

FLU BITES

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

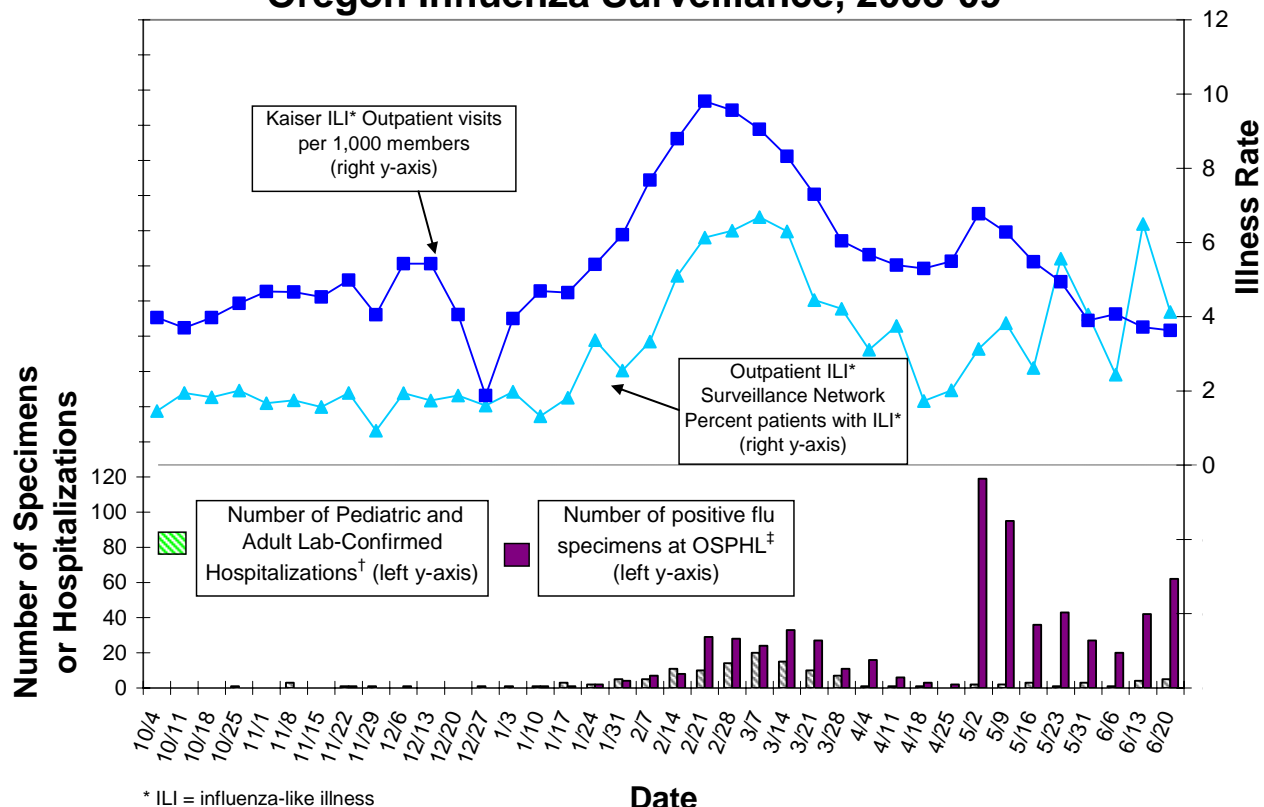
For Week 38 of the 2008-09 Influenza Season
Ending June 20th, 2009 (calendar week 24)



Summary

Pandemic influenza A (H1N1) activity increased in Oregon during the week of June 13th-20th. Sixty-two pandemic influenza A (H1N1) specimens were identified at Oregon State Public Health Laboratory during this week. The total number of pandemic influenza A (H1N1) specimens identified in Oregon has increased to 291. No seasonal influenza viruses were identified during week 37. An increase in influenza-related hospitalizations was also noted. The number of pandemic H1N1-related hospitalizations increased 60% in one week period jumping from 20 to 32 hospitalizations. Sadly, two pandemic H1N1-related deaths also occurred; one pediatric death during week 24 and a death in an adult occurred this week.

Oregon Influenza Surveillance, 2008-09



* ILI = influenza-like illness

† Clackamas, Multnomah, and Washington Counties only

‡ Oregon State Public Health Lab

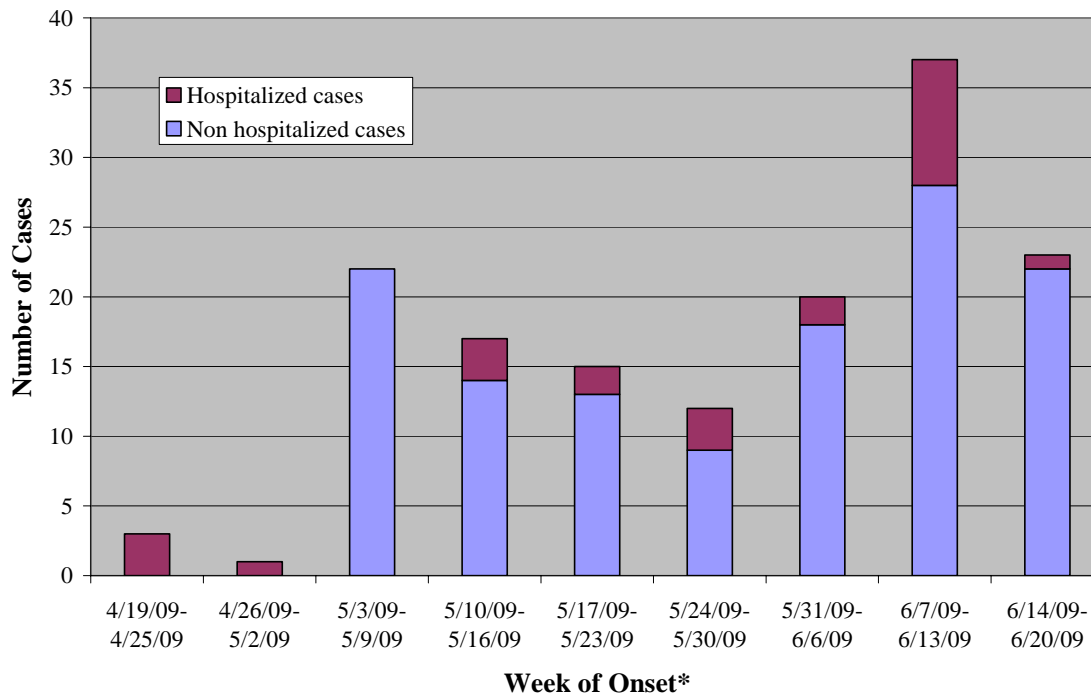
Pandemic Influenza A (H1N1):

The Oregon Public Health Laboratory has identified 291 confirmed cases of pandemic influenza A (H1N1) in fifteen counties. The cases range in age from 0 to 78 years; the median age is 16. Thirty-two hospitalizations have been reported (six 0-4 year-olds, fourteen 5-24 year-olds, eleven 25-64 year-olds and one 65+ year-old). Three deaths have been reported (one child and two adults). The cases remain fairly evenly split between the sexes with 151 males and 140 females.

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

County	Number	Age			
		0 to 4	5 to 24	25 to 64	65+
Benton	2	0	1	1	0
Clackamas	30	3	14	13	0
Clatsop	1	0	0	1	0
Columbia	1	0	1	0	0
Deschutes	1	0	0	1	0
Jackson	2	0	0	2	0
Lane	12	2	5	5	0
Lincoln	2	0	1	1	0
Linn	3	0	2	1	0
Marion	51	9	34	7	1
Multnomah	81	3	49	28	1
Polk	46	3	34	9	0
Umatilla	3	1	0	2	0
Washington	51	4	31	16	0
Yamhill	5	0	3	2	0
TOTAL	291	24	176	87	2

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 207 confirmed cases.

Characteristics of Pandemic Influenza A (H1N1) Cases in Oregon, N=291

Case Classification	N (%)
Confirmed	291 (100)
Age	
Median	16
Range	0-78
Symptom Onset	
Range	Apr 15 – June 12
Sex	
Male	151 (52)
Female	140 (48)
Hospitalized*	32 (11)
Died	3 (1)
Health Care Worker	2 (1)
Pregnant	2 (1)

Characteristics of Hospitalized Pandemic Influenza A (H1N1) Cases in Oregon, N=32

Case Classification	N (%)
Confirmed	32 (100)
Probable	0
Age	
Median	14.5
Range	1-78
Symptom Onset	
Range	April 20-June 14
Sex	
Male	16 (50)
Female	16 (50)
Severity	
Admitted to ICU	4 (12)
Died	2 (6)

* 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. The numbers reported on CDC's website might differ from numbers posted here or on our website. If there is a discrepancy, data from our website and this publication should be considered as being the most accurate and up to date. 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.

Five adults were hospitalized with lab-confirmed influenza during week 38 and an additional 4 have already been identified for week 39 (ending June 27th). Three of these hospitalizations have been confirmed pandemic H1N1, however testing is pending on the remaining specimens. Since the beginning of the 2008-09 season, 67 pediatric and 73 adult hospitalizations have been reported. Of the 26 metro area hospitalizations that have occurred since the pandemic influenza A (H1N1) strain emerged, 8 pediatric and 7 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 3.63 per 1,000 Kaiser members during Week 38.

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 38 (ended June 20 th)	339	4.13	4
Week 37 (ended June 13 th)	277	6.50	3
Week 36 (ended June 6 th)	779	2.44	4

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