

Pertussis Report

May 11, 2017

Young infants are at greatest risk of hospitalization and death from pertussis, therefore pregnant women are encouraged to receive pertussis vaccine (Tdap) during the 3rd trimester of every pregnancy. Pertussis antibodies are transferred from vaccinated mothers to their infants and will help protect them until they are old enough to be vaccinated. The primary DTaP vaccine series is essential for reducing severe disease in young infants and should not be delayed. DTaP can be given to infants at an accelerated schedule with the first dose given as early as 6 weeks of age. Even one dose of DTaP may offer some protection against severe pertussis disease and death in infants.

- 1,830 cases with onset in 2016 were reported to CDPH for a state rate of 4.7 cases per 100,000 population (Table 1, Figures 1-3). Data for 2016 are still provisional.
 - o 108 cases were hospitalized; 18 (19%) of these required intensive care
 - 44 (47%) of hospitalized patients were infants <4 months of age.
 - Two deaths have been reported in infants that younger than 3 months of age at the time of disease onset.
 - Overall pertussis rates were highest for infants <1 year of age and older children and adolescents and teens 14-17 years of age (Figure 4). Rates by race/ethnicity are highest for White and Hispanic infants <6 months of age and White, non-Hispanic adolescents and teens aged 10-17 years of age (Figure 5).
- **495 cases with onset in 2017** have been reported to CDPH for a state rate of 1.3 cases per 100,000 population (Figure 2).
 - On possible death was reported in a 7 year-old child that had multiple severe underlying medical complications as well as RSV infection.
 - <u>Historical surveillance data</u> is available at:
 https://www.cdph.ca.gov/Programs/CID/DCDC/Pages/Immunization/disease.aspx

Table 1. Pertussis cases and rate* by year of onset and local health jurisdiction -- California 2016**

All ages Infants <4 months of age

ALAMEDA		All ages			Infants <4 months of age		
ALAMEDA			Hospitalizations	Deaths	Rate**		Rate§
CLIYOF Berkeley4				2			
ALPINE							0.5
AMADOR 2 0 5.4 0 — BUTTE 2 1 0.9 0 — CALAYERAS 2 0 4.5 0 — COLUSA 0 0 0.0 0 — CONTRA COSTA 48 4 4.43 3 0.7 0 — ELDORADO 9 1 4.9 1 1.9 1 1.9 1 1.9 1 1.9 1 1.9 1 1.9 1 1.9 1 1.9 1 1.9 1 1.9 1 1.9 1 1.9 1 1.3 1 1.3 1 1.3 1.1 1.3 <td>•</td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>— ,</td>	•						— ,
BUTTE							— ,
CALAVERAS 2 0 4.5 0 — COLUSA 0 0 0 0 0 — COLUSA 0 0 0 0 0 0 — DEL NORTE 0 0 0 0 0 — — EL DORADO 9 1 4.9 1 1.9 —	-						— ,
COLUSA 0 0 0.0 0 — CONTRA COSTA 48 4 4.3 3 0.7 DEL NORTE 0 0.0 0 0 7 EL DORADO 9 1 4.9 1 1.9 FRESNO 16 1 1.6 1 0.2 GLENN 1 0 0.7 0 HUMBOLDT 1 0 0.7 0 IMPERIAL 4 2 2.2 0 INYO 0 0 0.0 0 KERN 27 4 1 3.1 2 0.4 KINGS 7 2 4.7 1 1.3 1 1 1.5 0 LASSEN 0 0 0 0.0 0 LASSEN 0 0 0 LASSEN 0 LASSEN 0 0							— ,
CONTRA COSTA							— ,
DEL NORTE							— ,
EL DORADO 9 1 4.9 1 1.9 FRESNO 16 1 0.0 1.6 1 0.0 1.6 1 0.0 1.6 1 0.0 1.6 1 0.0 1.6 1 0.0 1.6 1 0.0 1.6 1 0.0 1.6 1 0.0 1.6 1 0.0 1.7 1 0 0.0 1.7 1 0 0.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0 1.0							0.7
FRESNO 16 1 1 1.6 1 0.2 GLENN 1 1 0 3.4 0 — GLENN 1 1 0 0.7 0 0 — IMPERIAL 1 4 2 2.2 2.2 0 0 — IMPERIAL 1 4 2 2.2 2.2 0 0 — IMPERIAL 1 4 2 2.2 2.2 0 0 — IMPERIAL 1 4 1 1 3.1 1.2 0.4 KINGS 7 2 2 4.7 1 1 1.3 LAKE 1 1 1 1.5 0 — LASSEN 0 0 0.0 0.0 0 0 0 0 0 0 0 0 0 0 0 0 0							— ,
GLENN							
HUMBOLDT							0.2
IMPERIAL							— ,
INYO							— ,
KERN 27 4 1 3.1 2 0.4 KINGS 7 2 4.7 1 1.3 LAKE 1 1 1.55 0 — LOS ANGELES 205 10 0.2.1 19 0.4 City of Long Beach‡ 13 5 2.2.7 3 — City of Pasadena‡ 5 1 3.55 1 — MARIN 30 0 11.5 0 — MARIN 30 0 11.5 0 — MENDOCINO 8 0 9.1 0 — MENCED 1 0 0.4 0 — MODOC 0 0 0.0 0 — MONO 0 0 0.0 0 — MONO 0 0 0.0 0 — MONO 0 0 0.0 0 — NEVA							— ,
KINGS 7 2 4.7 1 1.3 LAKE 1 1 1.5 0 LASSEN 0 0 0.0 0 0 LOS ANGELES 205 10 2.1 19 0.4 City of Pasadena‡ 13 5 2.7 3 MDERA 3 1 1.9 0 MARIN 30 0 11.5 0 MARIN 30 0 11.5 0 MENDOCINO 8 0 9.1 0 MERCED 1 0 0.4 0 MENDOCINO 8 0 9.1 0 MENDOCINO 8 0 9.1 0 MENDOCINO 0 0.0 0 0 MODOC 0 0 0.0 0 MONTEREY							— ,
LAKE 1 1 1.5 0 — LASSEN 0 0 0.0 0 — LOS ANGELES 205 10 2.1 19 0.4 City of Long Beach‡ 13 5 2.7 3 — City of Pasadena‡ 5 1 3.5 1 — MADERA 3 1 1.99 0 — MARIN 30 0 11.5 0 — MARIPOSA 1 1 5.5 1 19.2 MENDOCINO 8 0 9.1 0 — MERCED 1 0 0.4 0 — MODOC 0 0 0.0 0 — MONTEREY 16 1 3.7 2 0.9 MONTEREY 16 1 3.7 2 0.9 NAPA 5 0 3.5 0 — NEVADA				1			
LASSEN 0 0 0.0 0 − LOS ANGELES 205 10 2.1 19 0.4 City of Long Beach‡ 13 5 2.7 3 − City of Pasadena‡ 5 1 3.5 1 − MADERA 3 1 1.99 0 − MARIN 30 0 11.5 0 − MARIPOSA 1 1 1.55 1 19.2 MENDOCINO 8 0 9.1 0 − MERCED 1 0 0.4 0 − MODOC 0 0 0.0 0 − MONTEREY 16 1 3.7 2 0.9 NAPA 5 0 3.5 0 − NEVADA 42 2 42.9 3 11.7 PLACER 17 1 4.6 0 − PLACER<							1.3
LOS ANGELES 205 10 2.1 19 0.4 City of Long Beach‡ 13 5 2.7 3 — City of Pasadena‡ 5 1 3.5 1 — MADERA 3 1 1.99 0 — MARIN 30 0 11.5 0 — MARIPOSA 1 1 5.55 1 19.2 MENDOCINO 8 0 9.1 0 — MENDOCINO 8 0 9.1 0 — MERCED 1 0 0.4 0 — MODOC 0 0 0.0 0 — MODOC 0 0 0.0 0 — MONTEREY 16 1 3.7 2 0.9 MAPA 5 0 3.5 0 — NEVADA 42 2 42.9 3 11.7 ORANGE<							— ,
City of Long Beach‡ 13 5 2.7 3 − City of Pasadena‡ 5 1 3.5 1 − MADERA 3 1 1.99 0 − MARIN 30 0 11.5 0 − MARIPOSA 1 1 5.5 1 19.2 MENDOCINO 8 0 9.1 0 − MERCED 1 0 0.4 0 − MODOC 0 0 0.0 0 − MONO 0 0 0.0 0 − MONTEREY 16 1 3.7 2 0.9 NAPA 5 0 3.5 0 − NEVADA 42 2 42.9 3 11.7 ORANGE 69 17 2.2 12 1.0 PLUMAS 0 0 0.0 0 0 − <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>— ,</td></t<>							— ,
City of Pasadena‡ 5 1 3.5 1 — MADERA 3 1 1.9 0 — MARIN 30 0 11.5 0 — MARIPOSA 1 1 5.5 1 19.2 MENDOCINO 8 0 9.1 0 — MENDOCINO 8 0 9.1 0 — MENDOCINO 0 0.0 0.0 0 — MENDOCINO 0 0.0 0.0 0 — MENDOCINO 0 0.0 0.0 0 — MODOC 0 0 0.0 0 — MODOC 0 0 0.0 0 — — MONTEREY 16 1 3.7 2 0.9 9 1 1 0 — — NEVADA 42 2 42.9 3 11.7 0 9 1 1 <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.4</td>							0.4
MADERA 3 1 1.9 0 — MARIN 30 0 11.5 0 — MARIPOSA 1 1 5.5 1 19.2 MENDOCINO 8 0 9.1 0 — MERCED 1 0 0.4 0 — MODOC 0 0 0.0 0 — MONO 0 0 0.0 0 — MONTEREY 16 1 3.7 2 0.9 NEVADA 42 2 2 42.9 3 11.7 ORANGE 69 17 2.2 12 1.0 PLUMAS 0 0 0.0 0 — RIVERSIDE 82 7 3.5 13 1.3 SACRAMENTO 71 1 4.8 3 0.5 SAN BERNADINO 32 6 1.5 2 0.2 <th< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>— ,</td></th<>							— ,
MARIN 30 0 11.5 0 — MARIPOSA 1 1 5.5 1 19.2 MENDOCINO 8 0 9.1 0 — MERCED 1 0 0.4 0 — MODOC 0 0 0.0 0 — MONO 0 0 0.0 0 — MONO 0 0 0.0 0 — MONTEREY 16 1 3.7 2 0.9 NAPA 5 0 3.5 0 — NEVADA 42 2 42.9 3 11.7 ORANGE 69 17 2.2 12 1.0 PLACER 17 1 4.6 0 — PLUMAS 0 0 0.0 0 — RIVERSIDE 82 7 3.5 13 1.3 3.3 SAN BENITO	•						— ,
MARIPOSA 1 1 5.5 1 19.2 MENDOCINO 8 0 9.1 0 — MERCED 1 0 0.4 0 — MODOC 0 0 0.0 0 — MONO 0 0 0.0 0 — MONTEREY 16 1 3.7 2 0.9 NAPA 5 0 3.5 0 — NEVADA 42 2 42.9 3 11.7 ORANGE 69 17 2.2 12 1.0 PLACER 17 1 4.6 0 — PLUMAS 0 0 0.0 0 — RIVERSIDE 82 7 3.5 13 1.3 SAN BENITO 71 1 4.8 3 0.5 SAN BERNARDINO 32 6 1.5 2 0.2 SAN FRANCISCO							— ,
MENDOCINO 8 0 9.1 0 — MERCED 1 0 0.4 0 — MODOC 0 0 0.0 0 — MONO 0 0 0.0 0 — MONTEREY 16 1 3.7 2 0.9 NAPA 5 0 3.5 0 — NEVADA 42 2 42.9 3 11.7 ORANGE 69 17 2.2 12 1.0 PLACER 17 1 4.6 0 — PLUMAS 0 0 0.0 0 — RIVERSIDE 82 7 3.5 13 1.3 SACRAMENTO 71 1 4.8 3 0.5 SAN BERNARDINO 32 6 1.5 2 0.2 SAN TEGO 390 13 1 11.9 27 1.9							— ,
MERCED 1 0 0.4 0 — MODOC 0 0 0.0 0 — MONO 0 0 0.0 0 — MONTEREY 16 1 3.7 2 0.9 MAPA 5 0 3.5 0 — NEVADA 42 2 42.9 3 11.7 ORANGE 69 17 2.2 12 1.0 PLACER 17 1 4.6 0 — PLUMAS 0 0 0.0 0 — RIVERSIDE 82 7 3.5 13 1.3 SACRAMENTO 71 1 4.8 3 0.5 SAN BENITO 9 1 15.6 1 3.9 SAN DIEGO 390 13 1 11.9 27 1.9 SAN TEGO 7 1 0.8 2 0.7 SAN SAN LUIS OB							19.2
MODOC 0 0 0.0 0 - MONO 0 0 0.0 0 - MONTEREY 16 1 3.7 2 0.9 NAPA 5 0 3.5 0 - NEVADA 42 2 42.9 3 11.7 ORANGE 69 17 2.2 12 1.0 PLACER 17 1 4.6 0 - PLUMAS 0 0 0.0 0 - PLUMAS 0 0 0.0 0 - RIVERSIDE 82 7 3.5 13 1.3 SACRAMENTO 71 1 4.8 3 0.5 SAN BENITO 9 1 15.6 1 3.9 SAN BERNARDINO 32 6 1.5 2 0.2 SAN FRANCISCO 7 1 0.8 2 0.7 SAN LUIS OB							— ,
MONO 0 0 0.0 0 — MONTEREY 16 1 3.7 2 0.9 NAPA 5 0 3.5 0 — NEVADA 42 2 42.9 3 11.7 ORANGE 69 17 2.2 12 1.0 PLACER 17 1 4.6 0 — PLUMAS 0 0 0.0 0 — RIVERSIDE 82 7 3.5 13 1.3 SACRAMENTO 71 1 4.8 3 0.5 SAN BERITO 9 1 15.6 1 3.9 SAN BERNARDINO 32 6 1.5 2 0.2 SAN FRANCISCO 7 1 0.8 2 0.7 SAN JOAQUIN 4 0 0.5 1 0.3 SAN LUIS OBISPO 29 2 10.5 0 —							— ,
MONTEREY 16 1 3.7 2 0.9 NAPA 5 0 3.5 0 — NEVADA 42 2 42.9 3 11.7 ORANGE 69 17 2.2 12 1.0 PLACER 17 1 4.6 0 — PLUMAS 0 0 0.0 0 — RIVERSIDE 82 7 3.5 13 1.3 SACRAMENTO 71 1 4.8 3 0.5 SAN BENITO 9 1 15.6 1 3.9 SAN BERNARDINO 32 6 1.5 2 0.2 SAN DIEGO 390 13 1 11.9 27 1.9 SAN FRANCISCO 7 1 0.8 2 0.7 SAN LUIS OBISPO 29 2 10.5 0 — SANTA CLARA 232 6 12.1 4 0.5 </td <td></td> <td></td> <td></td> <td></td> <td>0.0</td> <td>0</td> <td>— ,</td>					0.0	0	— ,
NAPA 5 0 3.5 0 — NEVADA 42 2 42.9 3 11.7 ORANGE 69 17 2.2 12 1.0 PLACER 17 1 4.6 0 — PLUMAS 0 0 0.0 0 — RIVERSIDE 82 7 3.5 13 1.3 SACRAMENTO 71 1 4.8 3 0.5 SAN BENITO 9 1 15.6 1 3.9 SAN BERNARDINO 32 6 1.5 2 0.2 SAN DIEGO 390 13 1 11.9 27 1.9 SAN FRANCISCO 7 1 0.8 2 0.7 SAN LUIS OBISPO 29 2 10.5 0 — SANTA BARBARA 10 2 12.2 2 1.0 SANTA CLARA 232 6 12.1 4							— ,
NEVADA 42 2 42.9 3 11.7 ORANGE 69 17 2.2 12 1.0 PLACER 17 1 4.6 0 — PLUMAS 0 0 0.0 0 — RIVERSIDE 82 7 3.5 13 1.3 SACRAMENTO 71 1 4.8 3 0.5 SAN BERITO 9 1 15.6 1 3.9 SAN BERNARDINO 32 6 1.5 2 0.2 SAN DIEGO 390 13 1 11.9 27 1.9 SAN JOAQUIN 4 0 0.5 1 0.3 SAN LUIS OBISPO 29 2 10.5 0 — SAN MATEO 109 2 14.3 2 0.7 SANTA CLARA 232 6 12.1 4 0.5 SANTA CRUZ 46 1 16.8 0 — <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td>0.9</td>							0.9
ORANGE 69 17 2.2 12 1.0 PLACER 17 1 4.6 0 — PLUMAS 0 0 0.0 0 — RIVERSIDE 82 7 3.5 13 1.3 SACRAMENTO 71 1 4.8 3 0.5 SAN BENITO 9 1 15.6 1 3.9 SAN BERNARDINO 32 6 1.5 2 0.2 SAN DIEGO 390 13 1 11.9 27 1.9 SAN FRANCISCO 7 1 0.8 2 0.7 SAN FRANCISCO 7 1 0.8 2 0.7 SAN JOAQUIN 4 0 0.5 1 0.3 SAN LUIS OBISPO 29 2 10.5 0 — SAN MATEO 109 2 14.3 2 0.7 SANTA CLARA 232 6 12.1 4 <td< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>— ,</td></td<>							— ,
PLACER 17 1 4.6 0 — PLUMAS 0 0 0.0 0 — RIVERSIDE 82 7 3.5 13 1.3 SACRAMENTO 71 1 4.8 3 0.5 SAN BENITO 9 1 15.6 1 3.9 SAN BERNARDINO 32 6 1.5 2 0.2 SAN FRANCISCO 7 1 0.8 2 0.7 SAN JOAQUIN 4 0 0.5 1 0.3 SAN MATEO 109 2 14.3 2 0.7 SANTA CLARA 232 6 12.1 4							
PLUMAS 0 0 0.0 0 — RIVERSIDE 82 7 3.5 13 1.3 SACRAMENTO 71 1 4.8 3 0.5 SAN BENITO 9 1 15.6 1 3.9 SAN BERNARDINO 32 6 1.5 2 0.2 SAN DIEGO 390 13 1 11.9 27 1.9 SAN FRANCISCO 7 1 0.8 2 0.7 SAN JOAQUIN 4 0 0.5 1 0.3 SAN LUIS OBISPO 29 2 10.5 0 — SAN MATEO 109 2 14.3 2 0.7 SANTA BARBARA 10 2 2.2 2 1.0 SANTA CLARA 232 6 12.1 4 0.5 SHASTA 25 0 14.0 1 1.4 SIERRA 0 0 0.0 0 <t< td=""><td></td><td></td><td></td><td></td><td></td><td></td><td>1.0</td></t<>							1.0
RIVERSIDE 82 7 3.5 13 1.3 SACRAMENTO 71 1 4.8 3 0.5 SAN BENITO 9 1 15.6 1 3.9 SAN BERNARDINO 32 6 1.5 2 0.2 SAN DIEGO 390 13 1 11.9 27 1.9 SAN FRANCISCO 7 1 0.8 2 0.7 SAN JOAQUIN 4 0 0.5 1 0.3 SAN LUIS OBISPO 29 2 10.5 0 — SAN MATEO 109 2 14.3 2 0.7 SANTA BARBARA 10 2 2.2 2 1.0 SANTA CLARA 232 6 12.1 4 0.5 SHASTA 25 0 14.0 1 1.4 SIERRA 0 0 0.0 0 — SISKIYOU 0 0 8.4 0							— ,
SACRAMENTO 71 1 4.8 3 0.5 SAN BENITO 9 1 15.6 1 3.9 SAN BERNARDINO 32 6 1.5 2 0.2 SAN DIEGO 390 13 1 11.9 27 1.9 SAN FRANCISCO 7 1 0.8 2 0.7 SAN JOAQUIN 4 0 0.5 1 0.3 SAN LUIS OBISPO 29 2 10.5 0 — SAN MATEO 109 2 14.3 2 0.7 SANTA BARBARA 10 2 2.2 2 1.0 SANTA CLARA 232 6 12.1 4 0.5 SHASTA 25 0 14.0 1 1.4 SIERRA 0 0 0.0 0 — SISKIYOU 0 0 0.0 0 — SONOMA 42 0 8.4 0 —<							
SAN BENITO 9 1 15.6 1 3.9 SAN BERNARDINO 32 6 1.5 2 0.2 SAN DIEGO 390 13 1 11.9 27 1.9 SAN FRANCISCO 7 1 0.8 2 0.7 SAN JOAQUIN 4 0 0.5 1 0.3 SAN LUIS OBISPO 29 2 10.5 0 — SAN MATEO 109 2 14.3 2 0.7 SANTA BARBARA 10 2 2.2 2 1.0 SANTA CLARA 232 6 12.1 4 0.5 SANTA CRUZ 46 1 16.8 0 — SHASTA 25 0 14.0 1 1.4 SIERRA 0 0 0.0 0 — SISKIYOU 0 0 0.0 0 — SONOMA 42 0 8.4 0 — </td <td></td> <td></td> <td></td> <td></td> <td></td> <td></td> <td></td>							
SAN BERNARDINO 32 6 1.5 2 0.2 SAN DIEGO 390 13 1 11.9 27 1.9 SAN FRANCISCO 7 1 0.8 2 0.7 SAN JOAQUIN 4 0 0.5 1 0.3 SAN LUIS OBISPO 29 2 10.5 0 — SAN MATEO 109 2 14.3 2 0.7 SANTA BARBARA 10 2 2.2 2 1.0 SANTA CLARA 232 6 12.1 4 0.5 SANTA CRUZ 46 1 16.8 0 — SHASTA 25 0 14.0 1 1.4 SIERRA 0 0 0.0 0 — SISKIYOU 0 0 0.0 0 — SONOMA 42 0 8.4 0 — STANISLAUS 13 1 2.4 2							
SAN DIEGO 390 13 1 11.9 27 1.9 SAN FRANCISCO 7 1 0.8 2 0.7 SAN JOAQUIN 4 0 0.5 1 0.3 SAN LUIS OBISPO 29 2 10.5 0 — SAN MATEO 109 2 14.3 2 0.7 SANTA BARBARA 10 2 2.2 2 2 1.0 SANTA CLARA 232 6 12.1 4 0.5 SANTA CRUZ 46 1 16.8 0 — SHASTA 25 0 14.0 1 1.4 SIERRA 0 0 0.0 0 — SISKIYOU 0 0 0.0 0 — SONOMA 42 0 8.4 0 — STANISLAUS 13 1 2.4 2 0.8 SUTTER 2 0 2.0 0							
SAN FRANCISCO 7 1 0.8 2 0.7 SAN JOAQUIN 4 0 0.5 1 0.3 SAN LUIS OBISPO 29 2 10.5 0 — SAN MATEO 109 2 14.3 2 0.7 SANTA BARBARA 10 2 2.2 2 1.0 SANTA CLARA 232 6 12.1 4 0.5 SANTA CRUZ 46 1 16.8 0 — SHASTA 25 0 14.0 1 1.4 SIERRA 0 0 0.0 0 — SISKIYOU 0 0 0.0 0 — SOLANO 14 0 3.3 0 — SONOMA 42 0 8.4 0 — STANISLAUS 13 1 2.4 2 0.8 SUTTER 2 0 2.0 0 —							
SAN JOAQUIN 4 0 0.5 1 0.3 SAN LUIS OBISPO 29 2 10.5 0 — SAN MATEO 109 2 14.3 2 0.7 SANTA BARBARA 10 2 2.2 2 2 1.0 SANTA CLARA 232 6 12.1 4 0.5 SANTA CRUZ 46 1 16.8 0 — SHASTA 25 0 14.0 1 1.4 SIERRA 0 0 0.0 0 — SISKIYOU 0 0 0.0 0 — SOLANO 14 0 3.3 0 — SONOMA 42 0 8.4 0 — STANISLAUS 13 1 2.4 2 0.8 SUTTER 2 0 2.0 0 — TEHAMA 4 1 6.3 1 3.9				1			
SAN LUIS OBISPO 29 2 10.5 0 — SAN MATEO 109 2 14.3 2 0.7 SANTA BARBARA 10 2 2.2 2 1.0 SANTA CLARA 232 6 12.1 4 0.5 SANTA CRUZ 46 1 16.8 0 — SHASTA 25 0 14.0 1 1.4 SIERRA 0 0 0.0 0 — SISKIYOU 0 0 0.0 0 — SOLANO 14 0 3.3 0 — SONOMA 42 0 8.4 0 — STANISLAUS 13 1 2.4 2 0.8 SUTTER 2 0 2.0 0 — TEHAMA 4 1 6.3 1 3.9							
SAN MATEO 109 2 14.3 2 0.7 SANTA BARBARA 10 2 2.2 2 1.0 SANTA CLARA 232 6 12.1 4 0.5 SANTA CRUZ 46 1 16.8 0 — SHASTA 25 0 14.0 1 1.4 SIERRA 0 0 0.0 0 — SISKIYOU 0 0 0.0 0 — SOLANO 14 0 3.3 0 — SONOMA 42 0 8.4 0 — STANISLAUS 13 1 2.4 2 0.8 SUTTER 2 0 2.0 0 — TEHAMA 4 1 6.3 1 3.9		-					0.3
SANTA BARBARA 10 2 2.2 2 1.0 SANTA CLARA 232 6 12.1 4 0.5 SANTA CRUZ 46 1 16.8 0 — SHASTA 25 0 14.0 1 1.4 SIERRA 0 0 0.0 0 — SISKIYOU 0 0 0.0 0 — SOLANO 14 0 3.3 0 — SONOMA 42 0 8.4 0 — STANISLAUS 13 1 2.4 2 0.8 SUTTER 2 0 2.0 0 — TEHAMA 4 1 6.3 1 3.9							
SANTA CLARA 232 6 12.1 4 0.5 SANTA CRUZ 46 1 16.8 0 — SHASTA 25 0 14.0 1 1.4 SIERRA 0 0 0.0 0 — SISKIYOU 0 0 0.0 0 — SOLANO 14 0 3.3 0 — SONOMA 42 0 8.4 0 — STANISLAUS 13 1 2.4 2 0.8 SUTTER 2 0 2.0 0 — TEHAMA 4 1 6.3 1 3.9							
SANTA CRUZ 46 1 16.8 0 — SHASTA 25 0 14.0 1 1.4 SIERRA 0 0 0.0 0 — SISKIYOU 0 0 0.0 0 — SOLANO 14 0 3.3 0 — SONOMA 42 0 8.4 0 — STANISLAUS 13 1 2.4 2 0.8 SUTTER 2 0 2.0 0 — TEHAMA 4 1 6.3 1 3.9							
SHASTA 25 0 14.0 1 1.4 SIERRA 0 0 0.0 0 - SISKIYOU 0 0 0.0 0 - SOLANO 14 0 3.3 0 - SONOMA 42 0 8.4 0 - STANISLAUS 13 1 2.4 2 0.8 SUTTER 2 0 2.0 0 - TEHAMA 4 1 6.3 1 3.9							0.5
SIERRA 0 0 0.0 0 — SISKIYOU 0 0 0.0 0 — SOLANO 14 0 3.3 0 — SONOMA 42 0 8.4 0 — STANISLAUS 13 1 2.4 2 0.8 SUTTER 2 0 2.0 0 — TEHAMA 4 1 6.3 1 3.9							
SISKIYOU 0 0 0.0 0 — SOLANO 14 0 3.3 0 — SONOMA 42 0 8.4 0 — STANISLAUS 13 1 2.4 2 0.8 SUTTER 2 0 2.0 0 — TEHAMA 4 1 6.3 1 3.9							1.4
SOLANO 14 0 3.3 0 — SONOMA 42 0 8.4 0 — STANISLAUS 13 1 2.4 2 0.8 SUTTER 2 0 2.0 0 — TEHAMA 4 1 6.3 1 3.9							
SONOMA 42 0 8.4 0 — STANISLAUS 13 1 2.4 2 0.8 SUTTER 2 0 2.0 0 — TEHAMA 4 1 6.3 1 3.9							
STANISLAUS 13 1 2.4 2 0.8 SUTTER 2 0 2.0 0 - TEHAMA 4 1 6.3 1 3.9							
SUTTER 2 0 2.0 0 - TEHAMA 4 1 6.3 1 3.9							
TEHAMA 4 1 6.3 1 3.9							0.8
							2.0
TRINITY 1 0 7.4 0 —		1	0				3.9
							0.4
							0.4
TUOLUMNE 0 0 0.0 0 — VENTURA 36 6 4.2 0 —							- ,
YOLO 43 1 20.2 4 5.0							<u> </u>
YUBA 1 0 1.3 0 —							5.0
*Includes cases reported to CDPH as of 5/11/2017					1.0		

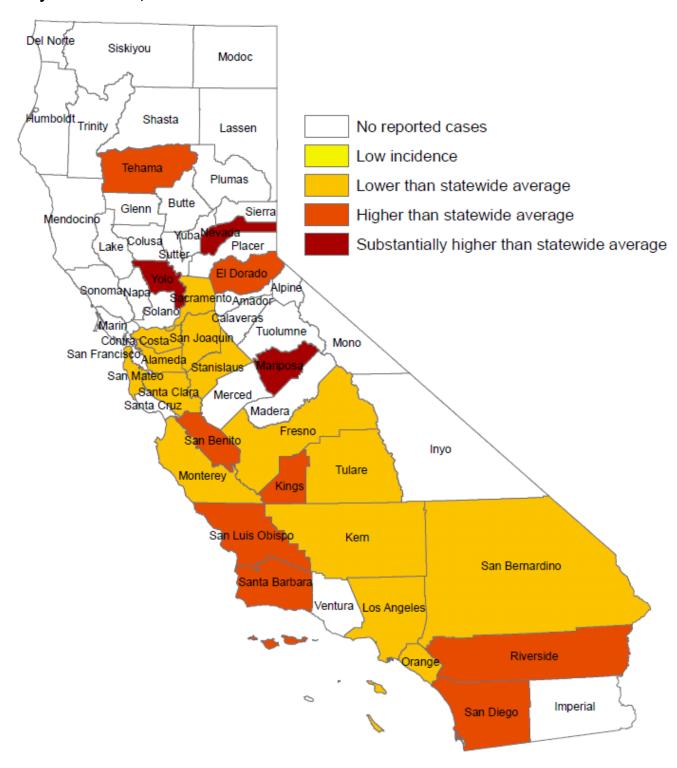
^{*}Includes cases reported to CDPH as of 5/11/2017

^{**}Incident case rate per 100,000 persons

[§]Incident case rate per 1,000 births

[‡]City health jurisdictions not included in county total

Figure 1. Pertussis incidence among infants <4 months of age per 1,000 population, by county – California, 2016*



*Reported to CDPH as of 1/23/2017; data still provisional.

