

San Joaquin County Public Health Services
Communicable Disease (CD) Quarterly Report
 2014 Quarter 1

- Provider CD Reporting: 209-468-3822 (phone) 209-468-8222 (fax)
 - Alvaro Garza, MD, MPH, Health Officer
 - Karen Pfister, MS, Supervising Epidemiologist

Vaccine Preventable Diseases

Measles

In 2014, measles cases reported to the California Department of Public Health (CDPH) as of May 16th increased compared to cases reported in 2013 (59 vs. 5). One case has been reported in San Joaquin County (2nd quarter), the first in 14 years.

Measles is a highly contagious viral disease that usually presents with a fever that lasts for a couple of days, followed by a cough, runny nose, conjunctivitis and a rash. Children usually get their first dose of MMR vaccine at 12 months old or later and the second dose typically before the child begins kindergarten.

Persons travelling outside the US should receive an MMR vaccine before they go, including students, health care workers, and unvaccinated individuals. Infants who are traveling can be vaccinated as young as 6 months, but they should still get the two standard doses after one year of age. Report all suspected cases of measles to Public Health Services.

Pertussis

California and San Joaquin County are experiencing an increase in reported cases of pertussis. In the first four months of 2014, CDPH has received more than triple the number of cases compared to the same time period in 2013. San Joaquin County doubled the number of cases reported in the first quarter of 2014 versus the first quarter of 2013 (Table 3). Pertussis peaks every 3-5 years, with the last peak in cases occurring in 2010.

Children with pertussis usually present with cough, low-grade fever and runny nose for 1-2 weeks. Severe illness may present as respiratory distress, apnea, cyanosis or seizures. Delayed treatment may increase the chance of severe illness.

The most at risk are infants too young to be fully immunized. To prevent infection in infants, CDPH recommends that all pregnant women receive a booster vaccine in the third trimester and all close contacts to infants (e.g., parents, siblings, grandparents, child care providers) be immunized. Additionally, students entering 7th grade need to meet the booster requirements. Report all suspected cases of pertussis to Public Health Services.

Note: Data reflect only cases that have been entered into the CalREDIE reporting system as of 5/19/14; cases currently under investigation may not be included.

Table 1: Select Communicable Diseases Reported to San Joaquin County Public Health Services, 2013 and 2014

	2013		2014	
	1st Qtr	YTD	1st Qtr	YTD
Coccidioidomycosis	17	17	25	25
Meningococcal Infections	0	0	0	0
Viral Meningitis	3	3	4	4
West Nile Virus	0	0	0	0
Hepatitis C (Chronic)	167	167	305	305

Table 2: Select Gastrointestinal Diseases Reported to San Joaquin County Public Health Services, 2013 and 2014

	2013		2014	
	1st Qtr	YTD	1st Qtr	YTD
Amebiasis	1	1	0	0
Campylobacteriosis	22	22	29	29
<i>E. coli</i> Shiga Toxin Producing (STEC)	0	0	1	1
Giardiasis	9	9	6	6
Salmonellosis	18	18	20	20
Shigellosis	1	1	0	0
Yersiniosis	3	3	0	0

Table 3: Select Vaccine Preventable Diseases Reported to San Joaquin County Public Health Services, 2013 and 2014

	2013		2014	
	1st Qtr	YTD	1st Qtr	YTD
Hepatitis A	0	0	1	1
Hepatitis B (acute)	1	1	1	1
Hepatitis B (Chronic)	19	19	36	36
Pertussis	5	5	11	11

Table 4: Select Outbreaks Reported to San Joaquin County Public Health Services, 2013 and 2014

	2013		2014	
	1st Qtr	YTD	1st Qtr	YTD
Gastrointestinal	15	15	10	10
Respiratory	1	1	0	0