



**O R E G O N**

# QUARTERLY REPORT

Marion County Health Department  
3180 Center St NE  
Salem OR 97301-4592  
(503) 588-5357  
<http://health.co.marion.or.us>

**3rd Quarter  
September 2007**

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

Telephone: (503) 588-5621  
Fax: (503) 566-2920

Vital Statistics Quarter Ending: Sept. 2007	3rd Quarter		Year to Date	
	2007	2006	2007	2006
<b>BIRTHS</b>				
<b>TOTAL DELIVERIES</b>	1572	1518	4406	4302
Delivery in Hospital	1558	1509	4366	4273
Teen Deliveries (10-17)	53	41	173	155
<b>DEATHS</b>				
<b>TOTAL</b>	627	583	1916	1824
Medical Investigation	60	59	164	165
Homicide	2	3	3	7
Suicide	14	11	35	29
Accident – MVA	1	9	13	20
Accident – Other	13	15	43	42
Natural / Undetermined / Pending	30	21	70	66
Non-Medical Investigation (all natural)	567	524	1752	1659
Infant Deaths	2	13	6	19
Fetal Deaths	11	4	29	12
<b>COMMUNICABLE DISEASES</b>				
E-Coli: 0157	3	3	3	7
Hepatitis A	0	0	0	4
Acute Hepatitis B	3	0	5	2
Chronic Hepatitis B	11	10	25	30
Meningococcus	1	1	3	3
Pertussis	1	0	1	5
Tuberculosis	3	6	8	11
<b>SEXUALLY TRANSMITTED DISEASE</b>				
PID (Pelvic inflammatory Disease)	0	1	0	1
Chlamydia	245	212	750	698
Gonorrhea	21	40	70	113
Syphilis	1	1	4	5
AIDS	1	7	6	9
HIV Positive	3	5	18	12

## What's New with Flu

Karen Landers MD MPH

Oregon has confirmed it's first influenza case this month in an Oregon State University student. Flu season has officially arrived. Here are some updates for the 2007-2008 influenza season.

### Vaccine Supply and Distribution

So far, so good. The Centers for Disease Control and Prevention (CDC) are projecting as many as 132 million doses of influenza vaccine will be available from currently licensed manufacturers in the U.S. Distribution has begun with the majority of vaccine expected to be distributed by the end of October. Oregon has already received over 400,000 doses of influenza vaccine compared to only 91,000 at this time last year. Some vaccine distribution will continue into November, including doses ordered during the fall. CDC is also projecting sufficient supplies of thimerosal-free vaccine to meet expected demands in the 6-23 month old age group. While CDC is anticipating sufficient supplies of vaccine to cover the 2-5 year old age group, some providers may not have a sufficient amount of the vaccine type they need to serve all of their three-year old patients. Of the two vaccines available for children aged 3 years, one can only be used in healthy children.

### Recommendations for Use

The following are recommendations for influenza vaccine use during the 2007-08 influenza season:

► Children aged 6 months through 8 years receiving influenza vaccination for the first time should be vaccinated with 2 doses separated by at least 4 weeks. Children in this age group who did not receive 2 doses in their first year of vaccination, should receive 2 doses the following year. This recommendation is based on accumulating data that the effectiveness of 1 dose of influenza vaccination in children less than 8 years is lower than those receiving 2 doses in their first year of vaccination.

Continued

- ▶ All persons including school-aged children who want to reduce the risk of becoming ill with influenza or of transmitting influenza to others should be vaccinated.
- ▶ Influenza vaccination should be offered throughout the influenza season.
- ▶ Policies to encourage healthcare personnel to receive influenza vaccination should be implemented including obtaining signed declination forms from healthcare personnel who decline influenza vaccine. The level of influenza vaccination coverage among health care workers can be considered one measure of a patient safety quality program.

### LAIV

In January 2007, a new formulation of the live attenuated influenza virus (Flu Mist®) was licensed that will replace the older formulation for the 2007-08 influenza season. The new formulation can be stored in the refrigerator at 35° - 46°F upon receipt and can remain at that temperature until the expiration date is reached. The new LAIV formulation is administered at a lower dose than the previous formulation. The pre-filled, single use sprayer contains 0.2 ml of vaccine, half of which is administered into each nostril. In September 2007, the age range of LAIV was expanded to include healthy children aged 2 years and above.

The Oregon State Immunization Program, Marion County Health Department, Silver Falls and Woodburn School Districts, and Hoover Elementary School are partnering to offer LAIV (Flu Mist®) to students. Clinics start in November 2007, and vaccine will be offered to over 6700 students. All records of vaccination will be entered into the immunization registry, ALERT. This project will monitor rates of absenteeism as well as evaluate plans for conducting mass vaccination clinics, and is scheduled to continue for three years.

### On the Horizon.....

Preliminary data from phase-1/phase-2 clinical trials, indicate that the Vero cell-based influenza vaccine candidate induces a strong antibody response and was well tolerated. The Vero cell culture process can be initiated more rapidly by using a “native” virus that does not need to be modified to allow growth in eggs. Vaccines produced using the process can be released within approximately 12 weeks, significantly earlier than with traditional egg-based systems. In addition, all influenza strains with pandemic potential tested for growth in Vero cells have produced high yields, providing the flexibility to quickly respond to emerging variant pandemic virus strains.

#### **National Influenza Week – November 26 – December 2, 2007**

CDC has announced the week after Thanksgiving, November 27-December 2 as National Influenza Week. This event is designed to foster greater use of flu vaccine through the months of November, December and beyond. CDC is recommending that people take this opportunity to be vaccinated, and is encouraging flu vaccine providers to use this time to enhance flu vaccine availability in their clinics and retail sites.

#### **Tuesday, November 27<sup>th</sup> is set aside as Children’s Flu Vaccination Day**

Each year, over 20,000 children are hospitalized as the result of influenza. This day will help raise awareness about the value of vaccinating children – especially high-risk children and their contacts.