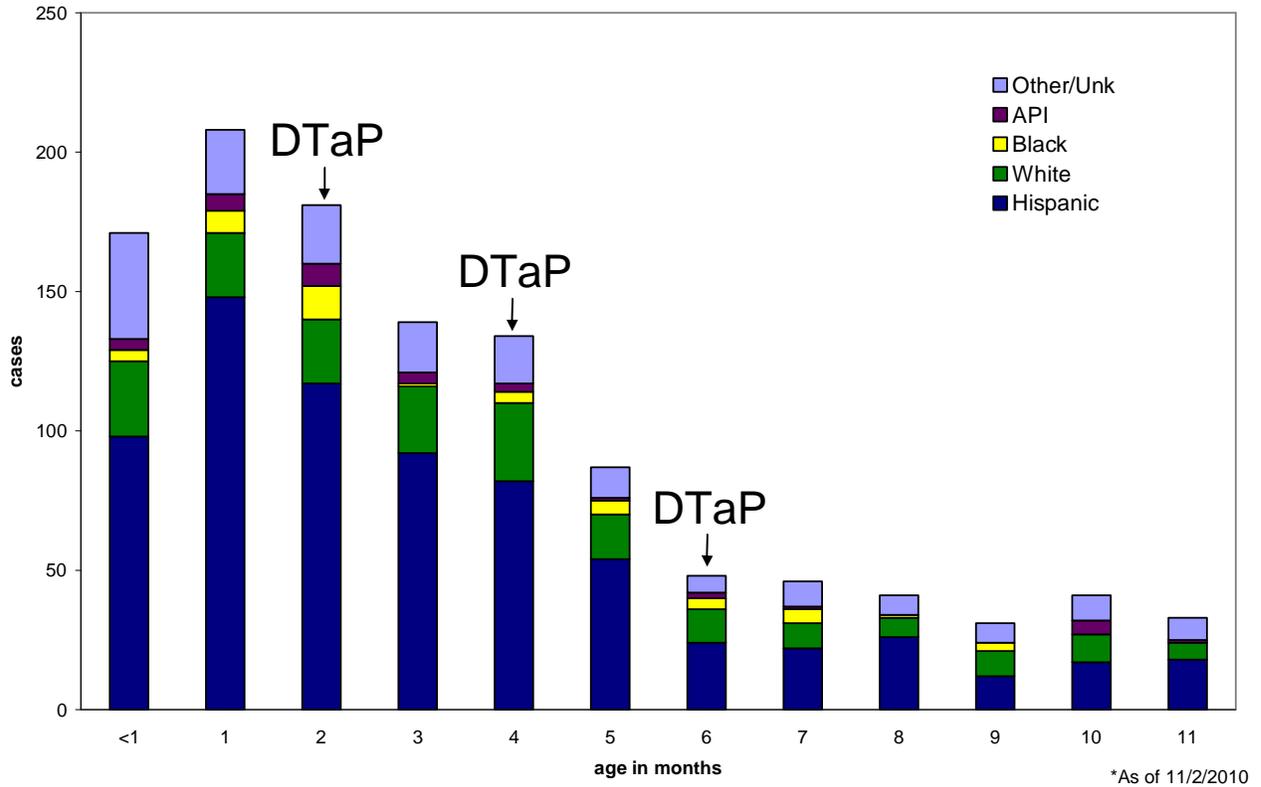


Figure 4. Incidence of pertussis cases by race/ethnicity and age -- California, 2010*

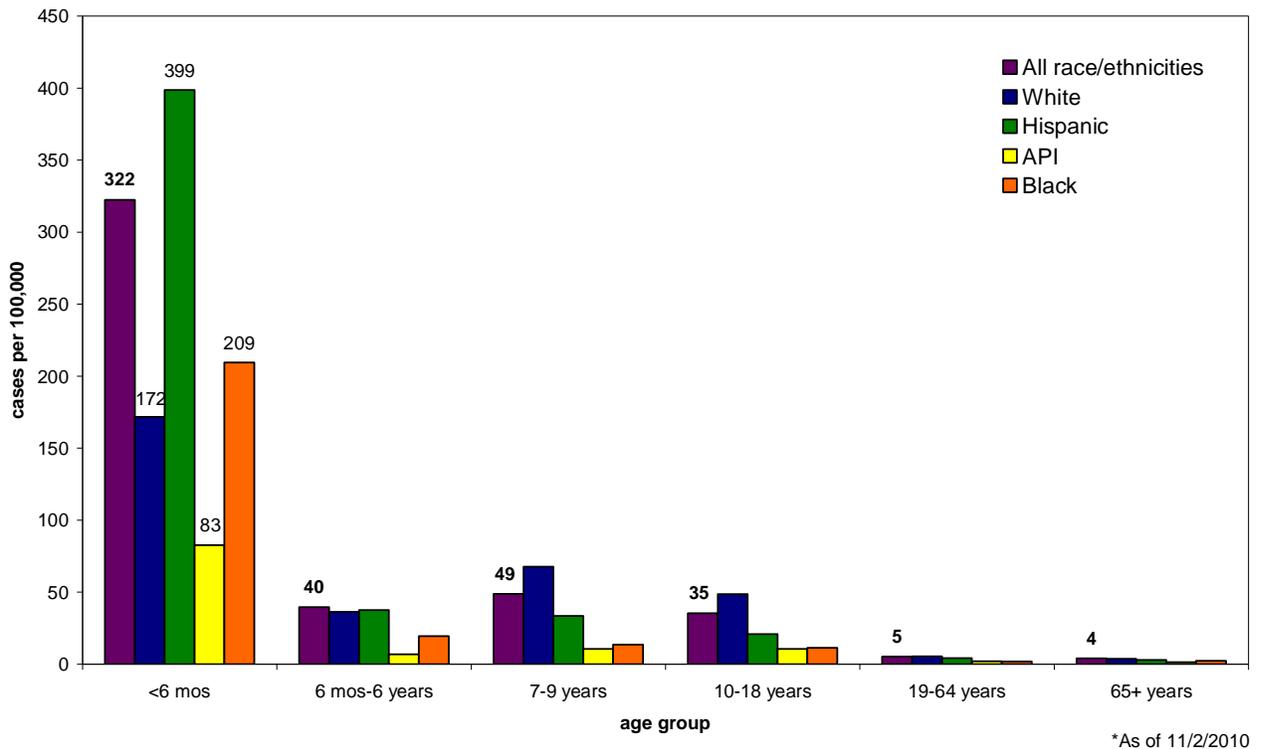


Figure 5. Pertussis rates by county – California, January 1 – November 2, 2010

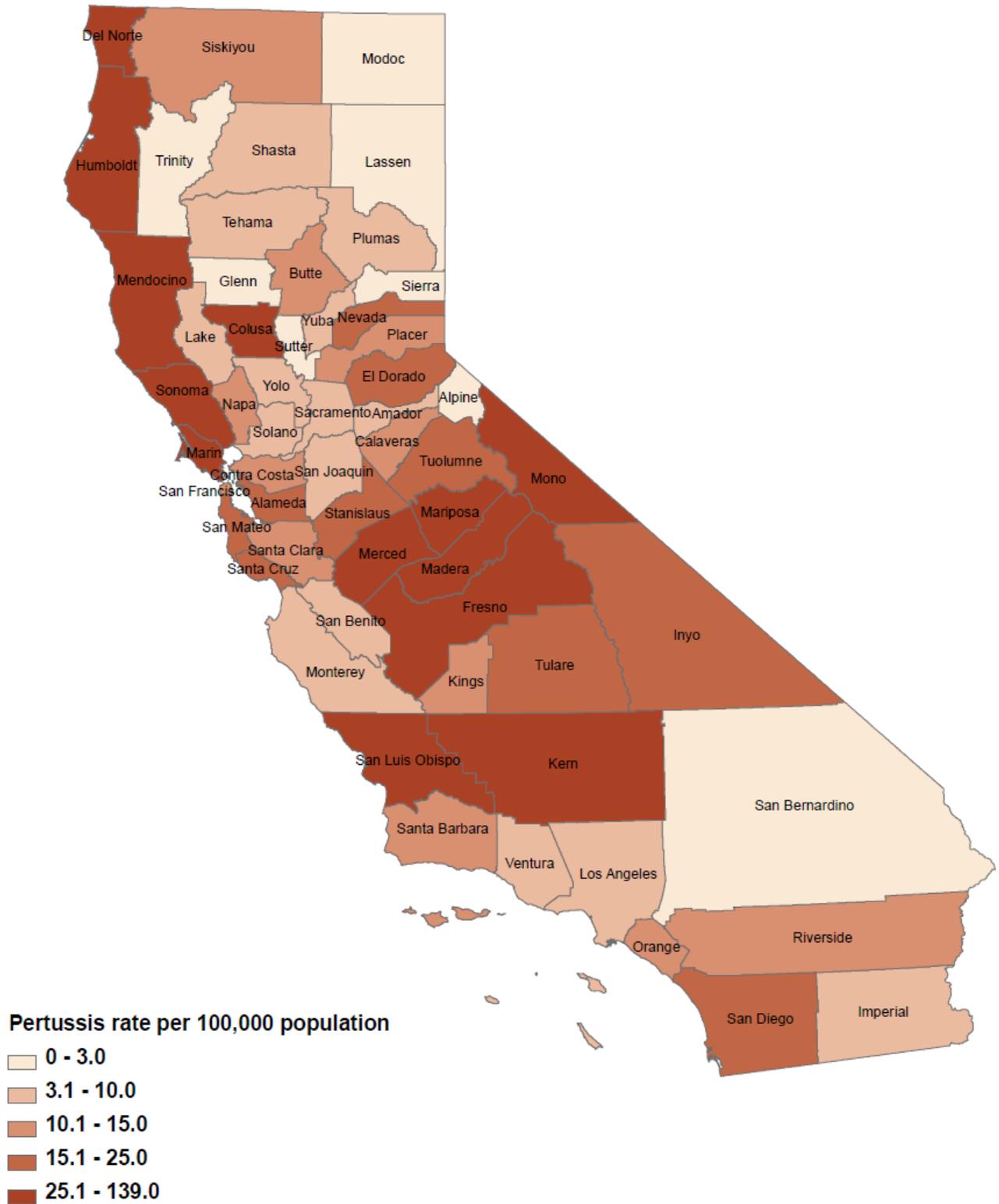


Table 1. Pertussis cases with onset from January 1 through November 2, 2010 reported to CDPH by local health jurisdiction -- California, 2010

	2010	
	Cases	Rate
CALIFORNIA	6431	16.43
ALAMEDA	300	20.93
City of Berkeley*	12	11.20
ALPINE	0	0.00
AMADOR	3	7.53
BUTTE	29	12.79
CALAVERAS	7	14.83
COLUSA	11	47.20
CONTRA COSTA	151	14.18
DEL NORTE	16	52.23
EL DORADO	46	24.69
FRESNO	505	52.34
GLENN	0	0.00
HUMBOLDT	43	32.08
IMPERIAL	10	5.41
INYO	3	15.72
KERN	315	36.92
KINGS	19	11.80
LAKE	3	4.50
LASSEN	0	0.00
LOS ANGELES**	943	9.62
City of Long Beach*	65	13.19
City of Pasadena*	16	10.65
MADERA	116	73.30
MARIN	328	129.38
MARIPOSA	10	52.81
MENDOCINO	26	28.12
MERCED	113	42.21
MODOC	0	0.00
MONO	5	34.27
MONTEREY	49	11.38
NAPA	19	13.49
NEVADA	23	22.59
ORANGE	405	12.70
PLACER	50	14.68
PLUMAS	2	9.20
RIVER SIDE	289	13.26
SACRAMENTO	122	8.49
SAN BENITO	4	6.41
SAN BERNARDINO	96	4.49
SAN DIEGO	580	18.30
SAN FRANCISCO	94	11.54
SAN JOAQUIN	56	7.74
SAN LUIS OBISPO	371	138.45
SAN MATEO	128	17.43
SANTA BARBARA	55	12.77
SANTA CLARA	293	16.07
SANTA CRUZ	62	23.24
SHASTA	21	11.10
SIERRA	0	0.00
SISKIYOU	10	21.34
SOLANO	14	3.21
SONOMA	226	45.99
STANISLAUS	132	24.03
SUTTER	4	4.00
TEHAMA	11	17.02
TRINITY	0	0.00
TULARE	123	26.94
TUOLUMNE	9	15.40
VENTURA	65	7.68
YOLO	18	8.88
YUBA	5	6.37

*City health jurisdictions not included in county total

**Includes cases reported to LAC DPH as of 10/15/2010