

FLU BITES

Oregon's Weekly Surveillance Report for Influenza and other Respiratory Viruses

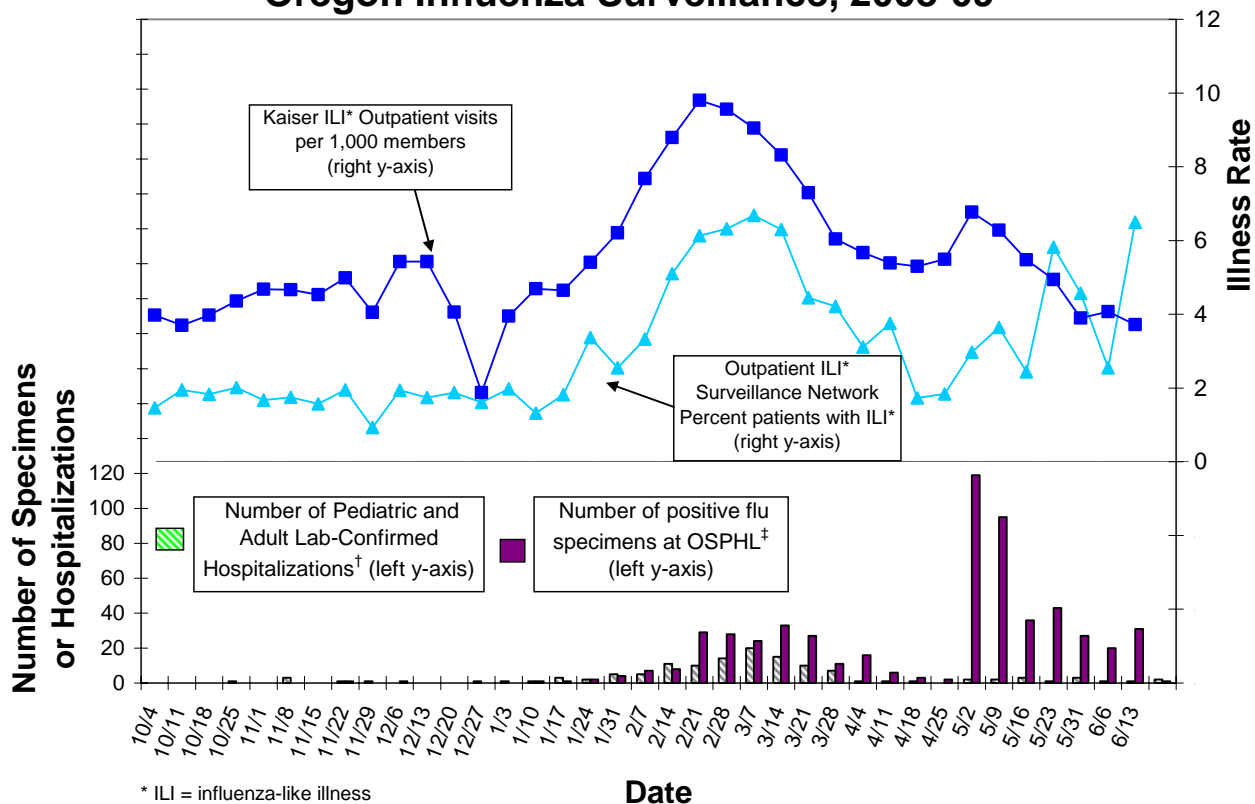
**For Week 37 of the 2008-09 Influenza Season
Ending June 13th, 2009 (calendar week 23)**



Summary

On June 11th, the World Health Organization raised the pandemic alert level to Phase 6 meaning we have entered the “pandemic phase” which is characterized by community level outbreaks of disease worldwide. While spread of the H1N1 virus is far-reaching, the severity of disease appears to be similar to seasonal influenza, although the epidemiology is quite different. Circulation of the virus in the United States has been occurring for nearly two months now, no longer rendering it “novel”. CDC has changed the name from “novel influenza A (H1N1)” to “pandemic influenza A (H1N1)”. Thirty pandemic influenza A (H1N1) specimens were identified at Oregon State Public Health Laboratory during week 37 (June 7th-June 13th) and one has already been identified for the following week. In addition, an Oregon case has also been identified at Washington State’s Public Health Lab, bringing the total number of pandemic influenza A (H1N1) specimens to 219. Only 1 seasonal influenza A (H3) case was identified during week 37. Kaiser syndromic surveillance has returned to summer baseline levels while sentinel providers reported an increase in activity, however only 3 sentinel providers have reported so far.

Oregon Influenza Surveillance, 2008-09



* ILI = influenza-like illness

† Clackamas, Multnomah, and Washington Counties only

‡ Oregon State Public Health Lab

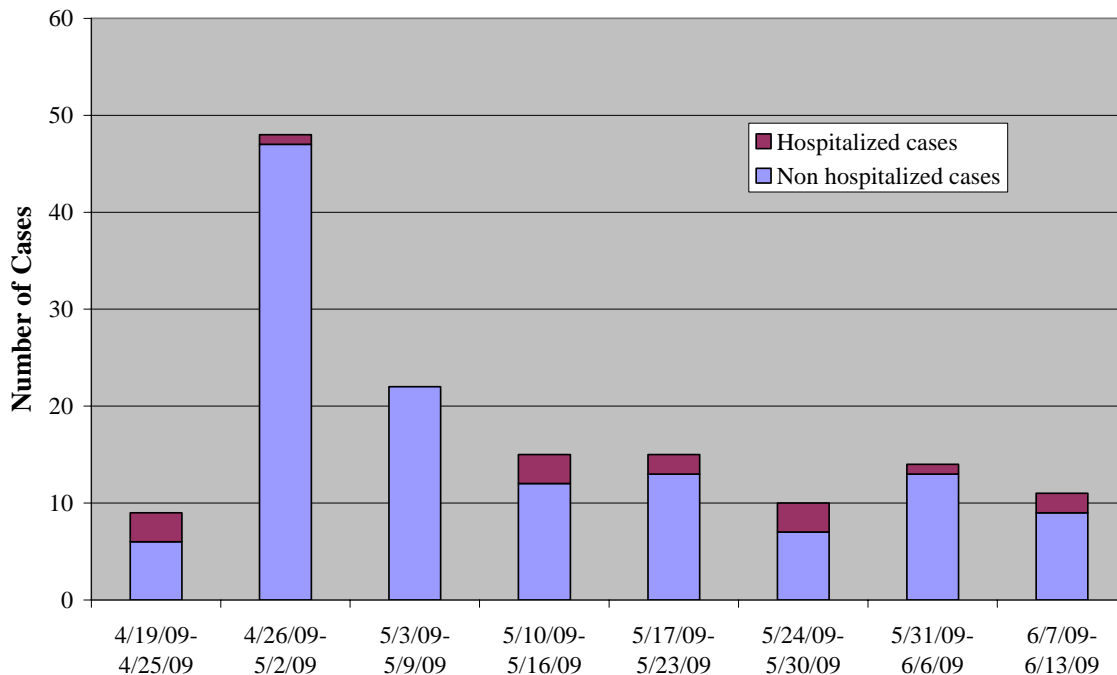
Pandemic Influenza A (H1N1):

The Oregon Public Health Laboratory has identified 218 confirmed cases of pandemic influenza A (H1N1) and one additional case was confirmed at the Washington State Public Health Laboratory. More than half of the cases have occurred in the Portland metro area, with Marion and Polk counties also seeing relatively high numbers of cases. One death due to pandemic influenza A (H1N1) has been reported in Marion county.

Distribution of Pandemic Influenza A (H1N1) Cases, by County and Age

County	Number	Age			
		0 to 4	5 to 24	25 to 64	65+
Clackamas	19	1	9	9	0
Clatsop	1	0	0	1	0
Columbia	1	0	1	0	0
Jackson	2	0	0	2	0
Lane	10	2	5	3	0
Lincoln	2	0	1	1	0
Linn	2	0	2	0	0
Marion	31	4	21	6	0
Multnomah	64	2	41	20	1
Polk	44	4	31	9	0
Umatilla	3	1	0	2	0
Washington	39	3	24	12	0
Yamhill	1	0	0	1	0
TOTAL	219	17	135	66	1

Pandemic H1N1 Cases by Onset Date



*Testing practices were changed on 05/08/2009. Only patients hospitalized, at risk for severe disease or who visit sentinel providers should be tested for H1N1. The date of symptom onset is available for 151 confirmed cases.

Characteristics of Pandemic Influenza A (H1N1) Cases in Oregon, N=219

Case Classification	N (%)
Confirmed	219 (100)
Age	
Median	16
Range	0-78
Symptom Onset	
Range	Apr 15 – June 12
Sex	
Male	110 (50)
Female	109 (50)
Hospitalized*	20 (9)
Died	1 (1)
Health Care Worker	2 (1)
Pregnant	1 (1)

Characteristics of Hospitalized Pandemic Influenza A (H1N1) Cases in Oregon, N=20

Case Classification	N (%)
Confirmed	20 (100)
Probable	0
Age	
Median	15.5
Range	1-78
Symptom Onset	
Range	April 20-June 9
Sex	
Male	9 (45)
Female	11 (55)
Severity	
Admitted to ICU	3 (15)
Died	1

* Testing recommendations are now based on hospitalization and risk for severe disease, so it is expected that the percentage of cases hospitalized should increase.

Please note that the pandemic influenza A (H1N1) situation in Oregon evolves on a daily basis and these numbers are provisional. For more information on pandemic influenza A (H1N1) in Oregon please see: <http://www.flu.oregon.gov/>

Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations for all ages are reported for the Portland metropolitan area (Clackamas, Multnomah, and Washington counties). Patients must be admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, or PCR. These hospitalizations reflect both seasonal and pandemic influenza A (H1N1) laboratory confirmed cases.

One confirmed pandemic influenza A (H1N1) pediatric hospitalization was reported for week 37 in the Portland metro area. Since the beginning of the 2008-09 season, 63 pediatric and 64 adult hospitalizations have been reported. Of the 13 metro area hospitalizations that have occurred since the pandemic influenza A (H1N1) strain emerged, 5 pediatric and 4 adult hospitalizations were lab-confirmed pandemic influenza A (H1N1) viruses.

Kaiser Syndromic Surveillance

Oregon Public Health Division receives discharge diagnoses data for Kaiser Permanente Northwest member outpatient visits. The number of influenza-like illness outpatient visits decreased to 3.72 per 1,000 Kaiser members during Week 37.

More information is available at: <http://egov.oregon.gov/DHS/ph/acd/flu/kaiserflu.shtml>.

Oregon Outpatient Influenza-like Illness Surveillance Network

Oregon's outpatient influenza-like-illness network is comprised of 21 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like-illness (ILI) as well as total number of patient visits for each week during the surveillance season. Influenza-like-illness (ILI) is defined as fever ($\geq 100^{\circ}\text{F}$) and cough and/or sore throat. The number of patient visits and the percent of patients with ILI for the last 3 weeks are presented below.

	Number of Patients Visits	Percent Patients with ILI	No. of Provider Reports
Week 37 (ended June 13 th)	277	18	3
Week 36 (ended June 6 th)	779	2.44	4
Week 35 (ended May 30 th)	744	4.57	5

Additional resources:

More Oregon influenza surveillance data is available at: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml>

CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly/>

National information on pandemic H1N1 influenza is available at: http://www.oregon.gov/DHS/ph/acd/swineflu_investigation.shtml