



# Communicable Diseases (CD) Quarterly Report

San Mateo County Health System  
CD Control Program

- Provider Reporting: 650.573.2346 (phone) 650.573.2919 (fax) • Issue No. 15 • Data to Mar 31, 2011
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## Special Alert: New School Tdap Vaccination Requirement

We all need to work hard to get our 55,000 7th-12th graders vaccinated with Tdap before start of school this Fall. For information on California school immunization laws, and particularly AB 354, the pertussis vaccination requirement for all 7th through 12th graders, go to <http://www.shotsforschool.org/>.

For more information on pertussis go to [www.smhealth.org/pertussis](http://www.smhealth.org/pertussis) and for information on other communicable diseases, please visit the CD Control Program webpage at [www.smhealth.org/cdcontrol](http://www.smhealth.org/cdcontrol). You will find information for the general public and for providers, including a section on reporting, all our alerts and Quarterly Reports, as well as a section on Infection Control.

**Table 1. Selected CD cases<sup>1</sup> reported in San Mateo County Residents**

Disease	2011		2010	
	1st Qtr	YTD	1st Qtr	YTD
Coccidioidomycosis	1	1	0	0
Influenza - Pediatric ICU Hosp	3	3	0	0
Listeriosis	0	0	1	1
Meningitis - Bacterial <sup>2</sup>	2	2	1	1
Meningitis - Viral	3	3	0	0
Meningococcal Disease	0	0	2	2
Typhoid/Paratyphoid Fever	0	0	2	2

<sup>1</sup>Chronic Hep C data not available due to data management changes <sup>2</sup>Excluding Meningococcal meningitis

**Table 4. Outbreaks in San Mateo County**

Disease	2011		2010	
	1st Qtr	YTD	1st Qtr	YTD
Gastrointestinal Illness	1	1	16	16
Pertussis*	1	1	0	0

## MEASLES UPDATE 2011

Since January 2011, 13 cases of measles have been reported in California, more than in 2009. As in recent years, nearly all of the cases are known to have traveled recently to Europe or Asia or have been in contact with international travelers.

Unvaccinated Californians who are traveling to countries where measles is circulating should receive MMR vaccine before they go. Infants traveling to these countries can be vaccinated as young as six months of age (though they should also have the two standard doses after their first birthday).

The recent cases in California highlight the need for healthcare professionals to be vigilant about measles.

- Consider measles in patients of any age who have **a fever AND a rash**. Measles rashes are red, blotchy and maculopapular and typically start on the hairline and face and then spread downwards to the rest of the body.
- Obtain a thorough history on all patients, including international travel in the prior three weeks.
- If you suspect your patient has measles, isolate the patient immediately.
- Collect specimens for measles testing.
  - A. Draw 1-2 ml blood in a red-top tube.
  - B. Obtain a throat or nasopharyngeal swab; use a viral culturette and place into viral transport media.
  - C. Collect 10-40 ml of urine in a sterile 50 ml centrifuge tube or urine specimen container.

### If measles is suspected:

1. Mask suspect measles patients immediately.
2. Do not allow suspect measles patients to remain in the waiting area; isolate them immediately in an airborne infection isolation room if one is available.
3. Limit entry to patient's room, only to HCWs who are immune to measles.
4. Do not use the examination room for at least two hours after the possibly infectious patient leaves.
5. Notify the local health department immediately\* of any suspect measles patients.

\* A more comprehensive Health Alert related to measles, along with other documents with general information about measles and public health measures to prevent its transmission, are posted on the San Mateo County Health System website at [www.smhealth.org/measles](http://www.smhealth.org/measles).

**Table 2. Selected Gastrointestinal illnesses reported in San Mateo County Residents**

Disease	2011		2010	
	1st Qtr	YTD	1st Qtr	YTD
Amebiasis	2	2	3	3
Campylobacteriosis	54	54	51	51
Cryptosporidium	6	6	4	4
E. Coli O157: H7	1	1	0	0
Giardia	12	12	15	15
<b>SALMONELLA (non-typhoid)</b>	<b>10</b>	<b>10</b>	<b>8</b>	<b>8</b>
S. Enteritidis	1	1	1	1
S. Typhimurium	0	0	1	1
Other	9	9	6	6
Scombroid Fish Poisoning	1	1	1	1
Shigella	2	2	3	3
Shiga Toxin producing E. Coli	0	0	1	1
Vibrio (non-cholera)	0	0	1	1
Yersiniosis	0	0	0	0

**Table 3. Selected Vaccine Preventable Diseases<sup>1</sup> reported in San Mateo County Residents**

Disease	2011		2010	
	1st Qtr	YTD	1st Qtr	YTD
Hepatitis A	2	2	0	0
Hepatitis B (acute)	1	1	0	0
Measles	1	1	0	0
<b>Pertussis<sup>2</sup></b>	<b>27</b>	<b>27</b>	<b>6</b>	<b>6</b>

<sup>1</sup>Chronic Hep B data not available due to data management changes. <sup>2</sup>Includes confirmed, probable and suspect cases

Sources: CalReDIE (California Reportable Disease Information Exchange)

Note: Morbidity is based on date of report. Totals for past quarters may change due to delays in reporting from labs and providers and use of different reporting systems in 2010

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