

# FLU BITES

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

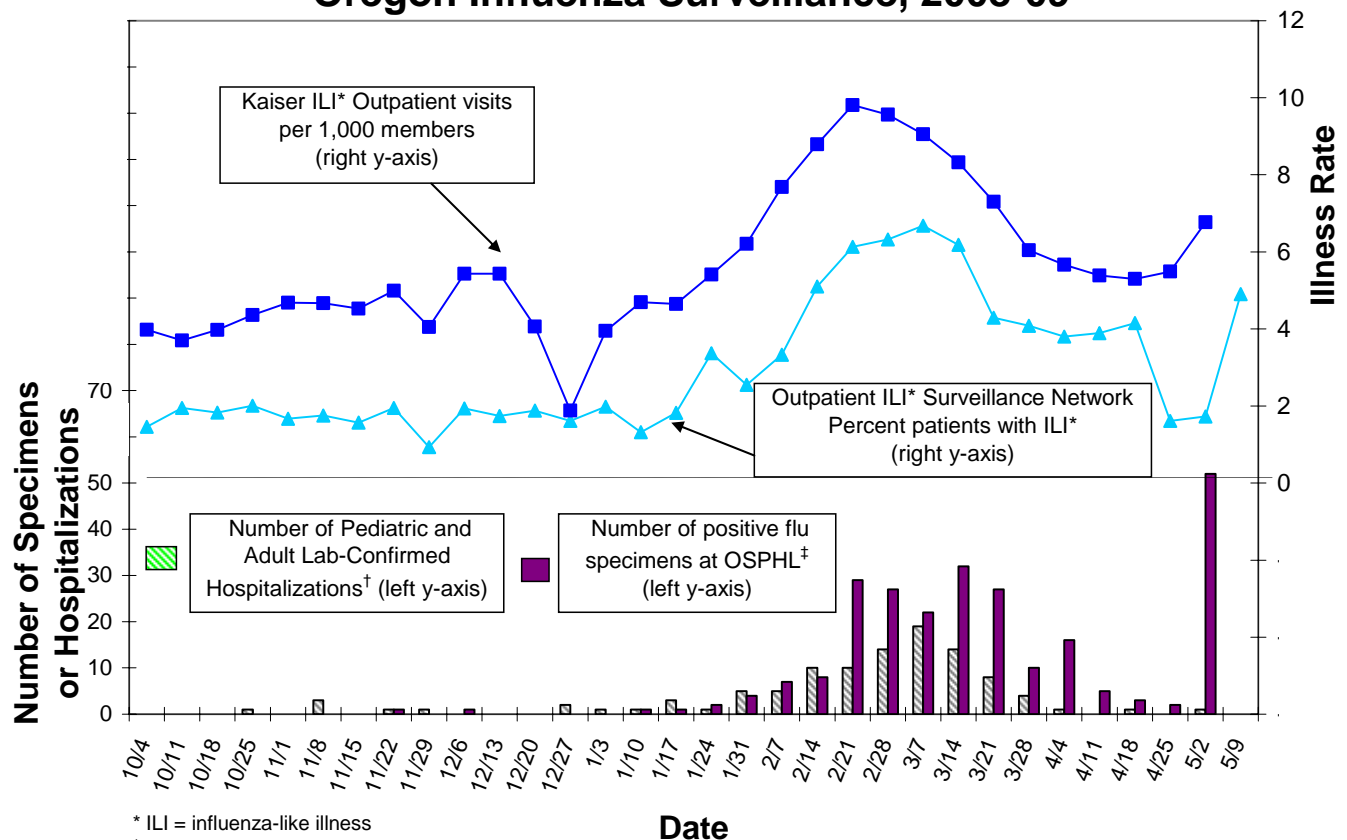
**For Week 31 of the 2008-09 Influenza Season  
Ending May 2nd, 2009 (calendar week 17)**



## Summary

Influenza activity increased dramatically during the week of April 26<sup>th</sup>-May 2<sup>nd</sup> due to the increased surveillance and activity attributed to novel influenza A (H1N1) of swine origin. During this week, 52 influenza positives were detected at our state lab. Please note, that this dramatic increase is mostly attributable to our active surveillance. Twenty-three specimens were positive for influenza A (H3), seasonal variety, 18 were positive for novel influenza A (H1N1) of swine origin, 9 were positive for influenza A (H1), seasonal variety, and 2 were positive for influenza B. Both sentinel provider and Kaiser syndromic surveillance showed increases in influenza-like-illness (ILI) activity. These increases are most likely due to both an increase in concern for novel influenza (H1N1) as well as an increase in actual ILI activity.

**Oregon Influenza Surveillance, 2008-09**



\* ILI = influenza-like illness

† Clackamas, Multnomah, and Washington Counties only

‡ Oregon State Public Health Lab

## **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.

Only one hospitalization in an adult was reported for week 31 in the Portland metro area. However, enhanced surveillance due to novel influenza A(H1N1) activity revealed two hospitalizations among children who reside outside of the Portland metro area.

## **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 increased to 6.77 per 1,000 Kaiser members during Week 31.

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 31 (ended May 2 <sup>nd</sup> )	674	4.90%	8
Week 30 (ended April 25 <sup>th</sup> )	1099	1.73%	8
Week 29 (ended April 18 <sup>th</sup> )	1243	1.61%	12

## **Additional resources:**

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

Information regarding Oregon's novel H1N1 influenza investigation is available at: [http://www.oregon.gov/DHS/ph/acd/swineflu\\_investigation.shtml](http://www.oregon.gov/DHS/ph/acd/swineflu_investigation.shtml)

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

National information on novel 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)

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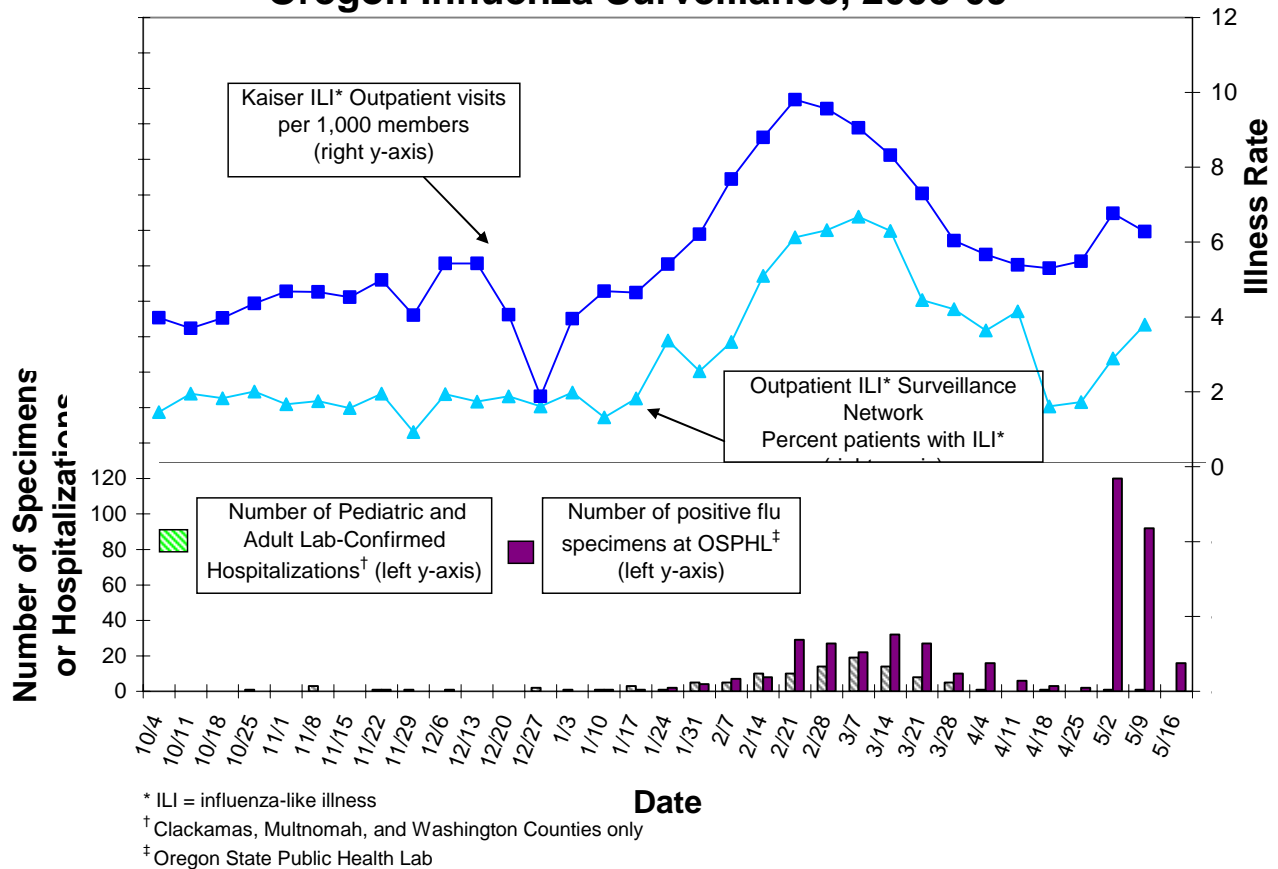
**For Week 32 of the 2008-09 Influenza Season  
Ending May 9th, 2009 (calendar week 18)**



## Summary

Forty-five novel influenza A (H1N1) specimens were identified at Oregon State Public Health Laboratory during week 32. An additional twenty-five influenza A (H3) and 21 influenza A (H1), of the seasonal variety, were identified as well. Kaiser syndromic surveillance showed a slight decrease in influenza-like-illness (ILI) activity from the week before while Sentinel Providers reported a slight increase.

## Oregon Influenza Surveillance, 2008-09



## 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.

Only one hospitalization in an adult was reported for week 32 in the Portland metro area. In total, five influenza-related hospitalizations related to novel influenza A (H1N1) of swine origin have been identified statewide.

### **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 6.28 per 1,000 Kaiser members during Week 32.

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 32 (ended May 9 <sup>th</sup> )	1082	3.79%	8
Week 31 (ended May 2 <sup>nd</sup> )	1140	2.89%	9
Week 30 (ended April 25 <sup>th</sup> )	1099	1.73%	8

### **Additional resources:**

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

Information regarding Oregon's novel H1N1 influenza investigation is available at: [http://www.oregon.gov/DHS/ph/acd/swineflu\\_investigation.shtml](http://www.oregon.gov/DHS/ph/acd/swineflu_investigation.shtml)

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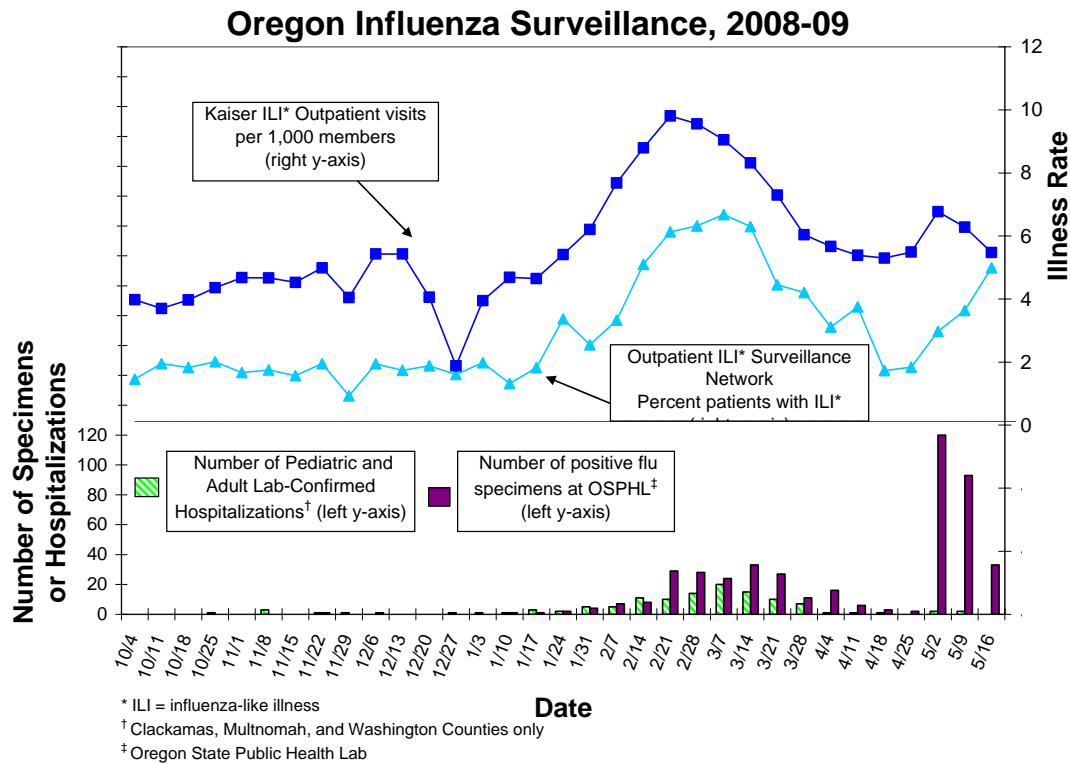
Oregon's Weekly Surveillance Report for Influenza and other Respiratory Viruses

**For Week 33 of the 2008-09 Influenza Season  
Ending May 16th, 2009 (calendar week 19)**



## Summary

Seventeen novel influenza A (H1N1) specimens were identified at Oregon State Public Health Laboratory during week 33 (May 10<sup>th</sup>-16<sup>th</sup>). Nine influenza A (H3) and 7 influenza A (H1), both of seasonal variety, were also identified, which gives an overall percent novel H1N1 of 52% for that week. Kaiser syndromic surveillance showed another decrease in influenza-like-illness (ILI) activity from the week before while Sentinel Providers reported an increase. However, only three sentinel provider reports were received in time for this summary.



## 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.

One pediatric hospitalization was reported for week 32 in the Portland metro area. Since the beginning of the 2008-09 season, 57 pediatric and 62 adult hospitalizations have been

reported. Please see below for more information pertaining specifically to statewide novel influenza A (H1N1) infections and hospitalizations.

### **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 5.48 per 1,000 Kaiser members during Week 33.

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 33 (ended May 16 <sup>th</sup> )	441	4.99	3
Week 32 (ended May 9 <sup>th</sup> )	1209	3.64	9
Week 31 (ended May 2 <sup>nd</sup> )	1244	2.97	10

### **Novel Influenza A (H1N1):**

#### **Characteristics of Novel Influenza A (H1N1) Cases (Confirmed and Probable) in Oregon, N=121:**

<b>Case Classification</b>	<b>N (%)</b>
Confirmed	120 (99)
Probable	1 (1)
<b>Age</b>	
Median	16
Range	0-78
<b>Symptom Onset</b>	
Range	Apr 20 – May 17
<b>Sex</b>	<b>N (%)</b>
Male	63 (52)
Female	57 (48)
<b>Hospitalized</b>	7 (6)
<b>Health Care Worker</b>	2 (2)
<b>Pregnant</b>	1 (1)

**Characteristics of Novel Influenza A (H1N1) Hospitalized Cases (Confirmed and Probable) in Oregon, N=7:**

Case Classification	N (%)
Confirmed	7 (100)
Probable	0
<b>Age</b>	
Median	16
Range	1-78
<b>Symptom Onset</b>	
Range	April 20-May1
<b>Sex</b>	
	N (%)
Male	4 (57)
Female	3 (43)
<b>Severity</b>	
Admitted to ICU	2 (29)
Died	0

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

**Additional resources:**

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

Information regarding Oregon's novel H1N1 influenza investigation is available at:  
[http://www.oregon.gov/DHS/ph/acd/swineflu\\_investigation.shtml](http://www.oregon.gov/DHS/ph/acd/swineflu_investigation.shtml)

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

National information on novel 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)

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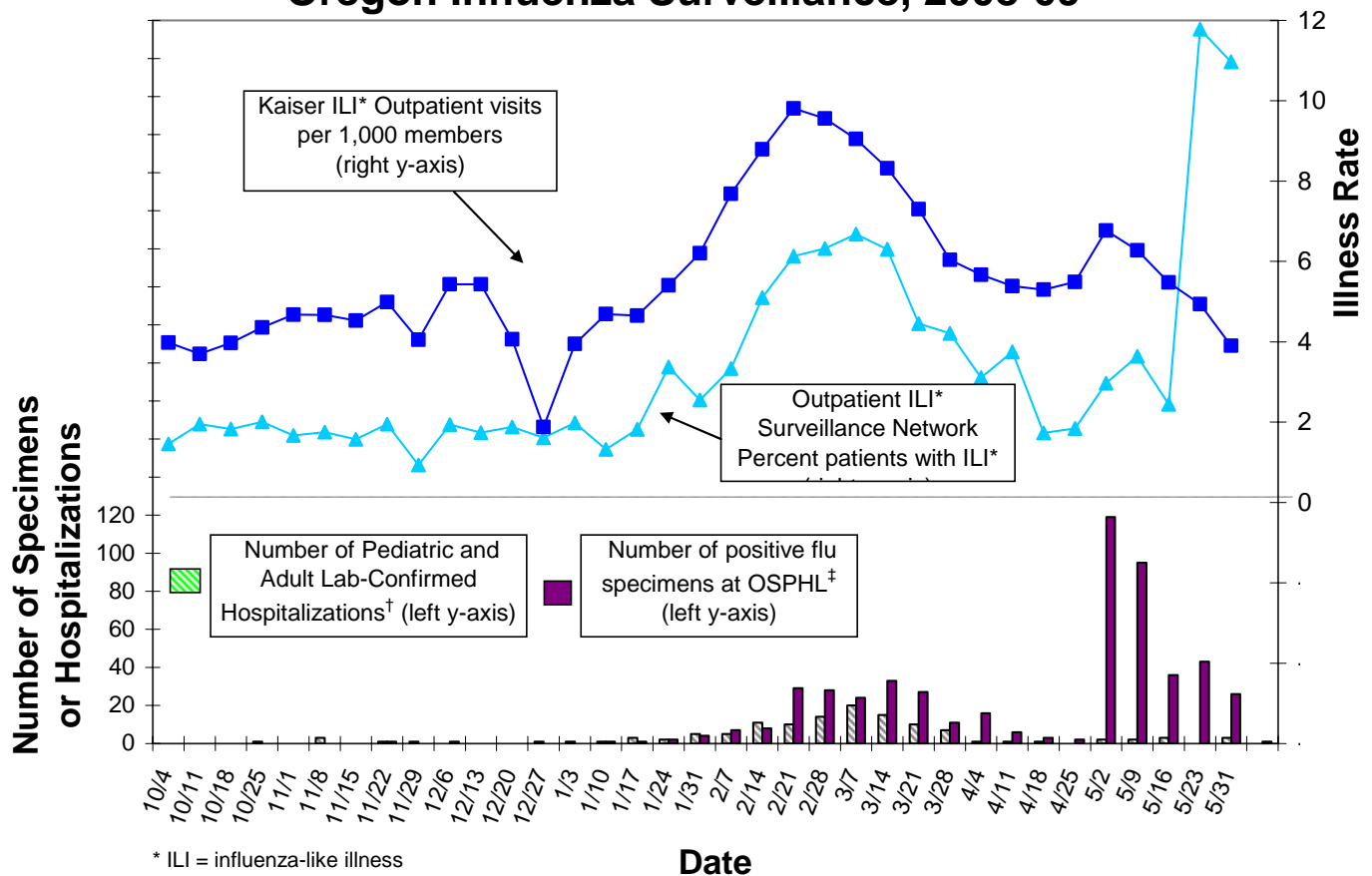
**For Week 35 of the 2008-09 Influenza Season  
Ending May 30th, 2009 (calendar week 21)**



## Summary

Twenty-two novel influenza A (H1N1) specimens were identified at Oregon State Public Health Laboratory during week 35 (May 24<sup>th</sup>-30<sup>th</sup>) and one has already been identified for the following week, bringing the total number of novel influenza A (H1N1) specimens to 168. In addition, an Oregon case has also been identified at Washington State's Public Health Lab. Only three influenza A(H3) and 1 influenza A(H1), both of seasonal variety, were identified, which gives an overall percent novel H1N1 of 81% for that week. Kaiser syndromic surveillance showed another decrease in influenza-like-illness (ILI) activity from the week before and has pretty much returned to baseline levels. Sentinel Providers reported a dramatic increase for the last two weeks; however only 4 reports were received in time for this report and the percent ILI is heavily influenced by one pediatric clinic that has an average percent ILI of 8%.

## Oregon Influenza Surveillance, 2008-09



\* ILI = influenza-like illness

† Clackamas, Multnomah, and Washington Counties only

‡ Oregon State Public Health Lab



## **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.

Three pediatric hospitalizations were reported for week 35 in the Portland metro area. Since the beginning of the 2008-09 season, 62 pediatric and 62 adult hospitalizations have been reported. Of these metro area hospitalizations, 3 pediatric and 3 adult hospitalizations due to novel influenza A (H1N1) have been identified. Please see below for more information pertaining specifically to statewide novel influenza A (H1N1) infections and hospitalizations.

## **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 3.90 per 1,000 Kaiser members during Week 35.

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 35 (ended May 30 <sup>th</sup> )	310	10.97	4
Week 34 (ended May 23 <sup>rd</sup> )	450	11.78	5
Week 33 (ended May 16 <sup>th</sup> )	983	2.44	6

## **Novel Influenza A (H1N1):**

### **Characteristics of Novel Influenza A (H1N1) Cases (Confirmed and Probable) in Oregon, N=168:**

Case Classification	N (%)
Confirmed	167 (99)
Probable	1 (1)

<b>Age</b>	
Median	16
Range	0-78
<b>Symptom Onset</b>	
Range	Apr 20 – May 17
<b>Sex</b>	<b>N (%)</b>
Male	86 (51)
Female	82 (49)
<b>Hospitalized*</b>	15 (11)
<b>Health Care Worker</b>	2 (1)
<b>Pregnant</b>	1 (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.

**Characteristics of Novel Influenza A (H1N1) Hospitalized Cases (Confirmed and Probable) in Oregon, N=15:**

<b>Case Classification</b>	<b>N (%)</b>
Confirmed	7 (100)
Probable	0
<b>Age</b>	
Median	13.5
Range	1-78
<b>Symptom Onset</b>	
Range	April 20-May18
<b>Sex</b>	<b>N (%)</b>
Male	7 (47)
Female	8 (53)
<b>Severity</b>	
Admitted to ICU	2 (13)
Died	0

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

**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 novel 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)

# FLU BITES

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

For Week 36 of the 2008-09 Influenza Season  
Ending June 6th, 2009 (calendar week 22)

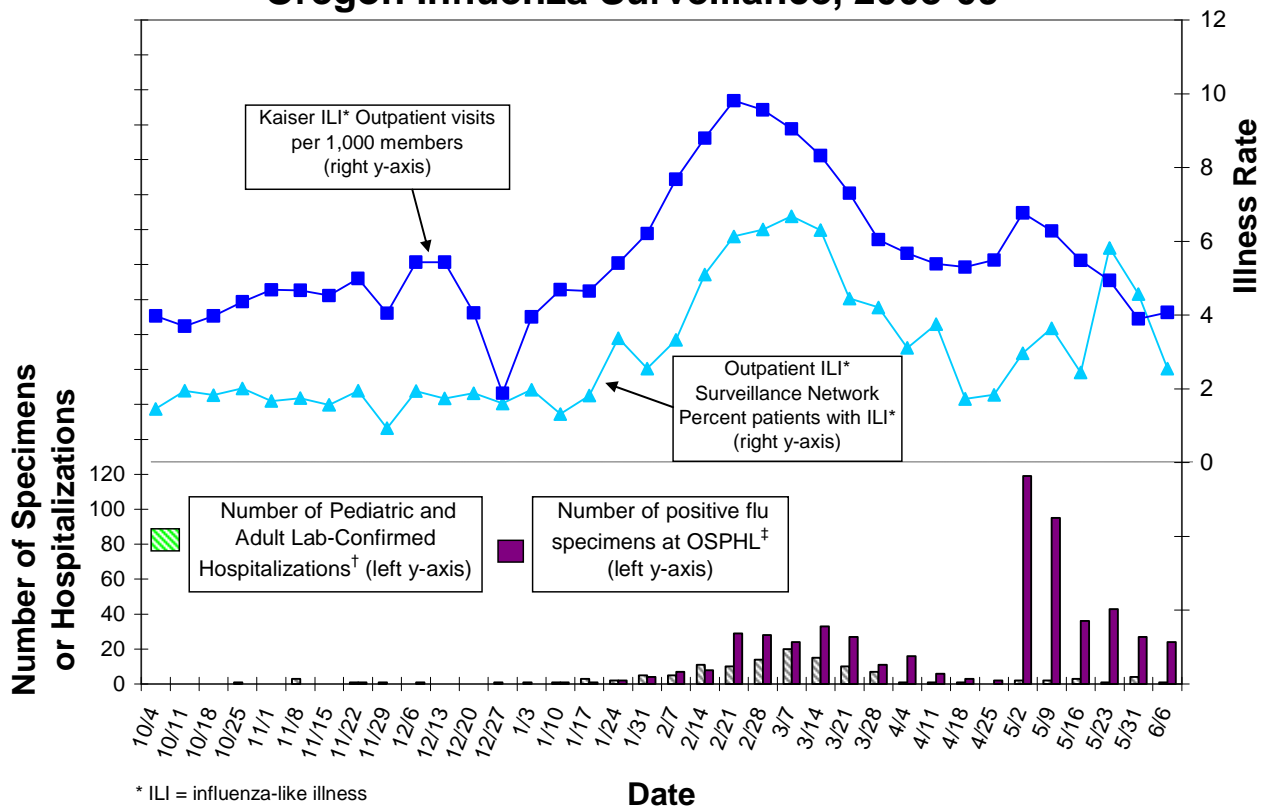


## Summary

Nineteen novel influenza A (H1N1) specimens were identified at Oregon State Public Health Laboratory during week 36 (May 31<sup>st</sup>-June 6<sup>th</sup>) 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 novel influenza A (H1N1) specimens to 189. No seasonal variety influenza viruses were identified during week 36. Kaiser syndromic surveillance showed a slight increase in influenza-like-illness (ILI) activity from the week before but remains very close to baseline levels. Sentinel Providers reported a decrease in outpatient ILI.

Oregon's first death in a confirmed novel influenza A (H1N1) case occurred on June 7, 2009. The Marion county resident was hospitalized for eight days and had multiple underlying health conditions. In addition, one other adult influenza hospitalization (seasonal variety) was reported during week 36.

Oregon Influenza Surveillance, 2008-09



\* ILI = influenza-like illness

† Clackamas, Multnomah, and Washington Counties only

‡ Oregon State Public Health Lab

## **Novel Influenza A (H1N1):**

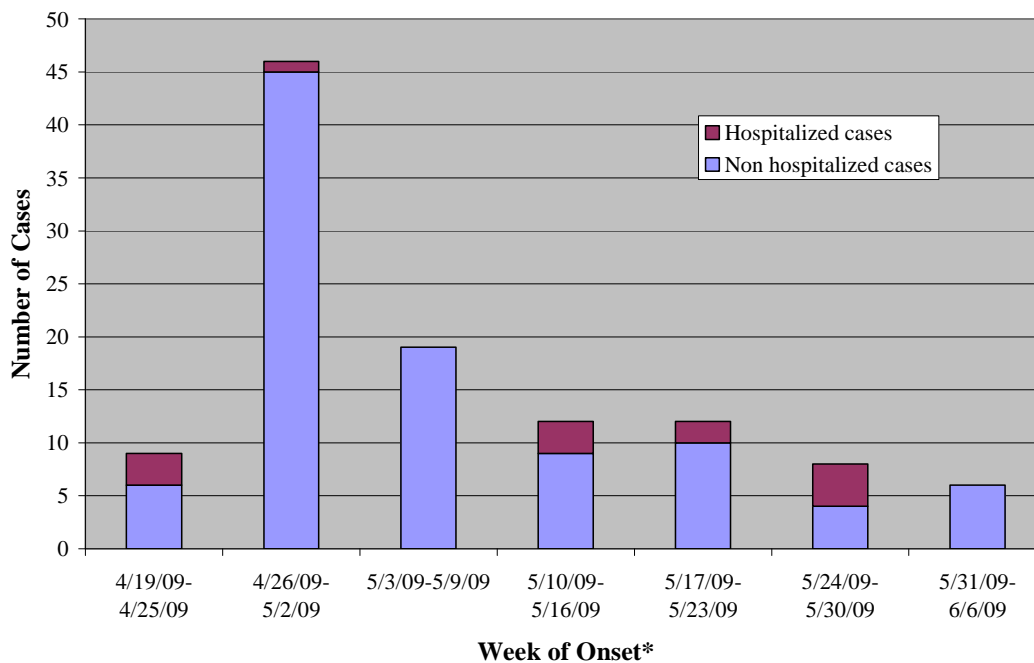
The Oregon Public Health Laboratory has identified 189 confirmed cases of novel influenza A (H1N1). More than half of the cases were located in the Portland metro area, with Marion and Polk counties also seeing relatively high numbers of cases.

On Sunday June 7<sup>th</sup>, a Marion county woman with confirmed novel influenza A (H1N1) died. She was hospitalized for eight days prior to her death and had multiple underlying health conditions.

### **Distribution of Confirmed Novel Influenza A (H1N1) Cases, by County and Age**

County	Number	Age			
		0 to 4	5 to 24	25 to 64	65+
Clackamas	17	1	9	7	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	21	4	14	3	0
Multnomah	57	2	33	22	1
Polk	41	3	31	7	0
Umatilla	3	1	0	2	0
Washington	31	3	19	9	0
Yamhill	1	0	0	1	0
<b>TOTAL</b>	<b>189</b>	<b>16</b>	<b>114</b>	<b>58</b>	<b>1</b>

### **Novel 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 115 confirmed cases.

**Characteristics of Novel Influenza A (H1N1) Cases (Confirmed and Probable) in Oregon, N=189**

<b>Case Classification</b>	<b>N (%)</b>
Confirmed	189 (100)
<b>Age</b>	
Median	16
Range	0-78
<b>Symptom Onset</b>	
Range	Apr 15 – June 6
<b>Sex</b>	
	<b>N (%)</b>
Male	95 (50)
Female	94 (50)
<b>Hospitalized*</b>	16 (8)
<b>Died</b>	1 (1)
<b>Health Care Worker</b>	2 (1)
<b>Pregnant</b>	1 (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.

**Characteristics of Novel Influenza A (H1N1) Hospitalized Cases (Confirmed and Probable) in Oregon, N=16**

<b>Case Classification</b>	<b>N (%)</b>
Confirmed	16 (100)
Probable	0
<b>Age</b>	
Median	15.5
Range	1-78
<b>Symptom Onset</b>	
Range	April 20-May28
<b>Sex</b>	
	<b>N (%)</b>
Male	8 (50)
Female	8 (50)
<b>Severity</b>	
Admitted to ICU	3 (19)
Died	1

Please note that the novel influenza A (H1N1) situation in Oregon evolves on a daily basis and these numbers are provisional. For more information on novel 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 novel influenza A (H1N1) laboratory confirmed cases.

One adult hospitalization was reported for week 36 in the Portland metro area. Since the beginning of the 2008-09 season, 62 pediatric and 63 adult hospitalizations have been reported. Of these metro area hospitalizations, 3 pediatric and 3 adult hospitalizations due to novel influenza A (H1N1) have been identified.

## **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 4.07 per 1,000 Kaiser members during Week 36.

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.

	<b>Number of Patients Visits</b>	<b>Percent Patients with ILI</b>	<b>No. of Provider Reports</b>
<b>Week 36 (ended June 6<sup>th</sup>)</b>	744	2.55	3
<b>Week 35 (ended May 30<sup>th</sup>)</b>	744	4.57	5
<b>Week 34 (ended May 23<sup>rd</sup>)</b>	911	5.82	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 novel 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)

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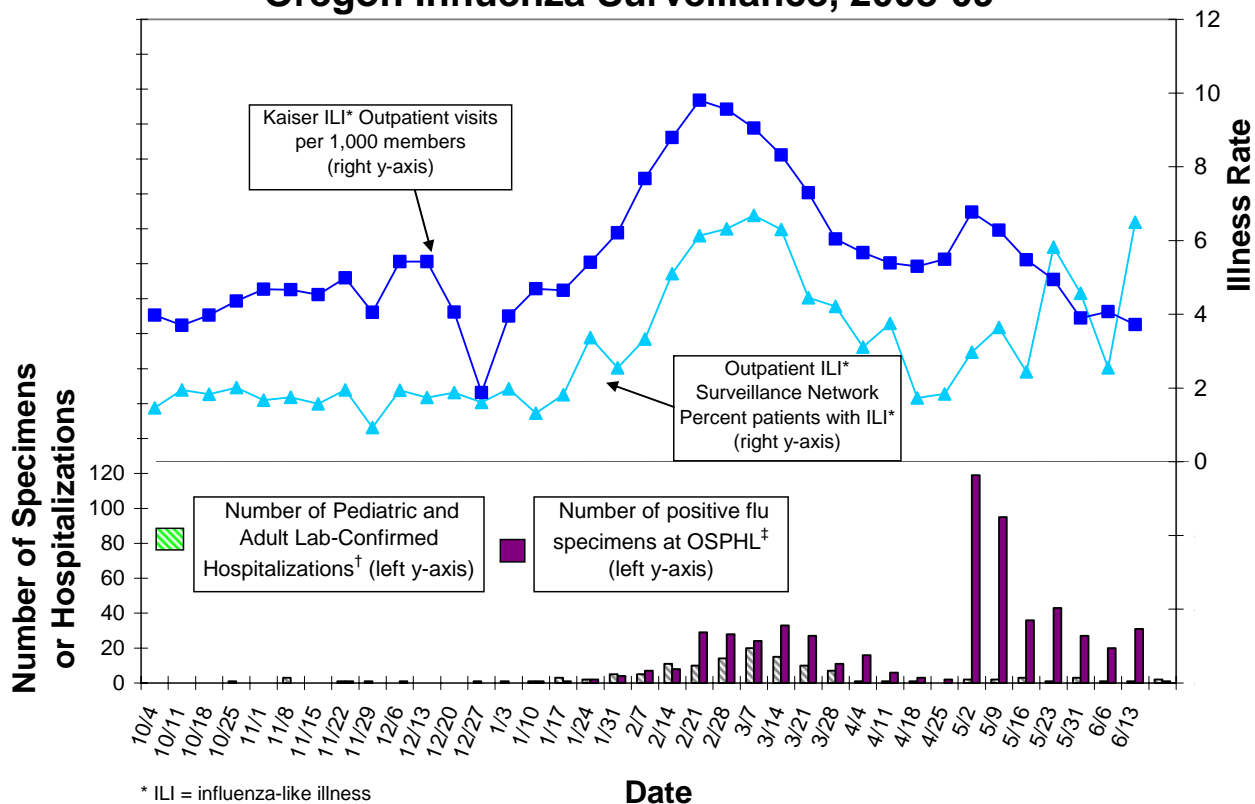
**For Week 37 of the 2008-09 Influenza Season  
Ending June 13th, 2009 (calendar week 23)**



## Summary

On June 11<sup>th</sup>, 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 7<sup>th</sup>-June 13<sup>th</sup>) 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

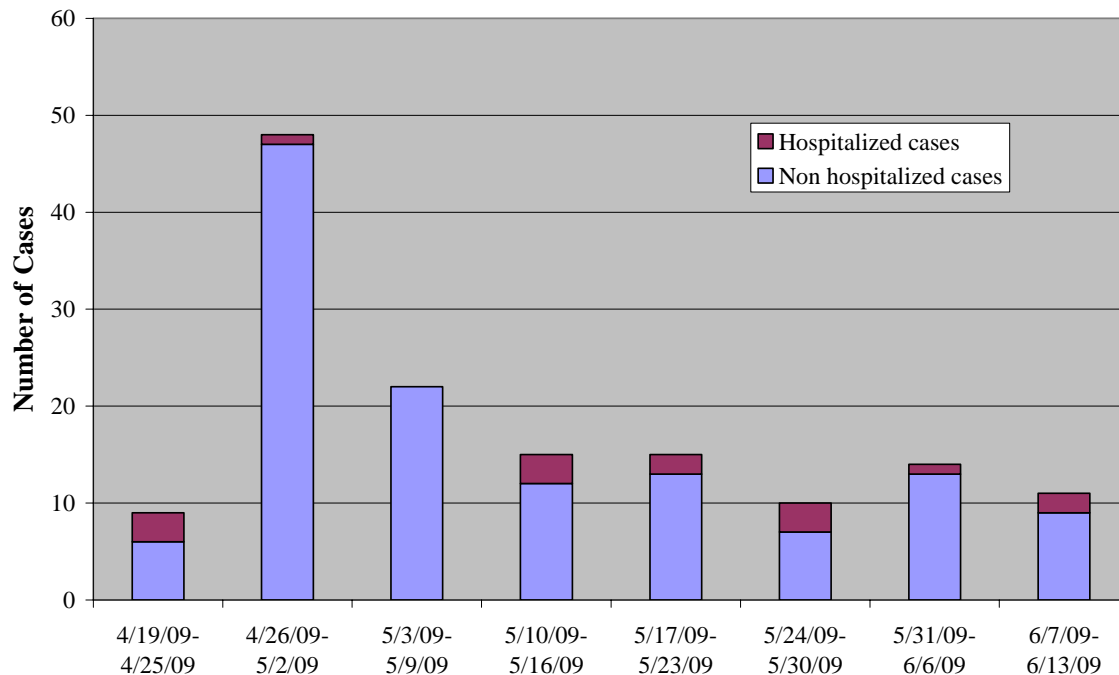
## Pandemic Influenza A (H1N1):

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
<b>TOTAL</b>	<b>219</b>	<b>17</b>	<b>135</b>	<b>66</b>	<b>1</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 151 confirmed cases.



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

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

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

Case Classification	N (%)
Confirmed	20 (100)
Probable	0
<b>Age</b>	
Median	15.5
Range	1-78
<b>Symptom Onset</b>	
Range	April 20-June 9
<b>Sex</b>	
Male	9 (45)
Female	11 (55)
<b>Severity</b>	
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 <sup>th</sup> )	277	18	3
Week 36 (ended June 6 <sup>th</sup> )	779	2.44	4
Week 35 (ended May 30 <sup>th</sup> )	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](http://www.oregon.gov/DHS/ph/acd/swineflu_investigation.shtml)

# FLU BITES

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

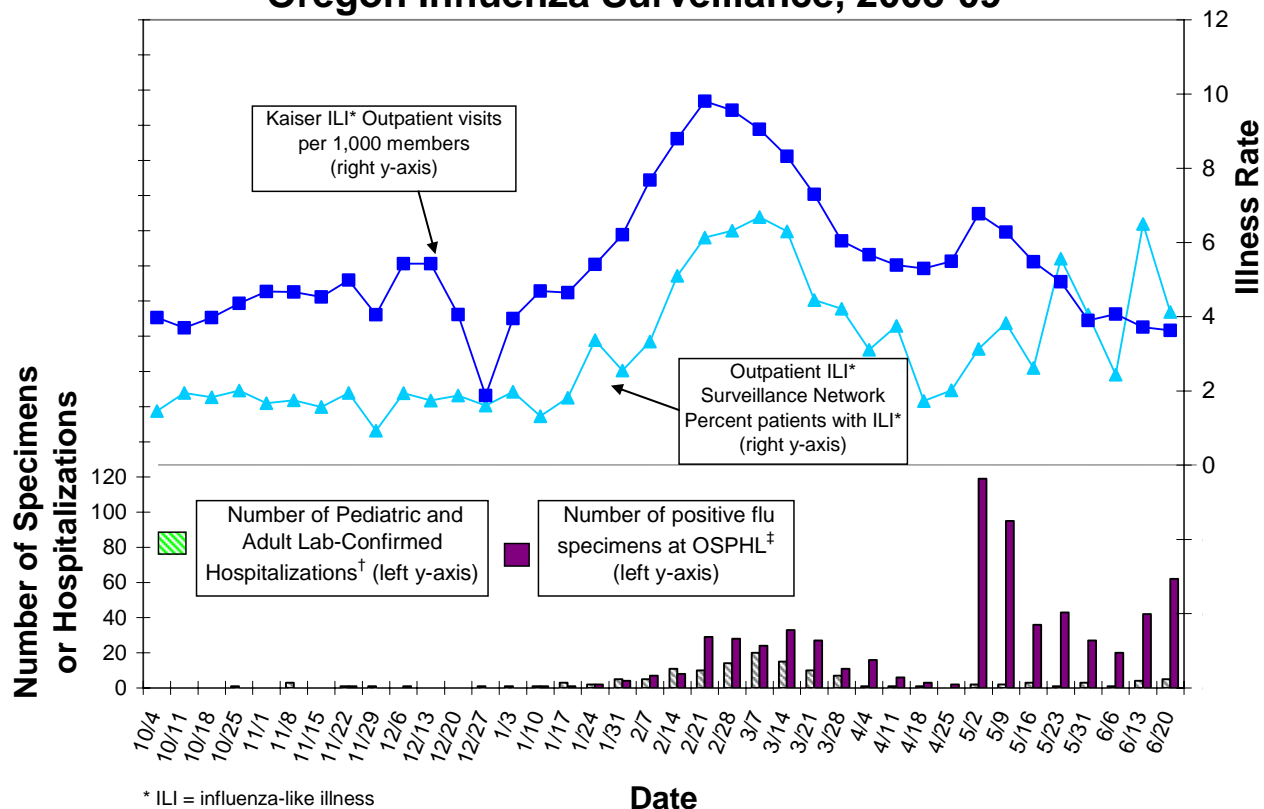
For Week 38 of the 2008-09 Influenza Season  
Ending June 20th, 2009 (calendar week 24)



## Summary

Pandemic influenza A (H1N1) activity increased in Oregon during the week of June 13<sup>th</sup>-20<sup>th</sup>. 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

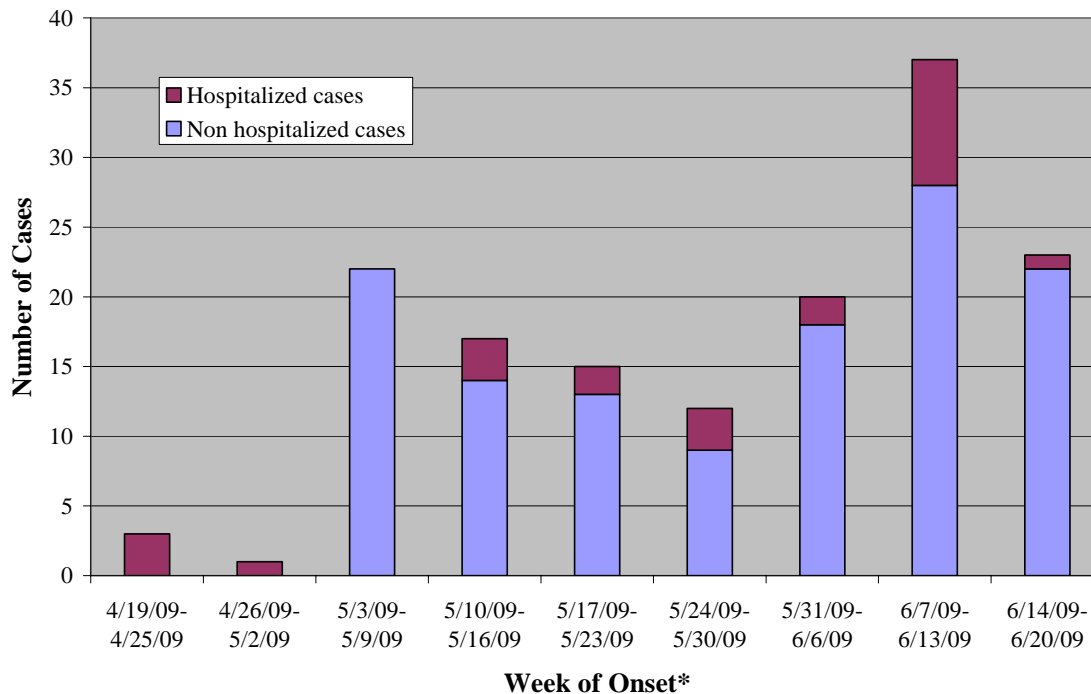
## Pandemic Influenza A (H1N1):

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
<b>TOTAL</b>	<b>291</b>	<b>24</b>	<b>176</b>	<b>87</b>	<b>2</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 207 confirmed cases.

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

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

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

Case Classification	N (%)
Confirmed	32 (100)
Probable	0
<b>Age</b>	
Median	14.5
Range	1-78
<b>Symptom Onset</b>	
Range	April 20-June 14
<b>Sex</b>	
Male	16 (50)
Female	16 (50)
<b>Severity</b>	
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 27<sup>th</sup>). 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 <sup>th</sup> )	339	4.13	4
Week 37 (ended June 13 <sup>th</sup> )	277	6.50	3
Week 36 (ended June 6 <sup>th</sup> )	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](http://www.oregon.gov/DHS/ph/acd/swineflu_investigation.shtml)

# FLU BITES

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

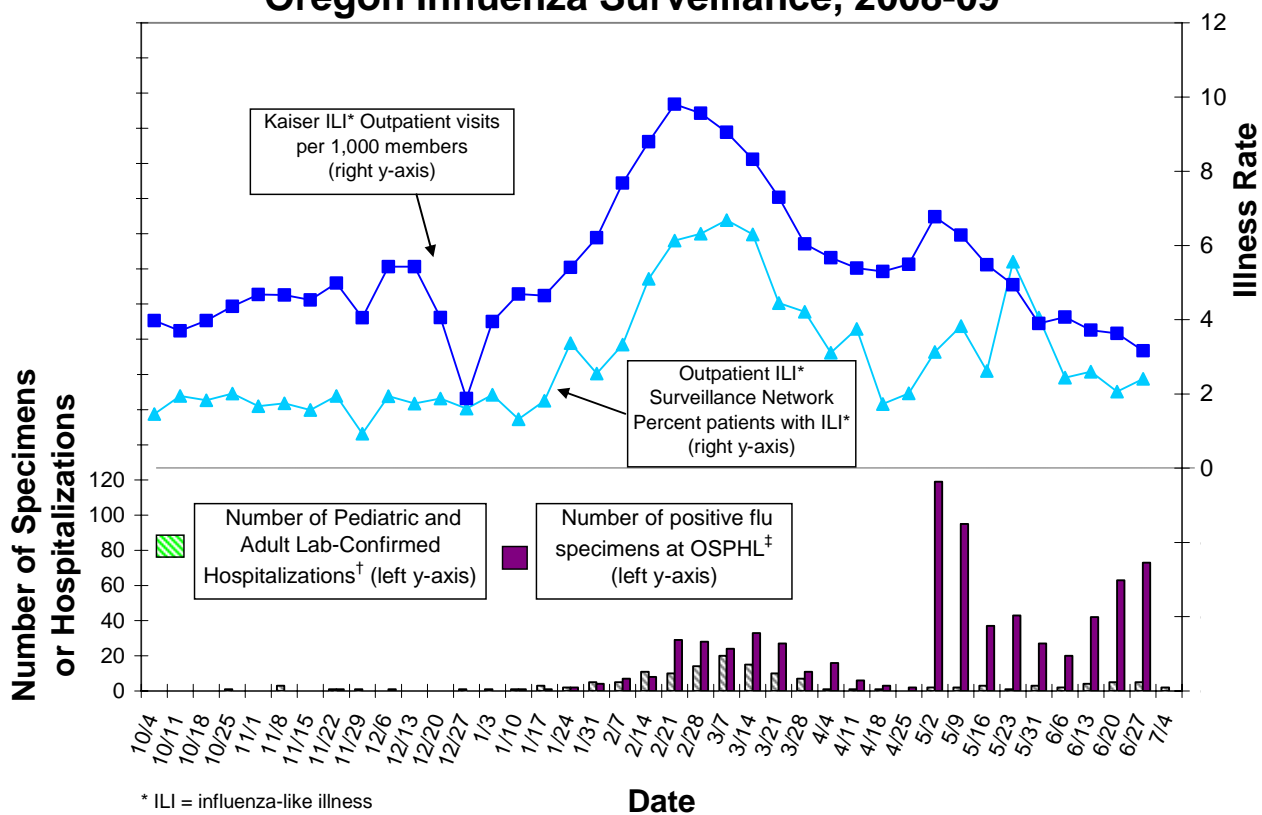
**For Week 39 of the 2008-09 Influenza Season  
Ending June 27th, 2009 (calendar week 25)**



## Summary

Seventy-three 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 366. One seasonal influenza A (H3) virus was also identified during flu week 39. Five influenza-related hospitalizations were reported during this week, three of which have been confirmed H1N1 (the other two are pending). Influenza-like illness activity remained fairly low.

**Oregon Influenza Surveillance, 2008-09**



\* ILI = influenza-like illness  
 † Clackamas, Multnomah, and Washington Counties only  
 ‡ Oregon State Public Health Lab

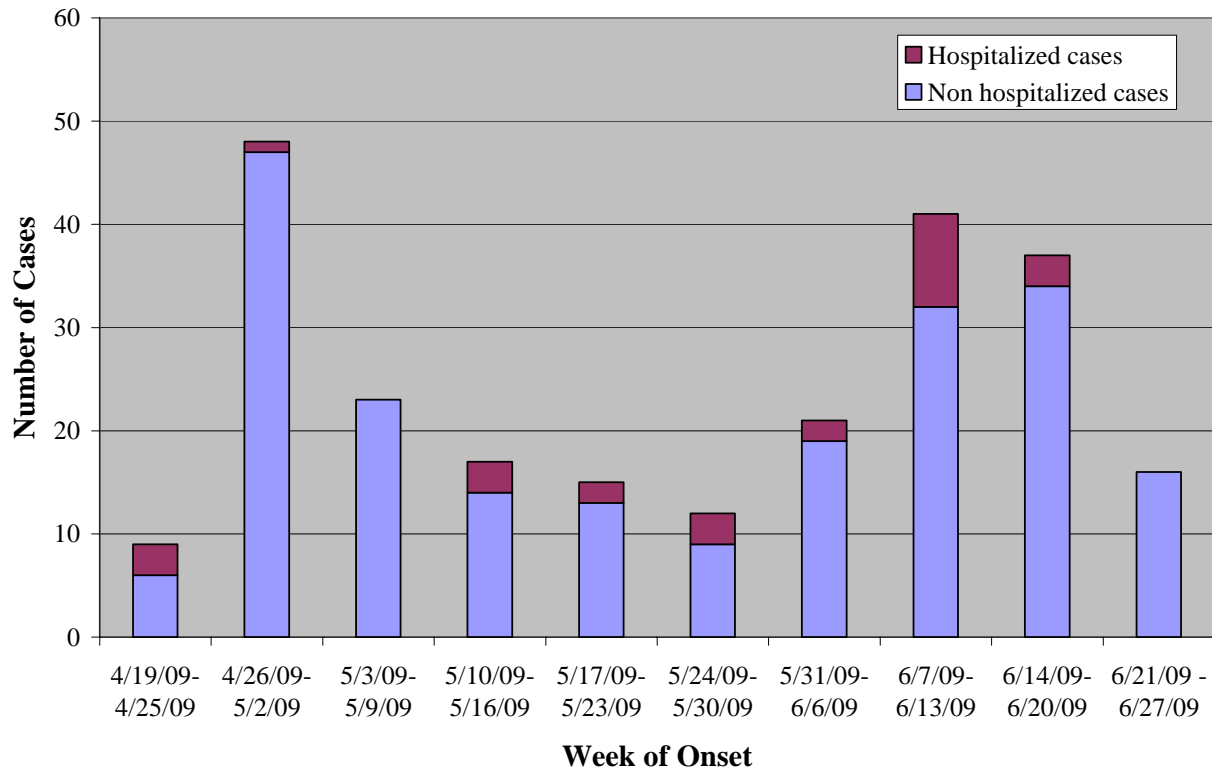
## Pandemic Influenza A (H1N1):

The Oregon Public Health Laboratory has identified 366 confirmed cases of pandemic influenza A (H1N1) in seventeen counties. The cases range in age from 0 to 85 years; the median age is 16. Thirty-eight hospitalizations have been reported (six 0-4 year-olds, fifteen 5-24 year-olds, fifteen 25-64 year-olds and two 65+ year-olds). Four deaths have been occurred (one child and three adults). The cases remain fairly evenly split between the sexes with 195 males and 171 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	3	0	1	2	0
Clackamas	37	4	18	15	0
Clatsop	2	0	1	1	0
Columbia	1	0	1	0	0
Deschutes	3	0	3	0	0
Douglas	1	0	1	0	0
Jackson	2	0	0	2	0
Lane	15	2	8	5	0
Lincoln	3	0	1	2	0
Linn	3	0	2	1	0
Marion	72	13	42	16	1
Multnomah	95	2	60	31	2
Polk	51	5	35	11	0
Tillamook	5	1	1	3	0
Umatilla	4	1	1	2	0
Washington	61	6	34	21	0
Yamhill	8	1	4	3	0
<b>TOTAL</b>	<b>366</b>	<b>35</b>	<b>213</b>	<b>115</b>	<b>3</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 240 confirmed cases.



### Characteristics of Pandemic Influenza A (H1N1) Cases in Oregon, N=366

Case Classification	N (%)
Confirmed	366 (100)
<b>Age</b>	
Median	16
Range	0-85
<b>Symptom Onset</b>	
Range	Apr 15 – June 23
<b>Sex</b>	
N (%)	
Male	195 (53)
Female	171 (47)
<b>Hospitalized*</b>	38 (10)
<b>Died</b>	4 (1)
<b>Health Care Worker</b>	2 (<1)
<b>Pregnant</b>	2 (<1)

### Characteristics of Hospitalized Pandemic Influenza A (H1N1) Cases in Oregon, N=38

Case Classification	N (%)
Confirmed	38 (100)
Probable	0
<b>Age</b>	
Median	21
Range	0-85
<b>Symptom Onset</b>	
Range	April 20-June 14
<b>Sex</b>	
N (%)	
Male	19 (50)
Female	19 (50)
<b>Severity</b>	
Admitted to ICU	5 (13)
Died	3 (8)

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 flu week 39 (ending June 27<sup>th</sup>). 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 76 adult hospitalizations have been reported. Of the 29 metro area hospitalizations that have occurred since the pandemic influenza A (H1N1) strain emerged, 8 pediatric and 12 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 3.16 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 39 (ended June 27 <sup>th</sup> )	582	2.41	4
Week 38 (ended June 20 <sup>th</sup> )	680	2.06	5
Week 37 (ended June 13 <sup>th</sup> )	732	2.60	4

### **Additional resources:**

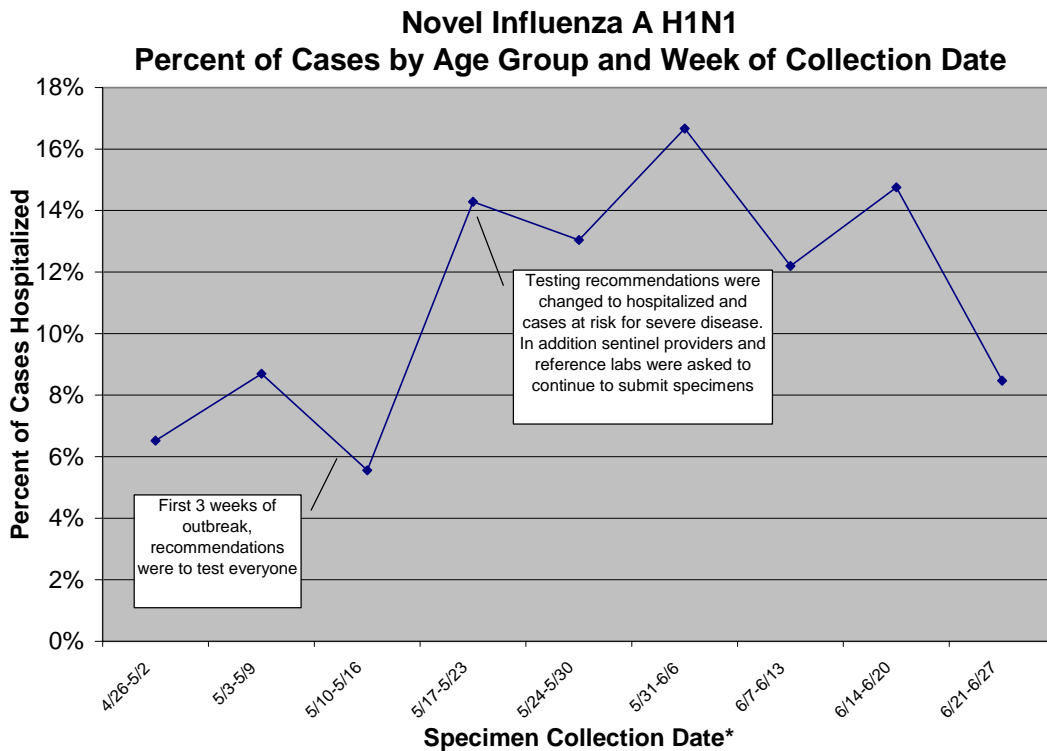
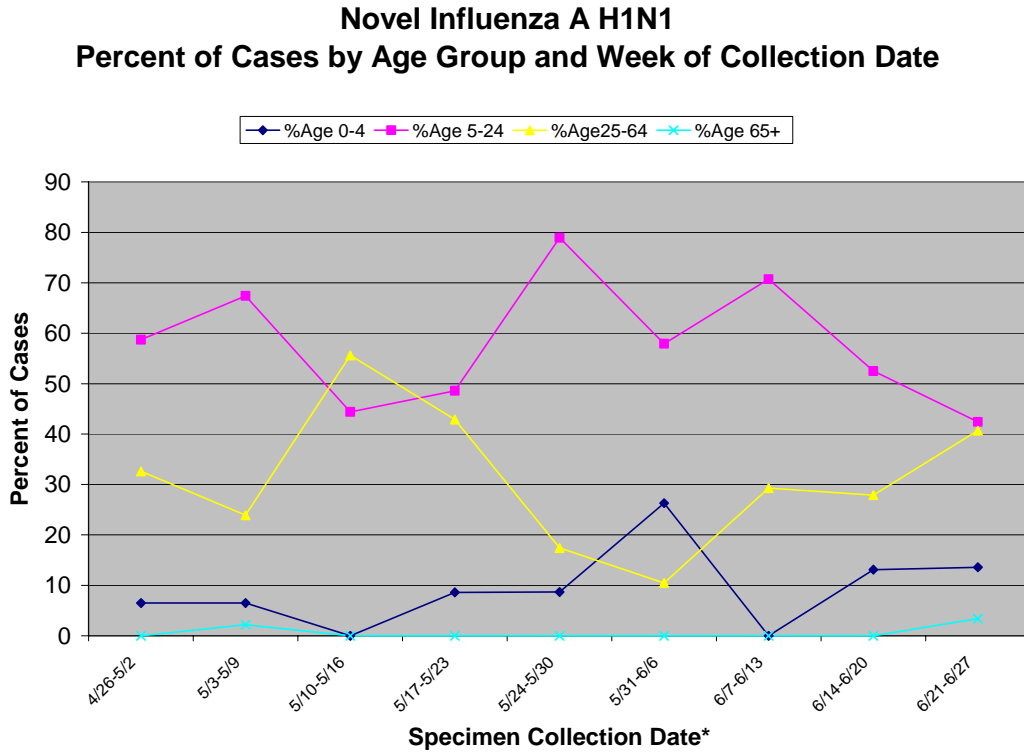
More Oregon influenza surveillance data is available at: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml>

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](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.



# FLU BITES

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

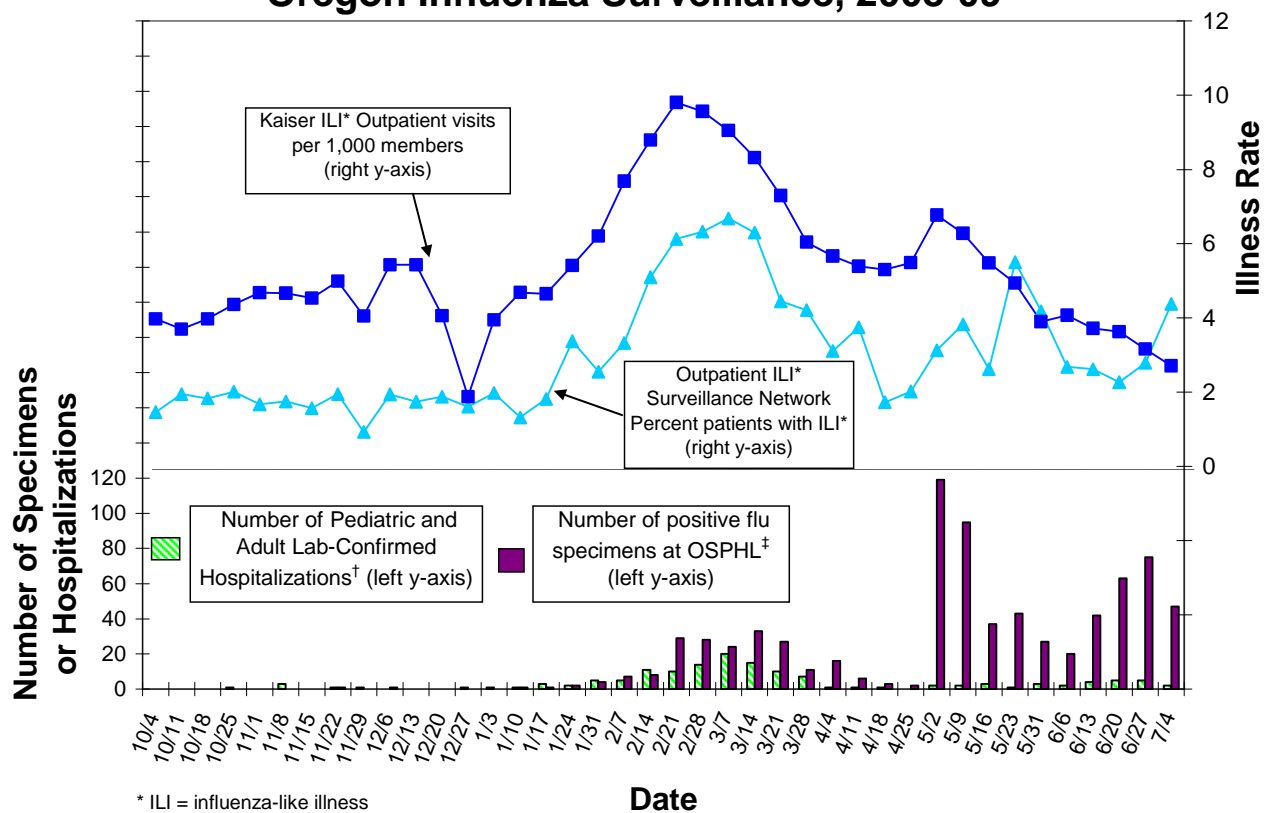
For Week 40 of the 2008-09 Influenza Season  
Ending July 4th, 2009 (calendar week 26)



## Summary

Forty-seven 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 420. No seasonal influenza was identified this week. Two influenza-related hospitalizations were reported during this week, one of which has been confirmed H1N1. Kaiser ILI visits decreased again this week while Sentinel Providers noted another increase among the providers who reported.

Oregon Influenza Surveillance, 2008-09



\* ILI = influenza-like illness  
† Clackamas, Multnomah, and Washington Counties only  
‡ Oregon State Public Health Lab

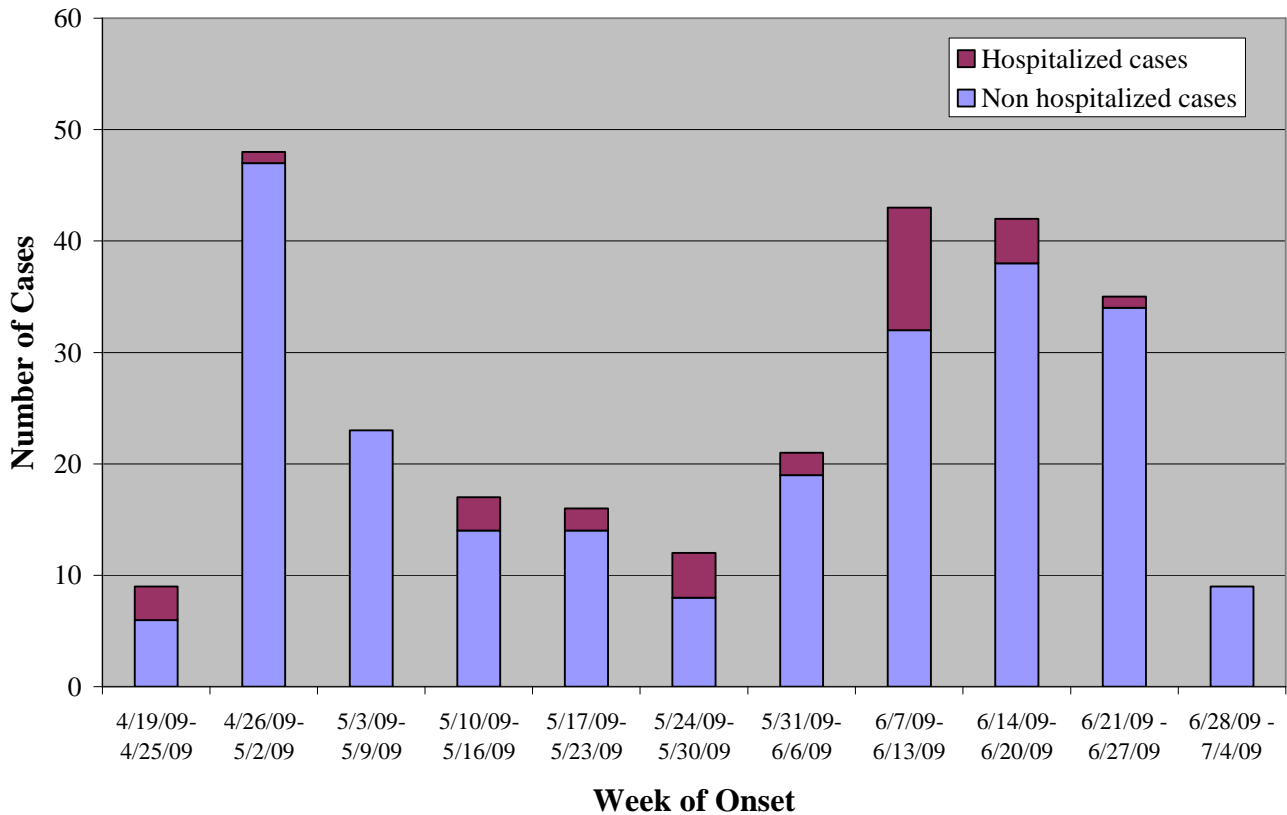
## Pandemic Influenza A (H1N1):

The Oregon Public Health Laboratory has identified 420 confirmed cases of pandemic influenza A (H1N1) in nineteen counties. The cases range in age from 1 month to 85 years; the median age is 16; there were 222 males and 198 females. Forty-one (9.7%) of cases were hospitalized. Hospitalized cases range in age from 1 month to 85 years with a median age of 22. Four deaths have been reported (one child and three adults).

## Distribution of Pandemic Influenza A (H1N1) 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	41	4	20	15	2	0
Clatsop	5	0	1	3	1	0
Columbia	1	0	1	0	0	0
Crook	2	0	1	1	0	0
Deschutes	3	0	3	0	0	0
Douglas	5	1	3	0	1	0
Hood River	1	0	0	1	0	0
Jackson	2	0	0	1	1	0
Lane	20	3	10	5	2	0
Lincoln	3	0	1	1	1	0
Linn	5	0	2	3	0	0
Marion	87	19	47	11	8	2
Multnomah	109	2	65	34	6	2
Polk	50	5	35	9	2	0
Tillamook	5	1	1	3	0	0
Umatilla	4	1	1	1	1	0
Washington	65	6	37	20	2	0
Yamhill	9	1	4	4	0	0
<b>TOTAL</b>	<b>420</b>	<b>43</b>	<b>233</b>	<b>113</b>	<b>27</b>	<b>4</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 276 confirmed cases.

### Characteristics of Pandemic Influenza A (H1N1) Cases in Oregon, N=420

Case Classification	N (%)
Confirmed	420 (100)
<b>Age</b>	
Median	16
Range	1 month-85 years
<b>Symptom Onset</b>	
Range	Apr 15 – July 1
<b>Sex</b>	
	N (%)
Male	222 (53)
Female	198 (47)
<b>Hospitalized</b>	41 (10)
<b>Died</b>	4 (1)
<b>Health Care Worker</b>	3 (<1)
<b>Pregnant</b>	2 (<1)

### Characteristics of Hospitalized Pandemic Influenza A (H1N1) Cases in Oregon, N=41

Case Classification	N (%)
Confirmed	41 (100)
Probable	0
<b>Age</b>	
Median	22
Range	1 month – 85 years
<b>Symptom Onset</b>	
Range	April 20-June 20
<b>Sex</b>	
	N (%)
Male	20 (48)
Female	21 (52)
<b>Severity</b>	
Admitted to ICU	5 (12)
Died	3 (7)

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.

Two adults were hospitalized with lab-confirmed influenza during flu week 40 (ending July 4<sup>th</sup>.) One of these hospitalizations was confirmed pandemic H1N1; the other specimen was negative for pandemic H1N1. Since the beginning of the 2008-09 season, 67 pediatric and 81 adult hospitalizations have been reported. Of the 31 metro area hospitalizations that have occurred since the pandemic influenza A (H1N1) strain emerged, 8 pediatric and 13 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 2.71 per 1,000 Kaiser members during Week 40, the lowest rate since the beginning of the flu season aside from the week of the winter snow storm.

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.

	<b>Number of Patients Visits</b>	<b>Percent Patients with ILI</b>	<b>No. of Provider Reports</b>
<b>Week 40 (ended July 4<sup>th</sup>)</b>	297	4.38	4
<b>Week 39 (ended June 27<sup>th</sup>)</b>	609	2.79	5
<b>Week 38 (ended June 20<sup>th</sup>)</b>	705	2.27	6

### **Additional resources:**

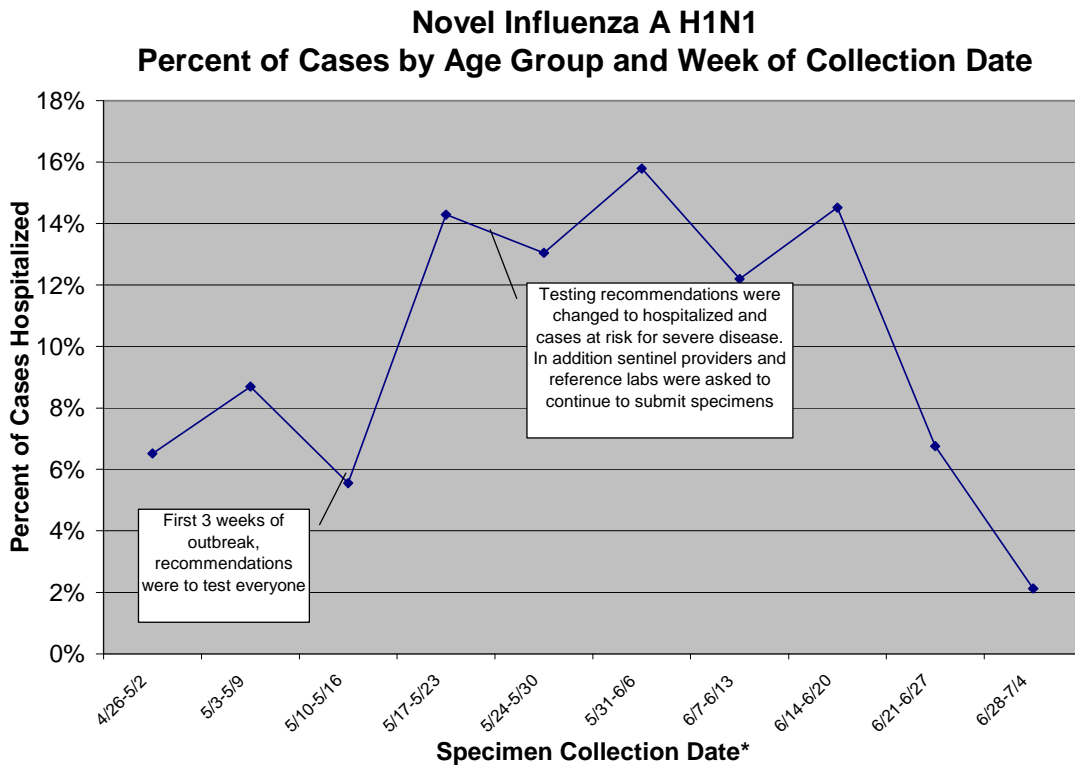
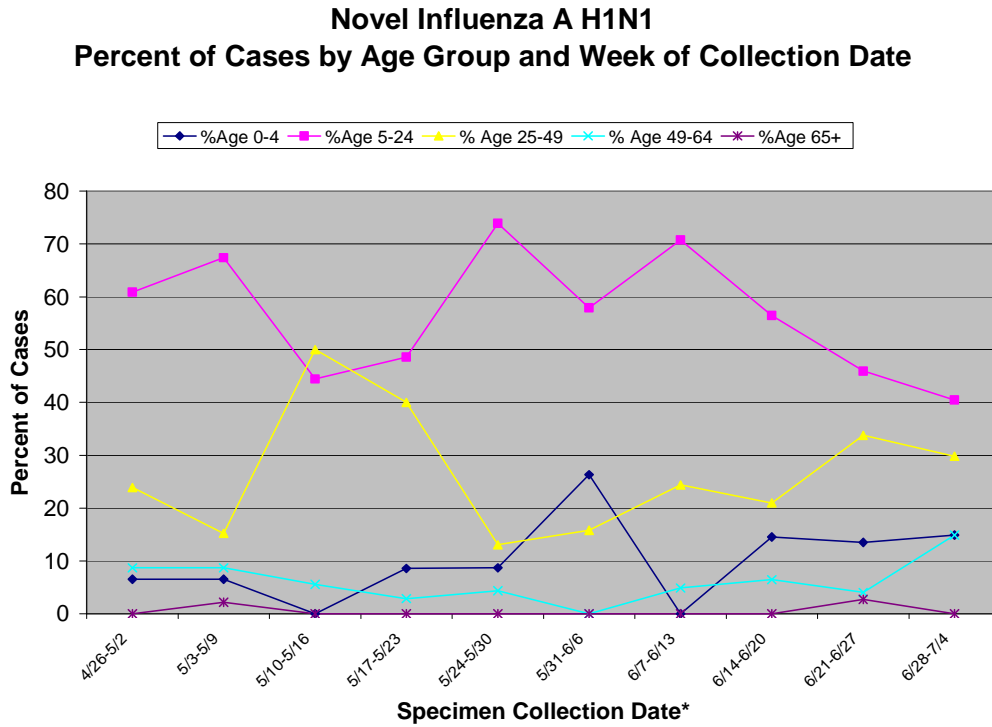
More Oregon influenza surveillance data is available at: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml>

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.





# FLU BITES

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

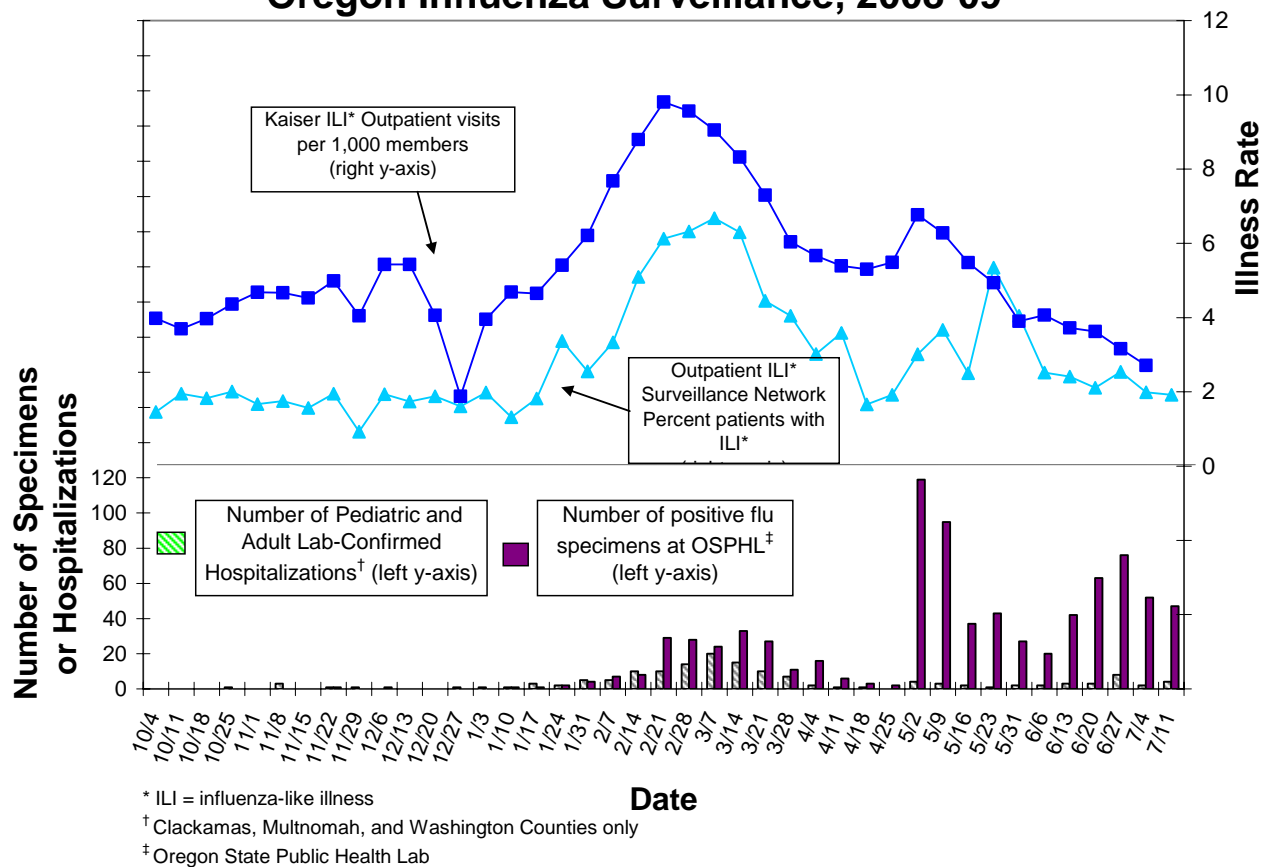
For week ending July 11th, 2009  
(calendar week 27)



## 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



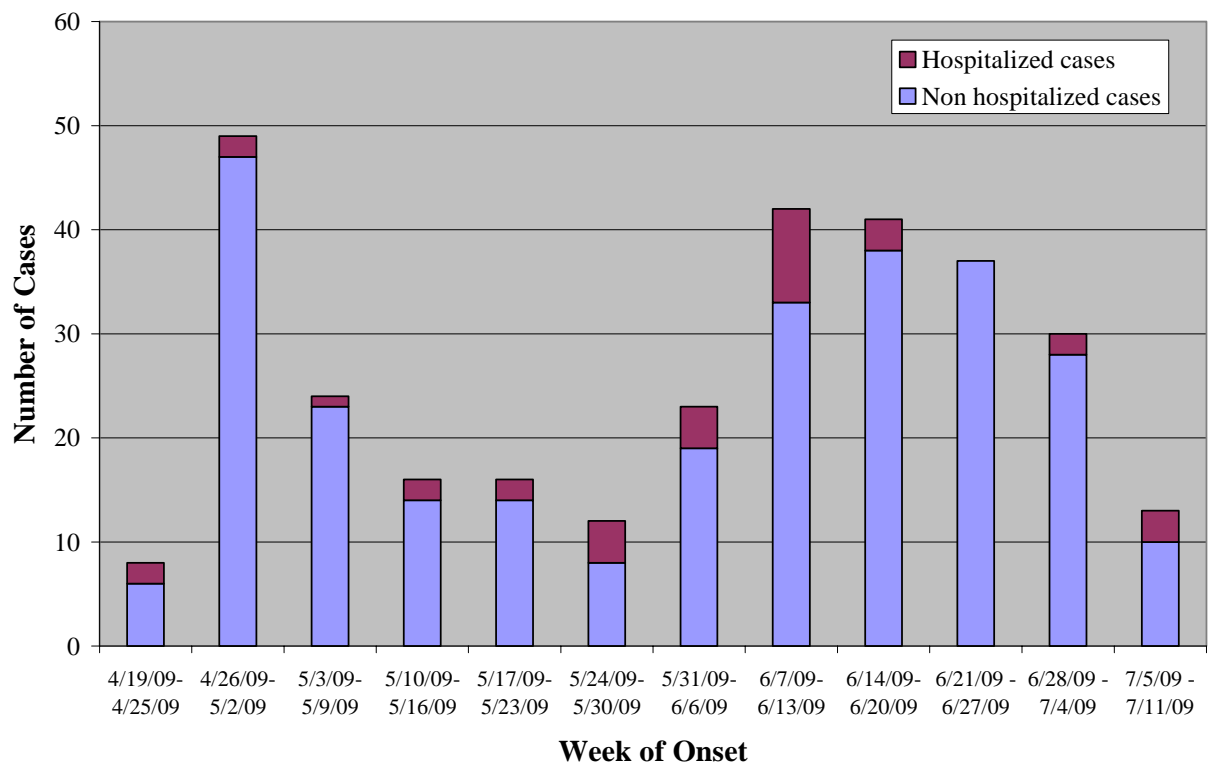
## Pandemic Influenza A (H1N1):

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:**

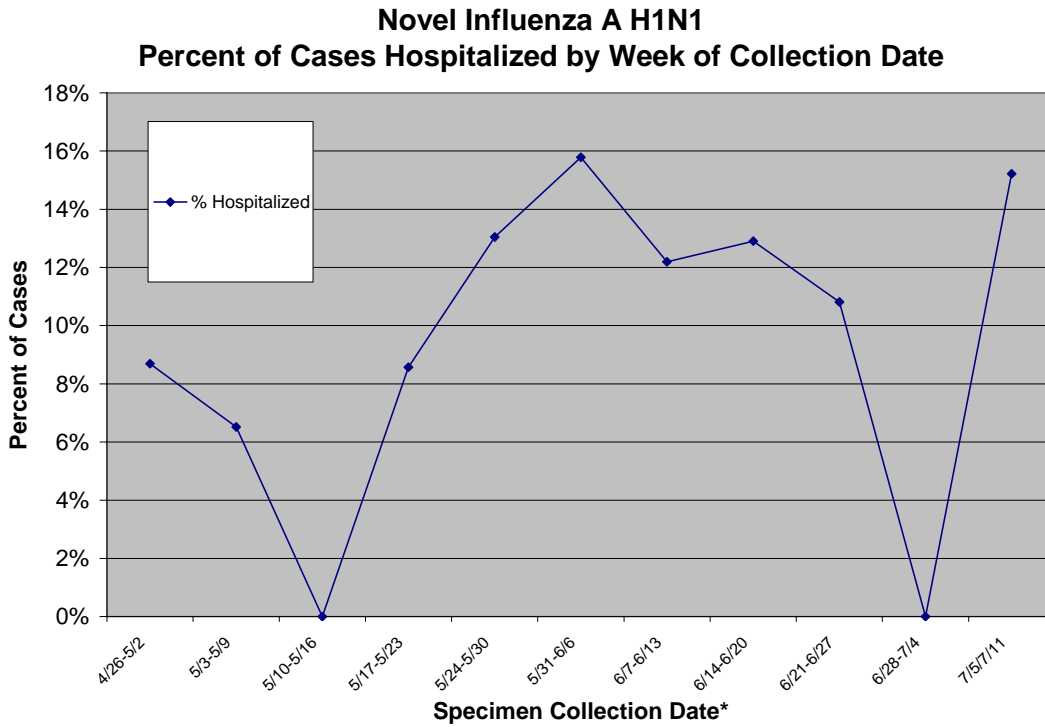
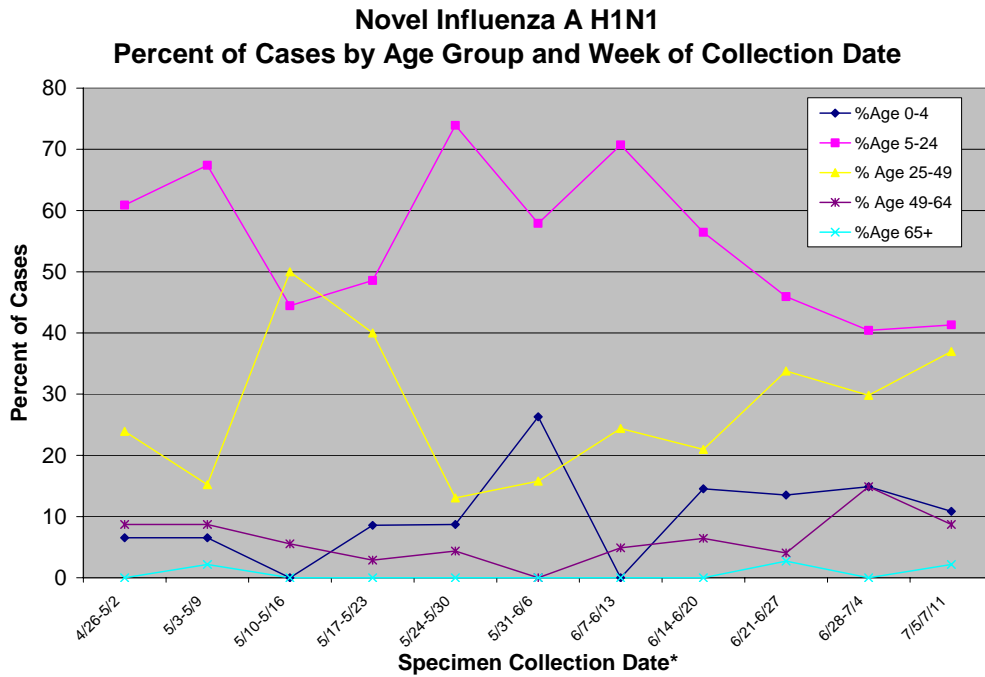
More Oregon influenza surveillance data is available at: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml>

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.



# FLU BITES

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

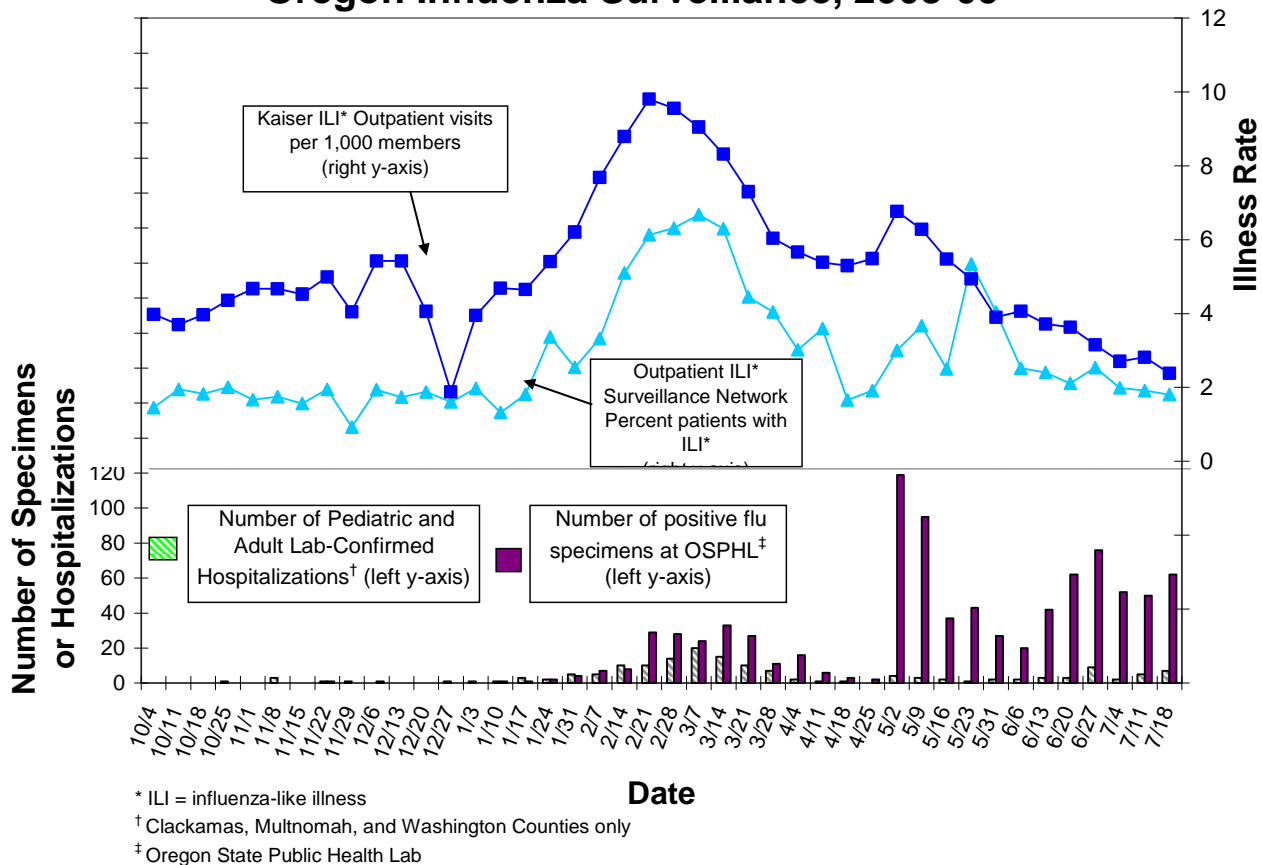
For week ending July 18th, 2009  
(calendar week 28)



## Summary

Sixty-two pandemic influenza A (H1N1) specimens were identified at Oregon State Public Health Laboratory during the week of July 12<sup>th</sup>-18<sup>th</sup>. The total number of pandemic influenza A (H1N1) specimens identified in Oregon has increased to 530. Statewide, two pediatric and five adult influenza-related hospitalizations occurred during this week, all of which have been confirmed H1N1. No seasonal influenza was identified this week.

## Oregon Influenza Surveillance, 2008-09



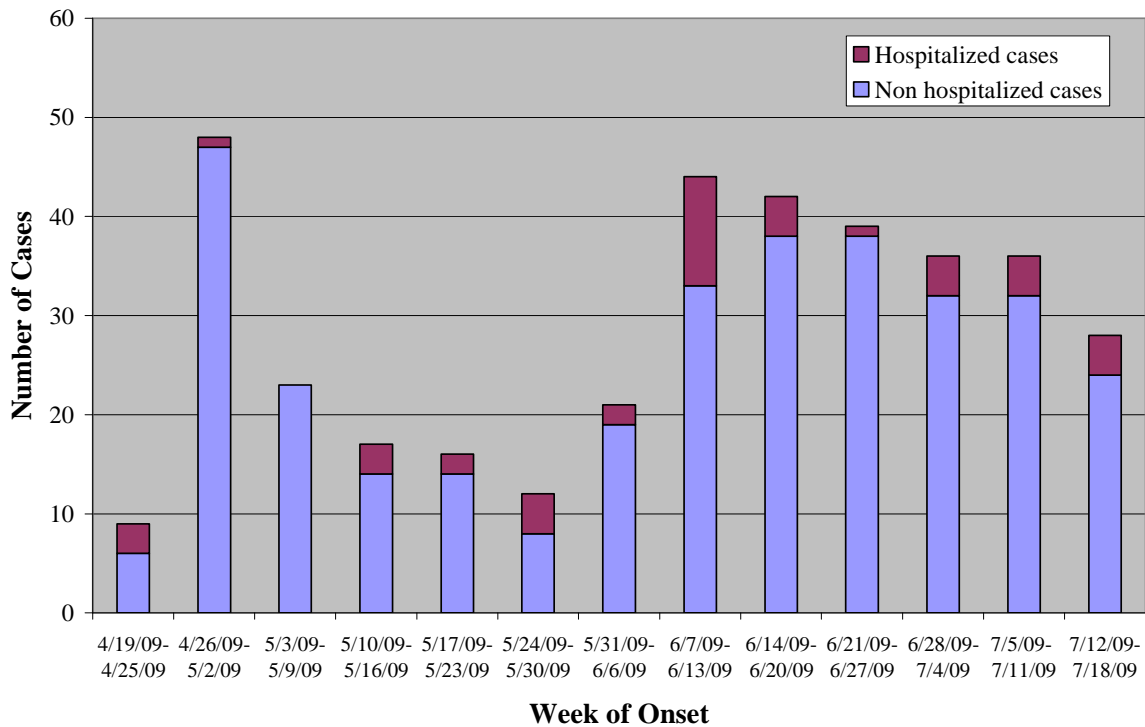
## Pandemic Influenza A (H1N1):

The Oregon Public Health Laboratory has identified 530 confirmed cases of pandemic influenza A (H1N1) in twenty-one counties. The cases range in age from 1 month to 85 years; the median age is 18; there were 276 males and 254 females. Fifty-seven (10.7%) of cases were hospitalized. Hospitalized cases range in age from 1 month to 85 years with a median age of 25. Six deaths have been reported (one child and five 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	4	0	2	1	1	0
Clackamas	46	5	21	17	2	0
Clatsop	9	0	4	4	1	0
Columbia	1	0	1	0	0	0
Crook	2	0	1	1	0	0
Deschutes	9	3	4	2	0	0
Douglas	6	1	4	0	1	0
Hood River	1	0	0	1	0	0
Jackson	5	0	2	1	2	0
Klamath	1	0	0	1	0	0
Lane	42	4	21	12	4	1
Lincoln	5	0	3	1	1	0
Linn	4	0	2	2	0	1
Marion	102	23	54	15	8	2
Multnomah	132	5	68	47	10	2
Polk	54	5	38	9	2	0
Tillamook	6	1	2	3	0	0
Umatilla	5	2	1	1	1	0
Wasco	3	1	2	0	0	0
Washington	82	7	42	26	7	0
Yamhill	12	2	6	4	0	0
<b>TOTAL</b>	<b>530</b>	<b>59</b>	<b>277</b>	<b>149</b>	<b>40</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 378 confirmed cases.

### Characteristics of Pandemic Influenza A (H1N1) Cases in Oregon, N=530

Case Classification	N (%)
Confirmed	530 (100)
<b>Age</b>	
Median	18
Range	0-85
<b>Symptom Onset</b>	
Range	Apr 15 – July 17
<b>Sex</b>	
Male	276 (52)
Female	254 (48)
<b>Hospitalized*</b>	57 (10)
<b>Died</b>	6 (1)
<b>Health Care Worker</b>	2 (<1)
<b>Pregnant</b>	3 (1)

### Characteristics of Hospitalized Pandemic Influenza A (H1N1) Cases in Oregon, N=57

Case Classification	N (%)
Confirmed	57 (100)
Probable	0
<b>Age</b>	
Median	25
Range	0-85
<b>Symptom Onset</b>	
Range	April 20-July 17
<b>Sex</b>	
Male	27 (47)
Female	30 (53)
<b>Severity</b>	
Admitted to ICU	6 (10)
Died	5 (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.

Two adults were hospitalized in the tri-county area with lab-confirmed pandemic H1N1 influenza during the week of July 12<sup>th</sup>-18<sup>th</sup>.

### **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.

	<b>Number of Patients Visits</b>	<b>Percent Patients with ILI</b>	<b>No. of Provider Reports</b>
<b>Week ending July 18th</b>	221	1.81	5
<b>Week ending July 11th</b>	731	1.92	5
<b>Week ending July 4th</b>	654	1.99	5

### **Additional resources:**

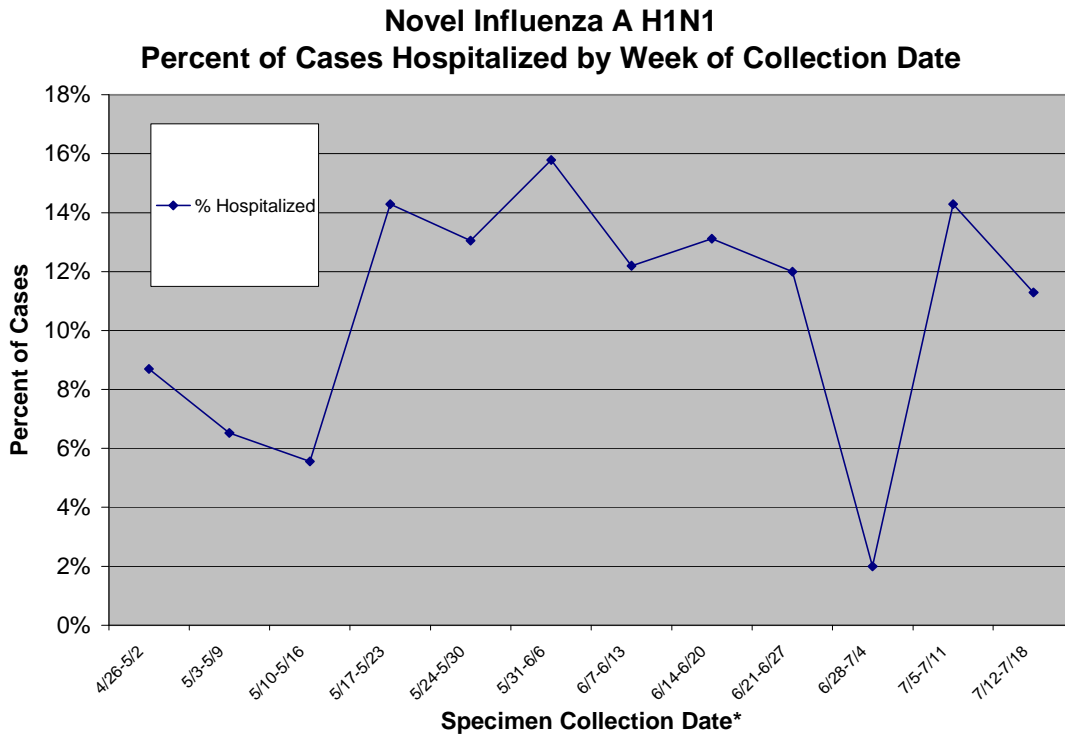
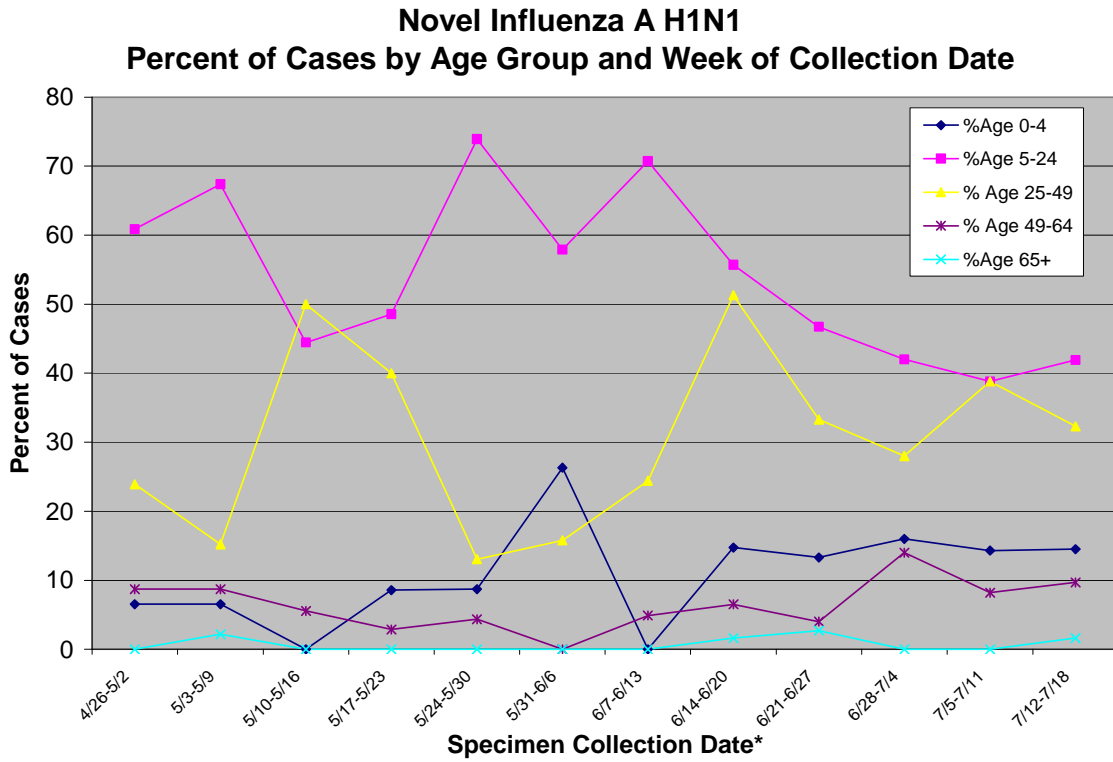
More Oregon influenza surveillance data is available at: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml>

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](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.



# FLU BITES

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

For week ending July 25th, 2009  
(calendar week 29)

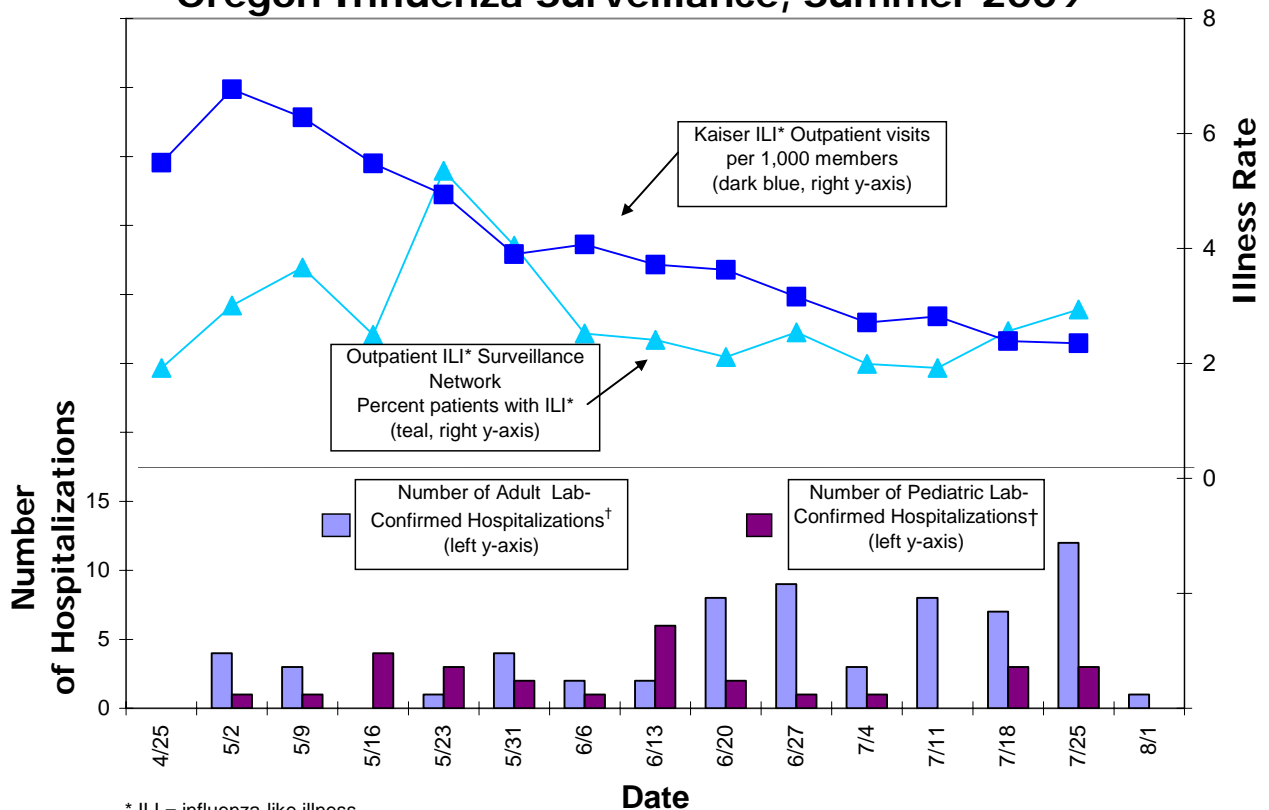


## Summary

We appreciate your patience over the next few weeks as FluBites gets a make-over. Oregon Public Health Division is moving away from pandemic H1N1 case-based reporting for outpatients since our recommendations do not include sending a specimen to the public health lab for these cases. We will continue to report on hospitalized cases and deaths as well as syndromic surveillance.

During the week of July 19<sup>th</sup>-25<sup>th</sup> three pediatric and twelve adult influenza-related hospitalizations were reported statewide. All but one have been confirmed H1N1. One H1N1-related death occurred during this week. This is the highest number of hospitalizations reported for a one week period since H1N1 was first identified in Oregon. There was also a reported outbreak of influenza at a camp that has since been confirmed as H1N1.

**Oregon Influenza Surveillance, Summer 2009**



\* ILI = influenza-like illness  
† Statewide

## **Pandemic Influenza A (H1N1):**

Oregon Public Health will no longer be reporting laboratory-confirmed case counts by county. Because only a small proportion of persons with respiratory illness are tested for H1N1, confirmed case counts underestimate the true number of H1N1 cases. We will continue to report on hospitalized cases and deaths.

### **Distribution of Hospitalized Cases, by County and Age**

County	Number	Age				
		0 to 4	5 to 24	25 to 49	50 to 64	65+
Benton	3	0	1	2	0	0
Clackamas	7	0	3	3	0	1
Deschutes	1	1	0	0	0	0
Jackson	2	0	0	1	1	0
Klamath	1	0	0	1	0	0
Lane	12	2	2	5	2	1
Linn	2	0	1	1	0	0
Marion	10	2	3	2	1	2
Multnomah	16	0	4	6	4	2
Polk	8	2	5	1	0	0
Washington	12	1	5	2	3	1
<b>TOTAL</b>	<b>74</b>	<b>8</b>	<b>24</b>	<b>24</b>	<b>11</b>	<b>7</b>

### **Characteristics of Hospitalized Cases of Pandemic Influenza A (H1N1) Oregon, N=74**

	N (%)
<b>Age</b>	
Median	26
Range	0-85
<b>Sex</b>	<b>N (%)</b>
Male	35 (47)
Female	39 (53)
<b>Severity</b>	
Admitted to ICU	8 (11)
Died	7 (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/>

## **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 2.35 per 1,000 Kaiser members during Week 36.

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 ending July 25 <sup>th</sup>	204	2.94	3
Week ending July 18 <sup>th</sup>	390	2.56	5
Week ending July 11 <sup>th</sup>	731	1.92	5

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

We are currently recruiting providers for the upcoming influenza season. If interested please email [Meredith.Vandermeer@state.or.us](mailto:Meredith.Vandermeer@state.or.us).

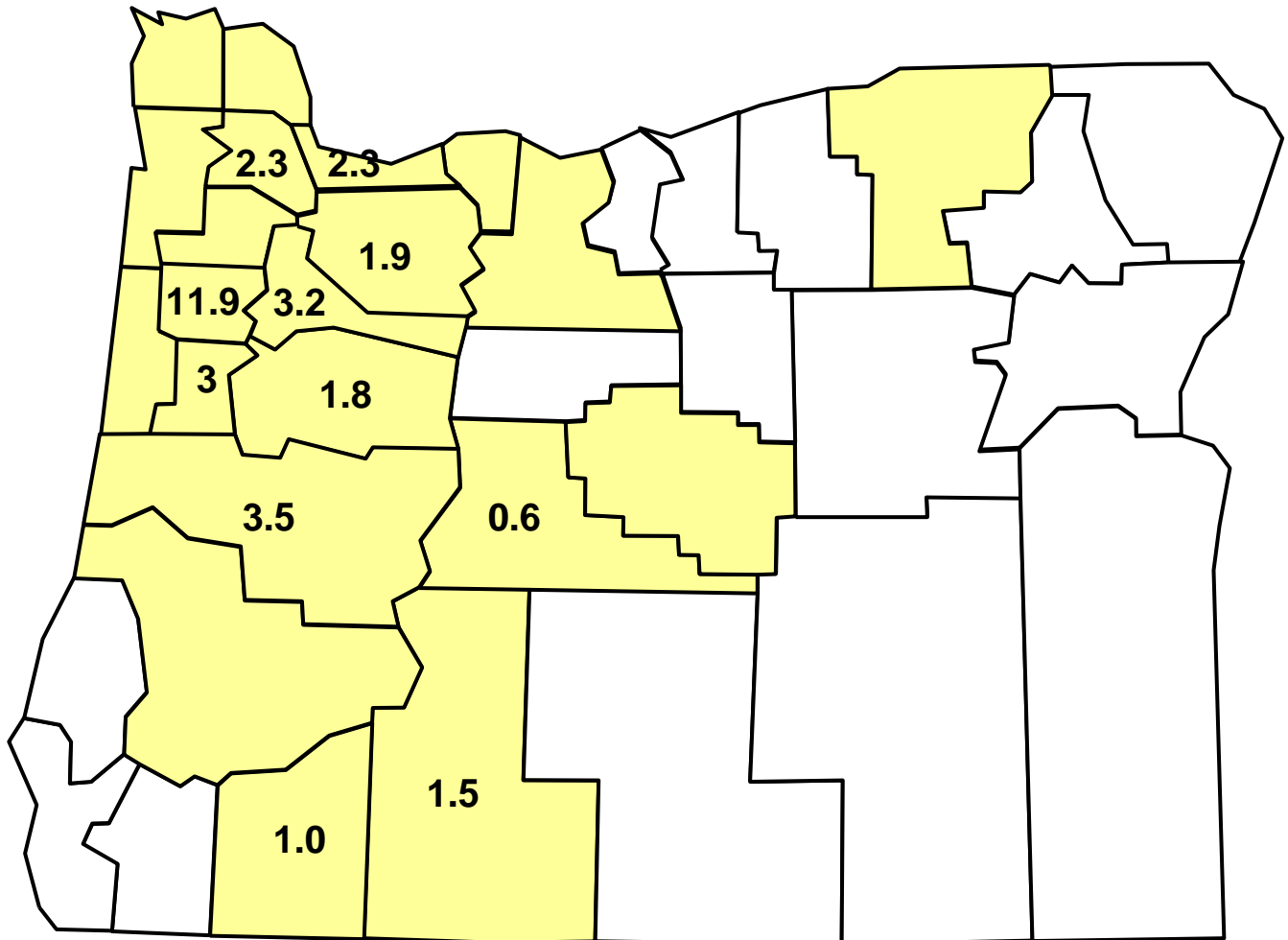
### **Additional resources:**

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/>

## Pandemic H1N1 Hospitalizations by County

The following map shows number of H1N1 hospitalizations per 100,000 residents by county. Counties with confirmed H1N1 cases are in yellow.



# FLU BITES

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

For week ending August 1st, 2009  
(calendar week 30)

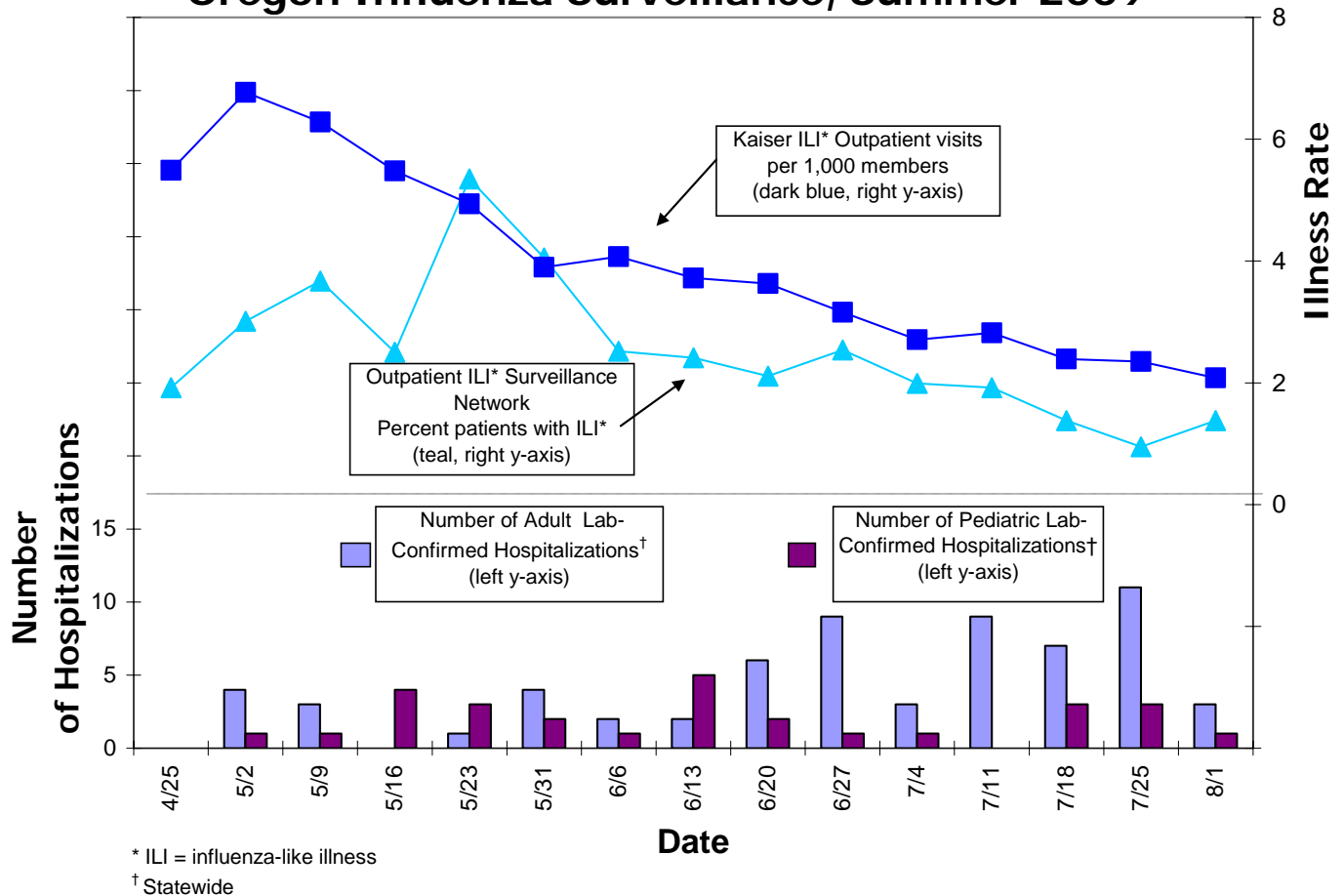


## Summary

We appreciate your patience over the next few weeks as FluBites gets a make-over. Oregon Public Health Division is moving away from pandemic H1N1 case-based reporting for outpatients since our recommendation does not include sending a specimen to the public health lab for these cases. We will continue to report on hospitalized cases and deaths as well as syndromic surveillance.

During the week of July 26<sup>th</sup>- August 1<sup>st</sup> three adult and one pediatric influenza-related hospitalizations were reported statewide. All have been confirmed H1N1. One H1N1-related death occurred during this week.

### Oregon Influenza Surveillance, Summer 2009



**Pandemic Influenza A (H1N1):**

Oregon Public Health will no longer be reporting laboratory-confirmed case counts by county. Because only a small proportion of persons with respiratory illness are tested for H1N1, confirmed case counts underestimate the true number of H1N1 cases. We will continue to report on hospitalized cases and deaths.

**Distribution of H1N1 Hospitalized Cases, by County and Age, Oregon**

County	Number	Age				
		0 to 4	5 to 24	25 to 49	50 to 64	65+
Benton	3	0	1	2	0	0
Clackamas	9	1	3	4	0	1
Deschutes	1	1	0	0	0	0
Jackson	2	0	0	1	1	0
Klamath	1	0	0	1	0	0
Lane	14	2	2	6	3	1
Linn	2	0	1	1	0	0
Marion	10	2	3	2	1	2
Multnomah	19	0	5	6	6	2
Polk	8	2	5	1	0	0
Washington	11	1	4	2	3	1
<b>TOTAL</b>	<b>80</b>	<b>9</b>	<b>24</b>	<b>26</b>	<b>14</b>	<b>7</b>

**Characteristics of H1N1 Hospitalized Cases, Oregon  
N=80**

	N (%)
<b>Age</b>	
Median	29
Range	0-85
<b>Sex</b>	<b>N (%)</b>
Male	40 (50)
Female	40 (50)
<b>Severity</b>	
Admitted to ICU	10 (13)
Died	8 (10)
Pregnant	3 (4)

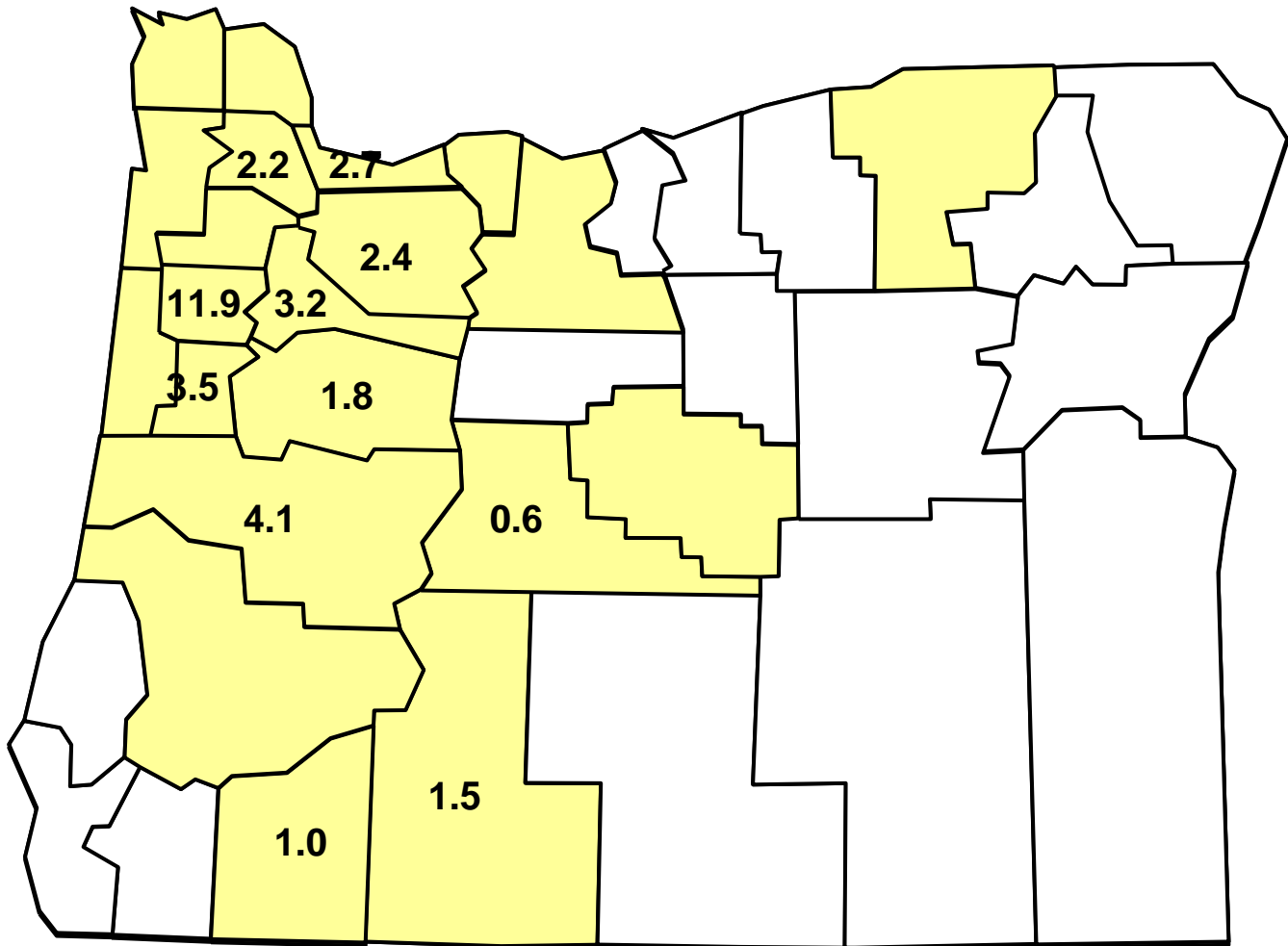
**Distribution of H1N1 Deaths, by County and Age, Oregon**

County	Number	Age				
		0 to 4	5 to 24	25 to 49	50 to 64	65+
Klamath	1	0	0	1	0	0
Lane	1	0	0	0	1	0
Marion	3	1	1	1	0	0
Multnomah	3	0	0	0	2	1
<b>TOTAL</b>	<b>8</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>3</b>	<b>1</b>



## H1N1 Hospitalization Rates by County

The following map shows number of H1N1 hospitalizations per 100,000 residents by county. Counties with confirmed H1N1 cases are in yellow.



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/>

### **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 2.08 per 1,000 Kaiser members during week 30.

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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 ending August 1 <sup>st</sup>	652	1.38	3
Week ending July 25 <sup>th</sup>	629	0.95	4
Week ending July 18 <sup>th</sup>	718	1.39	6

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

We are currently recruiting providers for the upcoming influenza season. If interested please email [Meredith.Vandermeer@state.or.us](mailto:Meredith.Vandermeer@state.or.us).

### **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/>

# FLU BITES

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

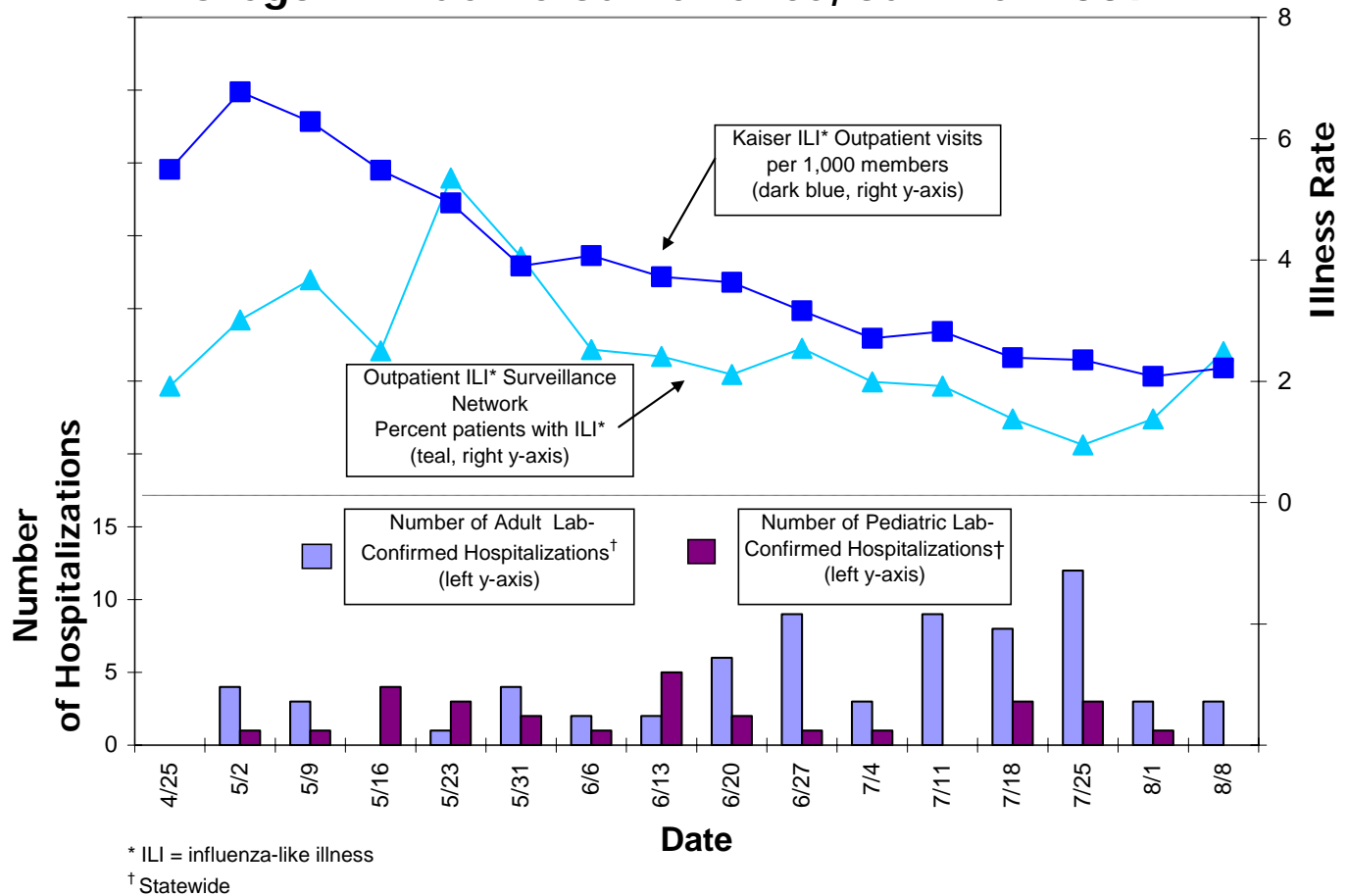
For week ending August 8th, 2009  
(calendar week 31)



## Summary

During the week of August 2<sup>nd</sup>- August 8<sup>th</sup> three adult influenza-related hospitalizations were reported statewide. All have been confirmed H1N1. Kaiser and Sentinel provider outpatient rates of influenza-like illness remained near baseline levels. As we continue to plan statewide surveillance of the pandemic and seasonal influenza, we are currently recruiting Sentinel providers for the upcoming season. If you are interested please email [Meredith.Vandermeer@state.or.us](mailto:Meredith.Vandermeer@state.or.us) or call 971-673-1111.

## Oregon Influenza Surveillance, Summer 2009



**Pandemic Influenza A (H1N1):**

Oregon Public Health will no longer be reporting laboratory-confirmed case counts by county. Because only a small proportion of persons with respiratory illness are tested for H1N1, confirmed case counts underestimate the true number of H1N1 cases. We will continue to report on hospitalized cases and deaths.

**Distribution of H1N1 Hospitalized Cases, by County of Residence and Age, Oregon**

County	Number	Age				
		0 to 4	5 to 24	25 to 49	50 to 64	65+
Benton	4	0	1	3	0	0
Clackamas	8	1	3	3	0	1
Deschutes	1	1	0	0	0	0
Jackson	2	0	0	1	1	0
Klamath	1	0	0	1	0	0
Lane	14	2	2	6	3	1
Linn	2	0	1	1	0	0
Marion	10	2	3	2	1	2
Multnomah	22	0	5	8	6	3
Polk	8	2	5	1	0	0
Washington	13	2	4	2	4	1
<b>TOTAL</b>	<b>85</b>	<b>10</b>	<b>24</b>	<b>28</b>	<b>15</b>	<b>8</b>

**Characteristics of H1N1 Hospitalized Cases, Oregon  
N=85**

<b>Age</b>	
Median	29
Range	0-85
<b>Sex</b>	<b>N (%)</b>
Male	43 (51)
Female	42 (49)
<b>Severity</b>	
Admitted to ICU	12 (14)
Died	8 (9)
<b>Pregnant</b>	3 (4)

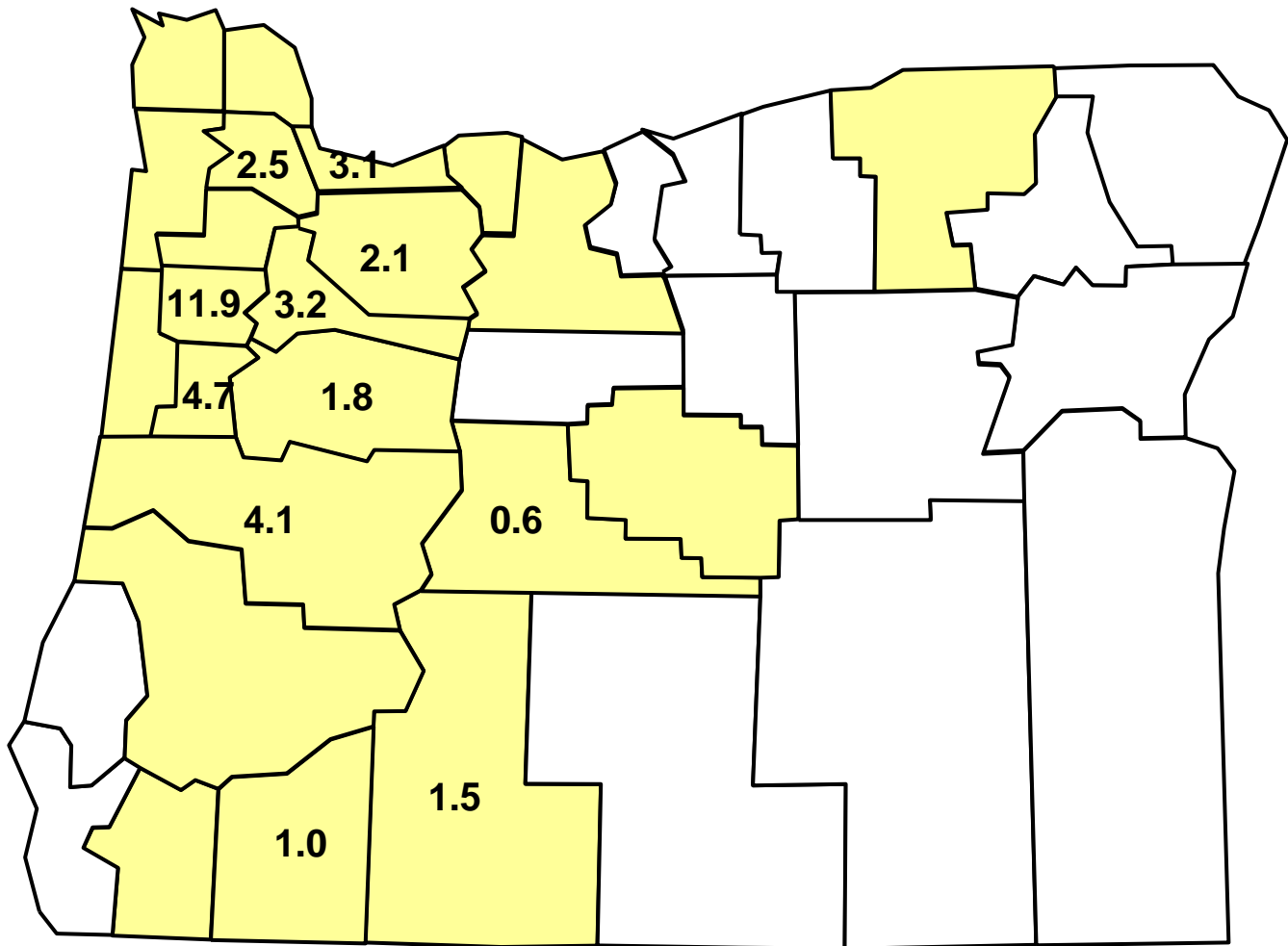
\* One H1N1 death was not hospitalized.

**Distribution of H1N1 Deaths, by County of Residence and Age, Oregon**

County	Number	Age				
		0 to 4	5 to 24	25 to 49	50 to 64	65+
Klamath	1	0	0	1	0	0
Lane	1	0	0	0	1	0
Marion	3	1	1	1	0	0
Multnomah	3	0	0	0	2	1
Washington	1	0	0	0	1	0
<b>TOTAL</b>	<b>9</b>	<b>1</b>	<b>1</b>	<b>2</b>	<b>4</b>	<b>1</b>

## H1N1 Hospitalization Rates by County

The following map shows number of H1N1 hospitalizations per 100,000 residents by county. Counties with confirmed H1N1 cases are in yellow.



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/>

### **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 increased slightly to 2.22 per 1,000 Kaiser members during week 31.

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

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## **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 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 August 8 <sup>th</sup>	281	2.49	3
Week ending August 1 <sup>st</sup>	942	1.17	4
Week ending July 25 <sup>th</sup>	774	1.55	5

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

### **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/>

# FLU BITES

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

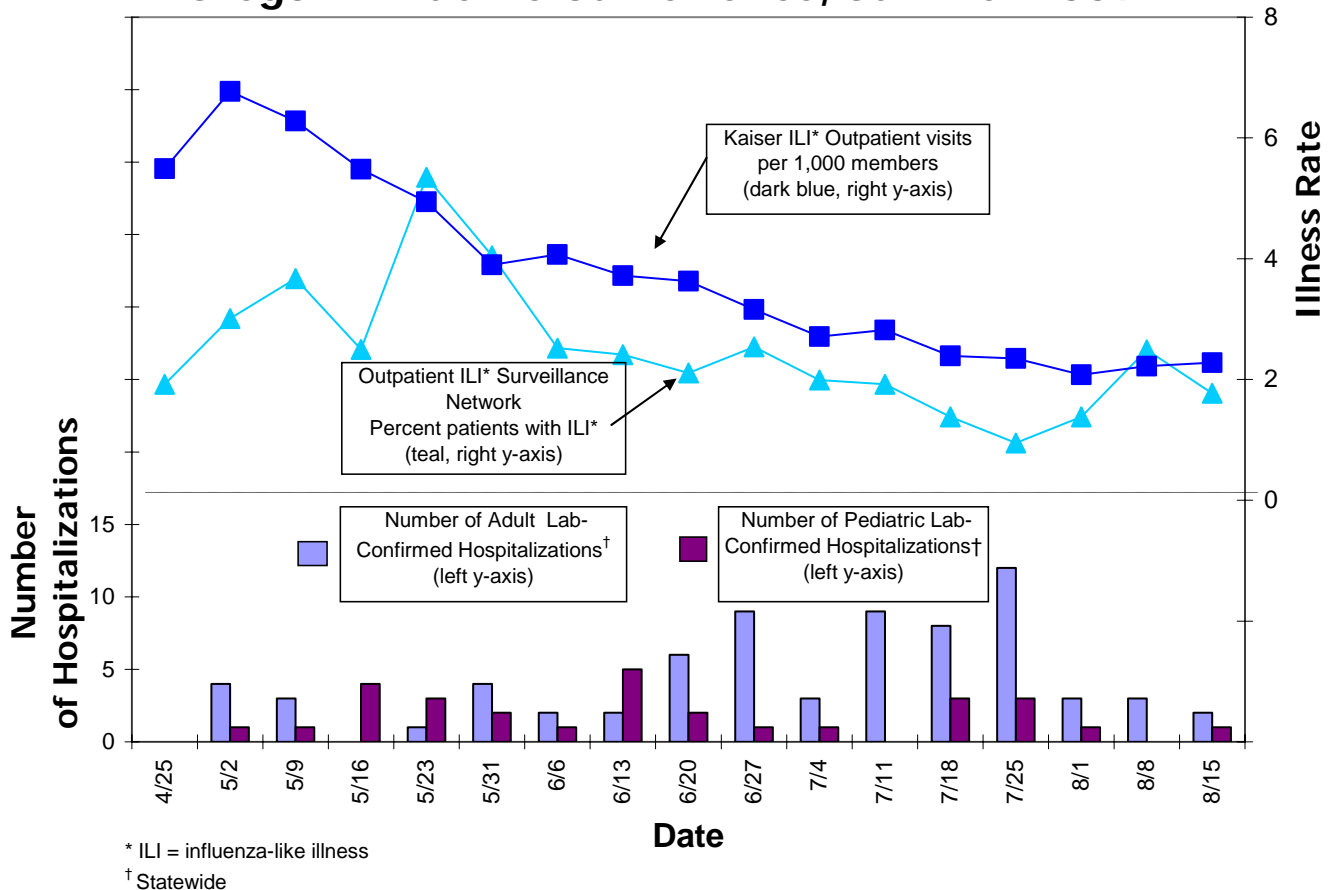
For week ending August 15th, 2009  
(calendar week 32)



## Summary

During the week of August 9<sup>th</sup>- August 15<sup>th</sup> two adult and one pediatric influenza-related hospitalizations were reported statewide. All three have been confirmed H1N1. Two new H1N1-related deaths were reported; both occurred during week 31. Kaiser and Sentinel provider outpatient rates of influenza-like illness remained near baseline levels. As we continue to plan statewide surveillance for pandemic and seasonal influenza, we are currently recruiting sentinel providers for the upcoming season. If you are interested please email [Meredith.Vandermeer@state.or.us](mailto:Meredith.Vandermeer@state.or.us).

**Oregon Influenza Surveillance, Summer 2009**



## **Pandemic Influenza A (H1N1):**

There have been 92 reported H1N1 hospitalizations and 11 deaths among Oregon residents. The median age of hospitalized cases is 30 and the ages range from one month to 85 years. Five pregnant women have been hospitalized.

### **Distribution of H1N1 Hospitalized Cases, by County of Residence and Age, Oregon**

County	Number	Age				
		0 to 4	5 to 24	25 to 49	50 to 64	65+
Benton	4	0	1	3	0	0
Clackamas	10	1	4	4	0	1
Deschutes	2	1	0	1	0	0
Jackson	4	0	0	3	1	0
Klamath	2	0	1	1	0	0
Lane	14	2	2	6	3	1
Linn	2	0	1	1	0	0
Marion	10	2	3	2	1	2
Multnomah	23	0	5	8	7	3
Polk	8	2	5	1	0	0
Washington	13	2	4	2	4	1
<b>TOTAL</b>	<b>92</b>	<b>10</b>	<b>26</b>	<b>32</b>	<b>16</b>	<b>8</b>

### **Characteristics of H1N1 Hospitalized Cases, Oregon N=92**

<b>Age</b>	
Median	30
Range	0-85
<b>Sex</b>	<b>N (%)</b>
Male	44 (48)
Female	48 (52)
<b>Severity</b>	
Admitted to ICU	14 (15)
Died*	10 (11)
<b>Pregnant</b>	5 (5)

\*One death was reported in a non-hospitalized case

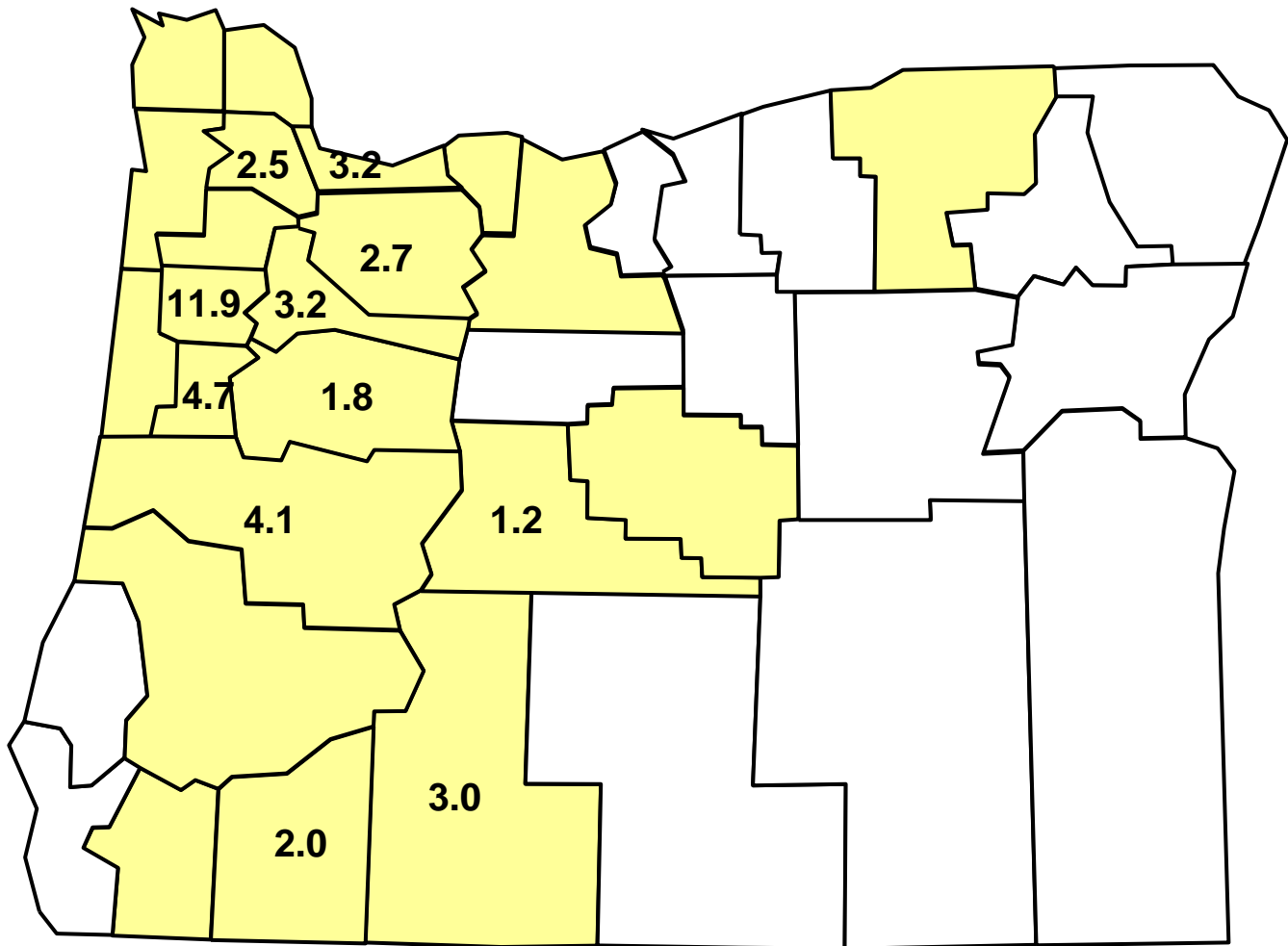
### **Distribution of H1N1 Deaths, by County of Residence and Age, Oregon**

County	Number	Age				
		0 to 4	5 to 24	25 to 49	50 to 64	65+
Deschutes	1	0	0	1	0	0
Jackson	1	0	0	1	0	0
Klamath	1	0	0	1	0	0
Lane	1	0	0	0	1	0
Marion	3	1	1	1	0	0
Multnomah	3	0	0	0	2	1
Washington	1	0	0	0	1	0
<b>TOTAL</b>	<b>11</b>	<b>1</b>	<b>1</b>	<b>4</b>	<b>4</b>	<b>1</b>



## H1N1 Hospitalization Rates by County

The following map shows total number of H1N1 hospitalizations per 100,000 residents by county. Counties with confirmed H1N1 cases are in yellow.



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/>

### **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 increased slightly to 2.28 per 1,000 Kaiser members during week 32.

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

Oregon Public Health Division, Acute & Communicable Disease Prevention Program 8/21/2009 12:57:03 PM

## **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 August 15 <sup>th</sup>	339	1.77	3
Week ending August 8 <sup>th</sup>	281	2.49	3
Week ending August 1 <sup>st</sup>	942	1.17	4

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

### **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/>

# FLU BITES

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

For week ending August 22nd, 2009  
(calendar week 33)

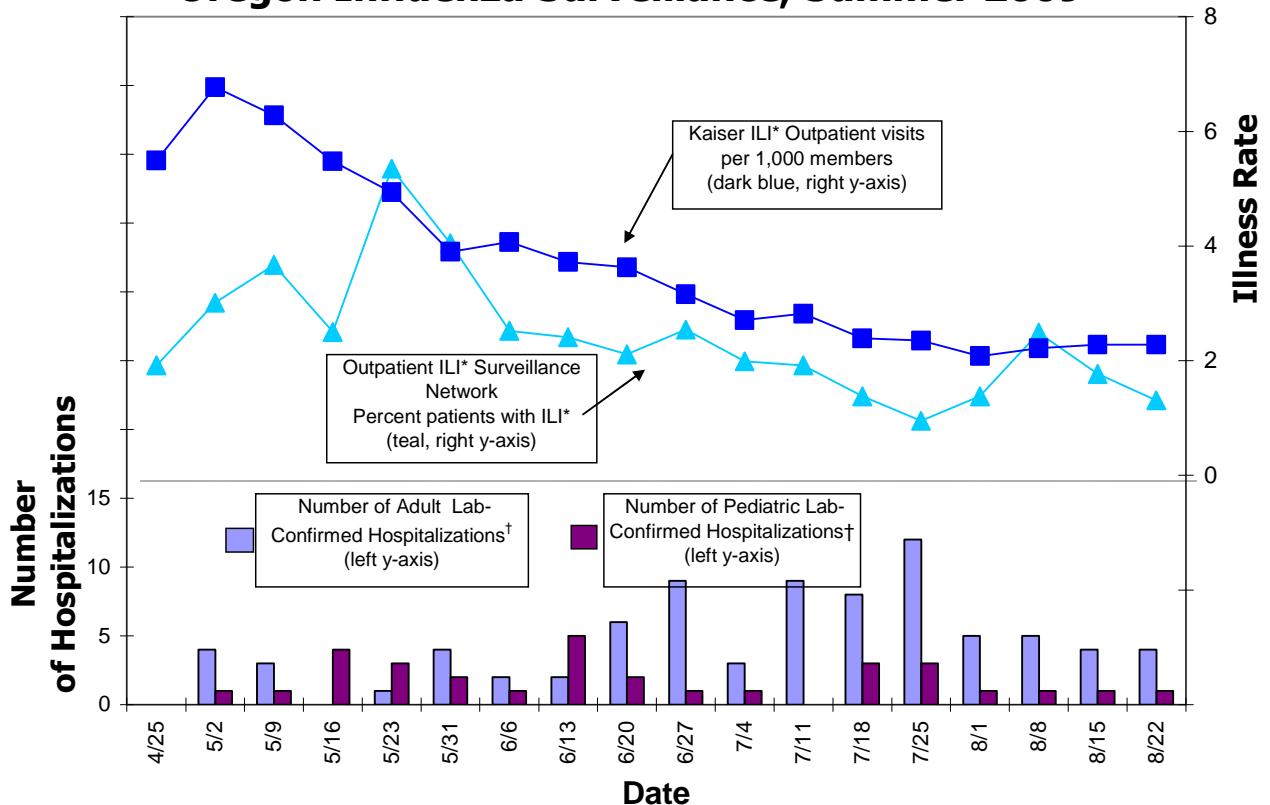


## Summary

During the week of August 16<sup>th</sup> - August 22<sup>nd</sup> four adult and one pediatric H1N1 hospitalizations were reported statewide. One H1N1-related death was reported in an Oregon resident who was in Illinois for work. Three adult hospitalizations have been reported for week 34: one is confirmed H1N1 and the others are pending subtyping. Kaiser and Sentinel provider outpatient rates of influenza-like illness continue near baseline levels.

In other surveillance news, an emergency rule will take effect September 1, 2009. Laboratory-confirmed influenza resulting in or associated with influenza hospitalization or death is reportable to the local public health authority within one local public health authority working day. This applies to all laboratory-confirmed (including rapid test) influenza, both seasonal and pandemic. This rule will remain in effect for 180 days, at which time a permanent rule may be filed.

## Oregon Influenza Surveillance, Summer 2009



\* ILI = influenza-like illness

† Statewide

## **Pandemic Influenza A (H1N1):**

There have been 105 reported H1N1 hospitalizations and 12 deaths among Oregon residents. The median age of hospitalized cases is 30 and the ages range from one month to 85 years. Six pregnant women have been hospitalized.

### **Distribution of H1N1 Hospitalized Cases, by County of Residence and Age, Oregon**

County	Number	Age					
		0 to 4	5 to 24	25 to 49	50 to 64	65+	Unknown
Benton	4	0	1	3	0	0	0
Clackamas	10	1	4	4	0	1	0
Deschutes	2	1	0	1	0	0	0
Jackson	4	0	0	3	1	0	0
Klamath	2	0	1	1	0	0	0
Lane	16	2	3	6	4	1	0
Linn	2	0	1	1	0	0	0
Marion	11	2	3	3	1	2	0
Multnomah	27	0	5	10	8	4	0
Polk	8	2	5	1	0	0	0
Washington	16	2	4	4	5	1	0
Unknown	3	0	0	0	0	0	3
<b>TOTAL</b>	<b>105</b>	<b>10</b>	<b>27</b>	<b>37</b>	<b>19</b>	<b>9</b>	<b>3</b>

### **Characteristics of H1N1 Hospitalized Cases, Oregon N=105**

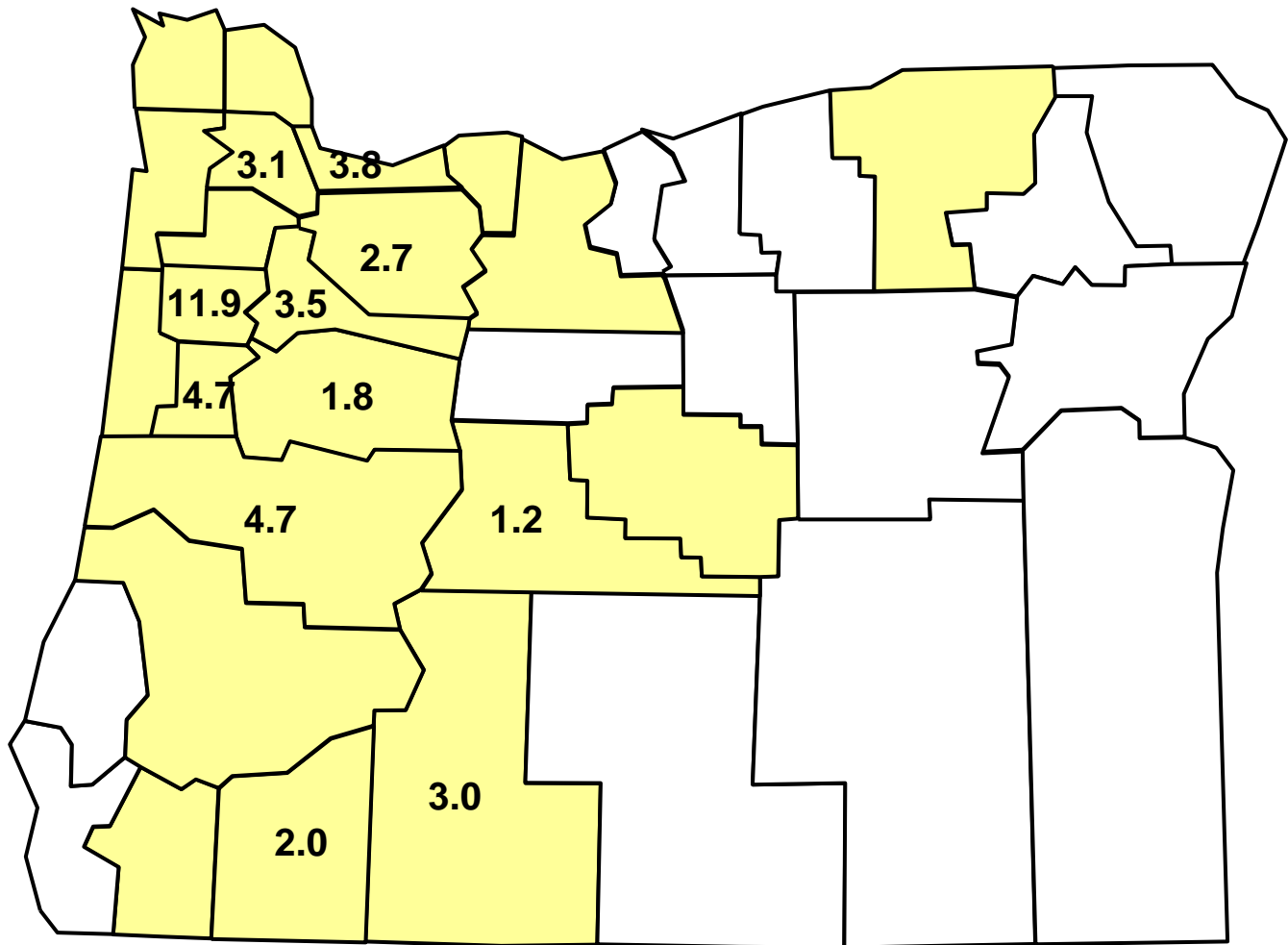
<b>Age</b>	
Median	30
Range	0-85
<b>Sex</b>	<b>N (%)</b>
Male	50 (48)
Female	55 (52)
<b>Severity</b>	
Admitted to ICU	16 (15)
Died	12 (11)
<b>Pregnant</b>	6 (6)

### **Distribution of H1N1 Deaths, by County of Residence and Age, Oregon**

County	Number	Age				
		0 to 4	5 to 24	25 to 49	50 to 64	65+
Deschutes	1	0	0	1	0	0
Jackson	1	0	0	1	0	0
Klamath	1	0	0	1	0	0
Lane	1	0	0	0	1	0
Marion	3	1	1	1	0	0
Multnomah	3	0	0	0	2	1
Washington	2	0	0	1	1	0
<b>TOTAL</b>	<b>12</b>	<b>1</b>	<b>1</b>	<b>5</b>	<b>4</b>	<b>1</b>

## H1N1 Hospitalization Rates by County

The following map shows total number of H1N1 hospitalizations per 100,000 residents by county. Counties with confirmed H1N1 cases are in yellow.



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/>

## 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 remained at 2.28 per 1,000 Kaiser members during week 33.

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

Oregon Public Health Division, Acute & Communicable Disease Prevention Program 8/28/2009 3:54:54 PM

## **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.

	<b>Number of Patients Visits</b>	<b>Percent Patients with ILI</b>	<b>No. of Provider Reports</b>
<b>Week ending August 22<sup>nd</sup></b>	304	1.32	2
<b>Week ending August 15<sup>th</sup></b>	339	1.77	3
<b>Week ending August 8<sup>th</sup></b>	281	2.49	3

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

### **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/>

# FLU BITES

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

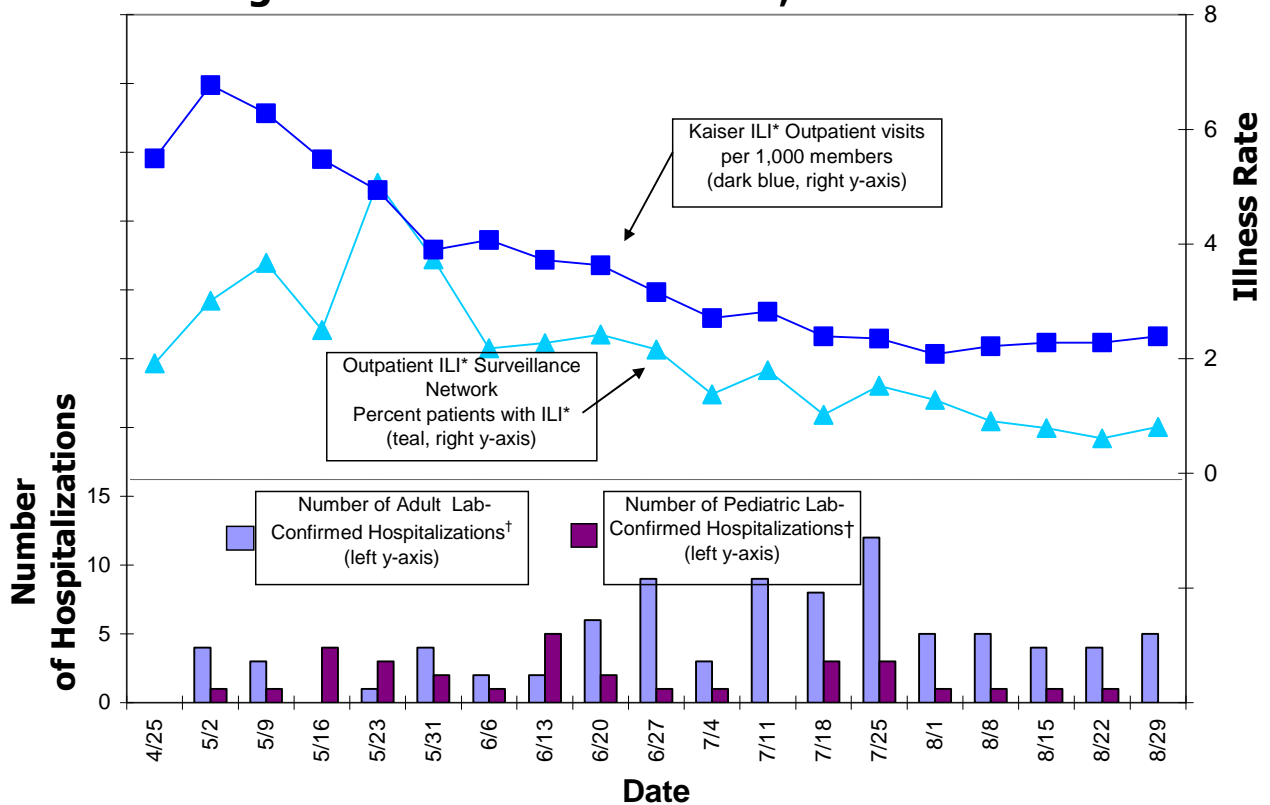
For week ending August 29th, 2009  
(calendar week 34)



## Summary

During the week of August 23<sup>rd</sup> - August 29<sup>th</sup> five adult H1N1 hospitalizations were reported statewide. One additional adult H1N1 hospitalization has been reported for week 35. Kaiser and Sentinel provider outpatient rates of influenza-like illness continue near baseline levels.

### Oregon Influenza Surveillance, Summer 2009



\* ILI = influenza-like illness

† Statewide

## **Pandemic Influenza A (H1N1):**

There have been 113 reported H1N1 hospitalizations and 12 deaths among Oregon residents. The median age of hospitalized cases is 33 and the ages range from one month to 85 years. Six pregnant women have been hospitalized.

### **Distribution of H1N1 Hospitalized Cases, by County of Residence and Age, Oregon**

County	Number	Age						
		0 to 4	5 to 18	19 to 24	25 to 49	50 to 64	65+	Unknown
Benton	4	0	0	1	3	0	0	0
Clackamas	10	1	3	1	4	0	1	0
Deschutes	2	1	0	0	1	0	0	0
Jackson	5	0	0	0	4	1	0	0
Klamath	2	0	0	1	1	0	0	0
Lane	18	2	2	2	6	5	1	0
Linn	2	0	1	0	1	0	0	0
Marion	11	2	2	1	3	1	2	0
Multnomah	28	0	4	1	10	9	4	0
Polk	9	2	5	0	1	1	0	0
Washington	19	2	2	2	4	8	1	0
Unknown	3	0	0	0	0	0	0	3
<b>TOTAL</b>	<b>113</b>	<b>10</b>	<b>19</b>	<b>9</b>	<b>38</b>	<b>25</b>	<b>9</b>	<b>3</b>

### **Characteristics of H1N1 Hospitalized Cases, Oregon N=113**

<b>Age</b>	
Median	33
Range	0-85
<b>Sex</b>	<b>N (%)</b>
Male	56 (50)
Female	57 (50)
<b>Severity</b>	
Admitted to ICU	17 (15)
Died	12 (11)
<b>Pregnant</b>	6 (5)

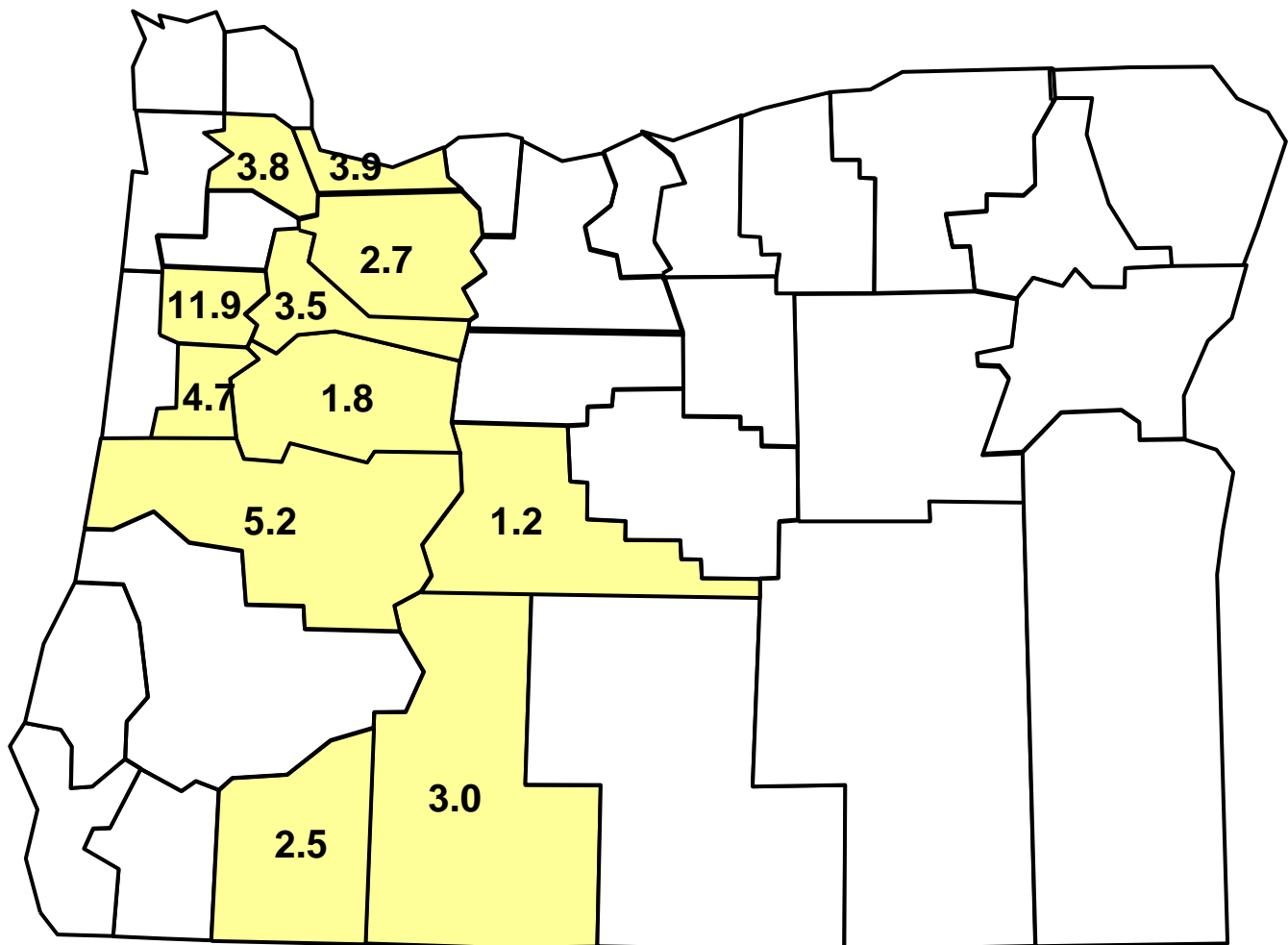
### **Distribution of H1N1 Deaths, by County of Residence and Age, Oregon**

County	Number	Age						
		0 to 4	5 to 18	19 to 24	25 to 49	50 to 64	65+	Unknown
Deschutes	1	0	0	0	1	0	0	0
Jackson	1	0	0	0	1	0	0	0
Klamath	1	0	0	0	1	0	0	0
Lane	1	0	0	0	0	1	0	0
Marion	3	1	0	1	1	0	0	0
Multnomah	3	0	0	0	0	2	1	0
Washington	2	0	0	0	1	1	0	0
<b>TOTAL</b>	<b>12</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>5</b>	<b>4</b>	<b>1</b>	<b>0</b>



## H1N1 Hospitalization Rates by County

The following map shows total number of H1N1 hospitalizations per 100,000 residents by county.



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/>

### **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 increased very slightly to 2.39 per 1,000 Kaiser members during week 34.

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.

	<b>Number of Patients Visits</b>	<b>Percent Patients with ILI</b>	<b>No. of Provider Reports</b>
<b>Week ending August 29<sup>th</sup></b>	491	0.81	4
<b>Week ending August 22<sup>nd</sup></b>	821	0.61	5
<b>Week ending August 15<sup>th</sup></b>	882	0.79	5

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

### **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/>

# FLU BITES

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

For week ending September 5th, 2009  
(calendar week 35)

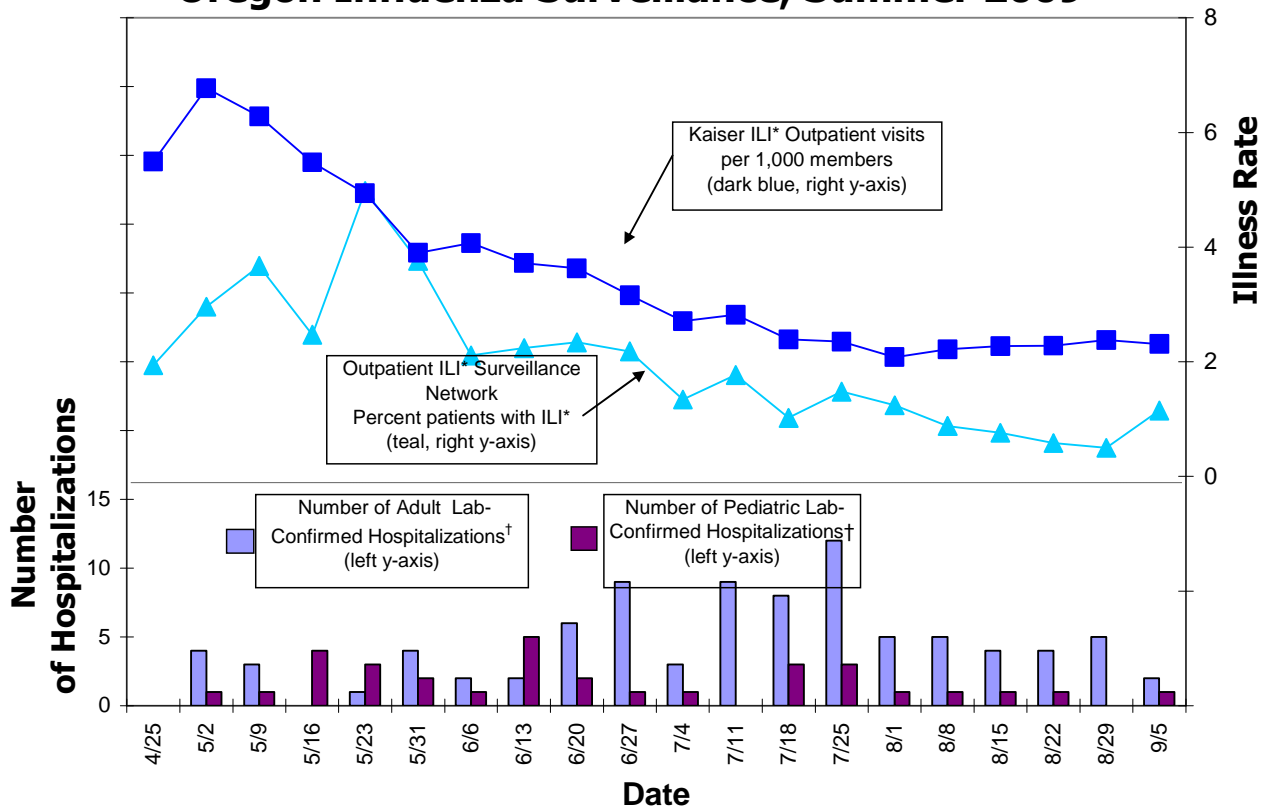


## Summary

During the week of August 30<sup>th</sup> - September 5<sup>th</sup> two adult and one pediatric influenza hospitalizations were reported statewide. One additional adult hospitalization has been reported for week 36. Of the four new hospitalizations, two have been confirmed pandemic H1N1 and the other two are pending. Kaiser and Sentinel provider outpatient rates of influenza-like illness continue near baseline levels, though Sentinel provider rates increased slightly this week.

Some changes have occurred at the CDC regarding influenza surveillance as we approach the regular influenza season. CDC re-zeroed its aggregate reports of hospitalizations and deaths on September 1, 2009, which is a month earlier than the start of the typical flu season. We will follow suit and report new hospitalizations and deaths since September 1. The remainder of our ongoing influenza surveillance will continue as planned and mirror that of prior years, starting fresh for the new season in October.

## Oregon Influenza Surveillance, Summer 2009



\* ILI = influenza-like illness

† Statewide

## **Influenza Hospitalizations and Deaths:**

Between the start of the H1N1 pandemic in late April and August 31, 2009, there were 116 hospitalizations among residents of 11 Oregon counties with confirmed or probable H1N1. There were 12 deaths among residents of seven counties with confirmed or probable H1N1.

Since September 1, 2009 there have been four influenza hospitalizations among residents of three counties. So far, two of these have been confirmed H1N1. No influenza-related deaths have been reported since September 1, 2009.

Please take note of the adjustment to the following tables. This week's tables include hospitalizations from all types of influenza, since two specimens are still pending subtyping. We will continue to report influenza type and subtype whenever they are known.

### **Distribution of Hospitalized Influenza Cases, by County of Residence and Age, Oregon**

County	Number	Age					
		0 to 4	5 to 18	19 to 24	25 to 49	50 to 64	65+
Douglas	1	0	0	0	0	0	1
Umatilla	1	0	1	0	0	0	0
Washington	2	0	0	0	1	1	0
<b>TOTAL</b>	<b>4</b>	<b>0</b>	<b>1</b>	<b>0</b>	<b>1</b>	<b>1</b>	<b>1</b>

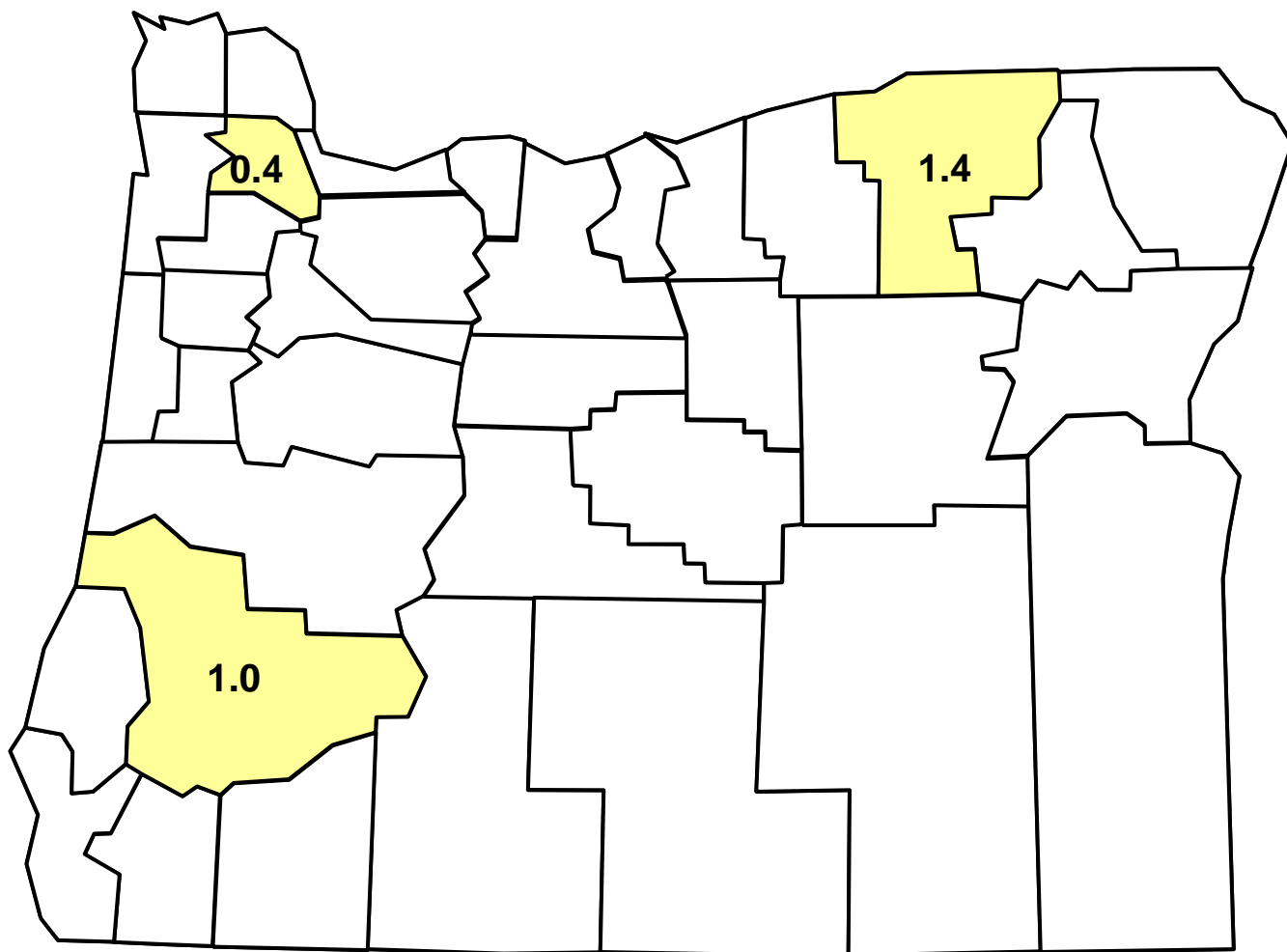
### **Characteristics of Hospitalized Cases**

<b>Age</b>	
Median	39
Range	15-83
<b>Sex</b>	<b>N (%)</b>
Male	1 (25)
Female	3 (75)
<b>Severity</b>	
Admitted to ICU	1 (25)
Died	0 (0)
<b>Pregnant</b>	0 (0)

The pandemic influenza A (H1N1) situation in Oregon continues to evolve 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) and seasonal influenza in Oregon please see: <http://www.flu.oregon.gov/>

## Influenza Hospitalization Rates by County since September 1, 2009

The following map shows total number of influenza hospitalizations per 100,000 residents by county since September 1, 2009. All types of influenza are included.



### **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 very slightly to 2.31 per 1,000 Kaiser members during week 35.

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 ending September 5 <sup>th</sup>	780	1.15	4
Week ending August 29 <sup>th</sup>	1009	0.50	8
Week ending August 22 <sup>nd</sup>	862	0.58	6

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

**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/>