

# FLU BITES

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

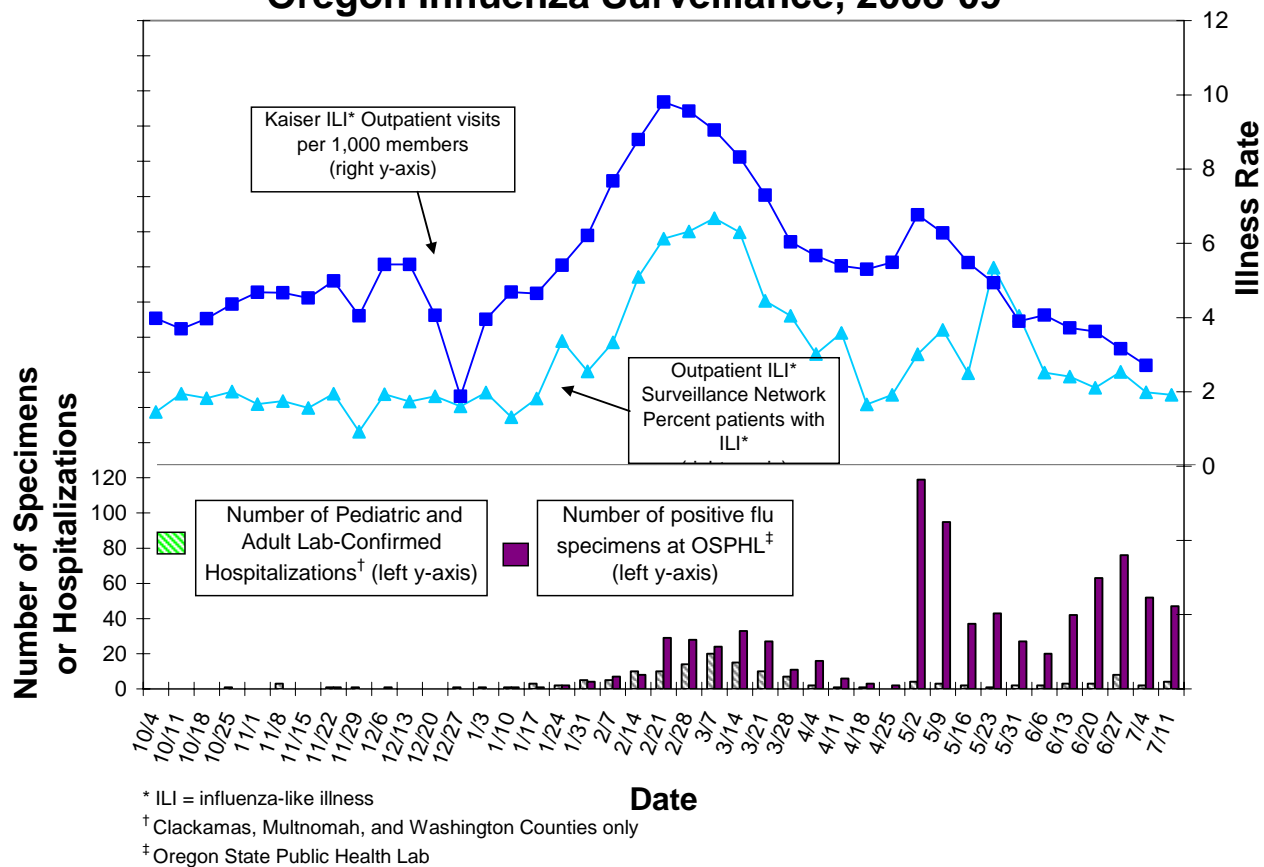
For week ending July 11th, 2009  
(calendar week 27)



## Summary

Forty-six pandemic influenza A (H1N1) specimens were identified at Oregon State Public Health Laboratory during the week of July 5<sup>th</sup>-11<sup>th</sup>. The total number of pandemic influenza A (H1N1) specimens identified in Oregon has increased to 464. One seasonal influenza A (H3) virus was also identified this week. Statewide, seven adult influenza-related hospitalizations occurred during this week, six of which have been confirmed H1N1.

## Oregon Influenza Surveillance, 2008-09



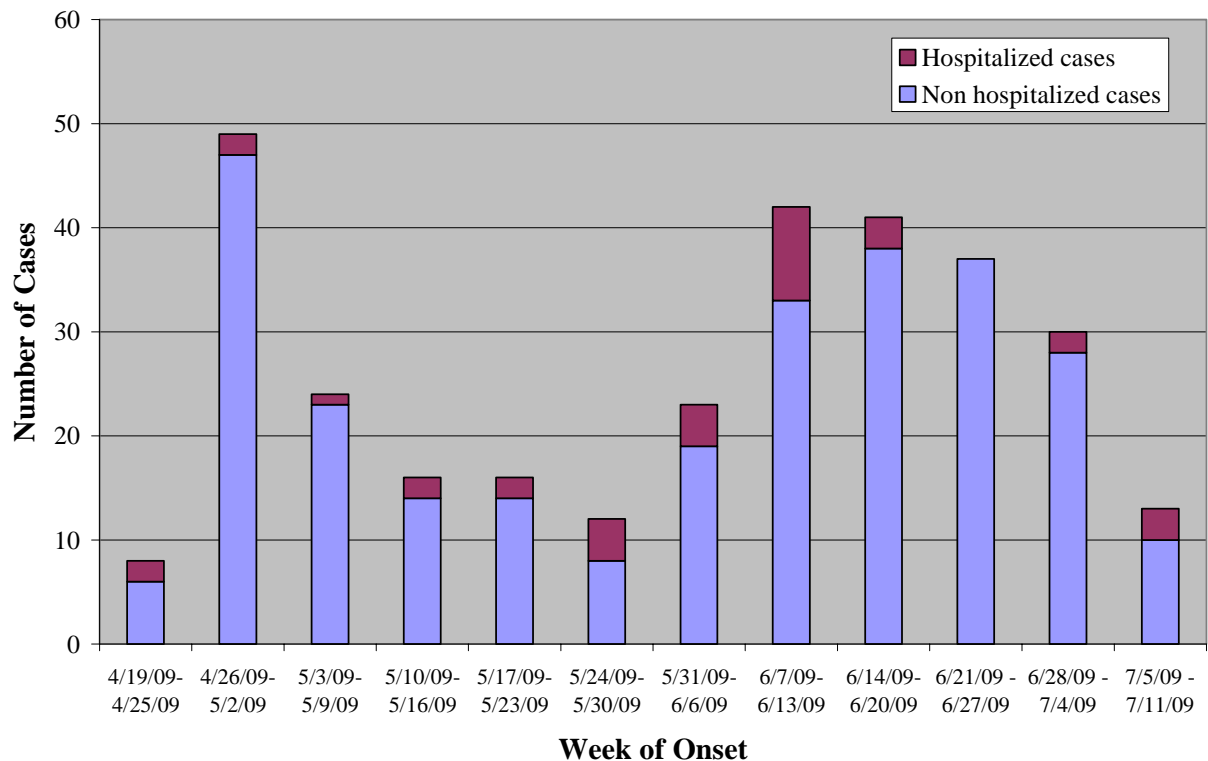
## Pandemic Influenza A (H1N1):

The Oregon Public Health Laboratory has identified 464 confirmed cases of pandemic influenza A (H1N1) in nineteen counties. The cases range in age from 0 to 85 years; the median age is 17. The cases remain fairly evenly split between the sexes with 195 males and 171 females. Forty-seven hospitalizations have been reported (six 0-4 year-olds, nineteen 5-24 year-olds, thirteen 25-49 year-olds, seven 50-64 year-olds and two 65+ year-olds). Five deaths have occurred (one child and four adults).

## Distribution of Confirmed Cases, by County and Age

County	Number	Age				
		0 to 4	5 to 24	25 to 49	50 to 64	65+
Benton	2	0	1	1	0	0
Clackamas	43	4	22	15	2	0
Clatsop	7	0	2	4	1	0
Columbia	1	0	1	0	0	0
Crook	2	0	1	1	0	0
Deschutes	4	1	3	0	0	0
Douglas	6	1	4	0	1	0
Hood River	1	0	0	1	0	0
Jackson	3	0	1	1	1	0
Lane	24	3	11	7	3	0
Lincoln	4	0	2	1	1	0
Linn	7	0	3	3	0	1
Marion	95	20	52	13	8	2
Multnomah	117	3	66	39	7	2
Polk	52	5	36	10	2	0
Tillamook	6	1	2	3	0	0
Umatilla	5	2	1	1	1	0
Washington	73	6	41	22	4	0
Yamhill	11	2	5	4	0	0
<b>TOTAL</b>	<b>464</b>	<b>48</b>	<b>253</b>	<b>126</b>	<b>31</b>	<b>5</b>

## 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 314 confirmed cases.

### Characteristics of Pandemic Influenza A (H1N1) Cases in Oregon, N=464

Case Classification	N (%)
Confirmed	464 (100)
<b>Age</b>	
Median	17
Range	0-85
<b>Symptom Onset</b>	
Range	Apr 15 – July 12
<b>Sex</b>	
N (%)	
Male	247 (53)
Female	217 (47)
<b>Hospitalized*</b>	45 (10)
<b>Died</b>	5 (1)
<b>Health Care Worker</b>	2 (<1)
<b>Pregnant</b>	3 (1)

### Characteristics of Hospitalized Pandemic Influenza A (H1N1) Cases in Oregon, N=47

Case Classification	N (%)
Confirmed	47 (100)
Probable	0
<b>Age</b>	
Median	23
Range	0-85
<b>Symptom Onset</b>	
Range	April 20-July 12
<b>Sex</b>	
N (%)	
Male	23 (49)
Female	24 (51)
<b>Severity</b>	
Admitted to ICU	6 (14)
Died	4 (9)

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/>

### **Portland Area Laboratory-Confirmed Influenza Associated Hospitalizations Surveillance (Emerging Infections Program)**

Laboratory-confirmed influenza-associated hospitalizations for all ages are reported for the Portland metropolitan area (Clackamas, Multnomah, and Washington counties) as part of the Oregon Public Health Division's Emerging Infections Program. Pediatric surveillance has been in place since 2003, and adult surveillance since 2005. 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. Seasonal surveillance begins October 1<sup>st</sup> of each year and normally ends by April 30<sup>th</sup>, however, for H1N1 purposes this surveillance has been extended into summer 2009. The data below reflect both seasonal and pandemic influenza A (H1N1) laboratory confirmed cases since the start of the 2008-09 influenza season.

During the regular flu season (October – April) there were 56 pediatric and 58 adult hospitalizations. Since the pandemic H1N1 virus was identified in Oregon (April 30<sup>th</sup>, 2009) there have been 34 influenza-related hospitalizations (9 pediatric and 25 adult), of which 24 (70%) were pandemic H1N1, 4 (12%) were seasonal influenza, and 6 (18%) are unknown.

Four adults were hospitalized in the tri-county area with lab-confirmed influenza during the week of July 4<sup>th</sup>-11<sup>th</sup>. Three of these hospitalizations have been confirmed pandemic H1N1.

### **Kaiser Syndromic Surveillance – unavailable this week**

Oregon Public Health Division receives discharge diagnoses data for Kaiser Permanente Northwest member outpatient visits. Data for this week will be printed in next week’s report. We apologize for any inconvenience. Previous week’s 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 ending July 11th	731	1.92	5
Week ending July 4th	654	1.99	5
Week ending June 27 <sup>th</sup>	670	2.54	6

### **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](http://www.oregon.gov/DHS/ph/acd/swineflu_investigation.shtml)

**Additional H1N1 graphs:**

The following graphs represent H1N1 activity by age and hospitalizations by week of specimen collection.

