



O R E G O N

QUARTERLY REPORT

**2nd Quarter
June 2008**

Marion County Health Department
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<http://health.co.marion.or.us>

To report a communicable disease
(24 hours a day, 7 days a week)

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Vital Statistics Quarter Ending: June 2008	2nd Quarter 2008		Year to Date 2008	
	2007	2007	2007	2007
BIRTHS				
TOTAL DELIVERIES	N/R*	1457	N/R*	2828
Delivery in Hospital	1430	1446	2800	2764
Teen Deliveries (10-17)	N/R*	58	N/R*	120
DEATHS				
TOTAL	696	585	1426	1290
Medical Investigation	67	51	128	104
Homicide	3	1	5	1
Suicide	9	12	18	21
Accident – MVA	2	7	4	12
Accident – Other	9	16	30	30
Natural / Undetermined / Pending	44	15	71	40
Non-Medical Investigation (all natural)	629	534	1298	1186
Infant Deaths	6	8	10	5
Fetal Deaths	6	2	13	18
COMMUNICABLE DISEASES				
E-Coli: 0157	1	0	3	0
Hepatitis A	1	0	1	0
Acute Hepatitis B	0	0	1	2
Chronic Hepatitis B	9	5	21	17
Meningococcus	1	1	2	2
Pertussis	3	0	11	1
Tuberculosis	3	3	7	5
SEXUALLY TRANSMITTED DISEASE				
PID (Pelvic inflammatory Disease)	4	0	8	0
Chlamydia	309	242	609	495
Gonorrhea	29	21	68	49
Syphilis	4	1	6	3
AIDS	2	3	7	5
HIV Positive	1	7	7	15

* N/R "Not Reportable" for this quarter due to change over of State data systems.

Immunization Update – 2008

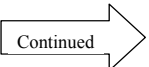
Karen Landers MD MPH, Marion County Health Officer

Now for some good news!

In the United States, rotavirus activity during the 2007-2008 season (November, 2007-May, 2008) appeared to be both substantially delayed in onset and diminished in magnitude compared with previous years according to data from the Centers for Disease Control and Prevention (CDC). These changes coincide with increasing use of the oral vaccine RotaTeq® (Merck) licensed in February, 2006. In the U.S., rotavirus accounts for over 400,000 physician office visits, approximately 250,000 emergency department visits, and 50,000 hospitalizations annually. In winter months, about 50% of hospitalizations and emergency department visits and 30% of outpatient visits for acute gastroenteritis among U.S. children less than 3 years of age are caused by rotavirus.

Wipe Out the Whoop

Unfortunately, pertussis, also known as whooping cough, continues to circulate in communities, posing the threat of serious illness and death to young children and infants. In 2008, 20 cases of pertussis have been reported in Marion County, including nine in the month of July. (See graph) CDC has noted an increase of deaths among U.S. infants diagnosed with pertussis. From 2000-2005, 140 deaths due to pertussis were identified, 131 of which occurred in infants less than one year of age. Ninety-seven percent of the fatalities due to pertussis occurred in children who were not vaccinated. An outbreak of whooping cough at a children's hospital in Texas in 2004 involving 29 children, 11 of whom were exposed to a health care worker with pertussis in a newborn nursery, underscores the need to reduce transmission to unprotected infants by vaccinating adults who may be susceptible due to waning immunity.



Two pertussis- containing vaccines (Tdap) were licensed in 2005 for use in older children, adolescents and adults from 10 to 64 years of age.

As part of a special project from Oregon's State Immunization Program, Marion County Health Department is offering free Tdap vaccine during Wednesday clinics on August 6th, 13th, and 20th. Tdap vaccination is strongly recommended for health care workers and anyone in close contact or living with an infant less than a year of age.

Call (503) 588-5342 to schedule an appointment

New School Immunization Requirements – 2008-2009

Vaccine requirements for Oregon schools and children's facilities will include hepatitis A and Tdap vaccines beginning with the 2008-2009 school year. Hepatitis A vaccine will be required for children entering children's facilities and kindergarten for the upcoming school year with a phase-in plan to cover all children's facilities and grades K-12 by the 2014-2015 school year. School requirements for Tdap will begin with the 7th grade in the 2008-2009 school year with a phase-in plan to cover grades 7-12 by the 2013-2014 school year.

New Vaccines Coming

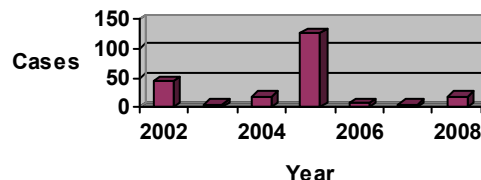
Rotarix® (GSK) was licensed in April 2008 as a two-dose oral rotavirus vaccine offering another option for protection of infants against viral gastroenteritis caused by rotavirus. The recommended schedule for the new vaccine is for doses at 2 and 4 months of age with a minimum age of 6 weeks and a minimum spacing interval of 4 weeks between doses. The two-dose schedule allows infants as old as 20 weeks to start and complete the series.

Pentacel® (Sanofi Pasteur) was licensed in June, 2008. The pentavalent vaccine contains diphtheria and tetanus toxoids, acellular pertussis, inactivated poliovirus and *Haemophilus b* conjugate vaccine, and is approved for administration as a four-dose series at 2, 4, 6, and 15-18 months of age. The Advisory Committee on Immunization Practices (ACIP) of the CDC voted to include the vaccine in the Vaccines for Children program in June of this year.

Kinrix® (GSK) was licensed in June of 2008. This combination vaccine contains diphtheria, tetanus, and acellular pertussis and inactivated polio vaccine, and is approved for use in children four to six years of age.

And on the horizon... Data from phase-2 trials of an investigational recombinant meningococcal B vaccine indicate that it may be first vaccine to provide broad protection against meningococcal B infections in infants. A protective immune response in patients receiving vaccine at 2 months was demonstrated, with greater than 90% showing protection after a fourth dose at 12 months. The vaccine entered phase-3 clinical trials in early 2008. Serogroup B represents the largest percentage of meningococcal disease in Oregon, and currently available vaccines do not provide protection against it.

**Pertussis Cases in Marion County
2002-2008**



Fun AND Flumist® at the Fair

Marion County Health Department is offering free FluMist®, the nasal spray flu vaccine, at the Oregon State Fair on August 25th. Take advantage of this opportunity to get early protection against the flu without a shot!