

## Current Week's Data at a Glance: September 30 to October 06, 2012 (Week 40)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Minimal</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>No Activity</b>
<b>Percent of outpatient visits for ILI</b>	<b>0.47%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>0</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>0</b>
<b>Reported ILI outbreaks</b>	<b>0</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>1%</b>

<sup>1</sup>Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

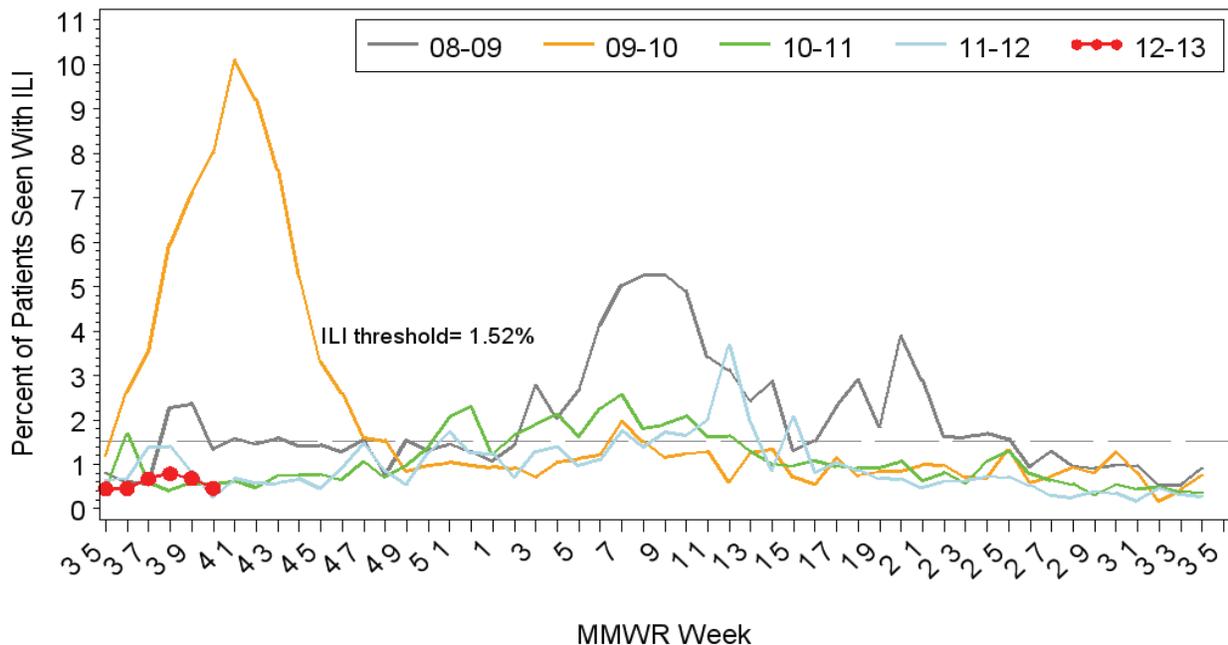
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 10OCT12  
**Percent of Outpatients with Influenza-like Illness (ILI)**  
 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday

Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 23 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for Week 40 of 2012 was 0.47%, below Oregon's seasonal threshold of 1.52%.**

**Note:** ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

## Current Week's Data at a Glance: Mar 17-23, 2013 (Week 12)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Minimal</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Regional</b>
<b>Percent of outpatient visits for ILI</b>	<b>0.6%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>5</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>1</b>
<b>Reported ILI outbreaks</b>	<b>0</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>25%</b>

<sup>1</sup>Levels are determined by CDC. Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

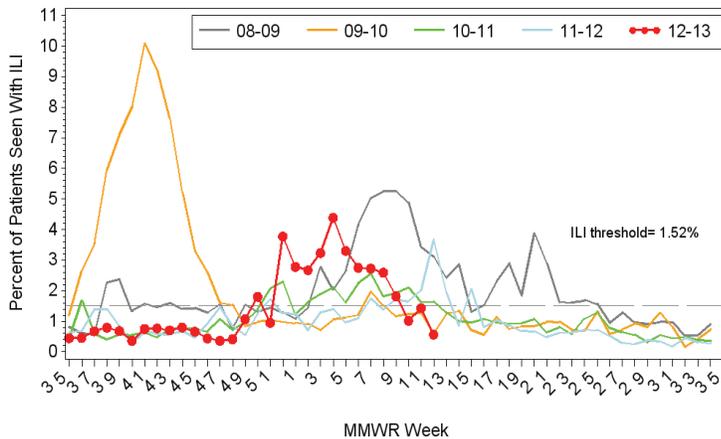
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

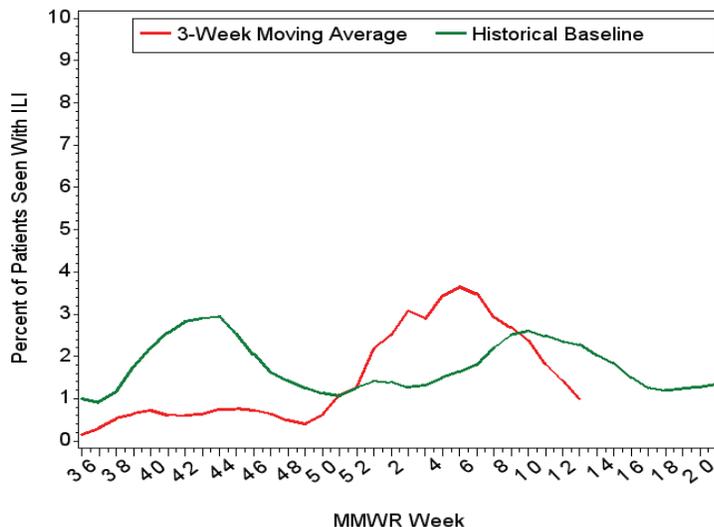
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 29MAR13  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 29MAR13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for week 12 of 2013 was 0.6% which is below Oregon's seasonal threshold of 1.52%.\***

*Note:* ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. \*The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for percent of outpatients seen with ILI in week 12 was 1.0%, which is below the historical baseline for this week.**

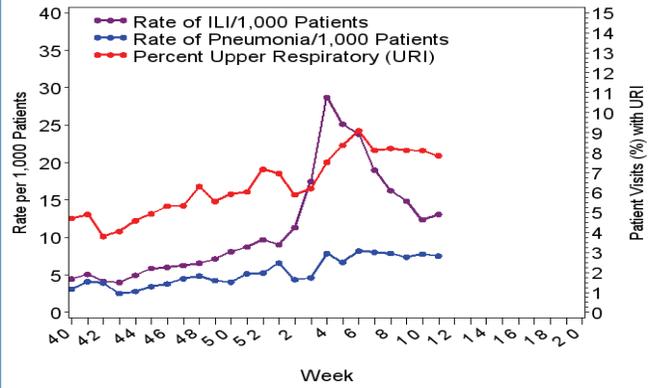
The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

All FluBites data provided are preliminary, and may change as additional reports are received.

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. **The rate of ILI per 1,000 OCHIN patients was 13 during week 11.**

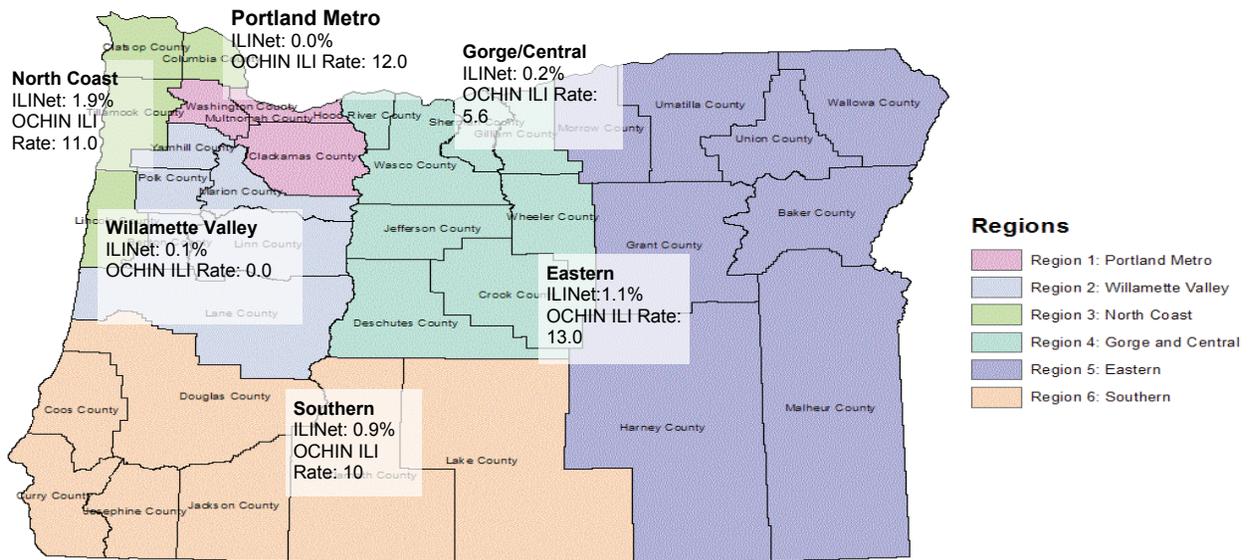
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes and reason for visit.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013

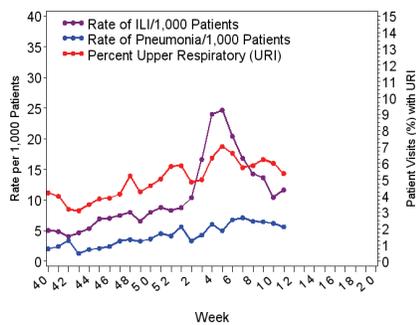


Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

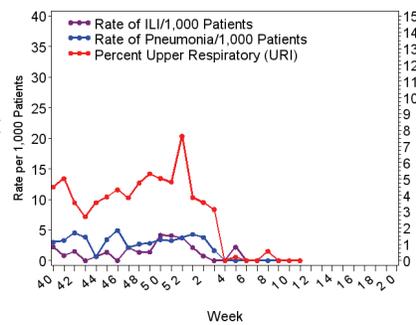
**ILI Activity by Region: ILINet (% ILI) and OCHIN ILI Rate**



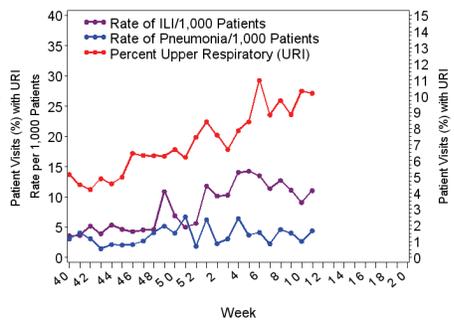
Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



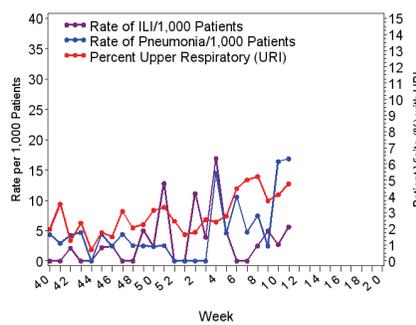
Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



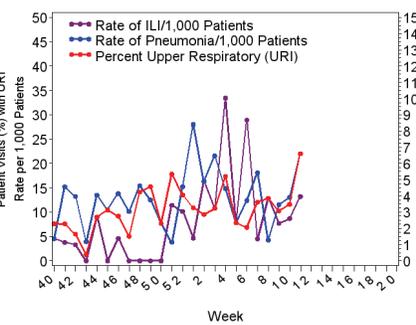
Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



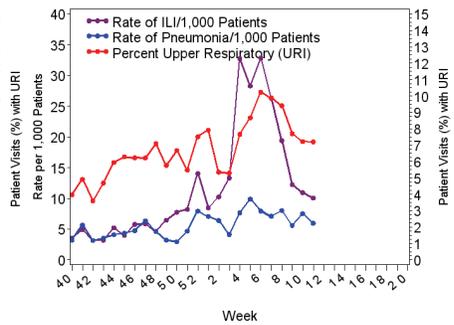
Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



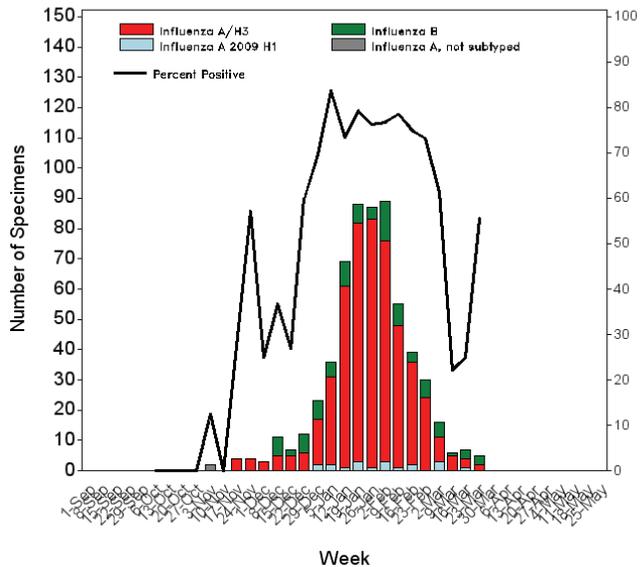
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

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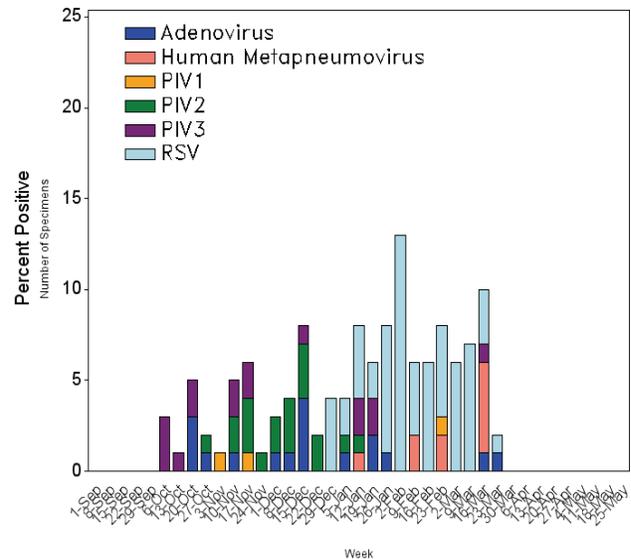
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

## Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

**Tables 1 and 2** show the current week and cumulative totals (since **Oct. 1, 2012**) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

	Current Week	Cumulative
<b>Influenza A</b>	2 (22%)	509(53%)
2009 pH1N1	0	19 (2%)
Seasonal A H3	2 (22%)	488 (51%)
Not subtyped	0	2 (<1%)
<b>Influenza B</b>	3 (33%)	84(9%)
Undetected	4 (44%)	362 (38%)
<b>Total Tested</b>	<b>9</b>	<b>955</b>

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

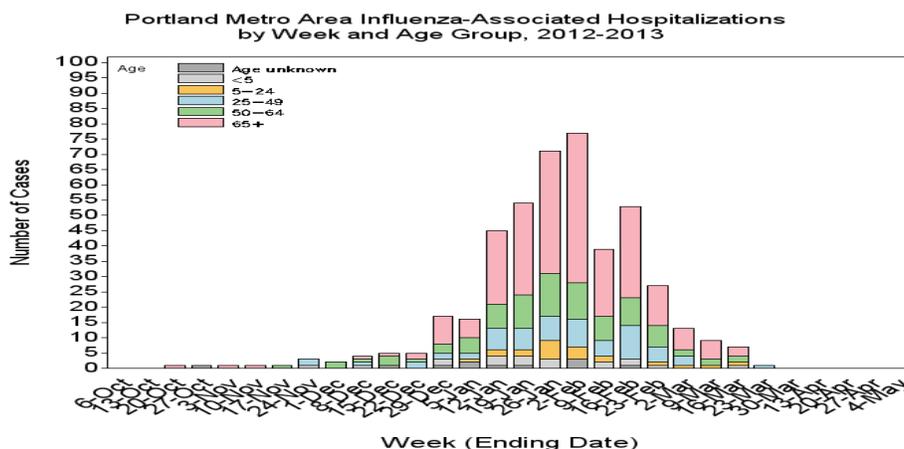
	Current Week	Cumulative
<b>Adenovirus</b>	1 (25%)	17 (5%)
<b>Parainfluenza type 1</b>	0	3 (1%)
<b>Parainfluenza type 2</b>	0	19 (6%)
<b>Parainfluenza type 3</b>	0	16 (5%)
<b>Human Metapneumovirus</b>	0	10 (3%)
<b>RSV</b>	1 (25%)	64 (18%)
<b>Total Tested</b>	<b>4</b>	<b>362</b>

\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project

### Tri-County Influenza Hospitalizations:

One hospitalization was reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 12.

A cumulative total of 453 hospitalizations have been reported since October 1, 2012.

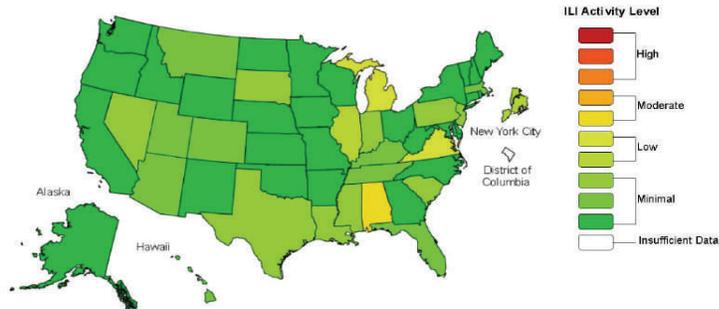


**Outbreaks:** No ILI outbreaks were reported for week 12. Between October 1, 2012, and March 23, 2013, 52 outbreaks involving ILI have been reported (including outbreaks of mixed etiology, like RSV and influenza); 37 so far have been laboratory confirmed as influenza virus.

**National Data:** During week 12 (March 17 – 23, 2013), influenza activity decreased in the United States.

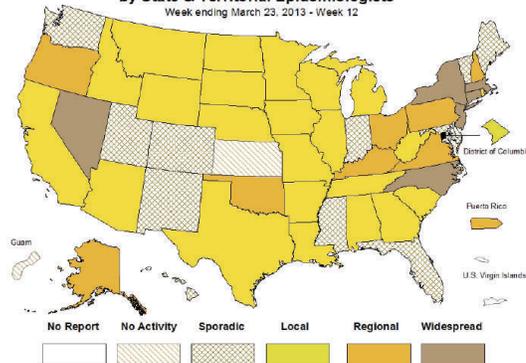
- o **Viral Surveillance:** Of 5,332 specimens tested and reported by collaborating laboratories, 702 (13.2%) were positive for influenza.
- o **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was at the epidemic threshold.
- o **Influenza-Associated Pediatric Deaths:** Five pediatric deaths were reported.
- o **Influenza-Associated Hospitalizations:** A cumulative rate for the season of 41.8 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported. Of reported hospitalizations, 50% were among adults 65 years and older.
- o **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.8%. This is below the national baseline of 2.2%. Three of 10 regions reported ILI at or above region specific baseline levels. One state experienced moderate activity; 3 states and New York City experienced low activity; 46 states experienced minimal activity, and the District of Columbia had insufficient data.
- o **Geographic Spread of Influenza:** Six states reported widespread influenza activity; Puerto Rico and 8 states reported regional influenza activity; the District of Columbia and 23 states reported local influenza activity; 11 states reported sporadic influenza activity.

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet**  
2012-13 Influenza Season Week 12 ending Mar 23, 2013



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

**Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\***  
Week ending March 23, 2013 - Week 12



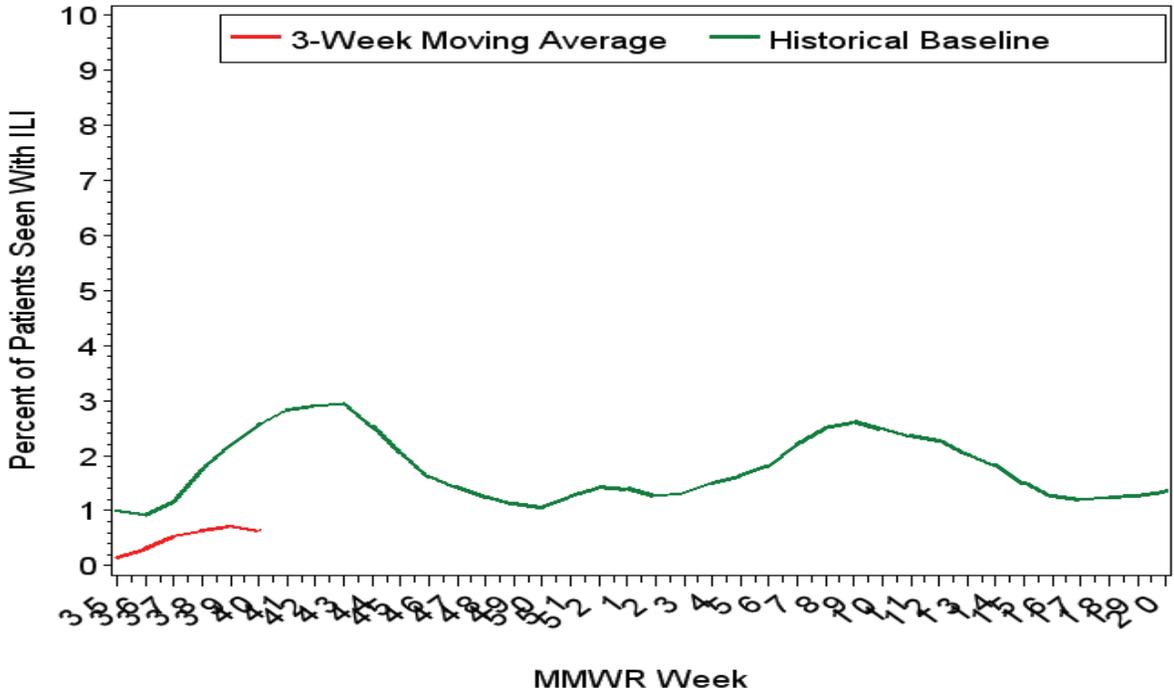
**Map above Right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

### Additional resources:

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

**2013-2014 Influenza Vaccine Composition:** Both the World Health Organization and Food and Drug Administration's Vaccines and Related Biological Products Advisory Committee recommend that 2013-14 trivalent vaccines contain an A/California/7/2009-like (2009 H1N1) virus, an A(H3N2) virus antigenically like the cell-propagated, or cell-grown, virus A/Victoria/361/2011 (A/Texas/50/2012), and a B/Massachusetts/2/2012-like (B/Yamagata lineage) virus. Quadrivalent vaccines are recommended to contain a B/Brisbane/60/2008-like (B/Victoria lineage) virus in addition to the viruses recommended for the trivalent vaccines.

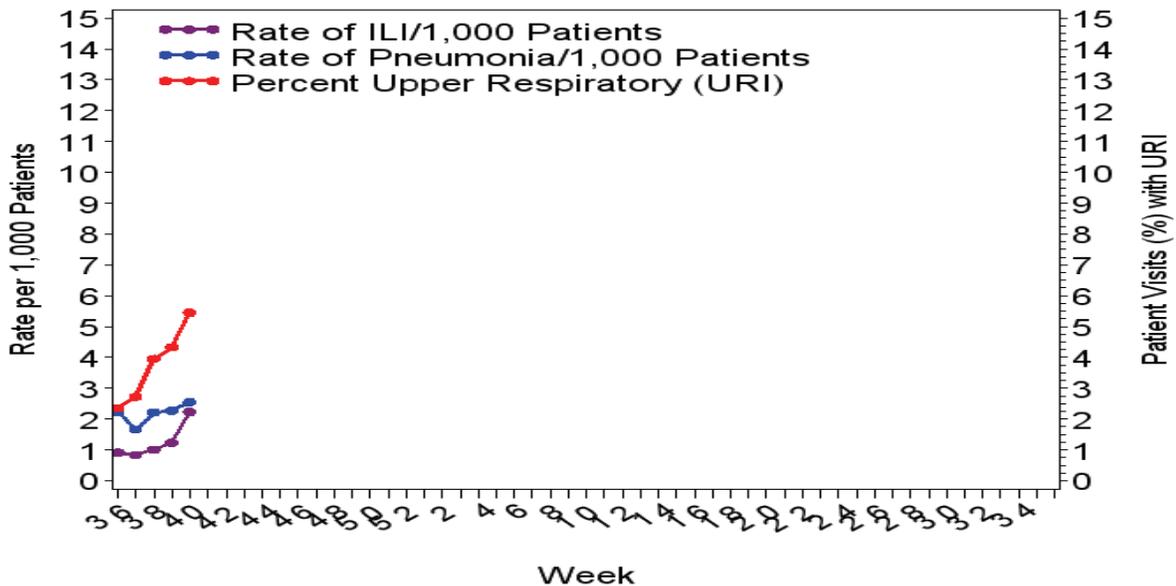
**Oregon Health Authority, Acute and Communicable Disease Prevention 12OCT12**  
 Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
 3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILNet moving average:** The 3-week moving average for %ILI was 0.65%, below the historical baseline.

The 3-week moving average does not show actual weekly %ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

**Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013**

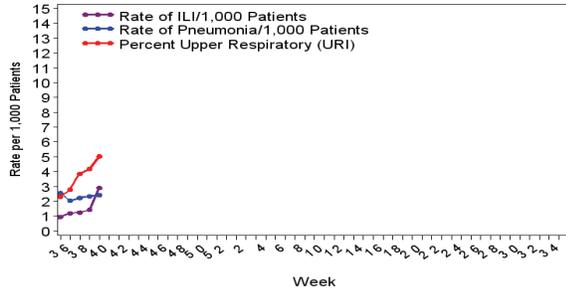


Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week behind ILINet data. **The rate of ILI per 1,000 OCHIN patients was 2.2 during Week 40, 2012.**

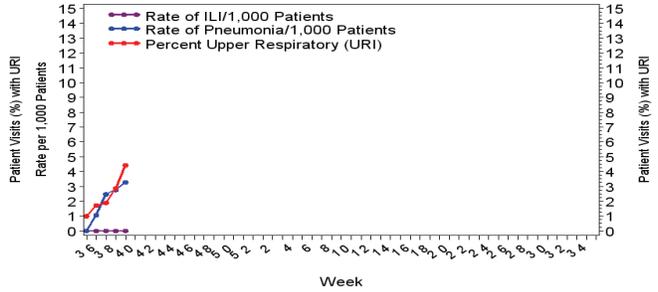
# ILI Activity by Region: ILINet (% ILI) and OCHIN (ILI Rate)

Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



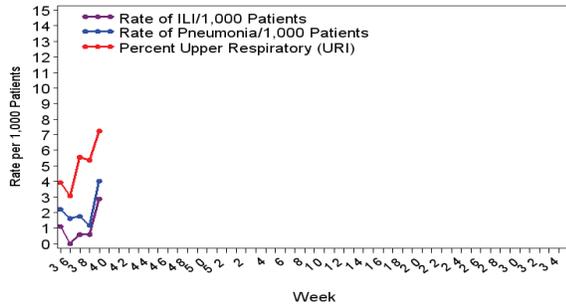
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Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



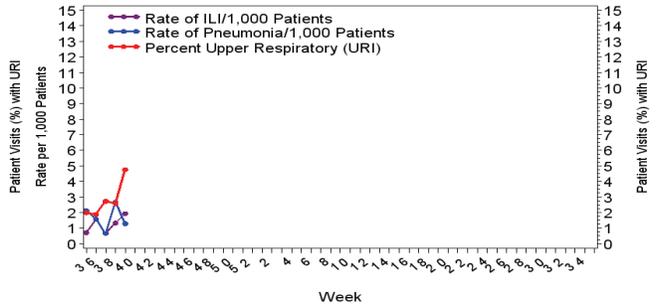
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Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



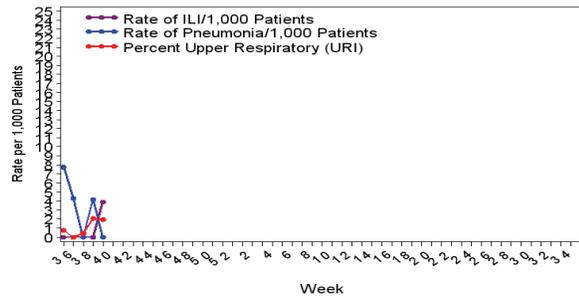
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



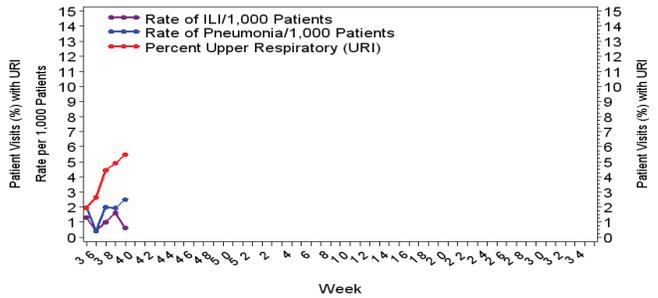
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Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013

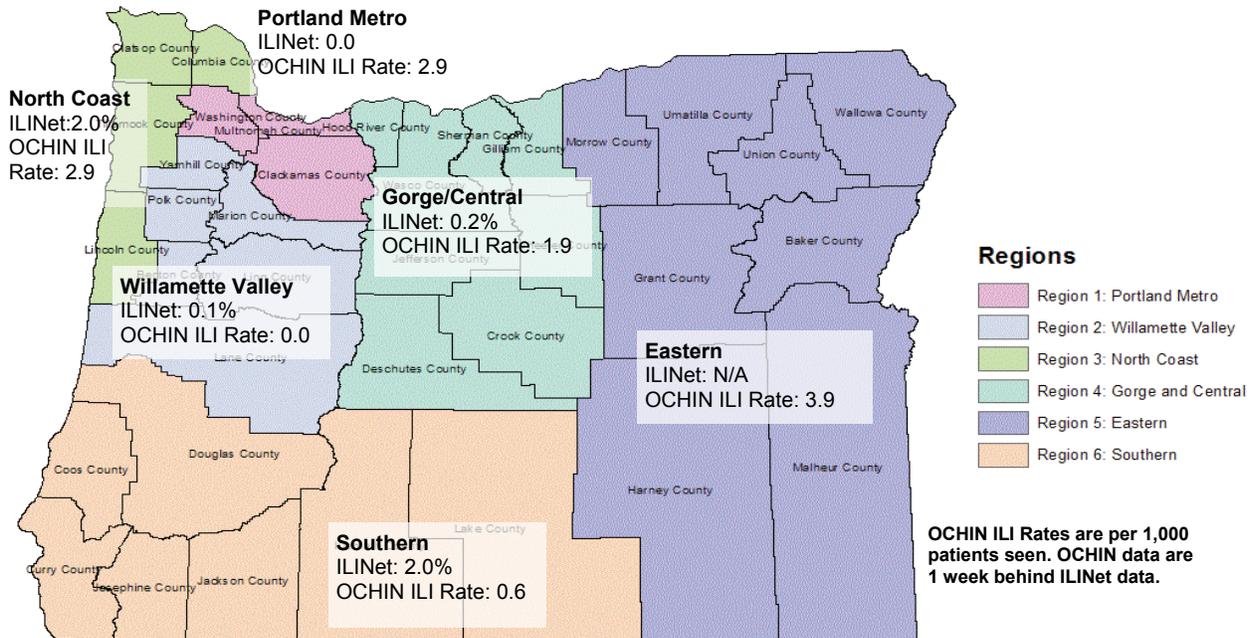


Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.



**Laboratory surveillance:** There were no specimens positive for influenza at Oregon State Public Health Laboratory for week 40. We will resume publishing graphs and tables for laboratory surveillance in the next few weeks, as the number of specimen submissions to Oregon State Public Health Laboratory increases.

**Outbreaks:** There were no ILI or influenza outbreaks reported in Oregon for week 40.

### National Data:

**Viral Surveillance:** Of 2,870 specimens tested and reported by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories during week 40, 75 (2.6%) were positive for influenza.

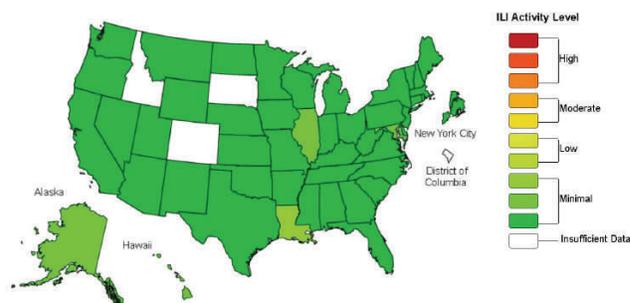
**Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.

**Influenza-associated Pediatric Deaths:** No influenza-associated pediatric deaths were reported.

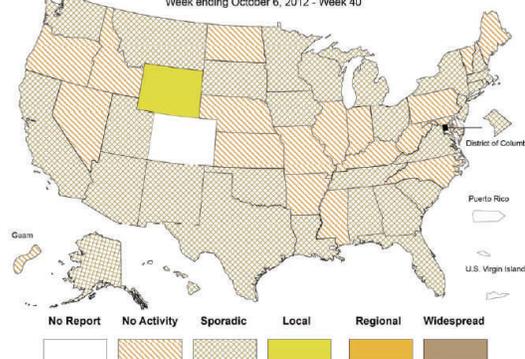
**Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.2%, which is below the national baseline of 2.2%. All 10 regions reported ILI below region-specific baseline levels. Forty-seven states and New York City experienced minimal ILI activity and the District of Columbia and three states had insufficient data.

**Geographic Spread of Influenza:** The geographic spread of influenza in one state (Wyoming) was reported as local; the District of Columbia and 29 states reported sporadic activity; Guam and 18 states reported no influenza activity, and Puerto Rico, the U.S. Virgin Islands, and two states did not report.

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet**  
2012-13 Influenza Season Week 40 ending Oct 06, 2012



**Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\***  
Week ending October 6, 2012 - Week 40



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

**Map above Right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

### Additional resources:

- For additional information on influenza testing guidelines for the 2012-2013 season, go to: <http://healthoregon.org/fludata> and select 'Influenza Testing'.
- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- H3N2v guidelines for the General public- <http://www.cdc.gov/flu/swineflu/h3n2v-basics.htm>

## Current Week's Data at a Glance: October 07-13, 2012 (Week 41)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Minimal</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Sporadic</b>
<b>Percent of outpatient visits for ILI</b>	<b>0.67%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>0</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>0</b>
<b>Reported ILI outbreaks</b>	<b>0</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>0</b>

<sup>1</sup>Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

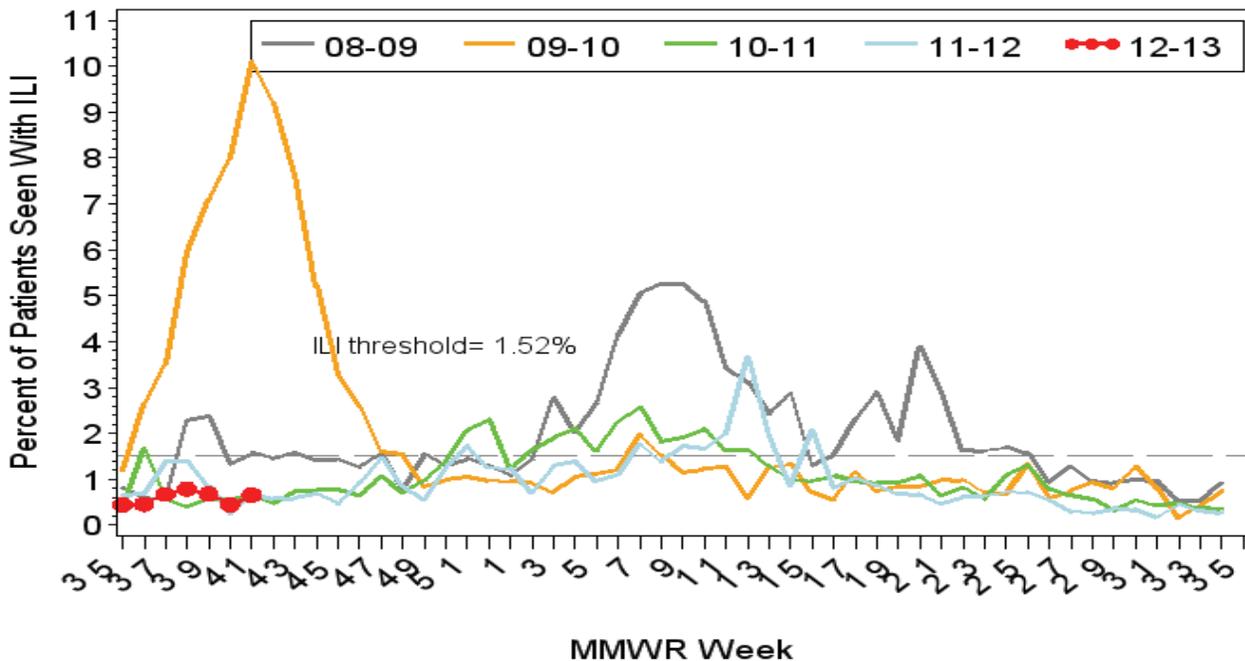
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<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

### Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 15OCT12 Percent of Outpatients with Influenza-like Illness (ILI) 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



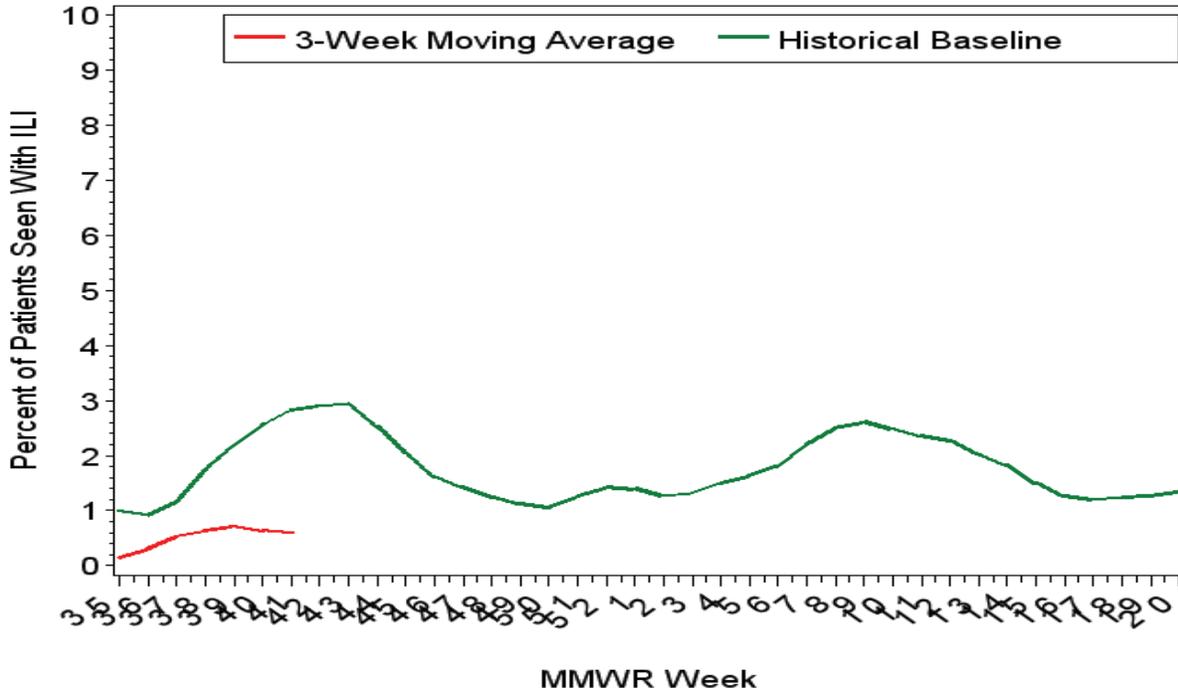
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**Note:** ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

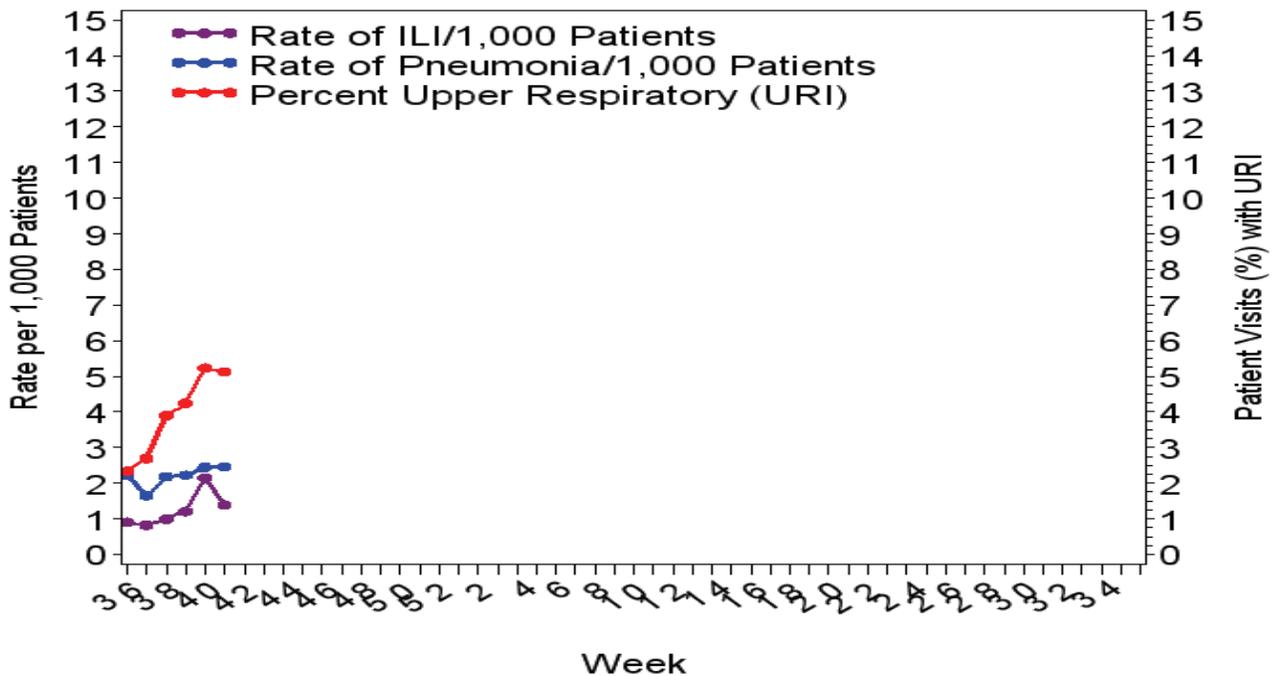
**Oregon Health Authority, Acute and Communicable Disease Prevention 15OCT12**  
 Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
 3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILNet moving average:** The 3-week moving average for %ILI was 0.61%, below the historical baseline.

The 3-week moving average does not show actual weekly %ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

**Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013**

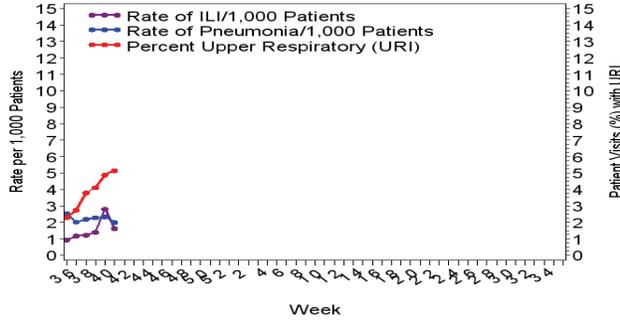


Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week behind ILINet data. **The rate of ILI per 1,000 OCHIN patients was 1.4 during Week 40, 2012.**

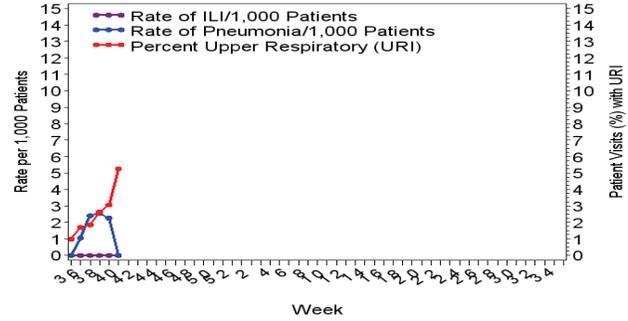
# ILI Activity by Region: ILINet (% ILI) and OCHIN (ILI Rate)

Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



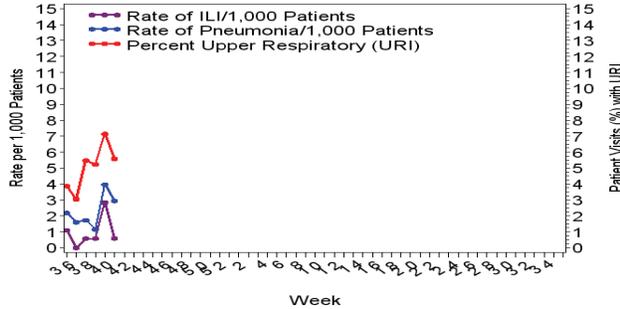
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



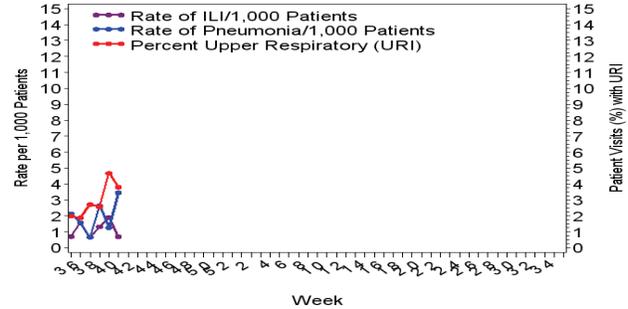
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



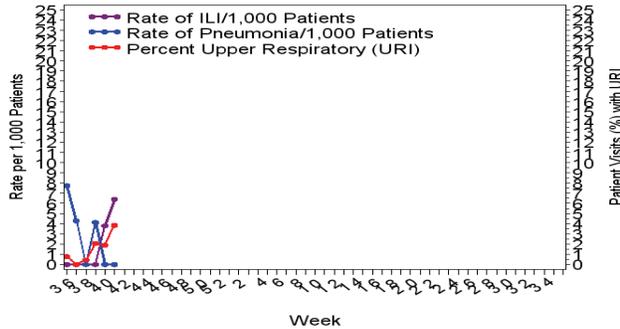
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



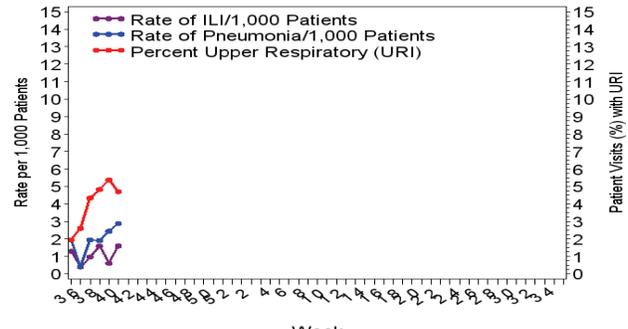
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013

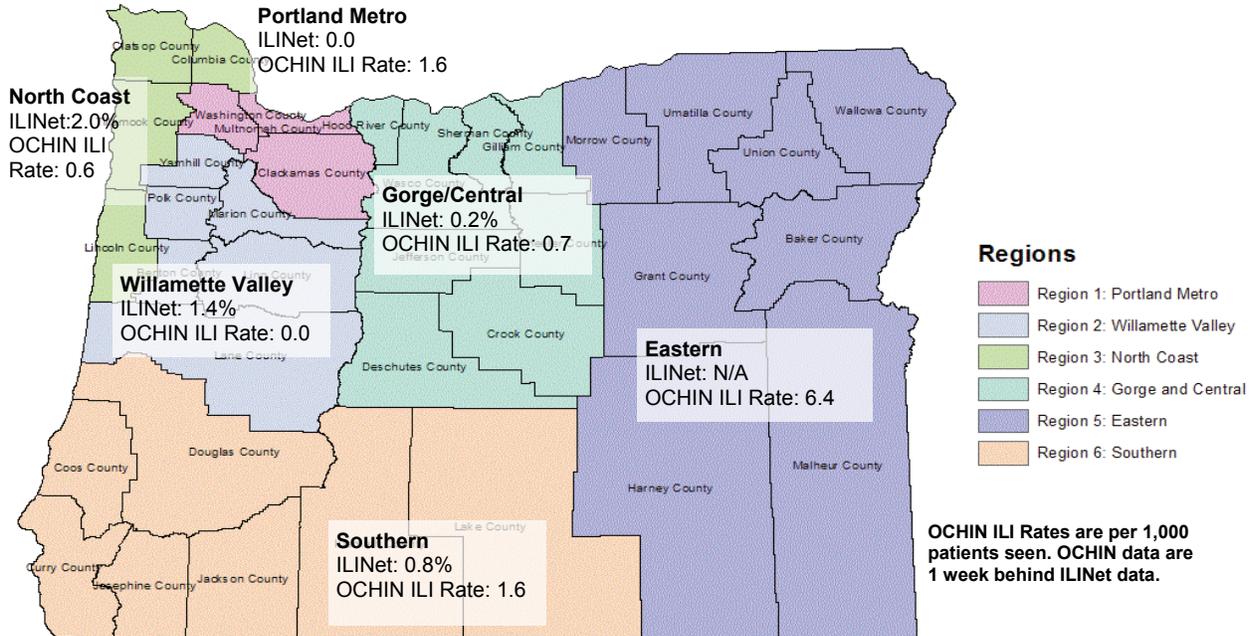


Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.



**Laboratory surveillance:** There were no specimens positive for influenza at Oregon State Public Health Laboratory for week 41. As the number of specimen submissions to Oregon State Public Health Laboratory increases, we will resume publishing graphs and tables for laboratory surveillance in the next few weeks.

**Outbreaks:** There were no ILI or influenza outbreaks reported in Oregon for week 41.

Note: CDC data below are from October 12, 2012 (due to early publication on *FluBites*).

**National Data:**

**Viral Surveillance:** Of 2,870 specimens tested and reported by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories during week 40, 75 (2.6%) were positive for influenza.

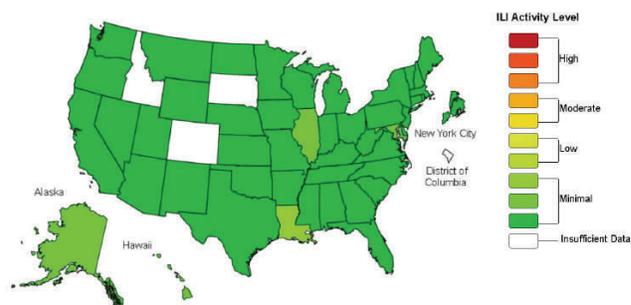
**Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.

**Influenza-associated Pediatric Deaths:** No influenza-associated pediatric deaths were reported.

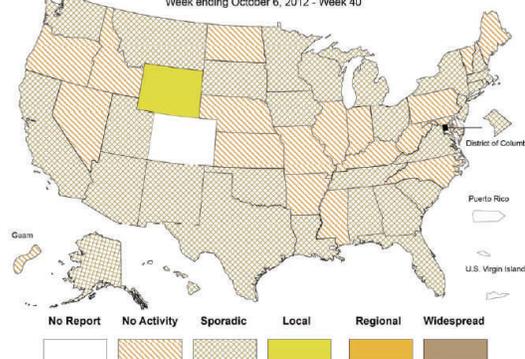
**Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.2%, which is below the national baseline of 2.2%. All 10 regions reported ILI below region-specific baseline levels. Forty-seven states and New York City experienced minimal ILI activity and the District of Columbia and three states had insufficient data.

**Geographic Spread of Influenza:** The geographic spread of influenza in one state (Wyoming) was reported as local; the District of Columbia and 29 states reported sporadic activity; Guam and 18 states reported no influenza activity, and Puerto Rico, the U.S. Virgin Islands, and two states did not report.

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet**  
2012-13 Influenza Season Week 40 ending Oct 06, 2012



**Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\***  
Week ending October 6, 2012 - Week 40



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

**Map above Right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

**Additional resources:**

- For additional information on influenza testing guidelines for the 2012-2013 season, go to: <http://healthoregon.org/fludata> and select 'Influenza Testing'.
- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- H3N2v guidelines for the General public- <http://www.cdc.gov/flu/swineflu/h3n2v-basics.htm>

## Current Week's Data at a Glance: October 14-20, 2012 (Week 42)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Minimal</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Sporadic</b>
<b>Percent of outpatient visits for ILI</b>	<b>0.72%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>1</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>1</b>
<b>Reported ILI outbreaks</b>	<b>0</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>1 (1%)</b>

<sup>1</sup>Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

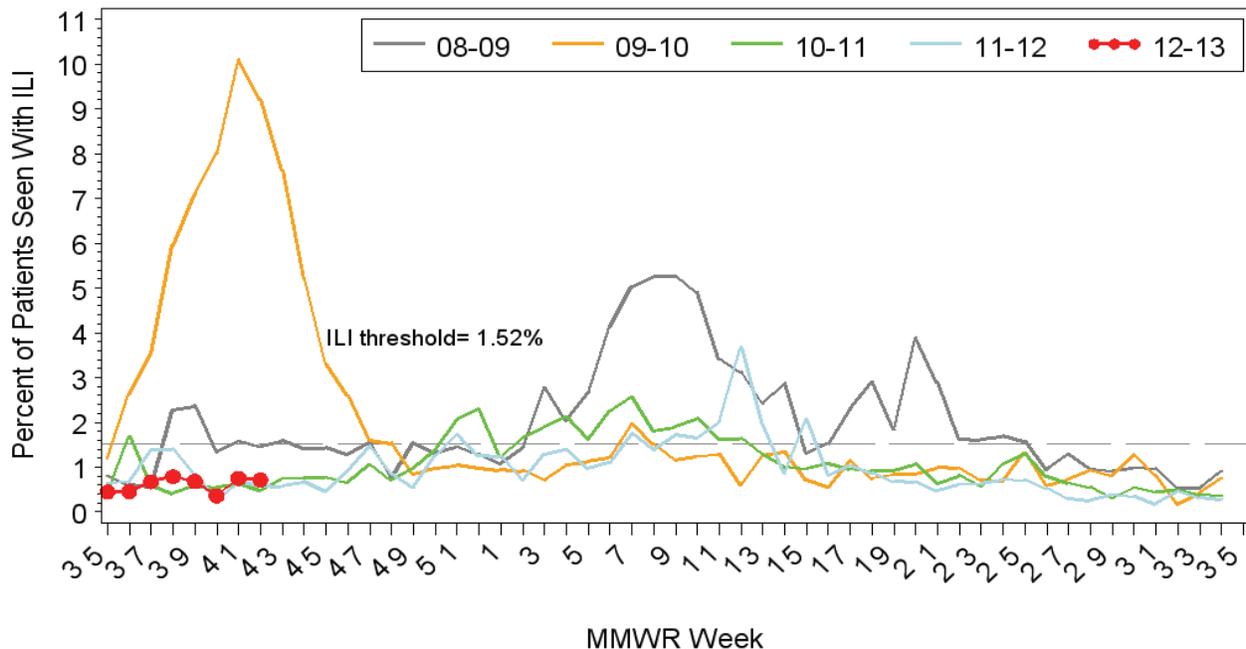
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Health Authority, Acute and Communicable Disease Prevention 23OCT12  
**Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)**  
 Percent of Outpatients with Influenza-like Illness (ILI)  
 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013

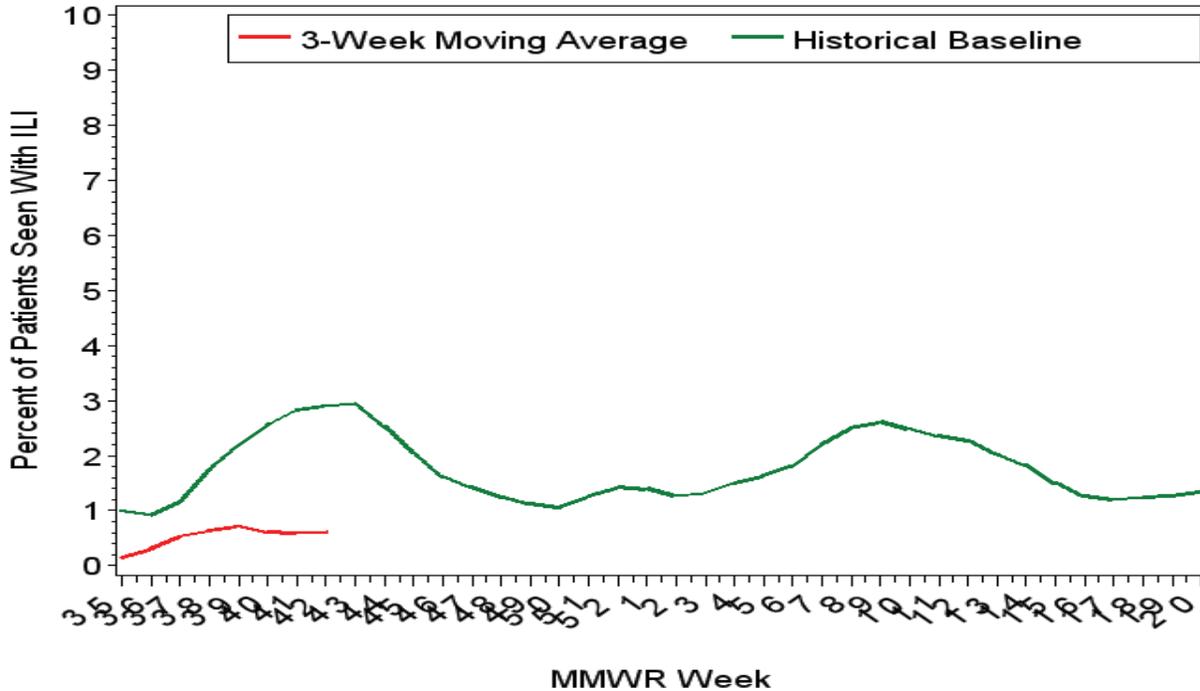


Surveillance weeks run from Sunday through Saturday

Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 23 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for Week 42 of 2012 was 0.72%, below Oregon's seasonal threshold of 1.52%.**

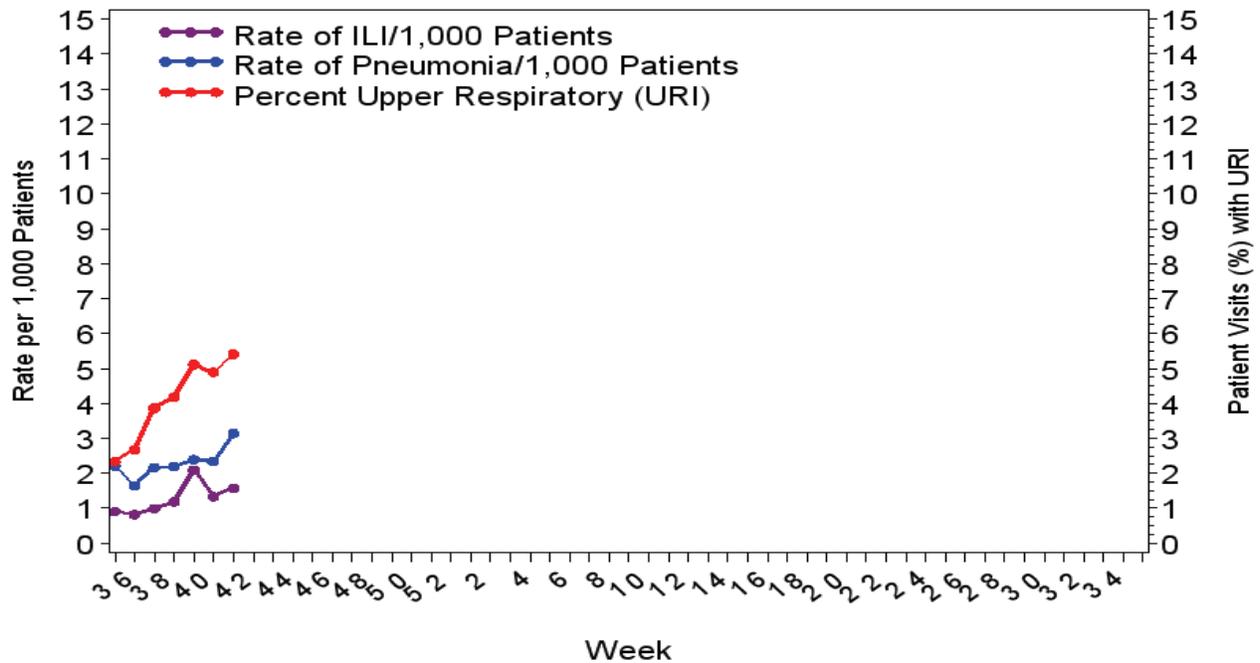
**Note:** ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on



**ILNet moving average:** The 3-week moving average for %ILI was 0.61%, below the historical baseline.

The 3-week moving average does not show actual weekly %ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

**Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013**

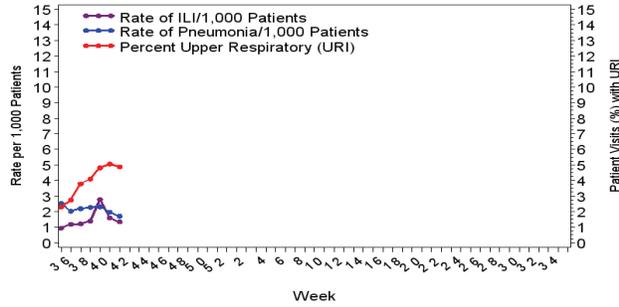


Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. **The rate of ILI per 1,000 OCHIN patients was 1.6 during Week 41, 2012.**

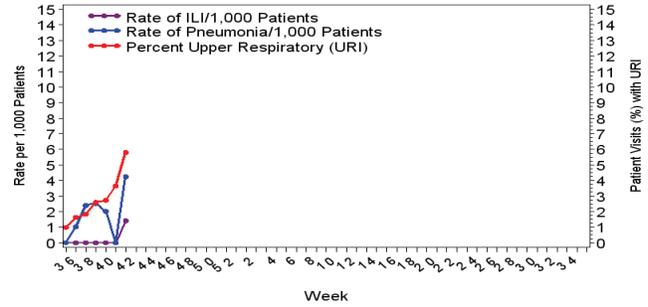
# ILI Activity by Region: ILINet (% ILI) and OCHIN (ILI Rate)

Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



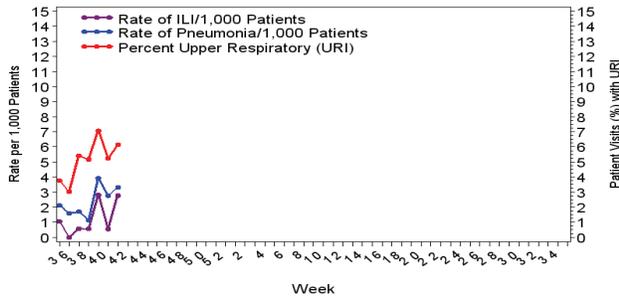
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



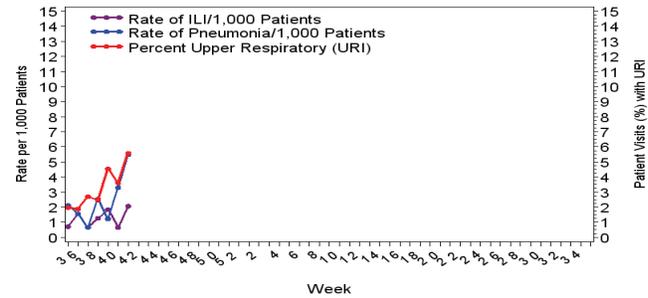
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



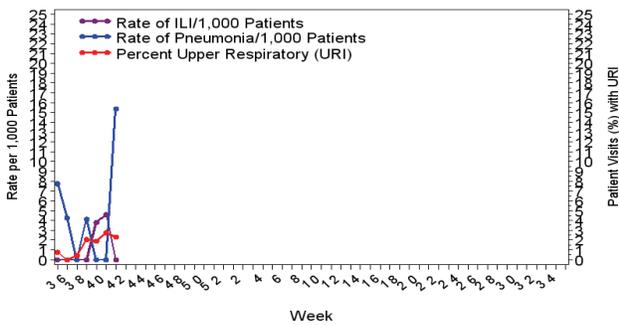
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



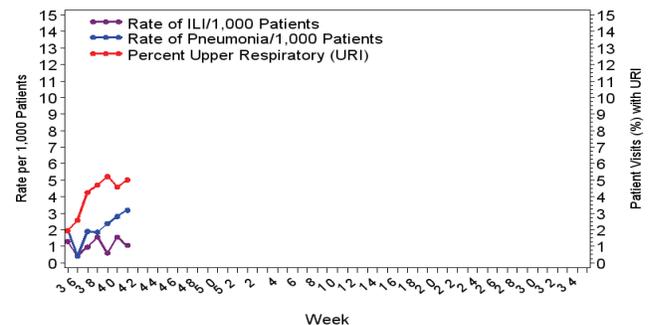
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013

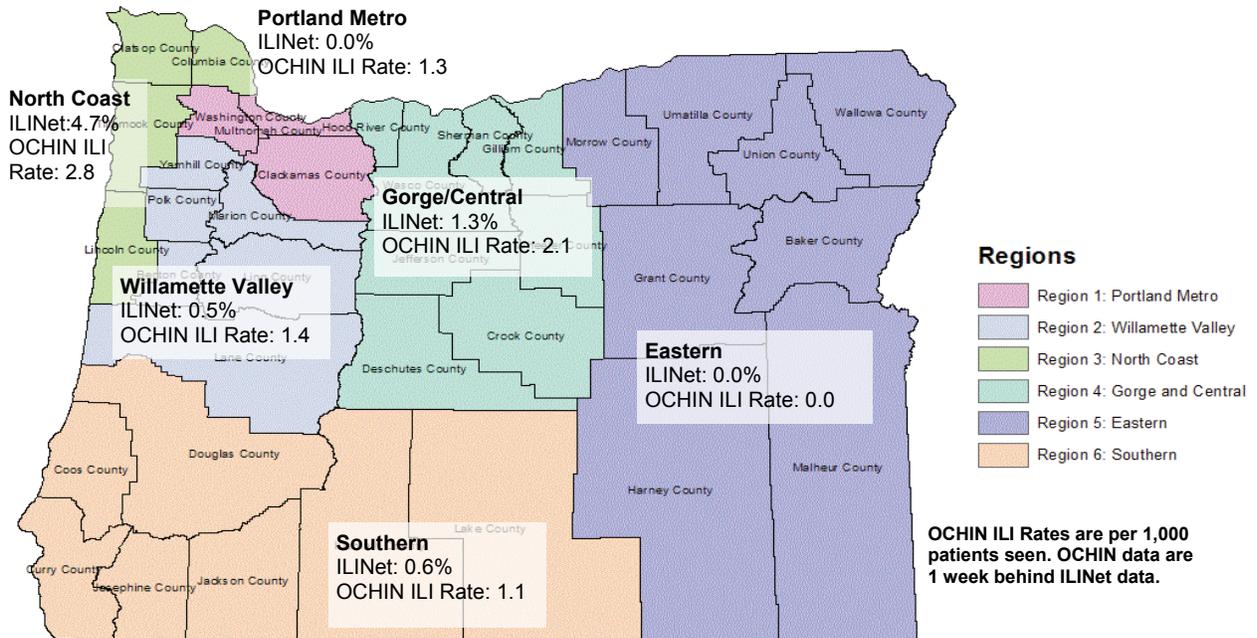


Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.



**Laboratory surveillance:** One specimen tested positive for influenza A/H3 at Oregon State Public Health Laboratory for week 42. As the number of specimen submissions to Oregon State Public Health Laboratory increases, we will resume publishing graphs and tables for laboratory surveillance in the next few weeks.

**Hospitalizations:** There was one hospitalization reported in the Portland area (Clackamas, Multnomah, Washington Counties) during week 42.

**Outbreaks:** There were no ILI or influenza outbreaks reported in Oregon for week 42.

#### National Data:

**Viral Surveillance:** Of 2,891 specimens tested and reported by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories during week 42, 178 (6.2%) were positive for influenza.

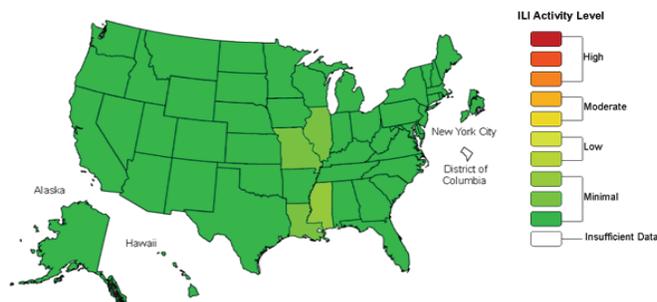
**Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.

**Influenza-associated Pediatric Deaths:** No influenza-associated pediatric deaths were reported.

**Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.2%, which is below the national baseline of 2.2%. All 10 regions reported ILI below region-specific baseline levels. All 50 states and New York City experienced minimal ILI activity and the District of Columbia had insufficient data.

**Geographic Spread of Influenza:** The geographic spread of influenza in three states was reported as local; the District of Columbia and 34 states reported sporadic activity; Guam and 13 states reported no influenza activity, and Puerto Rico and the U.S. Virgin Islands did not report.

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet**  
2012-13 Influenza Season Week 42 ending Oct 20, 2012

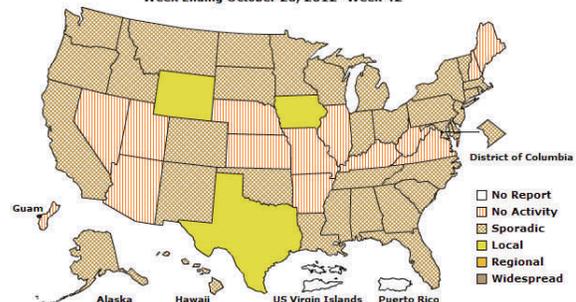


**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

#### Additional resources:

- For additional information on influenza testing guidelines for the 2012-2013 season, go to: <http://healthoregon.org/fludata> and select 'Influenza Testing'.
- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- H3N2v guidelines for the General public- <http://www.cdc.gov/flu/swineflu/h3n2v-basics.htm>

**A Weekly Influenza Surveillance Report Prepared by the Influenza Division**  
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists\*  
Week Ending October 20, 2012- Week 42



**Map above Right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

## Current Week's Data at a Glance: October 21-27, 2012 (Week 43)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Low</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>No Activity</b>
<b>Percent of outpatient visits for ILI</b>	<b>0.67%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>0</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>0</b>
<b>Reported ILI outbreaks</b>	<b>0</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>0</b>

<sup>1</sup>Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

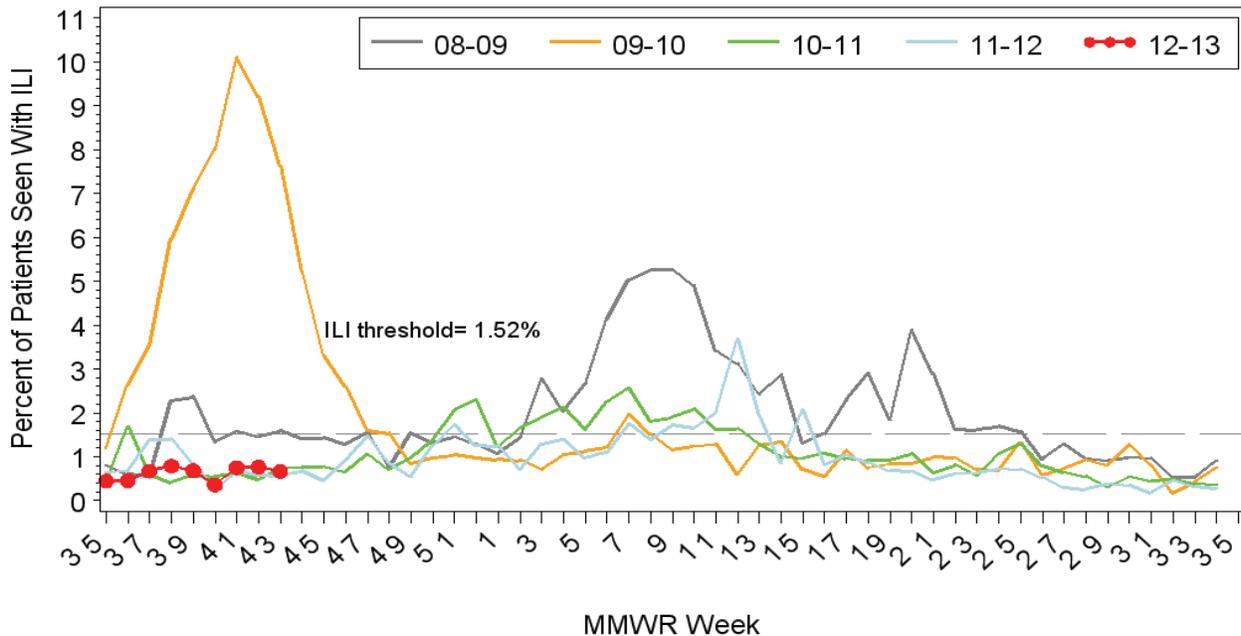
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 01NOV12  
**Percent of Outpatients with Influenza-like Illness (ILI)**  
 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



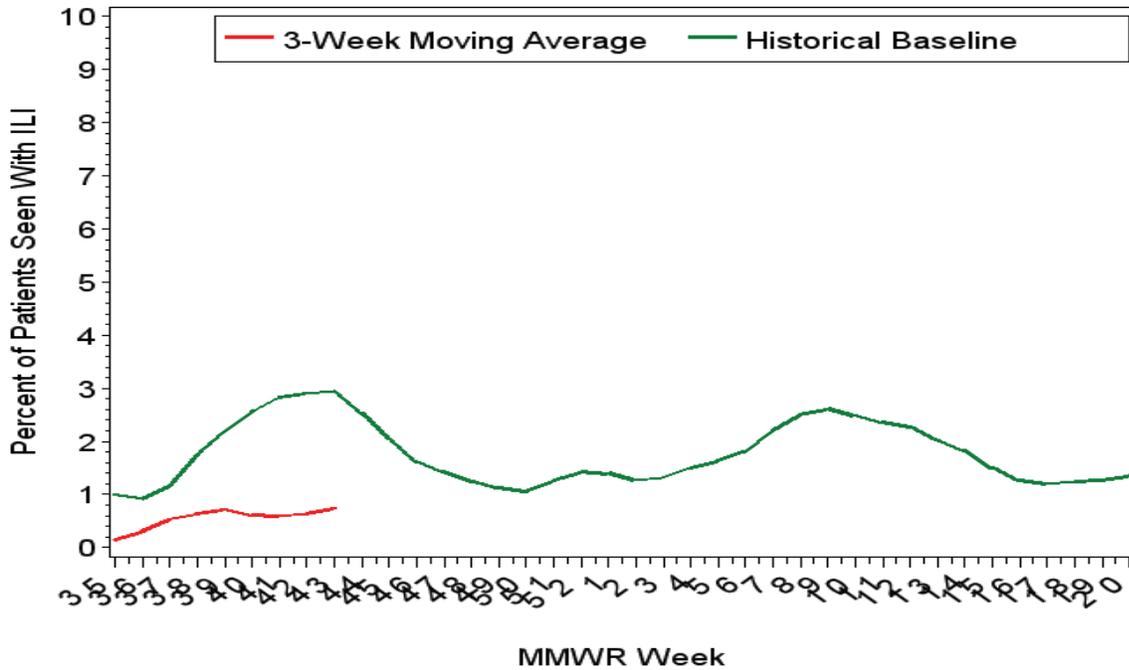
Surveillance weeks run from Sunday through Saturday

Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 23 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for Week 43 of 2012 was 0.67%, below Oregon's seasonal threshold of 1.52%.**

**Note:** ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

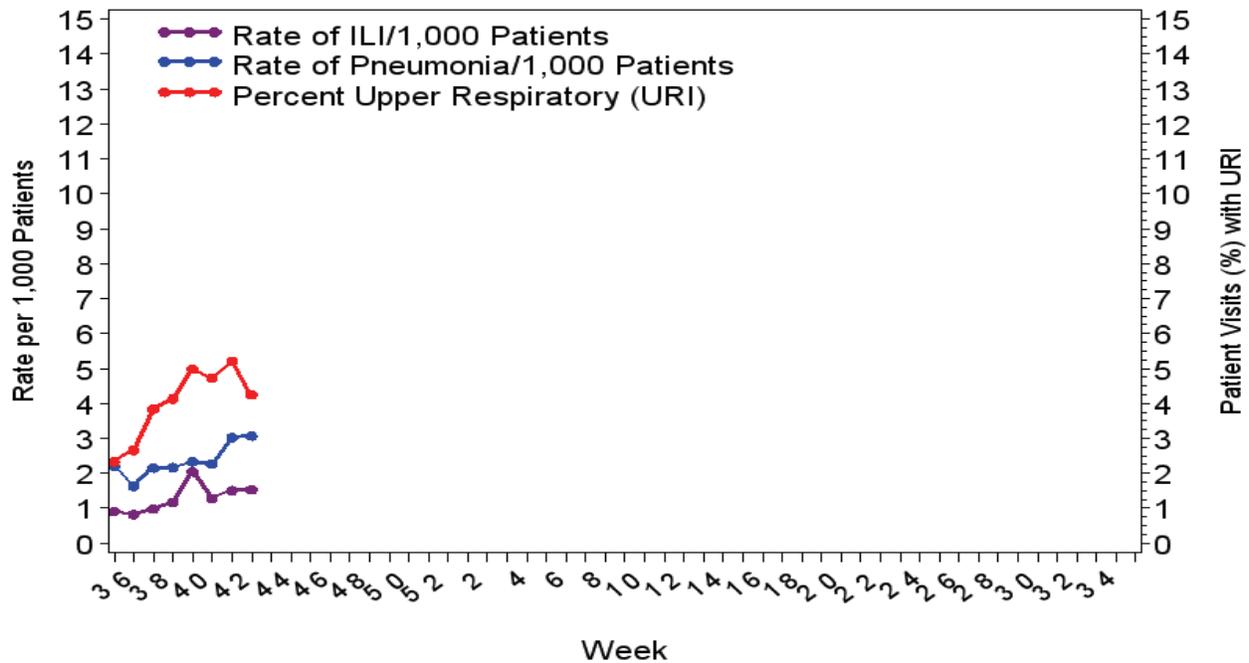
**Oregon Health Authority, Acute and Communicable Disease Prevention 01NOV12**  
 Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
 3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILNet moving average:** The 3-week moving average for %ILI was 0.73% & is below the historical baseline.

The 3-week moving average does not show actual weekly %ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

**Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013**

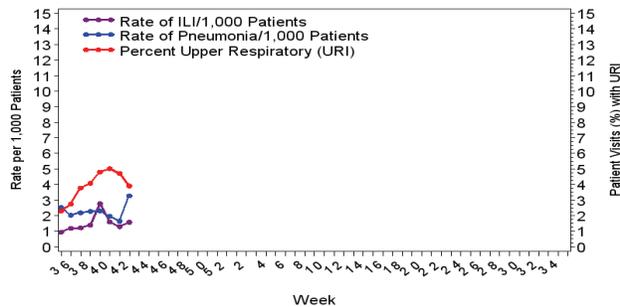


Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. **The rate of ILI per 1,000 OCHIN patients was 1.5 during Week 42, 2012.**

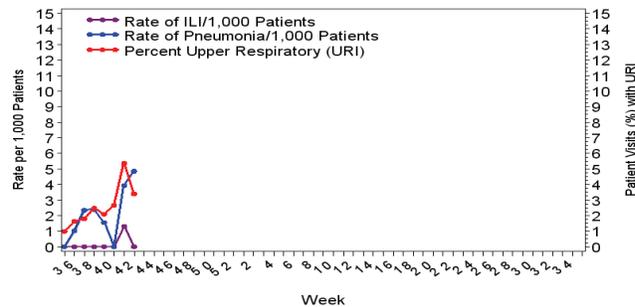
# ILI Activity by Region: ILINet (% ILI) and OCHIN (ILI Rate)

Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



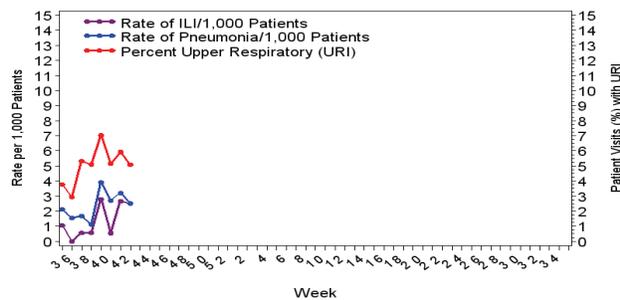
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



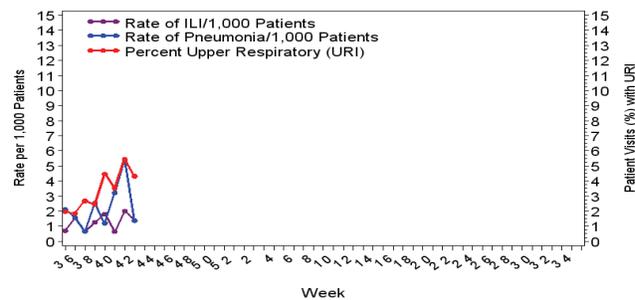
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



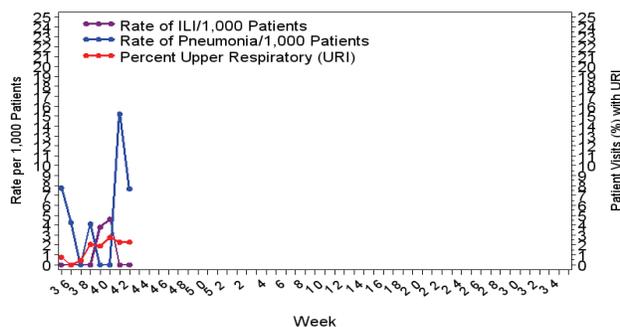
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



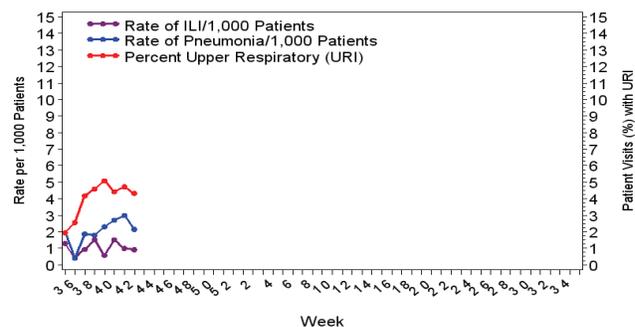
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013

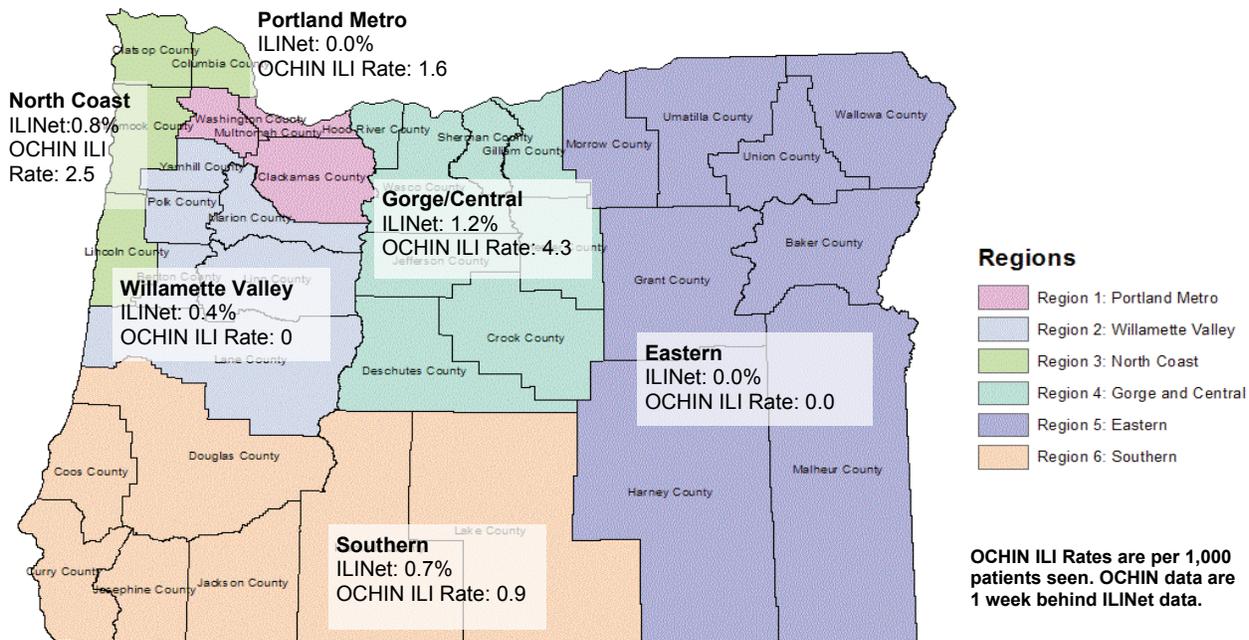


Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.



## Regions

- Region 1: Portland Metro
- Region 2: Willamette Valley
- Region 3: North Coast
- Region 4: Gorge and Central
- Region 5: Eastern
- Region 6: Southern

OCHIN ILI Rates are per 1,000 patients seen. OCHIN data are 1 week behind ILINet data.

**Laboratory surveillance:** No specimen tested positive for influenza at Oregon State Public Health Laboratory (OSPHL) for week 43. As the number of specimen submissions to increases, we will resume publishing graphs and tables for laboratory surveillance in the next few weeks.

**Hospitalizations:** No hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during week 43.

**Outbreaks:** There were no ILI or influenza outbreaks reported in Oregon for week 43.

#### National Data:

**Viral Surveillance:** Of 3,036 specimens tested and reported by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories during week 43, 188 (6.2%) were positive for influenza.

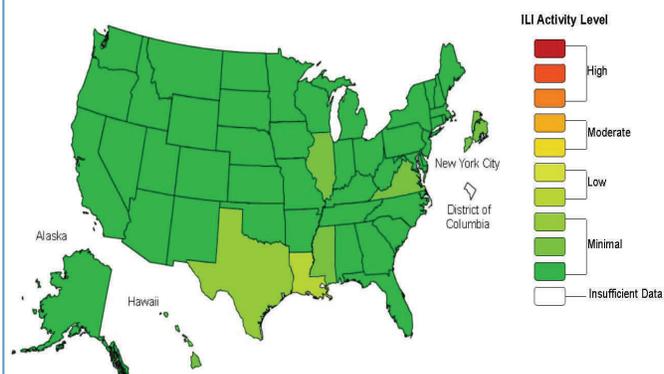
**Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was above the epidemic threshold.

**Influenza-associated Pediatric Deaths:** No influenza-associated pediatric deaths were reported.

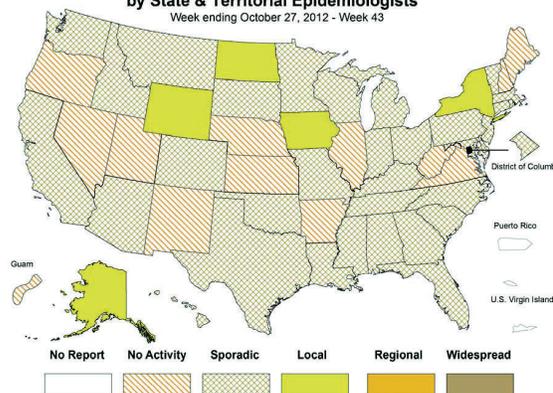
**Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.1%, which is below the national baseline of 2.2%. All 10 regions reported ILI below region-specific baseline levels. One state experienced low ILI activity; 49 states and New York City experienced minimal ILI activity, and the District of Columbia had insufficient data.

**Geographic Spread of Influenza:** The geographic spread of influenza in 5 states was reported as local; the District of Columbia and 33 states reported sporadic activity; Guam and 12 states reported no influenza activity, and Puerto Rico and the U.S. Virgin Islands did not report.

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet**  
2012-13 Influenza Season Week 43 ending Oct 27, 2012



**Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\***  
Week ending October 27, 2012 - Week 43



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

**Map above Right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

#### Additional resources:

- For additional information on influenza testing guidelines for the 2012-2013 season, go to: <http://healthoregon.org/fludata> and select 'Influenza Testing'.
- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- H3N2v guidelines for the General public- <http://www.cdc.gov/flu/swineflu/h3n2v-basics.htm>
- Please link here for the *most recent evaluation* of commercially available rapid influenza diagnostic tests: <http://www.cdc.gov/mmwr/pdf/wk/mm6143.pdf>

## Current Week's Data at a Glance: October 28 - November 03, 2012 (Week 44)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Minimal</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Sporadic</b>
<b>Percent of outpatient visits for ILI</b>	<b>0.91%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>3</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>3</b>
<b>Reported ILI outbreaks</b>	<b>0</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>5%</b>

<sup>1</sup>Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

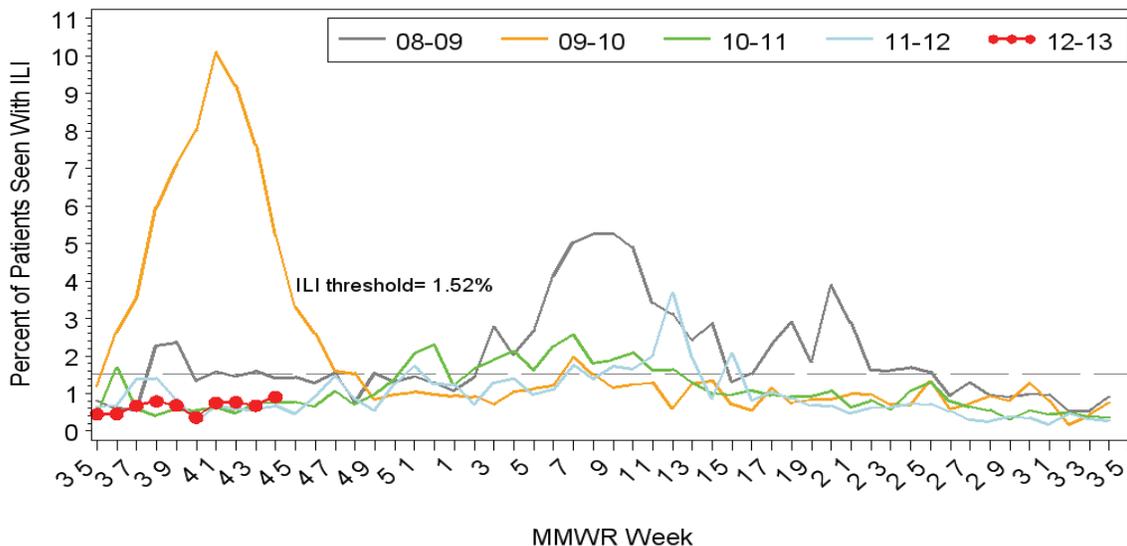
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 09NOV12  
**Percent of Outpatients with Influenza-like Illness (ILI)**  
 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013

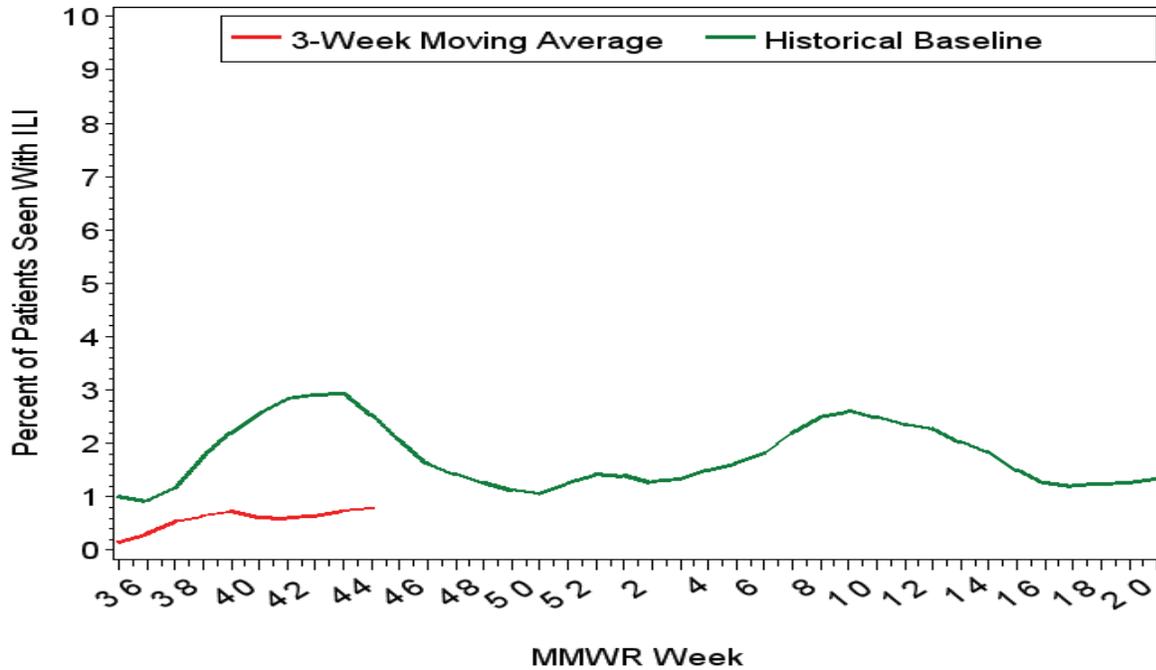


Surveillance weeks run from Sunday through Saturday  
 Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for Week 44 of 2012 was 0.91%, below Oregon's seasonal threshold of 1.52%.\***

\*Several Oregon counties are currently under-represented in ILI surveillance. If you would like to participate in ILINet surveillance, contacting Patricia Newman at OHA: [patricia.newman@state.or.us](mailto:patricia.newman@state.or.us) or 971-673-1076.

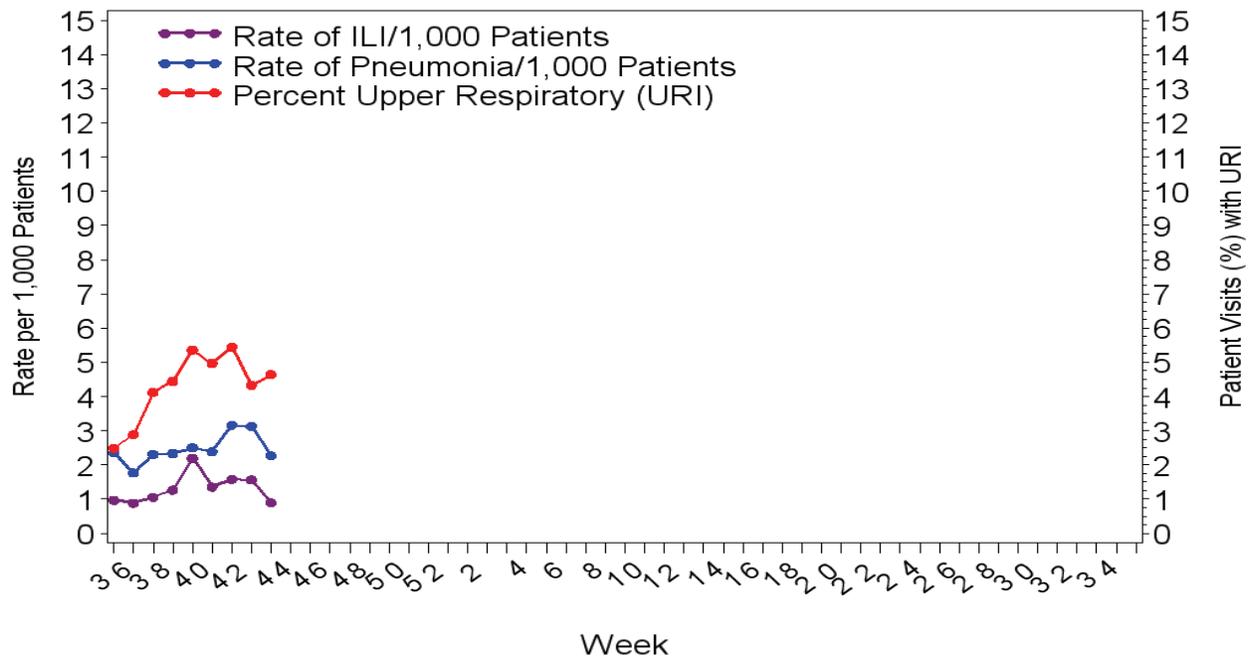
Note: ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.



**ILNet moving average:** The 3-week moving average for %ILI was 0.79%, and is below the historical baseline.

The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

**Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013**

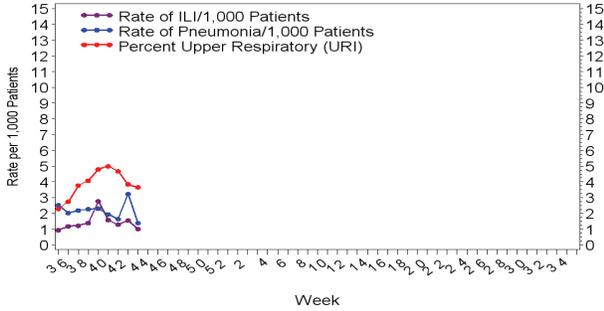


Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

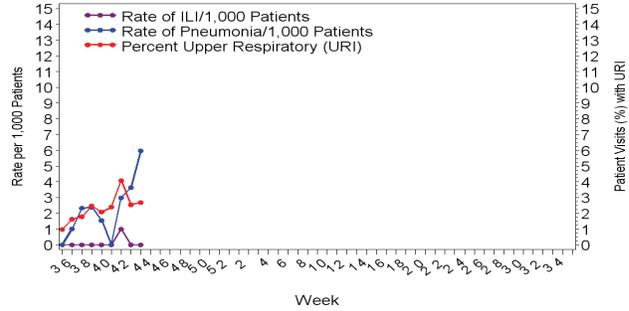
**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. **The rate of ILI per 1,000 OCHIN patients was 0.9% during Week 43, 2012.**

# ILI Activity by Region: ILINet (% ILI) and OCHIN (ILI Rate)

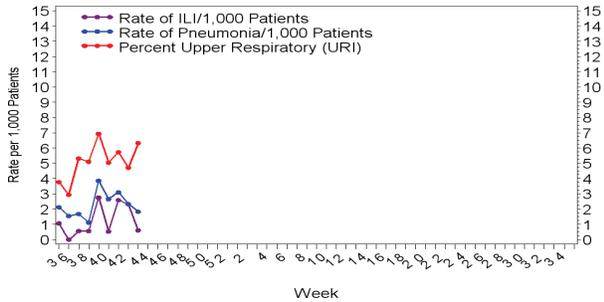
Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



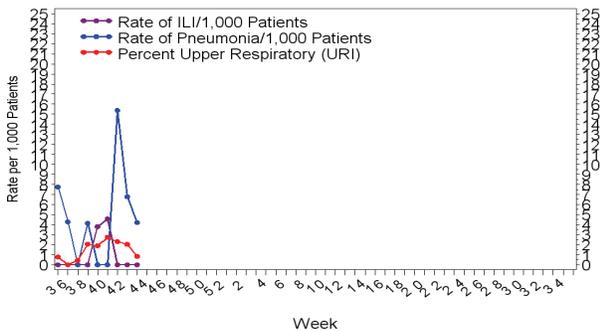
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.  
Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



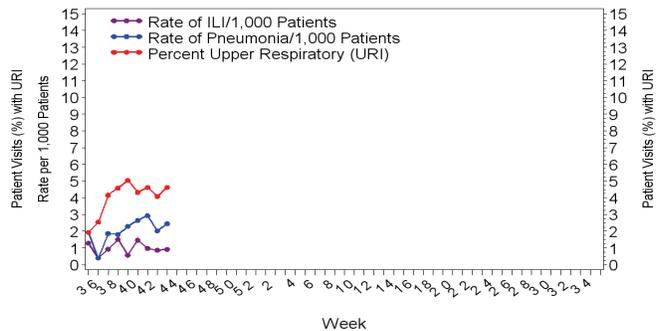
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 4 data not available for Week 43

Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.  
Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013

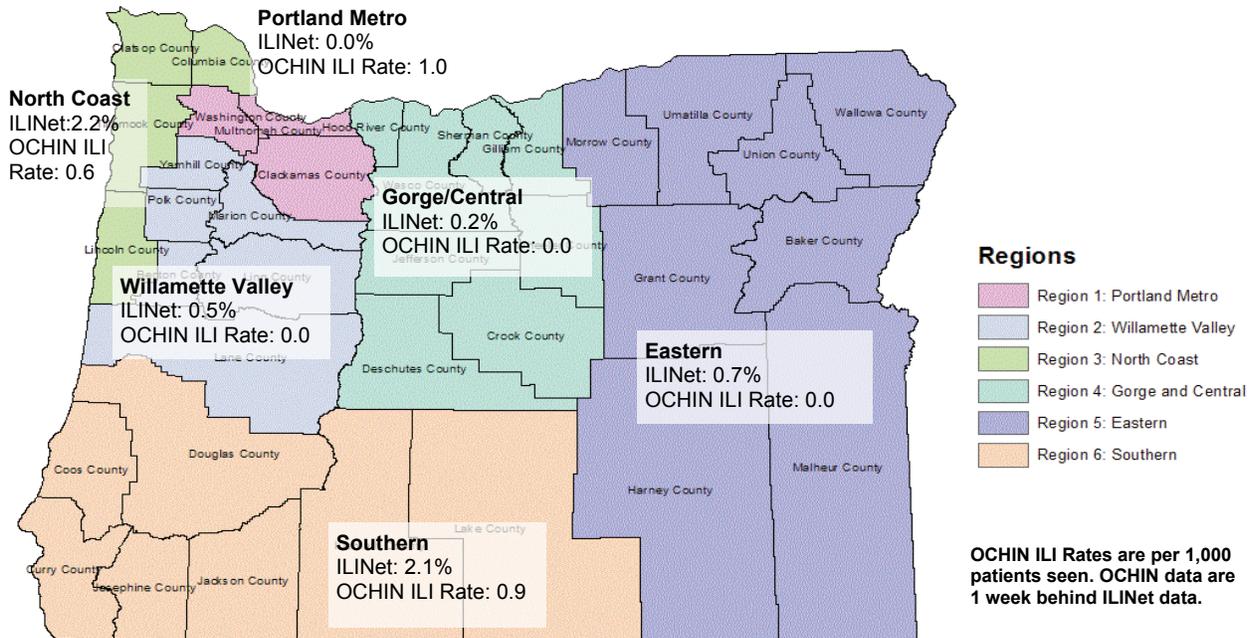


Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.



**Laboratory surveillance:** 3 specimens tested positive for influenza at Oregon State Public Health Laboratory (OSPHL) for week 44. As the number of specimen submissions to increases, we will resume publishing graphs and tables for laboratory surveillance in the next few weeks.

**Hospitalizations:** 3 hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during week 44, for a cumulative total of 4 hospitalizations this season.

**Outbreaks:** No ILI or influenza outbreaks were reported in Oregon for week 44.

#### National Data:

**Viral Surveillance:** Of 3,277 specimens tested and reported by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories during week 44, 227 (6.9%) were positive for influenza.

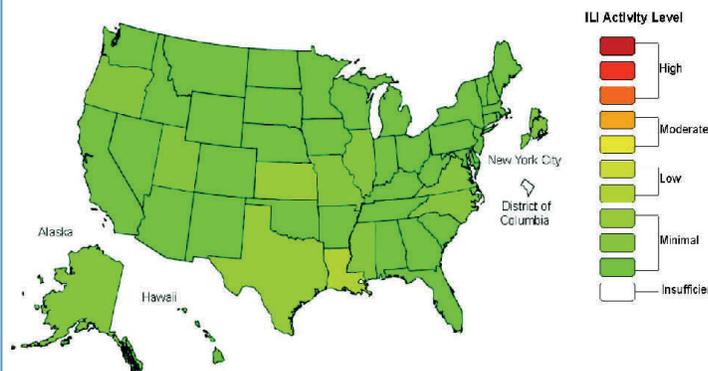
**Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was slightly above the epidemic threshold.

**Influenza-associated Pediatric Deaths:** No influenza-associated pediatric deaths were reported.

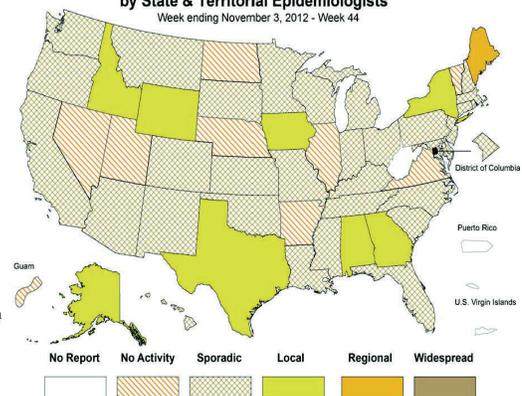
**Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.3%, which is below the national baseline of 2.2%. All 10 regions reported ILI below region-specific baseline levels. One state experienced low ILI activity; 49 states and New York City experienced minimal ILI activity, and the District of Columbia had insufficient data.

**Geographic Spread of Influenza:** The geographic spread of influenza in 1 state was reported as regional; 8 states reported local activity; Guam and 8 states reported no influenza activity, and Puerto Rico, the U.S. Virgin Islands, and one state did not report.

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet**  
2012-13 Influenza Season Week 44 ending Nov 03, 2012



**Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\***  
Week ending November 3, 2012 - Week 44



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

**Map above Right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

#### Additional resources:

- For additional information on influenza testing guidelines for the 2012-2013 season, go to: <http://healthoregon.org/fludata> and select 'Influenza Testing'.
- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- Please link here for the *most recent evaluation* of commercially available rapid influenza diagnostic tests: <http://www.cdc.gov/mmwr/pdf/wk/mm6143.pdf>

## Current Week's Data at a Glance: November 04 - 10, 2012 (Week 45)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Minimal</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Sporadic</b>
<b>Percent of outpatient visits for ILI</b>	<b>0.66%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>0</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>0</b>
<b>Reported ILI outbreaks</b>	<b>0</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>4%</b>

<sup>1</sup>Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

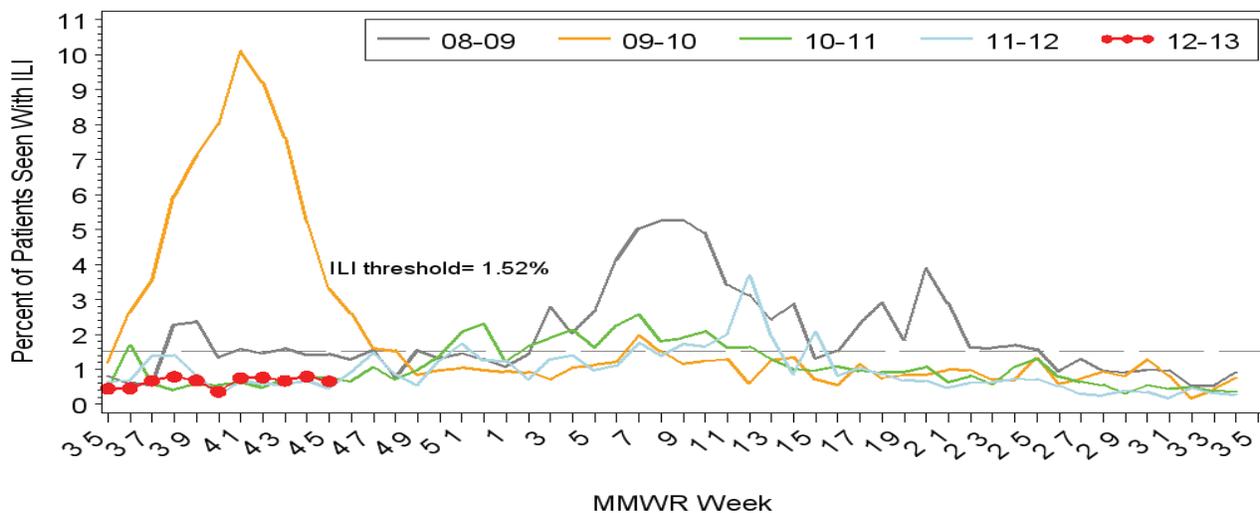
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 16NOV12  
**Percent of Outpatients with Influenza-like Illness (ILI)**  
 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013

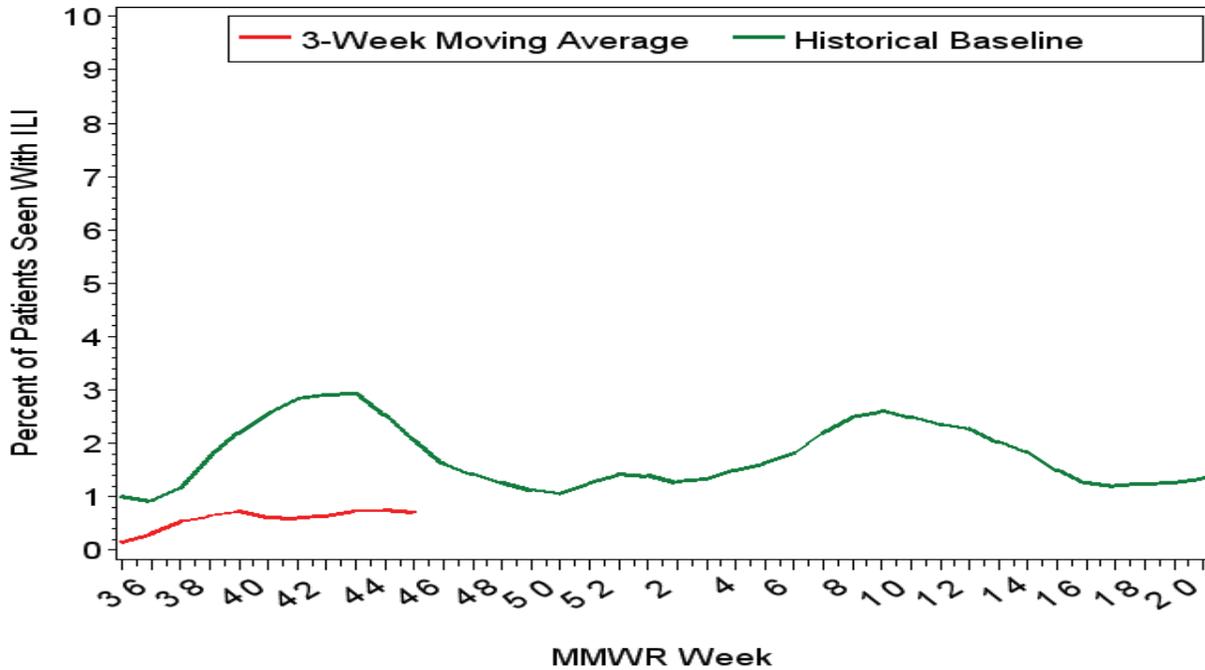


Surveillance weeks run from Sunday through Saturday  
 Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for Week 45 of 2012 was 0.66%, below Oregon's seasonal threshold of 1.52%.\***

\*Several Oregon counties are currently under-represented in ILI surveillance. If you would like to participate in ILINet surveillance, please contact Patricia Newman at OHA: [patricia.newman@state.or.us](mailto:patricia.newman@state.or.us) or 971-673-1076.

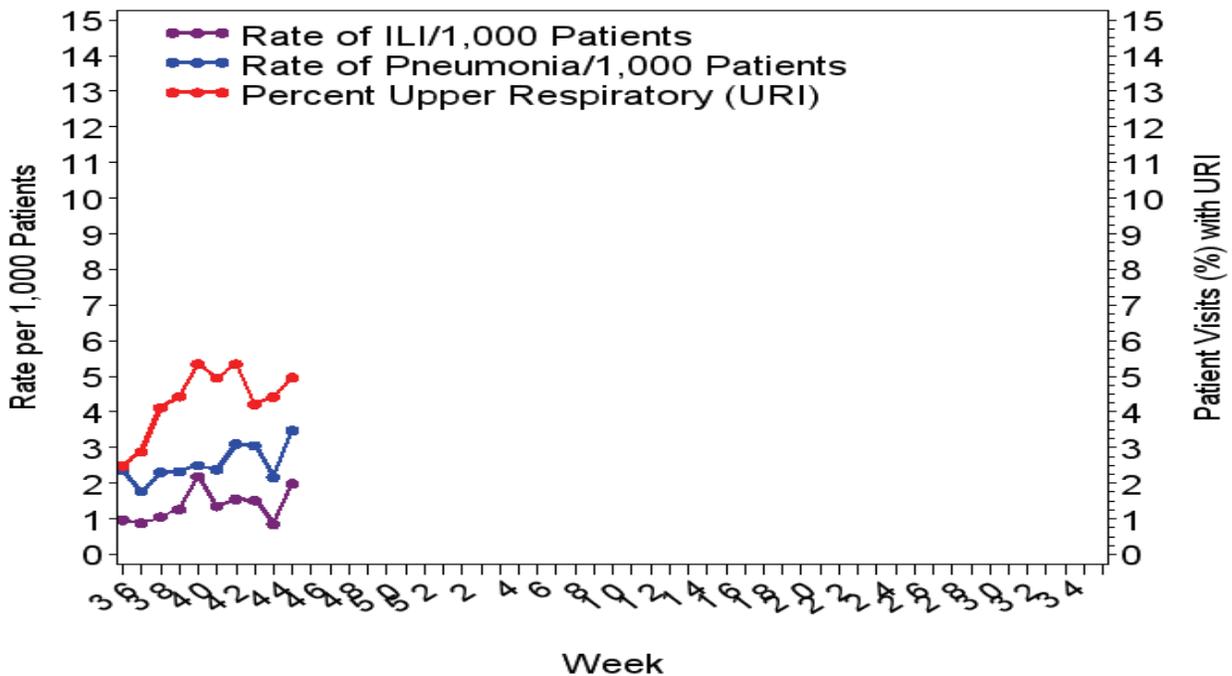
Note: ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.



**ILNet moving average:** The 3-week moving average for %ILI was 0.71%, and is below the historical baseline.

The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

**Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013**

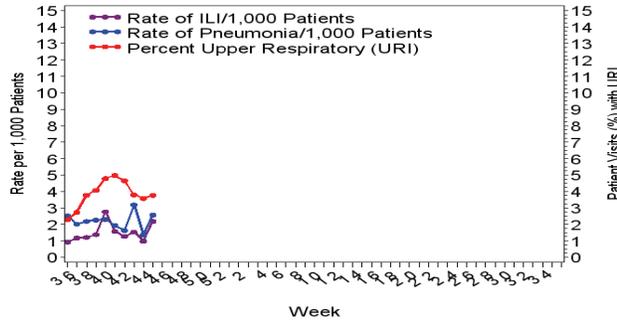


Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

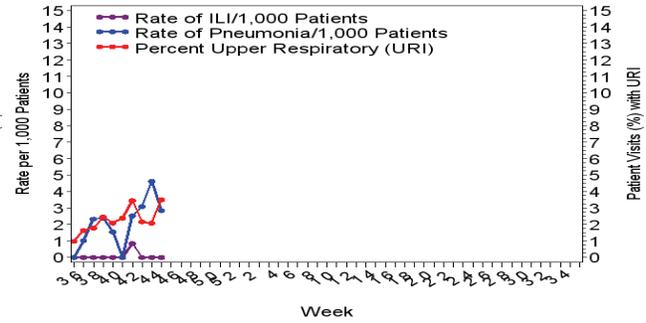
**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. **The rate of ILI per 1,000 OCHIN patients was 2 during Week 44, 2012.**

# ILI Activity by Region: ILINet (% ILI) and OCHIN (ILI Rate)

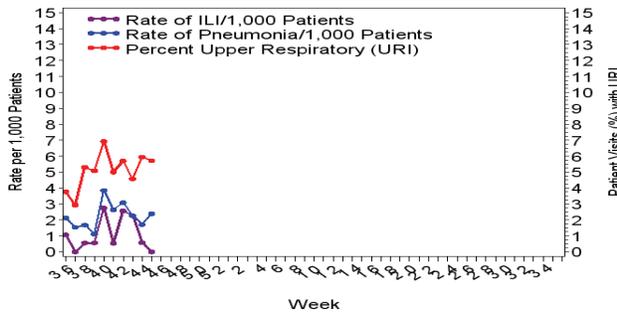
Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



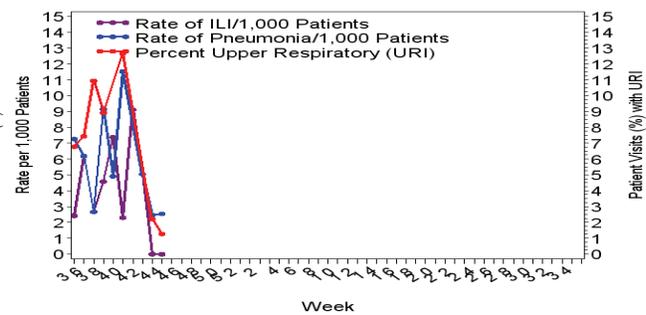
Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



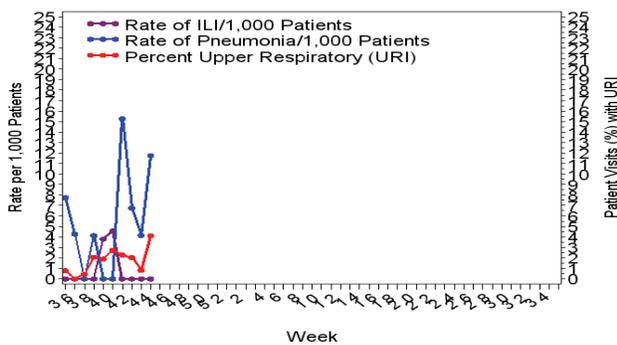
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.  
Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



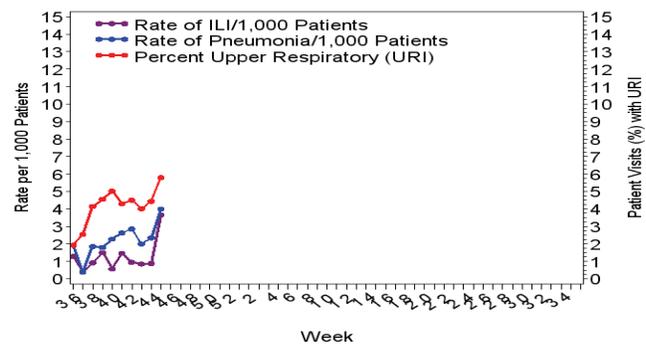
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.  
Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.  
Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013

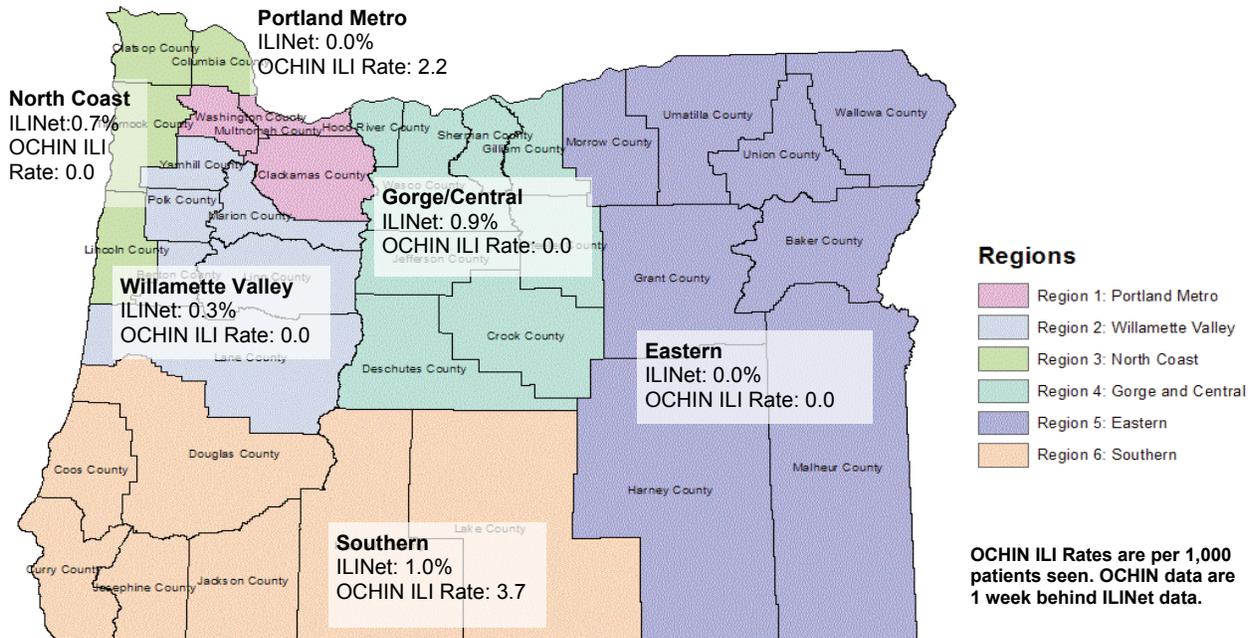


Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.  
Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance  
OCHIN 2012-2013



Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.



**Laboratory surveillance:** No specimens tested positive for influenza at Oregon State Public Health Laboratory (OSPHL) for week 45.

**Hospitalizations:** No hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during week 45, a cumulative total of 4 hospitalizations have been reported this season.

**Outbreaks:** No ILI or influenza outbreaks were reported in Oregon for week 45.

**National Data:**

**Viral Surveillance:** Of 4,147 specimens tested and reported by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories during week 45, 311 (7.5%) were positive for influenza.

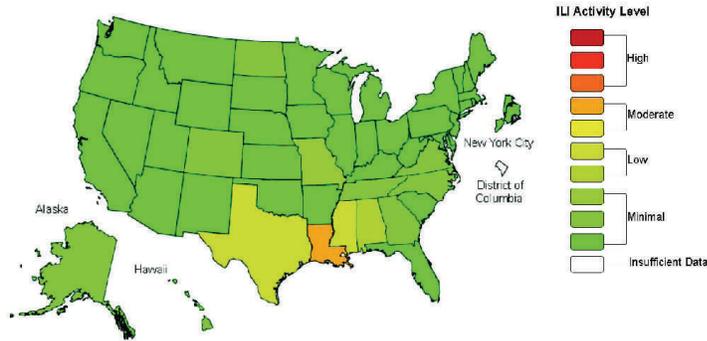
**Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was slightly below the epidemic threshold.

**Influenza-associated Pediatric Deaths:** No influenza-associated pediatric deaths were reported.

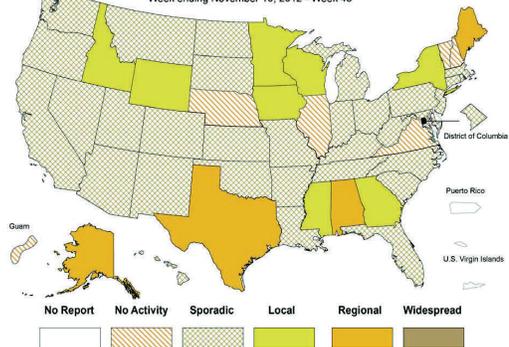
**Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.4%, which is below the national baseline of 2.2%. All 10 regions reported ILI below region-specific baseline levels. One state experienced moderate ILI activity, three states experienced low ILI activity; New York City and 46 states experienced minimal ILI activity, and the District of Columbia had insufficient data.

**Geographic Spread of Influenza:** The geographic spread of influenza in 4 states was reported as regional; 8 states reported local activity; the District of Columbia and 32 states reported sporadic activity; Guam and 5 states reported no influenza activity, and Puerto Rico, the U.S. Virgin Islands, and 1 state did not report.

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet  
2012-13 Influenza Season Week 45 ending Nov 10, 2012**



**Weekly Influenza Activity Estimates Reported  
by State & Territorial Epidemiologists\*  
Week ending November 10, 2012 - Week 45**



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

**Map above Right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

**Additional resources:**

- For additional information on influenza testing guidelines for the 2012-2013 season, go to: <http://healthoregon.org/fludata> and select 'Influenza Testing'.
- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- Please link here for the *most recent evaluation* of commercially available rapid influenza diagnostic tests: <http://www.cdc.gov/mmwr/pdf/wk/mm6143.pdf>

## Current Week's Data at a Glance: November 11 - 17, 2012 (Week 46)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Minimal</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Sporadic</b>
<b>Percent of outpatient visits for ILI</b>	<b>0.15%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>1</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>2</b>
<b>Reported ILI outbreaks</b>	<b>0</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>3%</b>

<sup>1</sup>Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

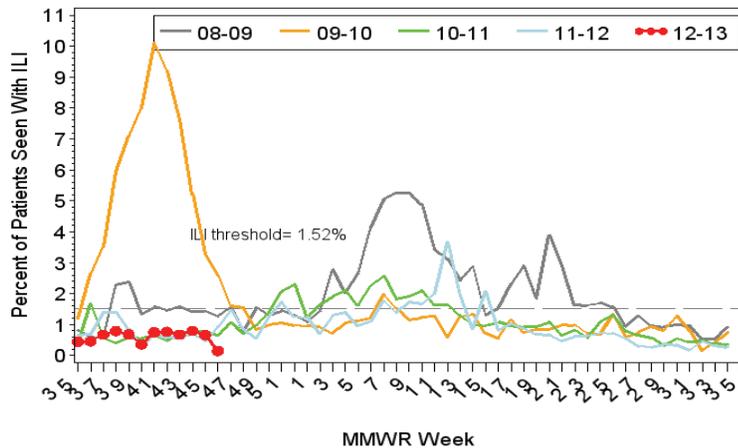
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

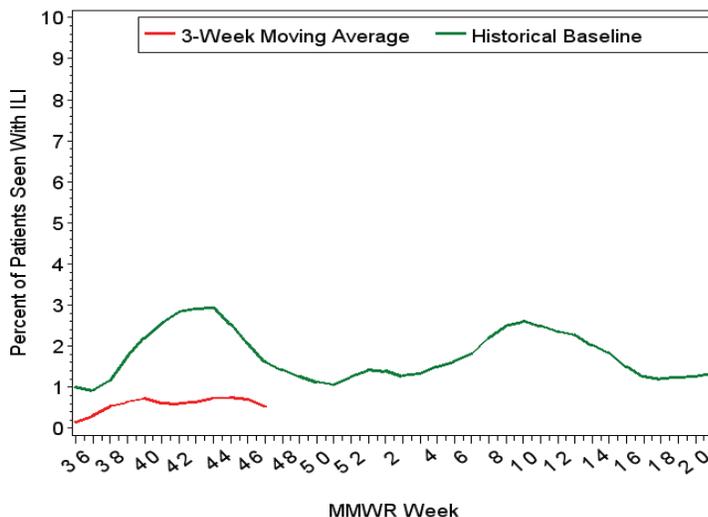
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 20NOV12  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 20NOV12  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for Week 46 of 2012 was 0.15%, below Oregon's seasonal threshold of 1.52%.\***

Note: ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for %ILI was 0.54%, and is below the historical baseline.**

The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

Several Oregon counties are currently under-represented in ILI surveillance. If you would like to participate in ILINet surveillance, please contact Patricia Newman at OHA:

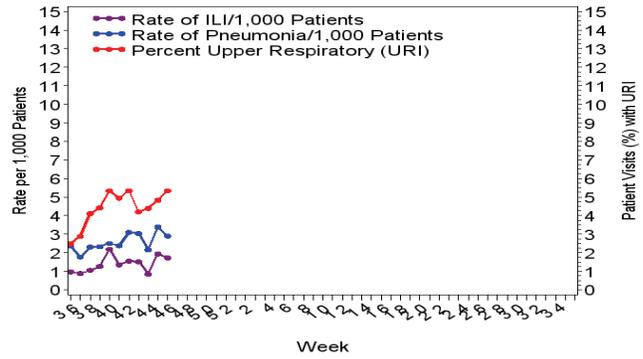
[patricia.newman@state.or.us](mailto:patricia.newman@state.or.us) or

971-673-1076

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. **The rate of ILI per 1,000 OCHIN patients was 1.7 during Week 45, 2012.**

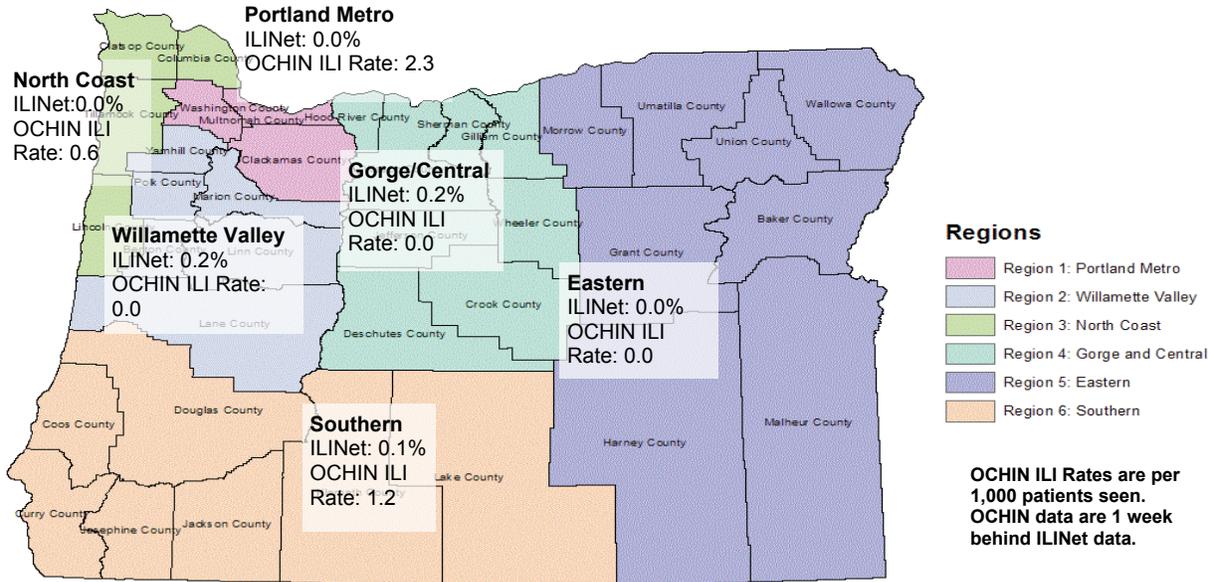
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013



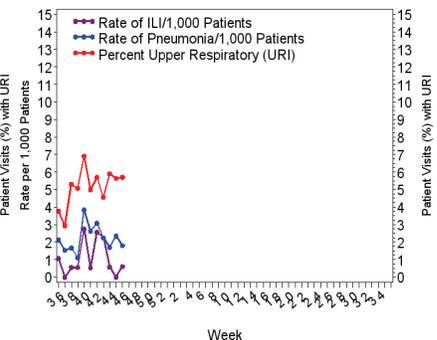
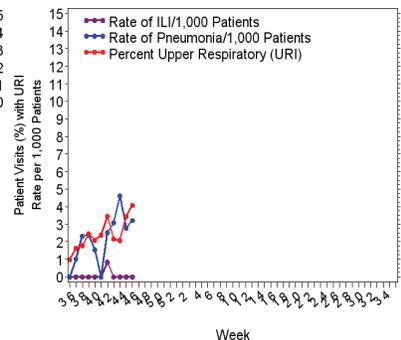
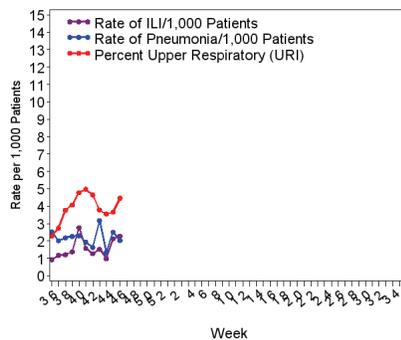
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

**ILI Activity by Region: ILINet (% ILI) and OCHIN (ILI Rate)**



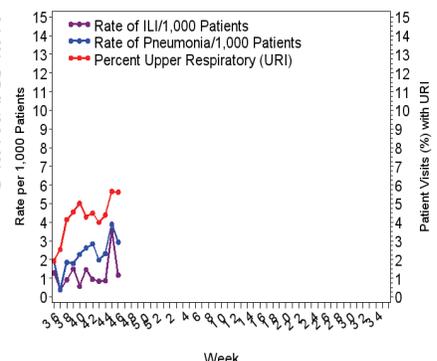
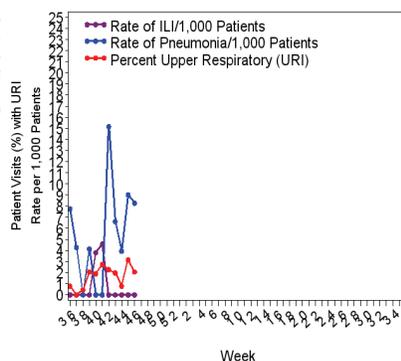
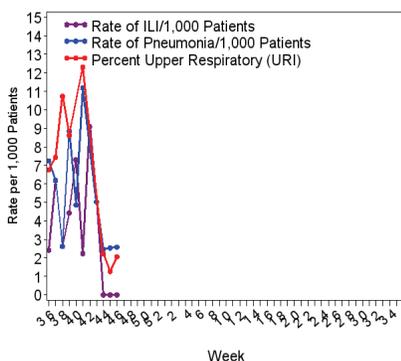
**OCHIN ILI Rates are per 1,000 patients seen. OCHIN data are 1 week behind ILINet data.**

Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes. Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes. Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

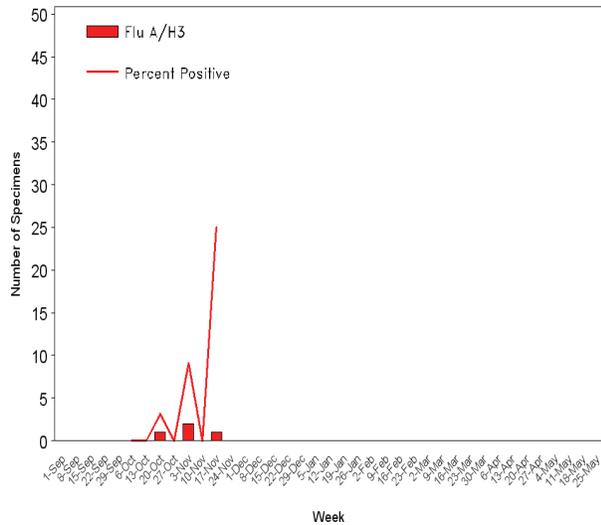
Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



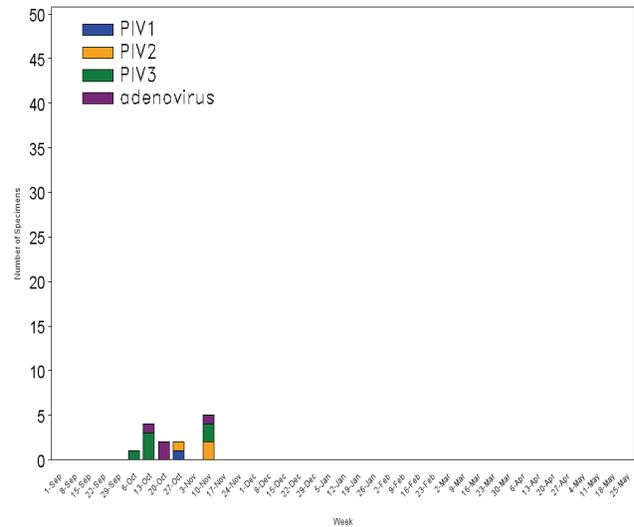
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes. Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes. Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

# Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR  
OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

**Tables 1 and 2** show the current week and cumulative totals (since Oct. 1, 2012) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

Detected Influenza Pathogen	Current Week	Cumulative
<b>Influenza A</b>	1	4
2009 pH1N1	0	0
Seasonal A H3	1	4
<b>Influenza B</b>	0	0
<b>Total Tested</b>	<b>2</b>	<b>62</b>

<sup>1</sup> Specimens where influenza not detected— other respiratory virus detection shown in Table 2. Includes PCR and culture positive labs.

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

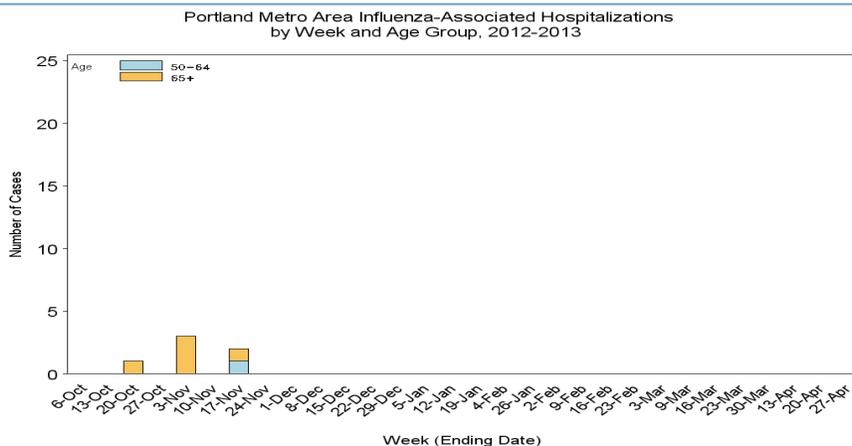
	Current Week	Cumulative
<b>Adenovirus</b>	0	3
<b>Parainfluenza type 1</b>	0	1
<b>Parainfluenza type 2</b>	0	1
<b>Parainfluenza type 3</b>	0	4
<b>Human Metapneumovirus</b>	0	0
<b>RSV</b>	0	0
<b>Total Tested</b>	<b>2</b>	<b>62</b>

\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

## Tri-County Influenza

### Hospitalizations:

Two hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during week 46. A cumulative total of 6 hospitalizations have been reported this season.



### National Data:

**Viral Surveillance:** Of 3,742 specimens tested and reported by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories during week 46, 494 (13.2%) were positive for influenza.

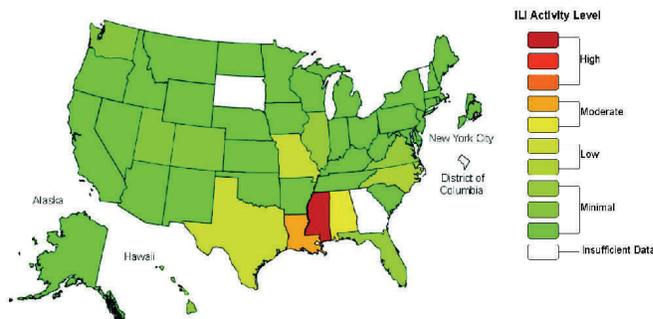
**Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was slightly below the epidemic threshold.

**Influenza-associated Pediatric Deaths:** One influenza A(H3)-associated pediatric death was reported.

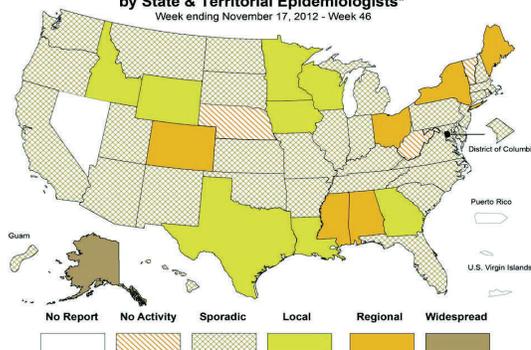
**Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.6%, which is below the national baseline of 2.2%. All 10 regions reported ILI below region-specific baseline levels. One state experienced high ILI activity, two states experienced moderate ILI activity; New York City and 41 states experienced minimal ILI activity, and the District of Columbia and 3 states had insufficient data.

**Geographic Spread of Influenza:** The geographic spread of influenza in 1 state was reported as widespread; 6 states reported regional activity; the District of Columbia, Guam, and 31 states reported sporadic activity; 3 states reported no influenza activity, and Puerto Rico, the U.S. Virgin Islands, and 1 state did not report.

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet**  
2012-13 Influenza Season Week 46 ending Nov 17, 2012



**Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\***  
Week ending November 17, 2012 - Week 46



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

**Map above Right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

### Additional resources:

- For additional information on influenza testing guidelines for the 2012-2013 season, go to: <http://healthoregon.org/fludata> and select 'Influenza Testing'
- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- Please link here for the *most recent evaluation* of commercially available rapid influenza diagnostic tests: <http://www.cdc.gov/mmwr/pdf/wk/mm6143.pdf>

## Current Week's Data at a Glance: November 18-24, 2012 (Week 47)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Minimal</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Local</b>
<b>Percent of outpatient visits for ILI</b>	<b>0.4%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>1</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>2</b>
<b>Reported ILI outbreaks</b>	<b>0</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>8%</b>

<sup>1</sup>Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

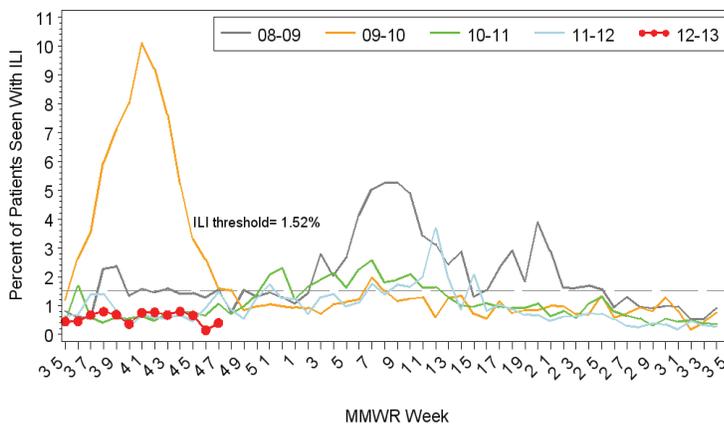
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

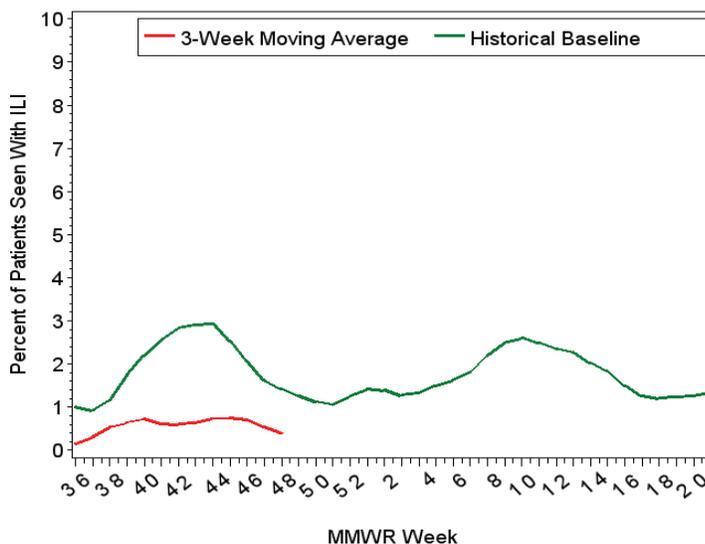
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 30NOV12  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 30NOV12  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for Week 47 of 2012 was 0.4%, below Oregon's seasonal threshold of 1.52%.\***

*Note:* ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for %ILI was 0.4%, and is below the historical baseline.**

The 3-week moving average does not show actual weekly %ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

Several Oregon counties are currently under-represented in ILI surveillance. If you would like to participate in ILINet surveillance, please contact Patricia Newman at OHA:

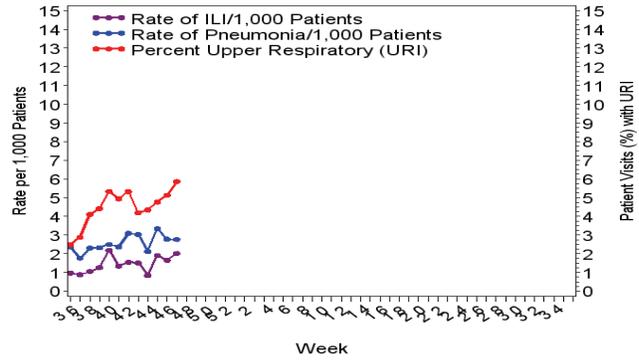
[patricia.newman@state.or.us](mailto:patricia.newman@state.or.us) or

971-673-1076

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. The rate of ILI per 1,000 OCHIN patients was 2.0 during Week 46, 2012.

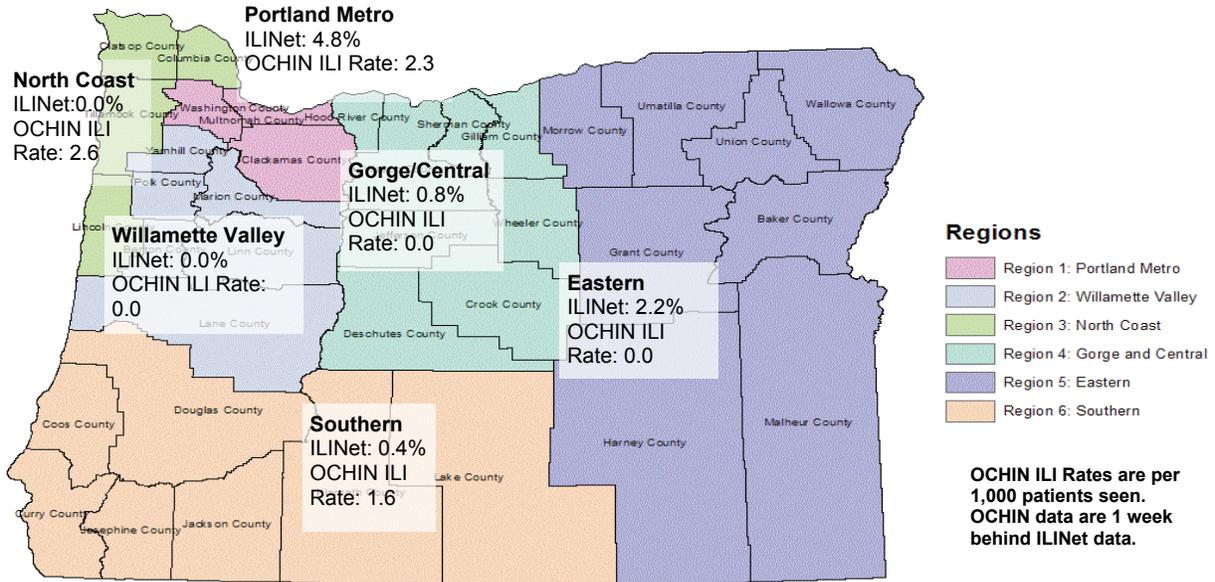
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013



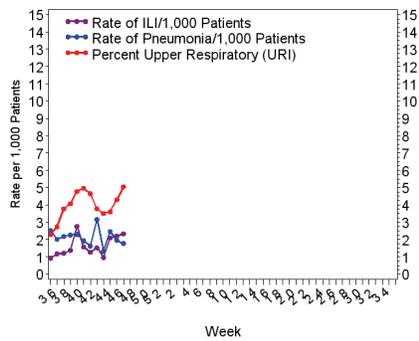
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

**ILI Activity by Region: ILINet (% ILI) and OCHIN (ILI Rate)**

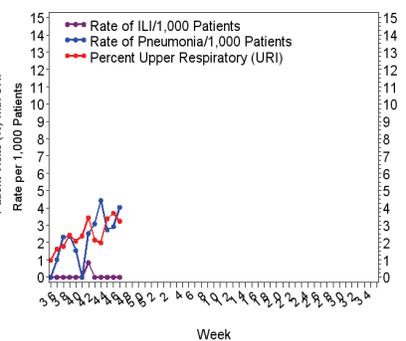


OCHIN ILI Rates are per 1,000 patients seen. OCHIN data are 1 week behind ILINet data.

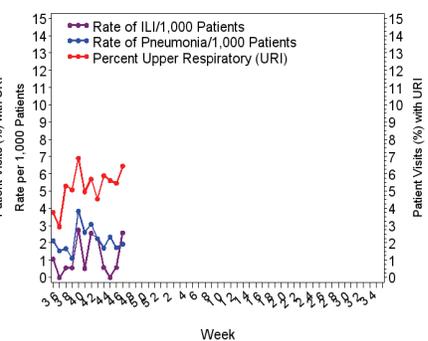
Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



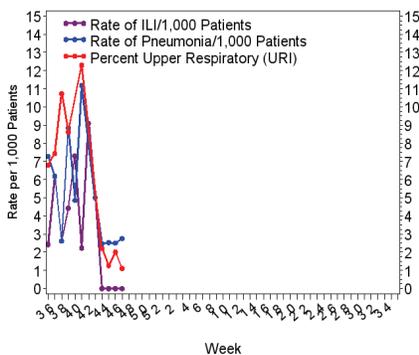
Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



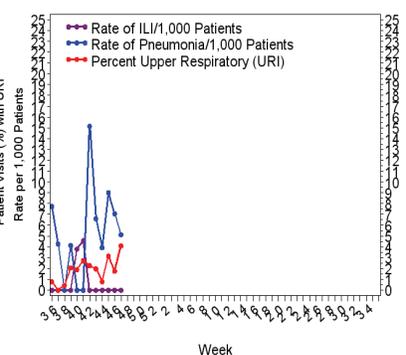
Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



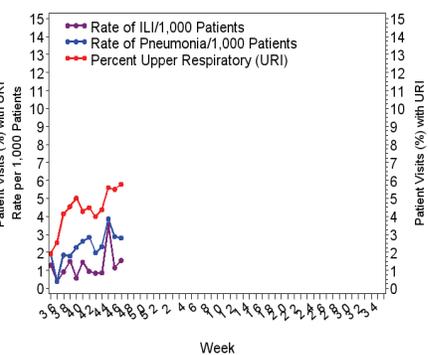
Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



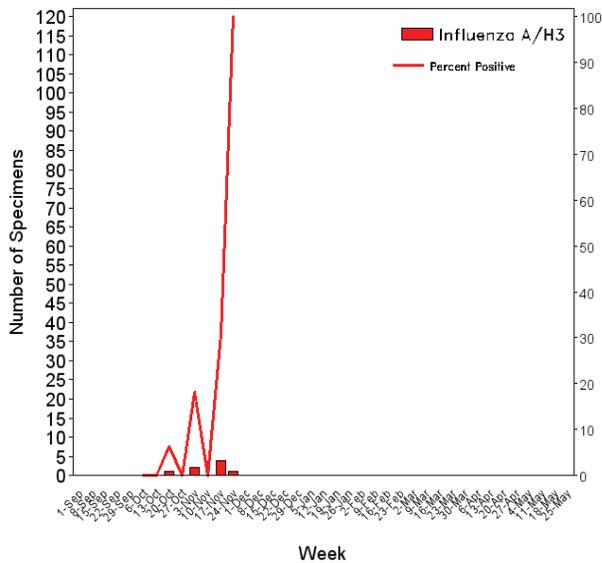
Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



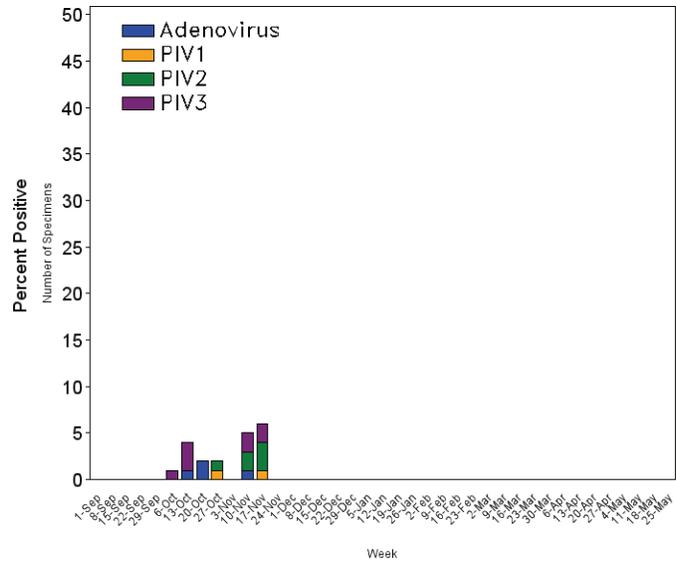
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

# Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

Tables 1 and 2 show the current week and cumulative totals (since Oct. 1, 2012) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

Detected Influenza Pathogen	Current Week	Cumulative
<b>Influenza A</b>	1	8
2009 pH1N1	0	0
Seasonal A H3	1	8
<b>Influenza B</b>	0	0
<b>Total Tested</b>	<b>1</b>	<b>87</b>

<sup>1</sup> Specimens where influenza not detected— other respiratory virus detection shown in Table 2. Includes PCR and culture positive labs.

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

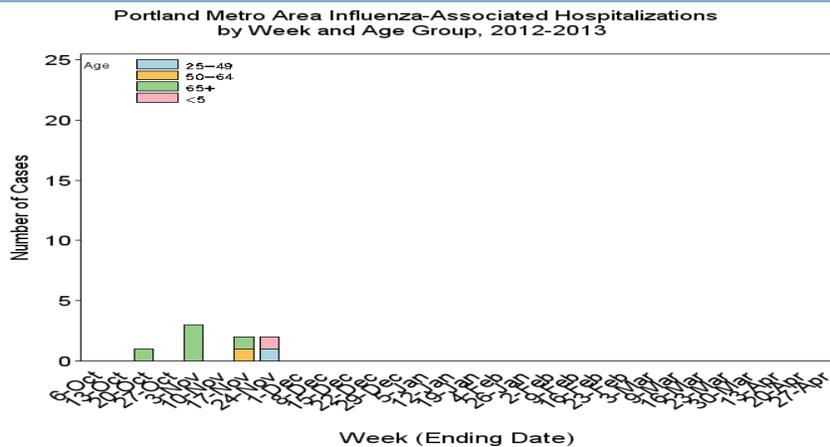
	Current Week	Cumulative
<b>Adenovirus</b>	0	4
<b>Parainfluenza type 1</b>	0	2
<b>Parainfluenza type 2</b>	0	6
<b>Parainfluenza type 3</b>	0	8
<b>Human Metapneumovirus</b>	0	0
<b>RSV</b>	0	0
<b>Total Tested</b>	<b>1</b>	<b>87</b>

\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

## Tri-County Influenza

### Hospitalizations:

Two hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 47. A cumulative total of 8 hospitalizations have been reported this season.



### National Data:

**Viral Surveillance:** Of 5,342 specimens tested and reported by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories during week 47, 812 (15.2%) were positive for influenza.

**Novel Influenza A Virus:** One human infection with a novel influenza A virus was reported.

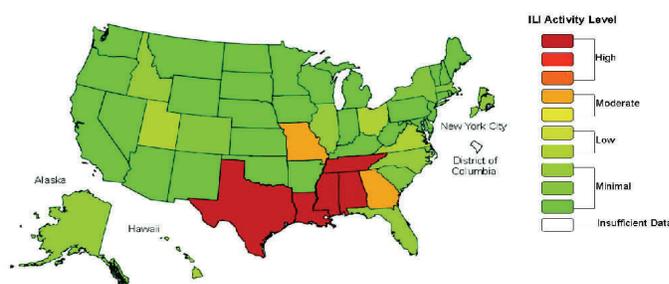
**Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza P&I) was slightly below the epidemic threshold.

**Influenza-associated Pediatric Deaths:** No influenza A(H3)-associated pediatric deaths were reported.

**Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 2.2%, which is at the national baseline of 2.2%. Five regions reported ILI above region-specific baseline levels. Five states experienced high ILI activity, two states experienced moderate ILI activity; 4 states experienced low ILI activity; New York City and 39 states experienced minimal ILI activity, and the District of Columbia had insufficient data.

**Geographic Spread of Influenza:** The geographic spread of influenza in 4 states was reported as widespread; 7 states reported regional activity; 19 states reported local activity; the District of Columbia and 18 states reported sporadic activity; Guam and 1 state reported no influenza activity, and Puerto Rico, the U.S. Virgin Islands and 1 state did not report.

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet 2012-13 Influenza Season Week 47 ending Nov 24, 2012**



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

**Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\* Week ending November 24, 2012 - Week 47**



**Map above Right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

### Additional resources:

- For additional information on influenza testing guidelines for the 2012-2013 season, go to: <http://healthoregon.org/fludata> and select 'Influenza Testing'
- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- Please link here for the *most recent evaluation* of commercially available rapid influenza diagnostic tests: <http://www.cdc.gov/mmwr/pdf/wk/mm6143.pdf>

## Current Week's Data at a Glance: November 25-December 02, 2012 (Week 48)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Minimal</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Local</b>
<b>Percent of outpatient visits for ILI</b>	<b>0.5%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>0</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>1</b>
<b>Reported ILI outbreaks</b>	<b>0</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>7%</b>

<sup>1</sup>Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

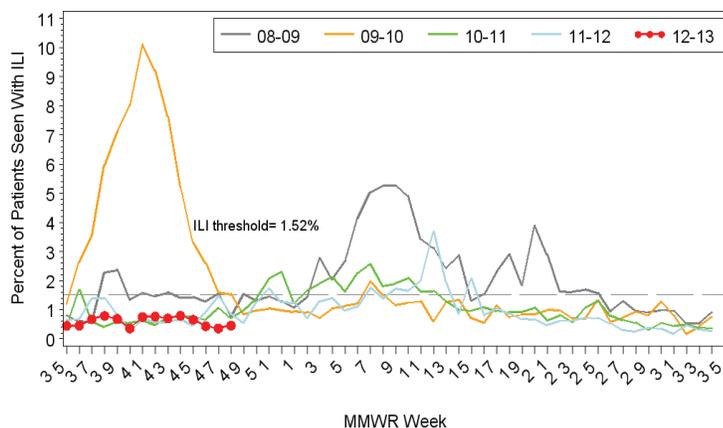
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

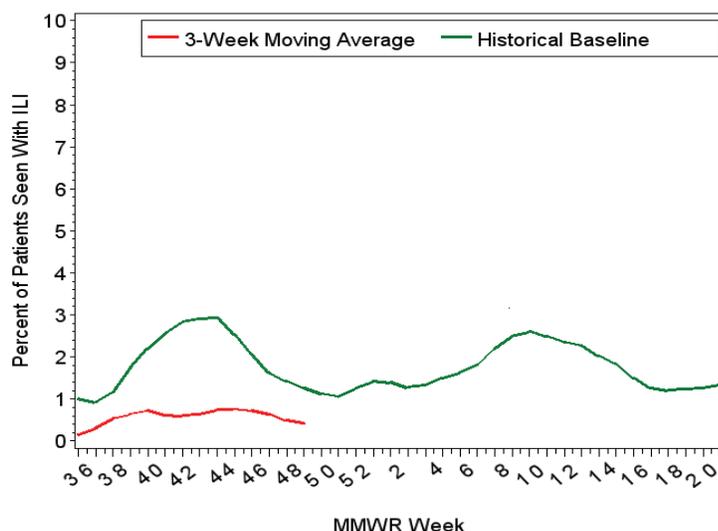
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 07DEC12  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 07DEC12  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for Week 48 of 2012 was 0.5%, below Oregon's seasonal threshold of 1.52%.\***

*Note:* ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for %ILI was 0.4%, and is below the historical baseline.**

The 3-week moving average does not show actual weekly %ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

Several Oregon counties are currently under-represented in ILI surveillance. If you would like to participate in ILINet surveillance, please contact Patricia Newman at OHA:

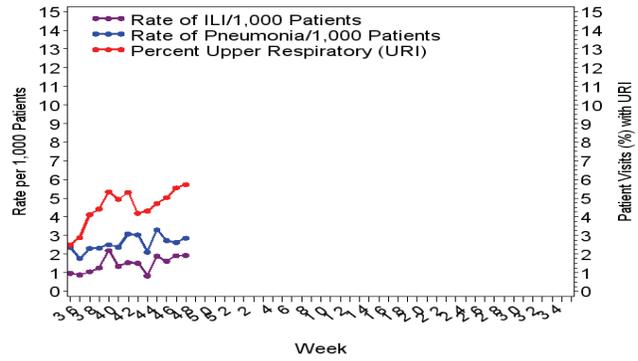
[patricia.newman@state.or.us](mailto:patricia.newman@state.or.us) or

971-673-1076

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. **The rate of ILI per 1,000 OCHIN patients was 1.9 during Week 47, 2012.**

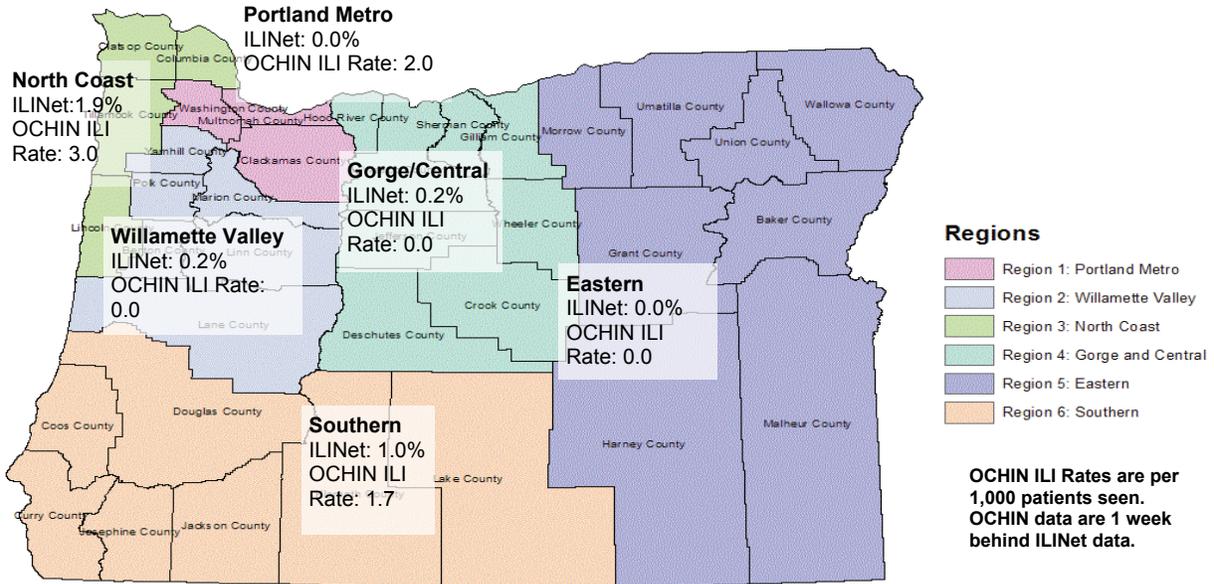
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013



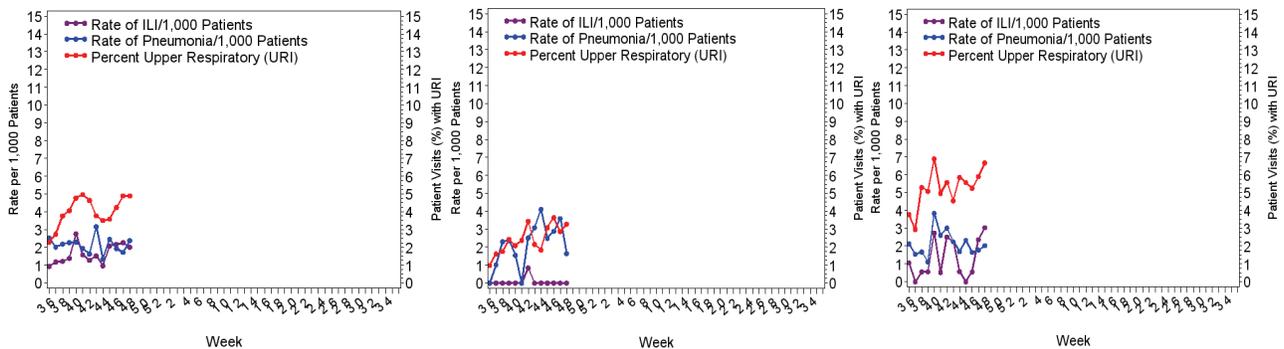
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

**ILI Activity by Region: ILINet (% ILI) and OCHIN (ILI Rate)**



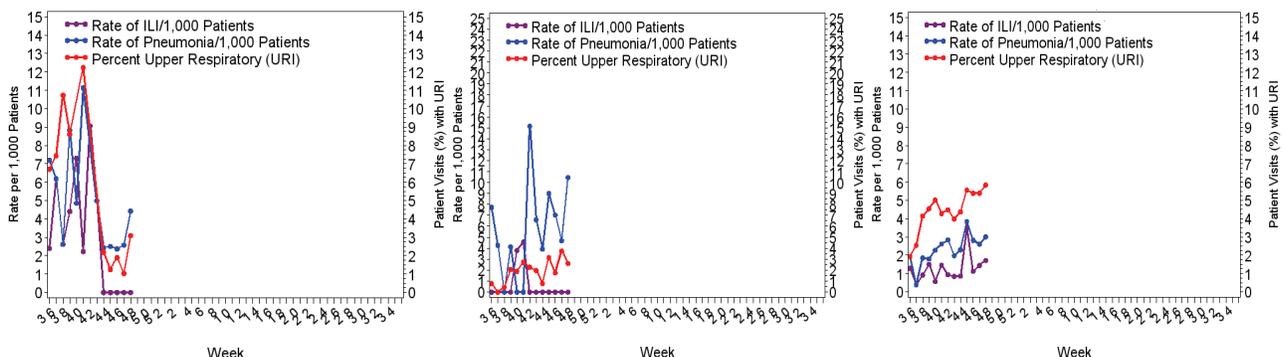
**OCHIN ILI Rates are per 1,000 patients seen. OCHIN data are 1 week behind ILINet data.**

Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes. Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes. Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

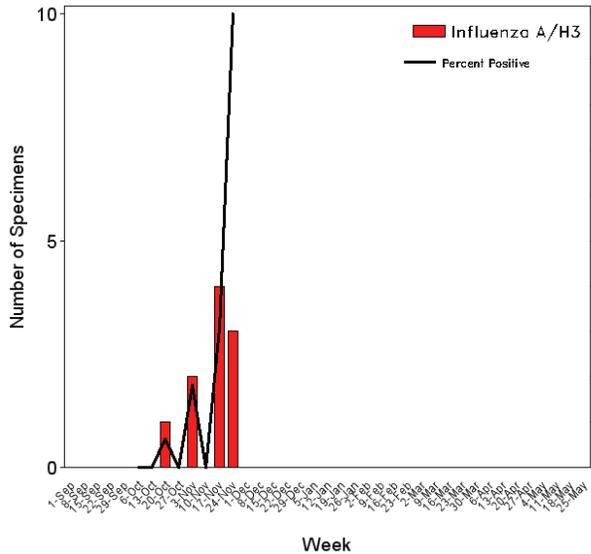
Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



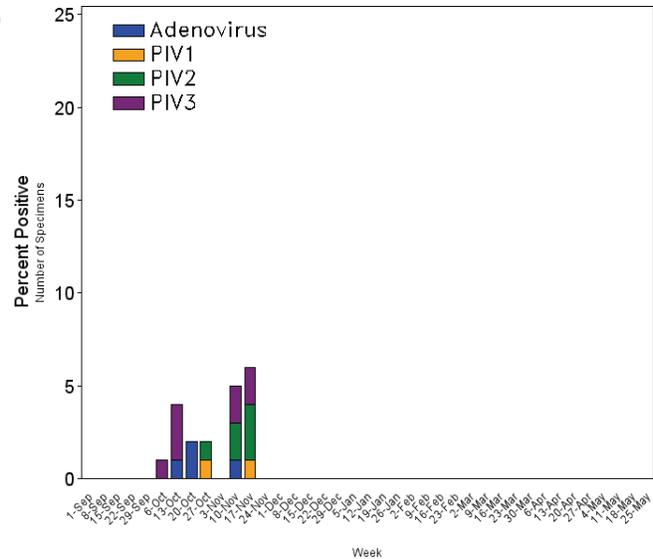
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# Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

Tables 1 and 2 show the current week and cumulative totals (since Oct. 1, 2012) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

Detected Influenza Pathogen	Current Week	Cumulative
<b>Influenza A</b>	0	10
2009 pH1N1	0	0
Seasonal A H3	0	10
<b>Influenza B</b>	0	0
<b>Total Tested</b>	<b>0</b>	<b>89</b>

<sup>1</sup> Specimens where influenza not detected— other respiratory virus detection shown in Table 2. Includes PCR and culture positive labs.

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

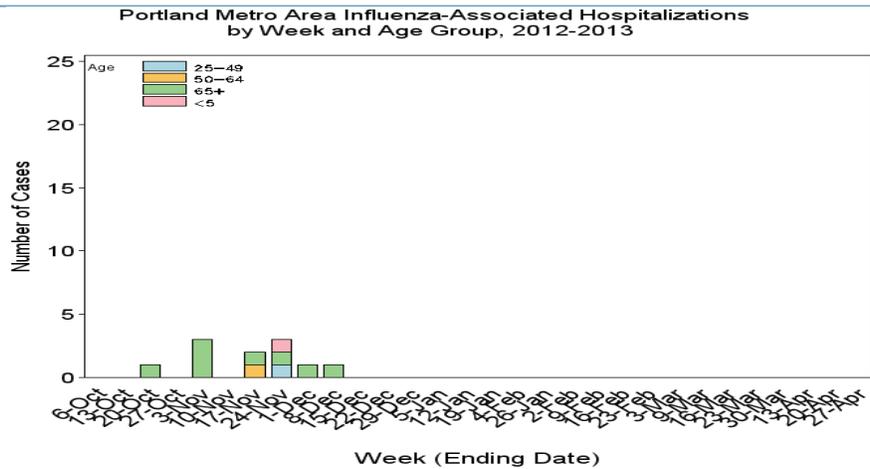
	Current Week	Cumulative
<b>Adenovirus</b>	0	4
<b>Parainfluenza type 1</b>	0	2
<b>Parainfluenza type 2</b>	0	6
<b>Parainfluenza type 3</b>	0	8
<b>Human Metapneumovirus</b>	0	0
<b>RSV</b>	0	0
<b>Total Tested</b>	<b>0</b>	<b>89</b>

\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

## Tri-County Influenza

### Hospitalizations:

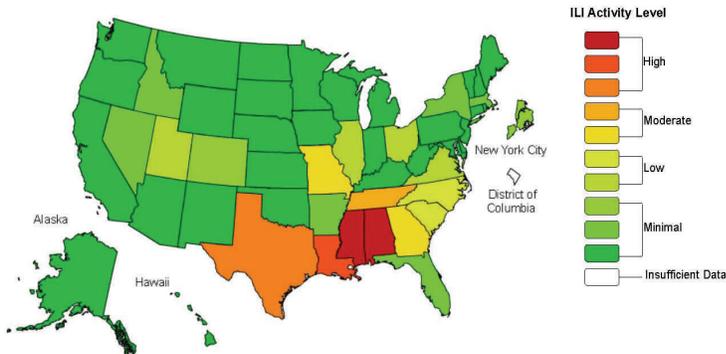
One hospitalization was reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 48. A cumulative total of 11 hospitalizations have been reported this season.



### National Data:

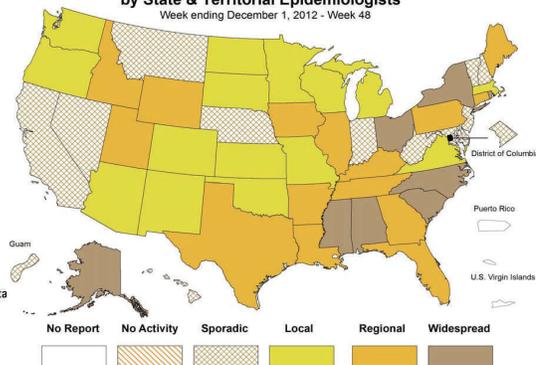
- **Viral Surveillance:** Of 5,511 specimens tested and reported by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories during week 48, 1,139 (20.7%) were positive for influenza.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.
- **Influenza-associated Pediatric Deaths:** Three influenza-associated pediatric deaths were reported. One of these deaths was associated with an influenza B virus and two were associated with influenza A viruses for which the subtype was not determined.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.9%, which is below the national baseline of 2.2%. Three regions reported ILI above region-specific baseline levels. Four states experienced high ILI activity, three states experienced moderate ILI activity; 6 states experienced low ILI activity; New York City and 37 states experienced minimal ILI activity, and the District of Columbia had insufficient data.
- **Geographic Spread of Influenza:** The geographic spread of influenza in 8 states was reported as widespread; 15 states reported regional activity; 15 states reported local activity; the District of Columbia, Guam, and 12 states reported sporadic activity, and Puerto Rico and the U.S. Virgin Islands did not report.

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet**  
2012-13 Influenza Season Week 48 ending Dec 01, 2012



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

**Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\***  
Week ending December 1, 2012 - Week 48



**Map above right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

### Additional resources:

- For additional information on influenza testing guidelines for the 2012-2013 season, go to: <http://healthoregon.org/fludata> and select 'Influenza Testing'
- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- Please link here for the *most recent evaluation* of commercially available rapid influenza diagnostic tests: <http://www.cdc.gov/mmwr/pdf/wk/mm6143.pdf>

## Current Week's Data at a Glance: December 02-08, 2012 (Week 49)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Minimal</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Local</b>
<b>Percent of outpatient visits for ILI</b>	<b>1.2%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>10</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>4</b>
<b>Reported ILI outbreaks</b>	<b>0</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>9.7%</b>

<sup>1</sup>Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

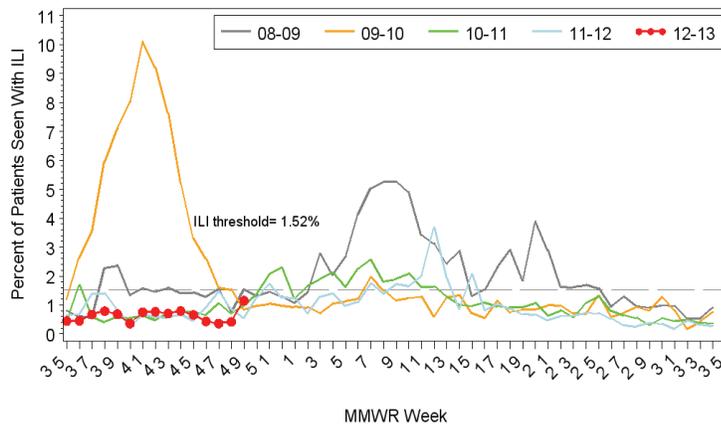
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

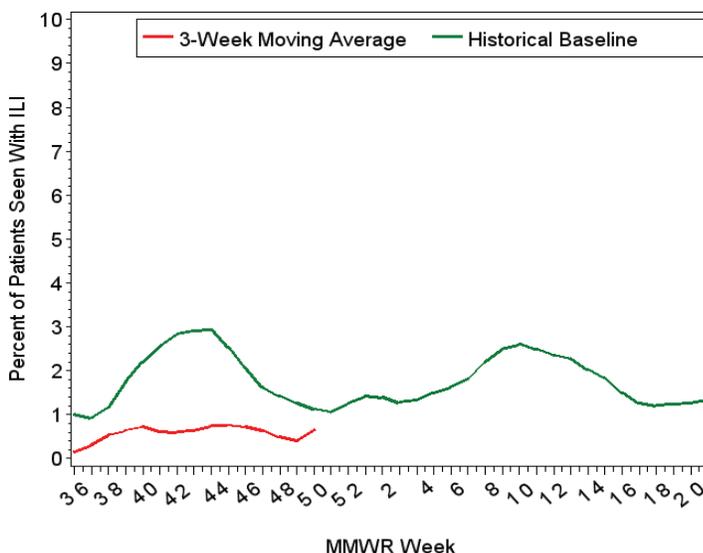
<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Health Authority, Acute and Communicable Disease Prevention 14DEC12  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.  
Oregon Health Authority, Acute and Communicable Disease Prevention 14DEC12  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for Week 49 of 2012 was 1.2%, which is just below Oregon's seasonal threshold of 1.52%.\***

*Note:* ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for %ILI was 0.7%, and is below the historical baseline.**

The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

Several Oregon counties are currently under-represented in ILI surveillance. If you would like to participate in ILINet surveillance, please contact Patricia Newman at OHA:

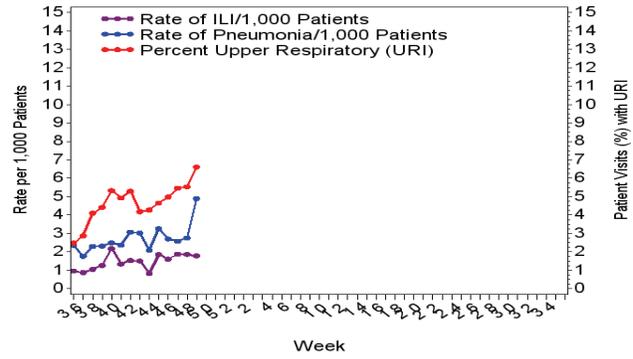
[patricia.newman@state.or.us](mailto:patricia.newman@state.or.us) or

971-673-1076

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. The rate of ILI per 1,000 OCHIN patients was 1.8 during Week 48, 2012.

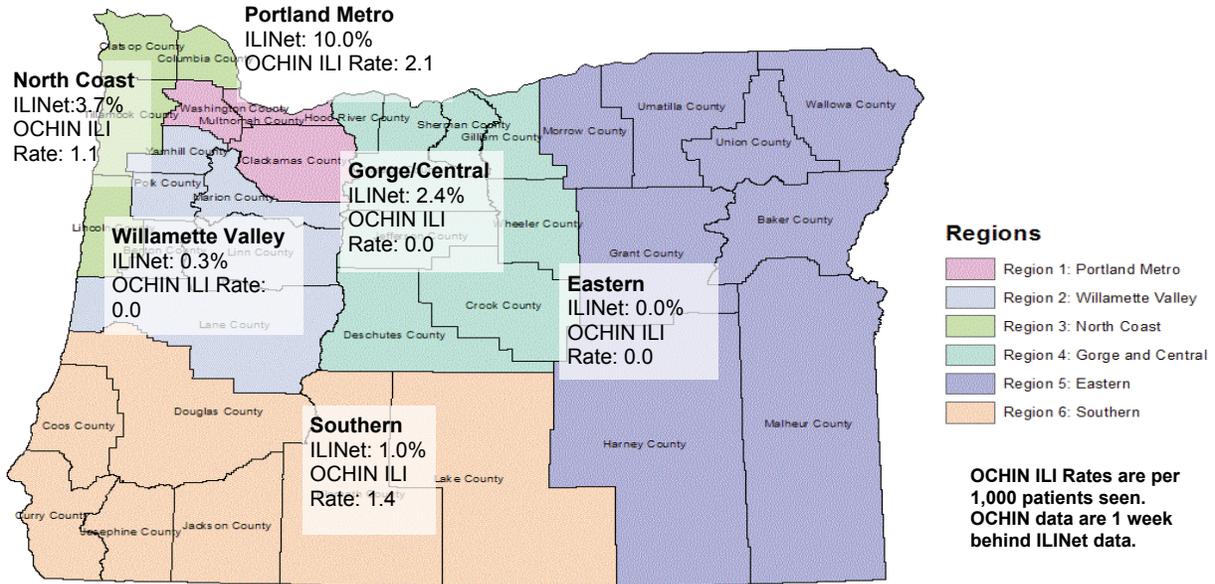
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013



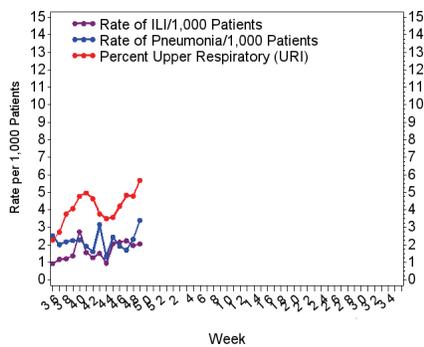
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

**ILI Activity by Region: ILINet (% ILI) and OCHIN (ILI Rate)**



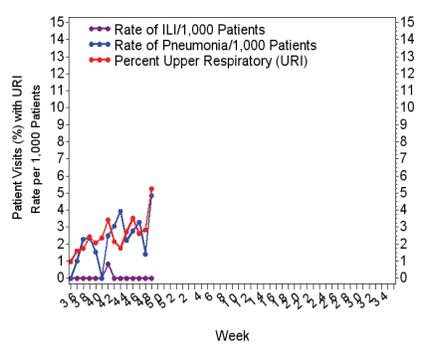
OCHIN ILI Rates are per 1,000 patients seen. OCHIN data are 1 week behind ILINet data.

Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



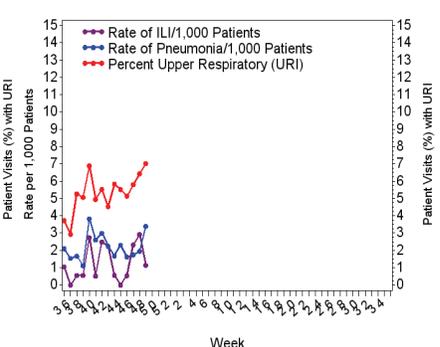
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



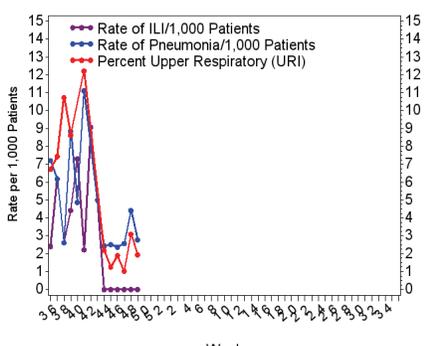
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



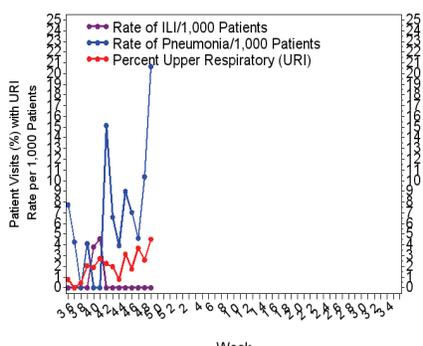
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



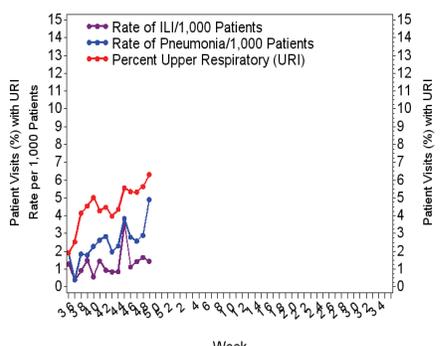
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

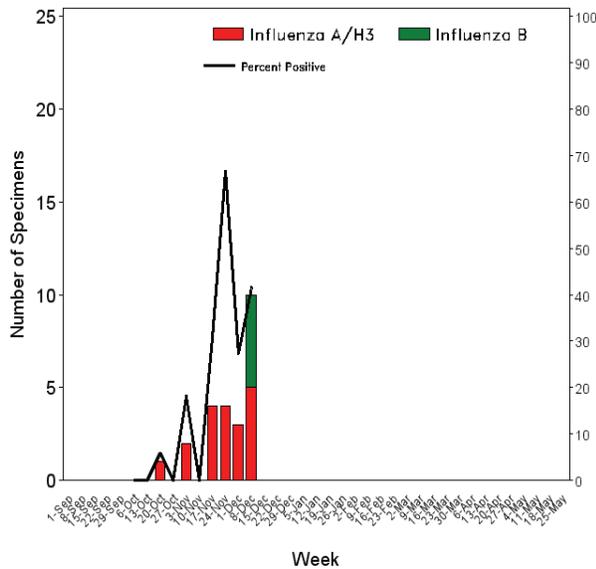
Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



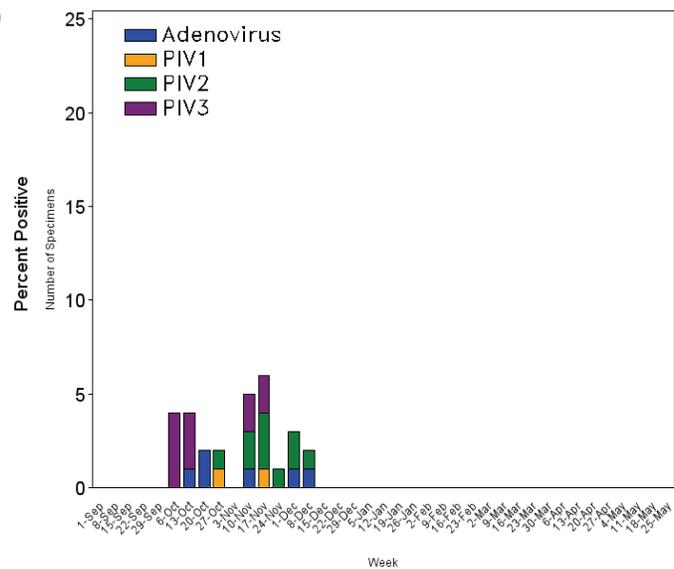
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

## Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

**Tables 1 and 2** show the current week and cumulative totals (since **Oct. 1, 2012**) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

Detected Influenza Pathogen	Current Week	Cumulative
<b>Influenza A</b>	5	19
2009 pH1N1	0	0
Seasonal A H3	5	19
<b>Influenza B</b>	5	5
<b>Total Tested</b>	<b>24</b>	<b>113</b>

<sup>1</sup> Specimens where influenza not detected— other respiratory virus detection shown in Table 2. Includes PCR and culture positive labs.

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

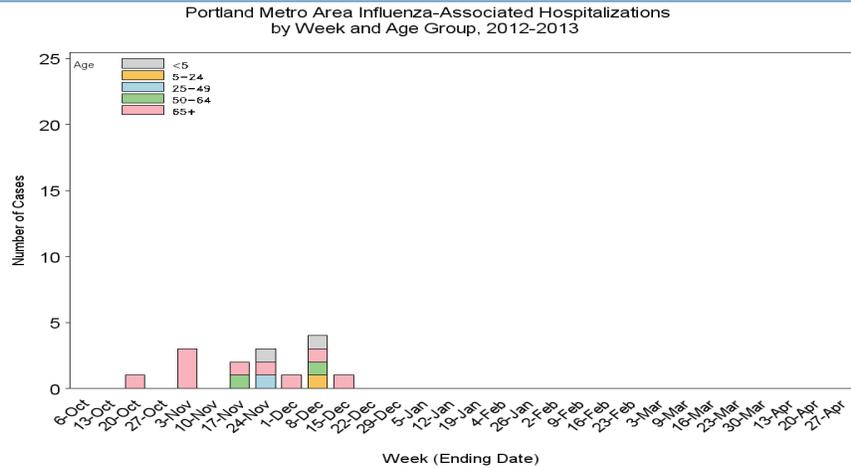
	Current Week	Cumulative
<b>Adenovirus</b>	1	6
<b>Parainfluenza type 1</b>	0	2
<b>Parainfluenza type 2</b>	1	10
<b>Parainfluenza type 3</b>	0	11
<b>Human Metapneumovirus</b>	0	0
<b>RSV</b>	0	0
<b>Total Tested</b>	<b>20</b>	<b>99</b>

\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

## Tri-County Influenza

### Hospitalizations:

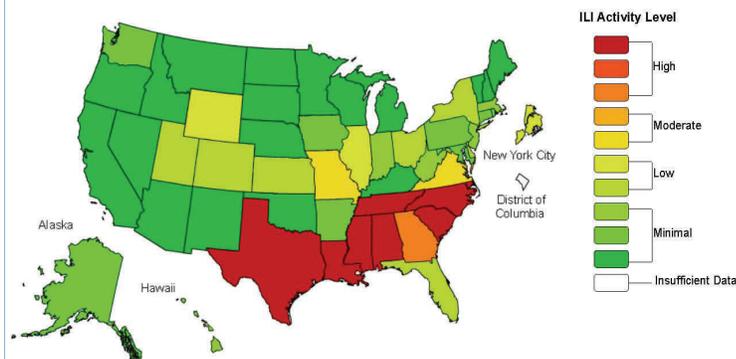
4 hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 49. A cumulative total of 15 hospitalizations have been reported this season.



### National Data:

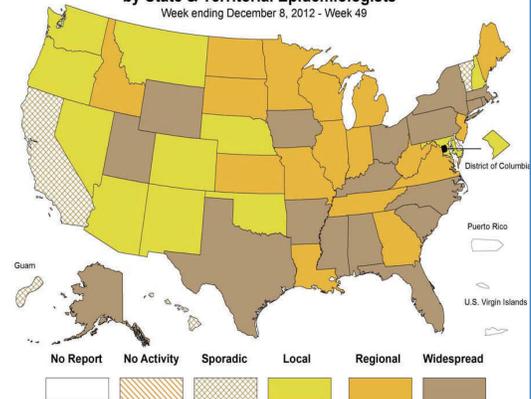
- **Viral Surveillance:** Of 7,663 specimens tested and reported by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories during week 49, 2,172 (28.3%) were positive for influenza.
- **Novel Influenza A Virus:** One human infection with a novel influenza A virus was reported.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.
- **Influenza-associated Pediatric Deaths:** One influenza-associated pediatric death was reported and was associated with an influenza B virus.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 2.8%, which is above the national baseline of 2.2%. Seven of ten regions reported ILI above region-specific baseline levels. Eight states experienced high ILI activity, 2 states experienced moderate ILI activity; New York City and 9 states experienced low ILI activity; 31 states experienced minimal ILI activity, and the District of Columbia had insufficient data.
- **Geographic Spread of Influenza:** The geographic spread of influenza in 18 states was reported as widespread; 17 states reported regional activity; the District of Columbia and 11 states reported local activity; Guam and 4 states reported sporadic activity, and Puerto Rico and the U.S. Virgin Islands did not report.

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet**  
2012-13 Influenza Season Week 49 ending Dec 08, 2012



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

**Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\***  
Week ending December 8, 2012 - Week 49



**Map above right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

### Additional resources:

- For additional information on influenza testing guidelines for the 2012-2013 season, go to: <http://healthoregon.org/fludata> and select 'Influenza Testing'
- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- Please link here for the *most recent evaluation* of commercially available rapid influenza diagnostic tests: <http://www.cdc.gov/mmwr/pdf/wk/mm6143.pdf>

## Current Week's Data at a Glance: December 16 - 22, 2012 (Week 51)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Minimal</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Local</b>
<b>Percent of outpatient visits for ILI</b>	<b>0.6%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>2</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>2</b>
<b>Reported ILI outbreaks</b>	<b>0</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>16%</b>

<sup>1</sup>Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

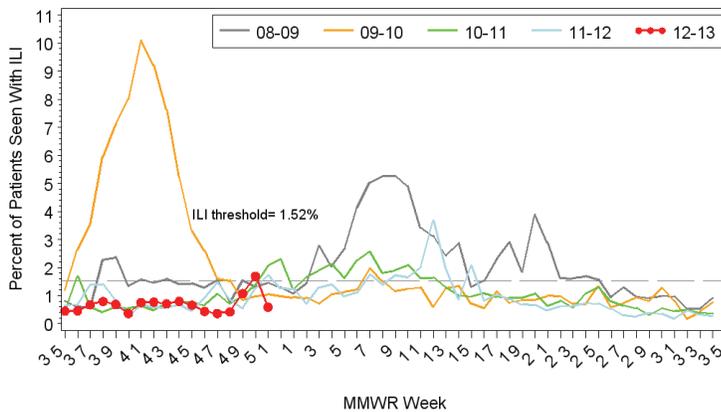
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

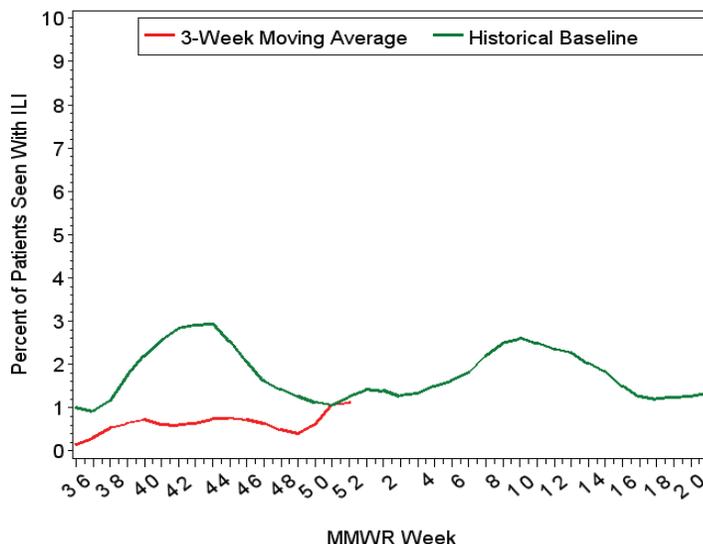
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 28DEC12  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 28DEC12  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for week 51 of 2012 was 0.6%, which is below Oregon's seasonal threshold of 1.52%.\***

*Note:* ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for %ILI in week 51 was 1.1%, below the historical baseline.**

The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

Several Oregon counties are currently under-represented in ILI surveillance. If you would like to participate in ILINet surveillance, please contact Patricia Newman at OHA:

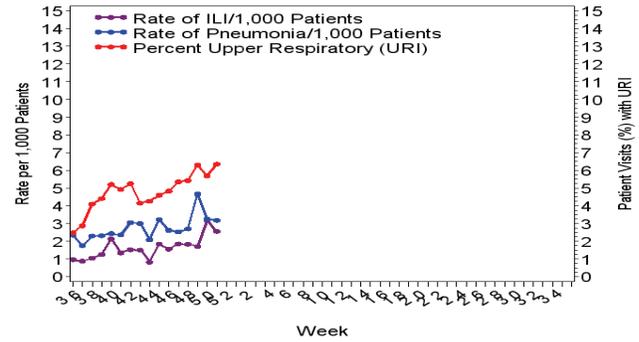
[patricia.newman@state.or.us](mailto:patricia.newman@state.or.us) or

971-673-1076

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. The rate of ILI per 1,000 OCHIN patients was 2.6 during week 50, 2012.

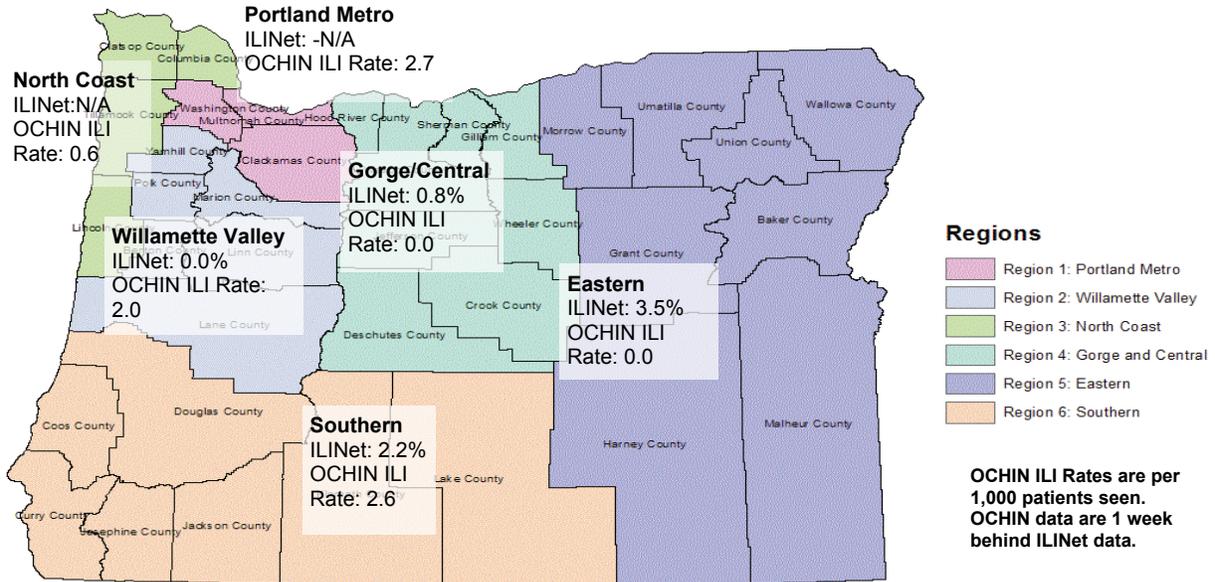
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013



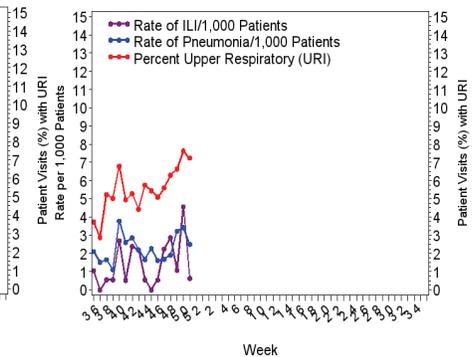
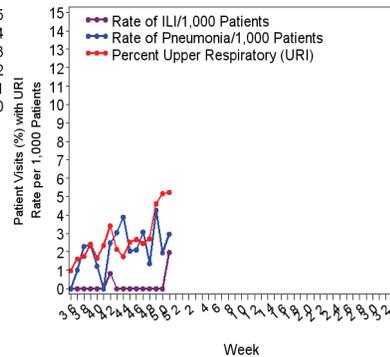
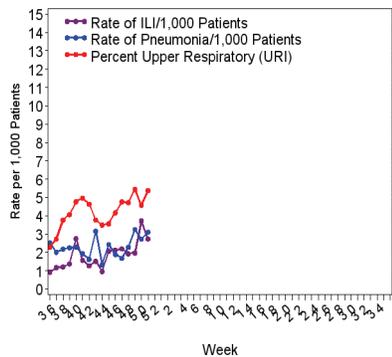
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

**ILI Activity by Region: ILINet (% ILI) and OCHIN (ILI Rate)**



OCHIN ILI Rates are per 1,000 patients seen. OCHIN data are 1 week behind ILINet data.

Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013

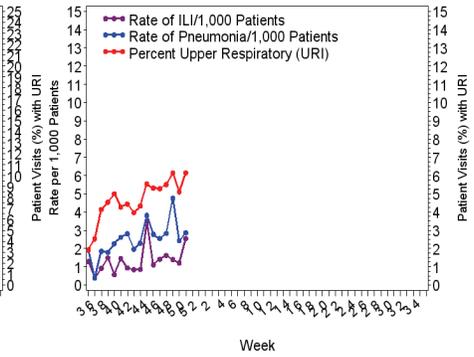
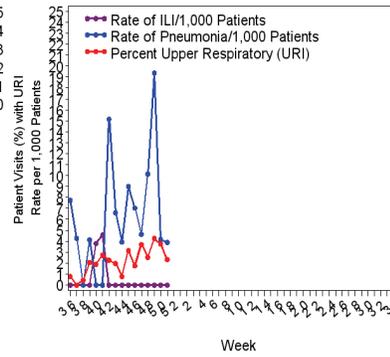
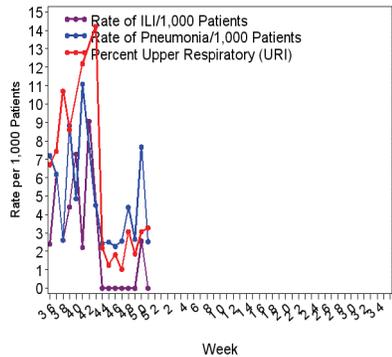


Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes. Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes. Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013

Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013

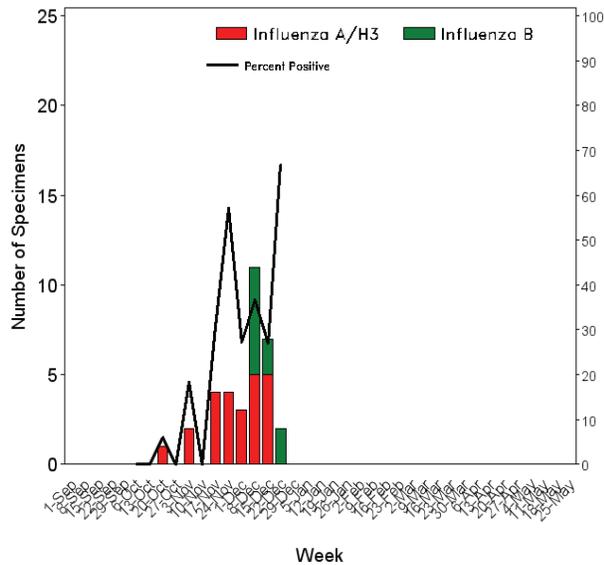
Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



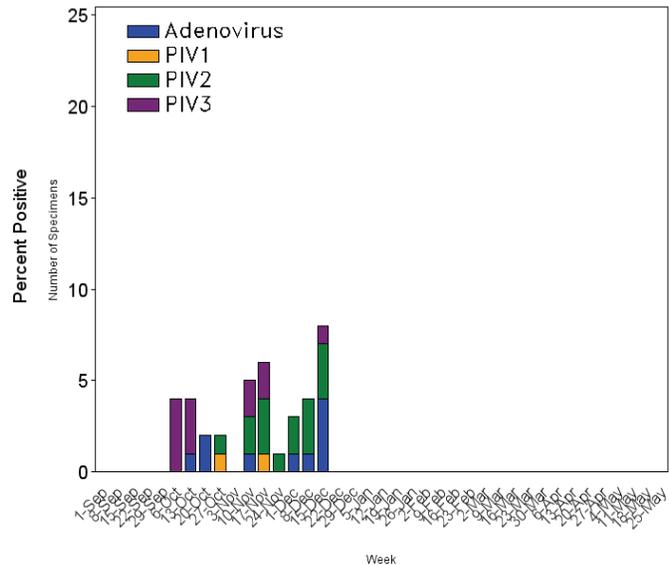
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## Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

**Tables 1 and 2** show the current week and cumulative totals (since **Oct. 1, 2012**) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

Detected Influenza Pathogen	Current Week	Cumulative
<b>Influenza A</b>	0	24
2009 pH1N1	0	0
Seasonal A H3	0	24
<b>Influenza B</b>	2	10
<b>Total Tested</b>	<b>3</b>	<b>173</b>

<sup>1</sup> Specimens where influenza not detected— other respiratory virus detection shown in Table 2. Includes PCR and culture positive labs.

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

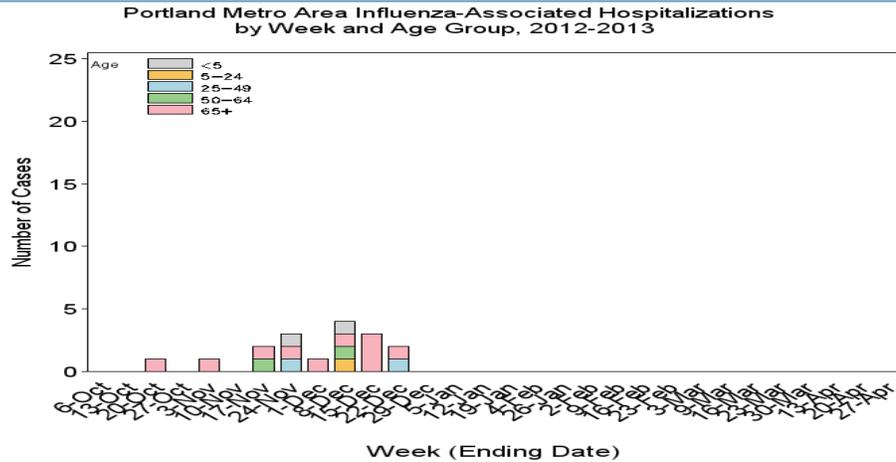
	Current Week	Cumulative
<b>Adenovirus</b>	0	10
<b>Parainfluenza type 1</b>	0	2
<b>Parainfluenza type 2</b>	0	15
<b>Parainfluenza type 3</b>	0	12
<b>Human Metapneumovirus</b>	0	0
<b>RSV</b>	0	0
<b>Total Tested</b>	<b>3</b>	<b>139</b>

\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

## Tri-County Influenza

### Hospitalizations:

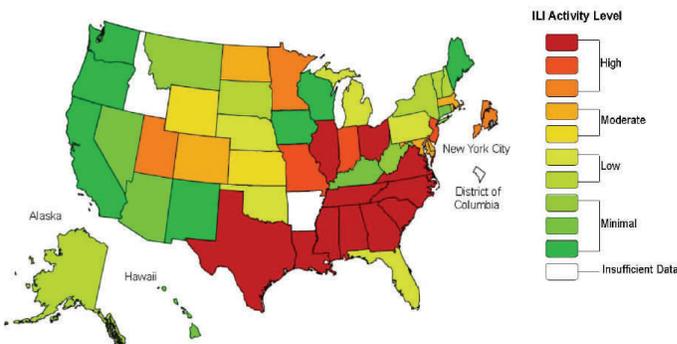
Two hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 51. A cumulative total of 17 hospitalizations have been reported this season.



### National Data:

- **Viral Surveillance:** Of 6,234 specimens tested and reported by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories in week 51, 1,846 (29.6%) were positive for influenza.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.
- **Influenza-Associated Pediatric Deaths:** Eight influenza-associated pediatric deaths were reported. Three were associated with influenza B viruses, 3 were associated with influenza A (H3) viruses, and 2 were associated with influenza A viruses for which the subtype was not determined.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 4.2%; above the national baseline of 2.2%. Nine of 10 regions reported ILI above region-specific baseline levels. New York City and 16 states experienced high ILI activity; 8 states experienced moderate ILI activity; 10 states experienced low ILI activity; 14 states experienced minimal ILI activity, and the District of Columbia and 2 states had insufficient data.
- **Geographic Spread of Influenza:** Thirty-one states reported widespread geographic influenza activity; 14 states reported regional activity; the District of Columbia and 3 states reported local activity; 2 states reported sporadic activity; Guam reported no influenza activity, and Puerto Rico and the U.S. Virgin Islands did not report.

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet**  
2012-13 Influenza Season Week 51 ending Dec 22, 2012



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

**Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\***  
Week ending December 22, 2012 - Week 51



**Map above Right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

### Additional resources:

- For additional information on influenza testing guidelines for the 2012-2013 season, go to: <http://healthoregon.org/fludata> and select 'Influenza Testing'
- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- FDA expands Tamiflu's use to treat children less than 1 year of age: <http://www.fda.gov/NewsEvents/Newsroom/PressAnnouncements/ucm333205.htm>

## Current Week's Data at a Glance: December 23 - 29, 2012 (Week 52)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Moderate</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Regional</b>
<b>Percent of outpatient visits for ILI</b>	<b>4.3%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>8</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>7</b>
<b>Reported ILI outbreaks</b>	<b>1</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>20%</b>

<sup>1</sup>Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

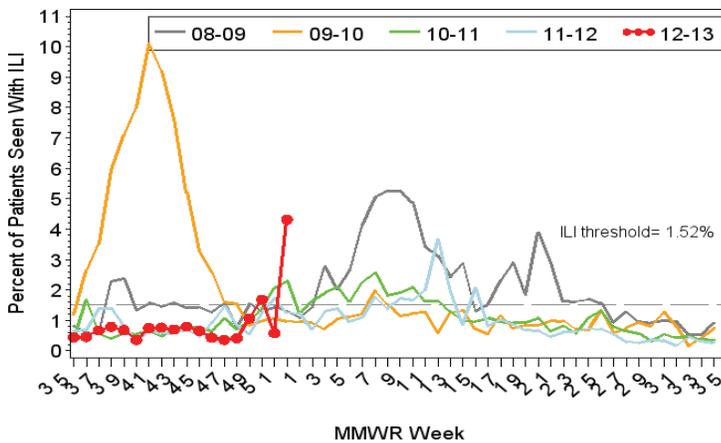
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

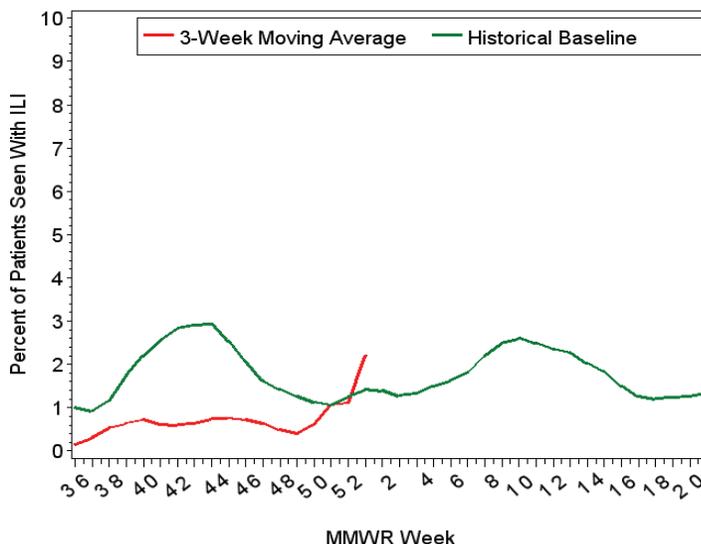
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Health Authority, Acute and Communicable Disease Prevention 04JAN13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 04JAN13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for week 52 of 2012 was 4.3%, which is above Oregon's seasonal threshold of 1.52%.\***

*Note:* ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for %ILI in week 52 was 2.2%, above the historical baseline.**

The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

Several Oregon counties are currently under-represented in ILI surveillance. If you would like to participate in ILINet surveillance, please contact Patricia Newman at OHA:

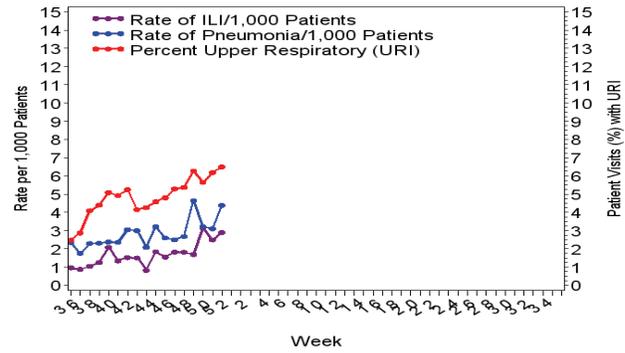
[patricia.newman@state.or.us](mailto:patricia.newman@state.or.us) or

971-673-1076

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. The rate of ILI per 1,000 OCHIN patients was 2.9 during week 51, 2012.

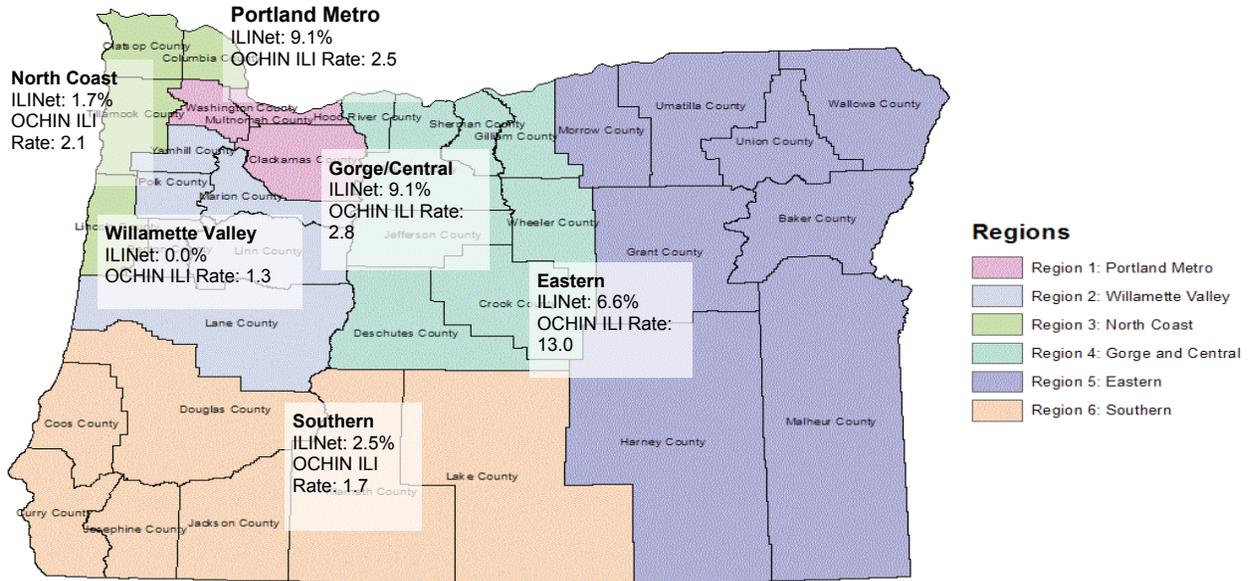
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013

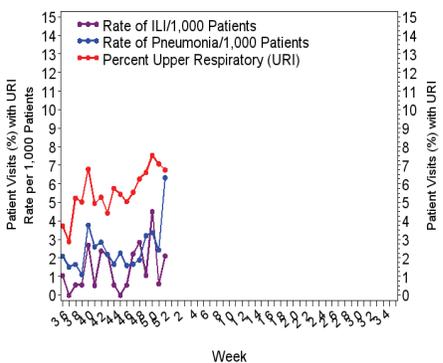
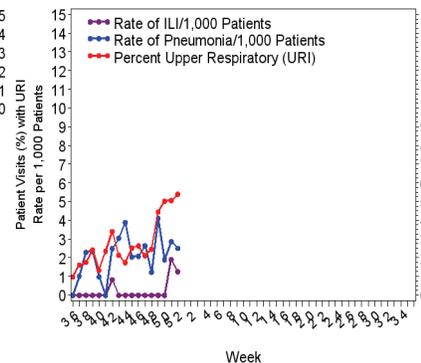
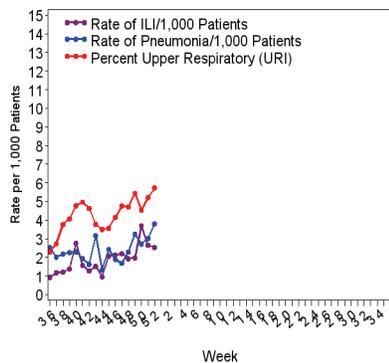


Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

**ILI Activity by Region: ILINet (% ILI) and OCHIN ILI Rate**



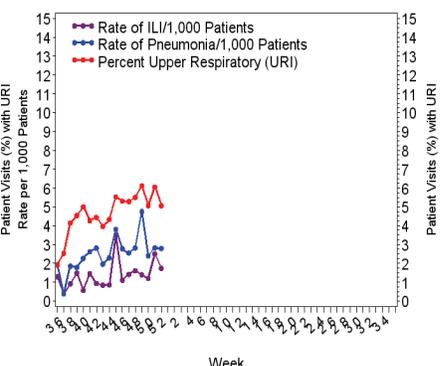
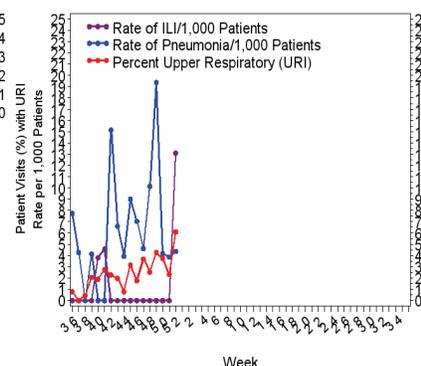
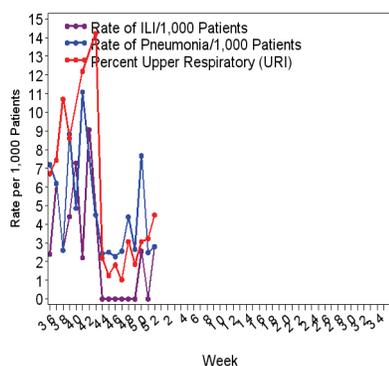
Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013

Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013

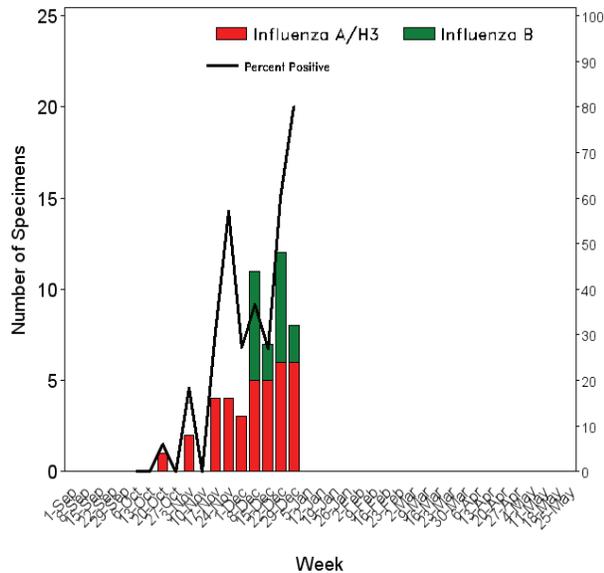
Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



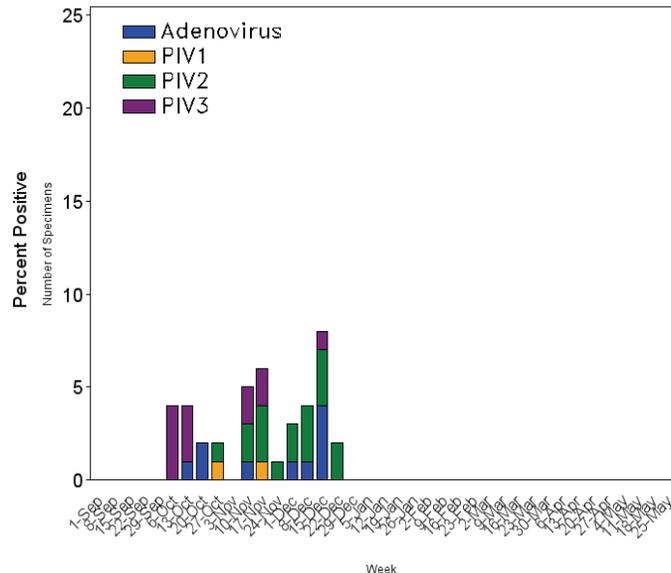
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes. Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes. Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

## Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

**Tables 1 and 2** show the current week and cumulative totals (since **Oct. 1, 2012**) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

Detected Influenza Pathogen	Current Week	Cumulative
<b>Influenza A</b>	6 (60%)	36 (18%)
2009 pH1N1	0	0
Seasonal A H3	6 (60%)	36 (18%)
<b>Influenza B</b>	2 (20%)	16 (8%)
<b>Total Tested</b>	<b>10</b>	<b>200</b>

Other respiratory virus detection shown in Table 2. Includes PCR and culture positive labs.

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

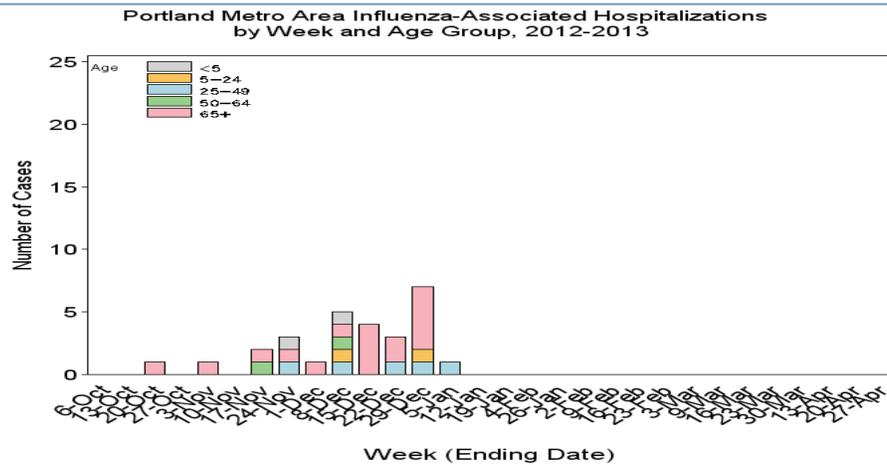
	Current Week	Cumulative
<b>Adenovirus</b>	0	10 (7%)
<b>Parainfluenza type 1</b>	0	2 (1%)
<b>Parainfluenza type 2</b>	0	17 (11%)
<b>Parainfluenza type 3</b>	0	12 (8%)
<b>Human Metapneumovirus</b>	0	0
<b>RSV</b>	0	0
<b>Total Tested</b>	<b>10</b>	<b>148</b>

\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

## Tri-County Influenza

### Hospitalizations:

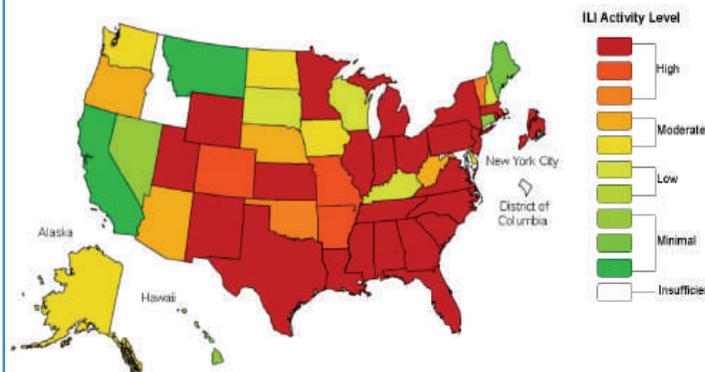
Seven hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 52. A cumulative total of 33 hospitalizations have been reported this season.



### National Data:

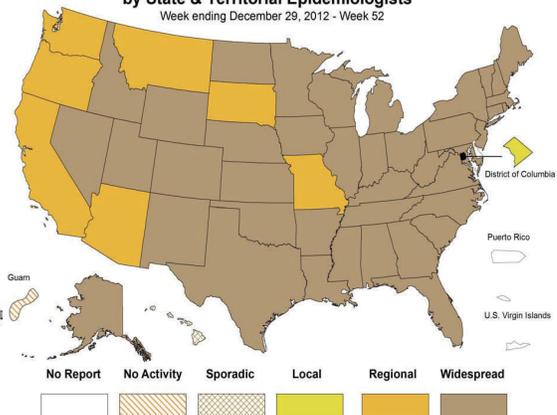
- **Viral Surveillance:** Of 9,363 specimens tested and reported by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories, 2,961 (31.6%) were positive for influenza.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.
- **Influenza-Associated Pediatric Deaths:** Two influenza-associated pediatric deaths were reported and were associated with influenza B viruses.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 5.6%; above the national baseline of 2.2%. Nine of 10 regions reported ILI above region-specific baseline levels. New York City and 29 states experienced high ILI activity; 9 states experienced moderate ILI activity; 4 states experienced low ILI activity; 6 states experienced minimal ILI activity, and the District of Columbia and 2 states had insufficient data.
- **Geographic Spread of Influenza:** Forty-one states reported widespread geographic influenza activity; 7 states reported regional activity; the District of Columbia reported local activity; 1 state reported sporadic activity; Guam reported no influenza activity, and Puerto Rico, the U.S. Virgin Islands, and 1 state did not report.

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet**  
2012-13 Influenza Season Week 52 ending Dec 29, 2012



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

**Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\***  
Week ending December 29, 2012 - Week 52



**Map above right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

### Additional resources:

- For additional information on influenza testing guidelines for the 2012-2013 season, go to: <http://healthoregon.org/fludata> and select 'Influenza Testing'
- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- FDA expands Tamiflu's use to treat children less than 1 year of age: <http://www.fda.gov/NewsEvents/Newsroom/PressAnnouncements/ucm333205.htm>

## Current Week's Data at a Glance: Dec 30, 2012—Jan 05, 2013 (Week 1)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Moderate</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Widespread</b>
<b>Percent of outpatient visits for ILI</b>	<b>2.8%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>33</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>12</b>
<b>Reported ILI outbreaks</b>	<b>2</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>23%</b>

<sup>1</sup>Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

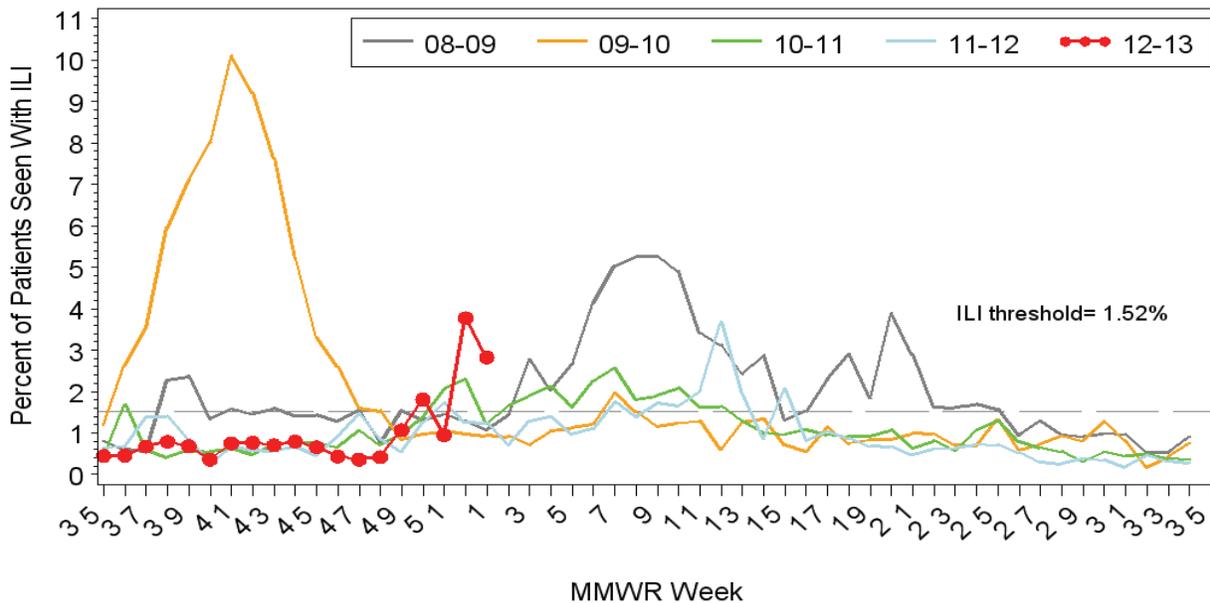
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 11JAN13  
**Percent of Outpatients with Influenza-like Illness (ILI)**  
 2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday

Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for week 01 of 2013 was 2.8%, which is above Oregon's seasonal threshold of 1.52%.\***

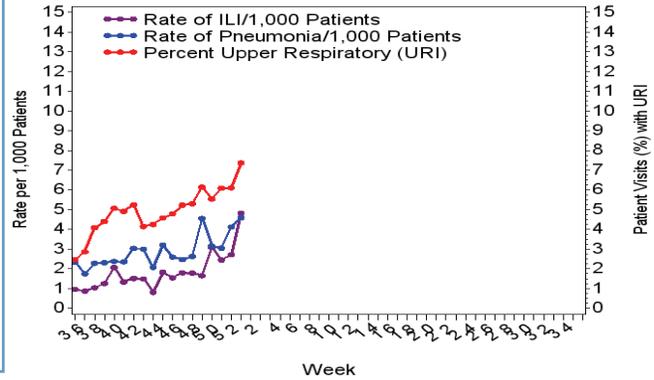
*Note:* ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

The 3-week moving average chart is not available this week.

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. The rate of ILI per 1,000 OCHIN patients was 4.8 during week 52, 2012.

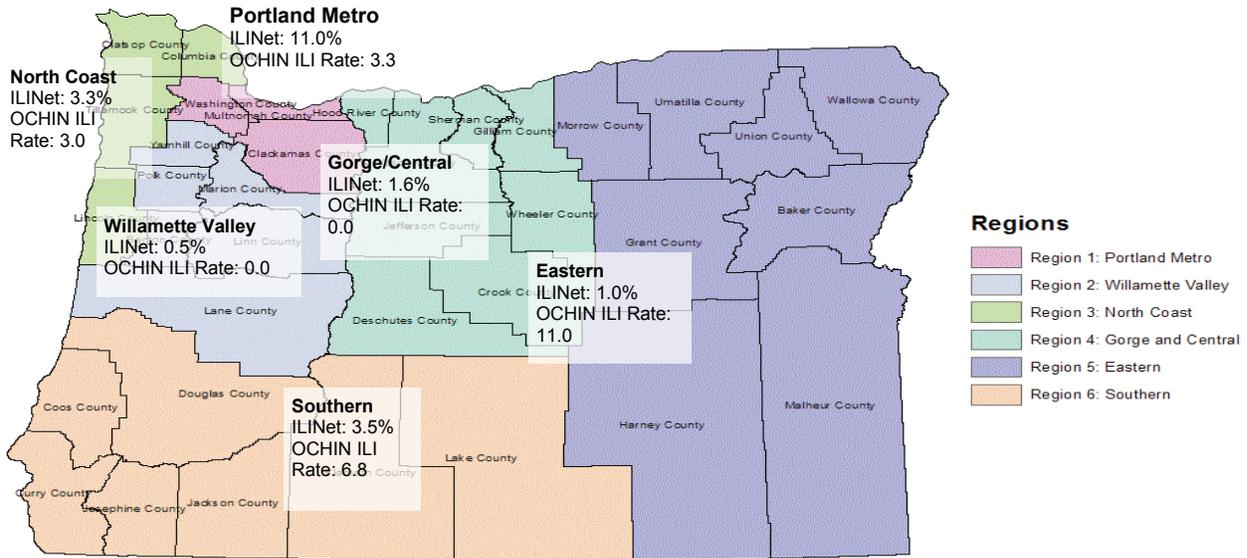
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013

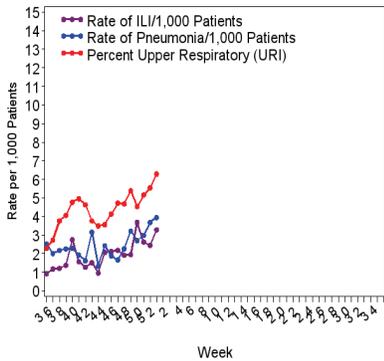


Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

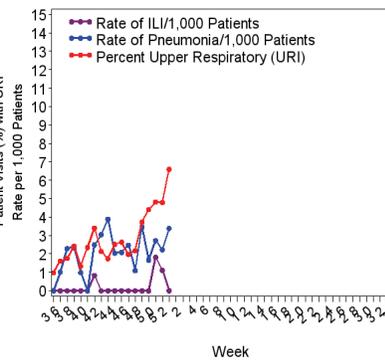
**ILI Activity by Region: ILINet (% ILI) and OCHIN ILI Rate**



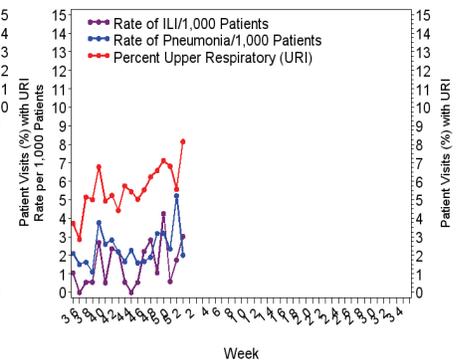
Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



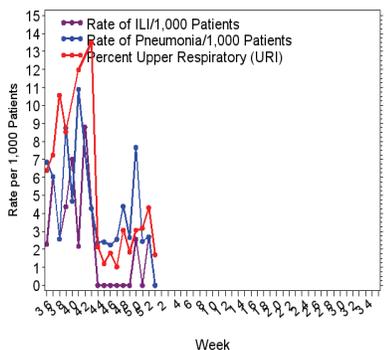
Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



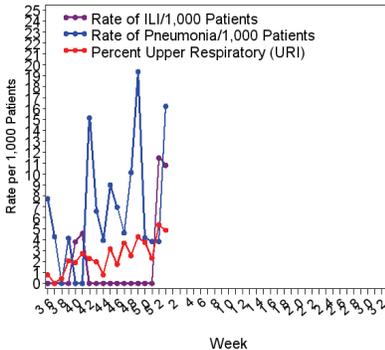
Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



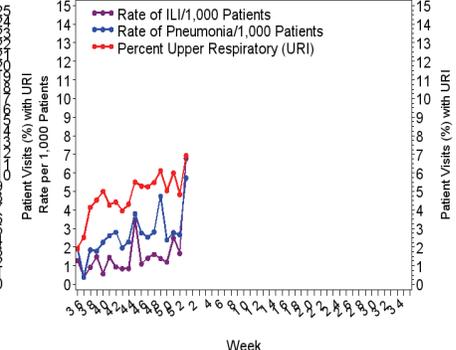
Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



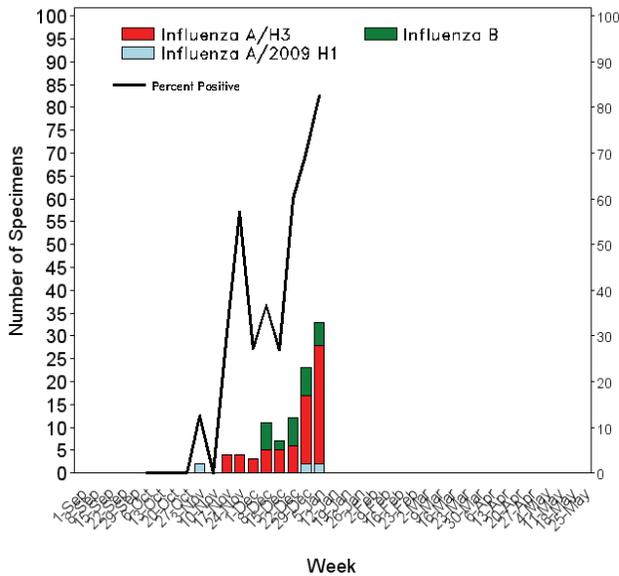
Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



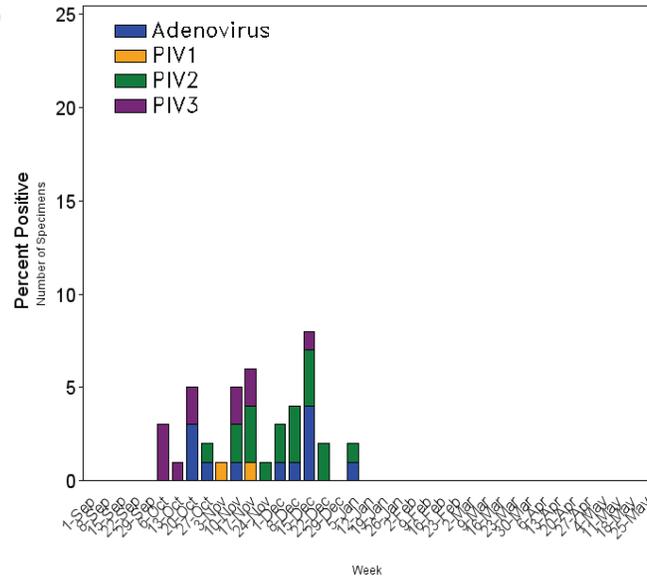
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

## Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

Tables 1 and 2 show the current week and cumulative totals (since Oct. 1, 2012) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza**

Detected Influenza Pathogen	Current Week	Cumulative
<b>Influenza A</b>	28 (70%)	74 (28%)
2009 pH1N1	2 (7%)	6 (2%)
Seasonal A H3	26 (93%)	68 (92%)
<b>Influenza B</b>	5 (12.5%)	25 (10%)
Undetected	7 (17.5%)	163 (62%)
<b>Total Tested</b>	<b>40</b>	<b>262</b>

Other respiratory virus detection shown in Table 2. Includes PCR and culture positive labs.

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13 .\***

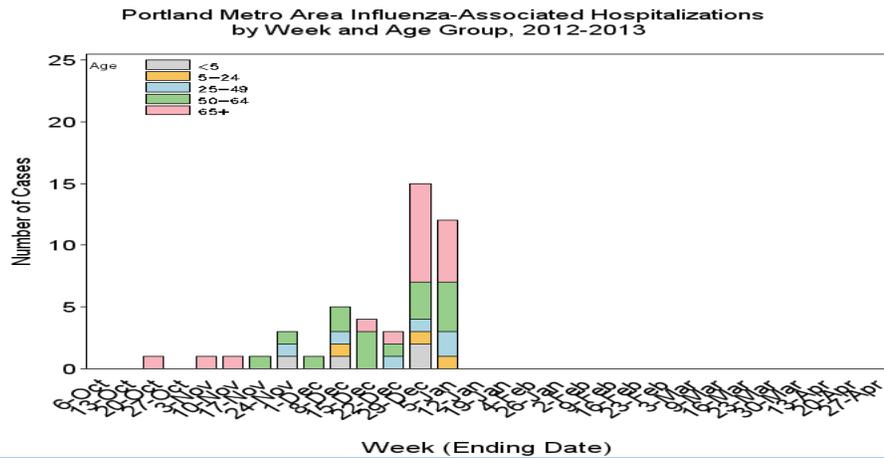
	Current Week	Cumulative
<b>Adenovirus</b>	1 (3%)	12 (7%)
<b>Parainfluenza type 1</b>	0	2 (1%)
<b>Parainfluenza type 2</b>	1(3%)	18 (11%)
<b>Parainfluenza type 3</b>	0	12 (7%)
<b>Human Metapneumovirus</b>	0	0
<b>RSV</b>	0	0
<b>Total Tested</b>	<b>30</b>	<b>163</b>

\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

## Tri-County Influenza

### Hospitalizations:

Twelve hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 01. A cumulative total of 65 hospitalizations have been reported this season.

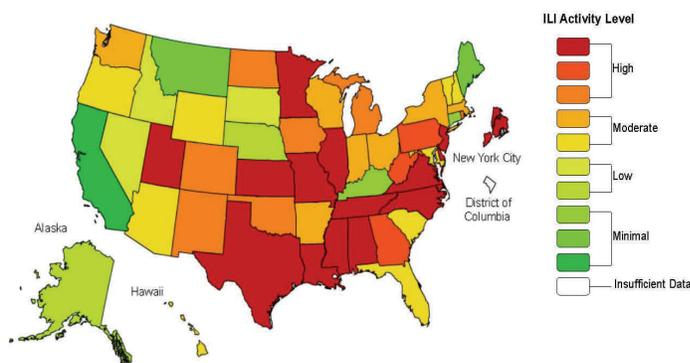


**Outbreaks:** Two ILI outbreaks were reported week 1. Between October 1, 2012, and January 5, 2013, 4 ILI outbreaks have been reported. Three have been laboratory confirmed influenza.

### National Data:

- **Viral Surveillance:** Of 12,876 specimens tested and reported by U.S. World Health Organization (WHO) and National Respiratory and Enteric Virus Surveillance System (NREVSS) collaborating laboratories, 4,222 (32.8%) were positive for influenza.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was slightly above the epidemic threshold.
- **Influenza-Associated Pediatric Deaths:** Two influenza-associated pediatric deaths were reported. One was associated with an influenza A (H3) virus and one was associated with an influenza A virus for which the subtype was not determined.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 4.3%; above the national baseline of 2.2%. Nine of 10 regions reported ILI above region-specific baseline levels. Twenty-four states and New York City experienced high ILI activity; 16 states experienced moderate ILI activity; 5 states experienced low ILI activity; 5 states experienced minimal ILI activity, and the District of Columbia had insufficient data.
- **Geographic Spread of Influenza:** Forty-seven states reported widespread geographic influenza activity; 2 states reported regional activity; the District of Columbia reported local activity; 1 state reported sporadic activity; Guam reported no influenza activity, and Puerto Rico and the U.S. Virgin Islands did not report.

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet**  
2012-13 Influenza Season Week 1 ending Jan 05, 2013



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

**Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\***  
Week ending January 5, 2013 - Week 1



**Map above right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

### Additional resources:

- For additional information on influenza testing guidelines for the 2012-2013 season, go to: <http://healthoregon.org/fludata> and select 'Influenza Testing'
- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- Current MMWR on flu vaccine effectiveness: <http://www.cdc.gov/mmwr/>

## Current Week's Data at a Glance: Jan 06-12, 2013 (Week 02)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Moderate</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Widespread</b>
<b>Percent of outpatient visits for ILI</b>	<b>2.5%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>41</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>34</b>
<b>Reported ILI outbreaks</b>	<b>5</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>22%</b>

<sup>1</sup>Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

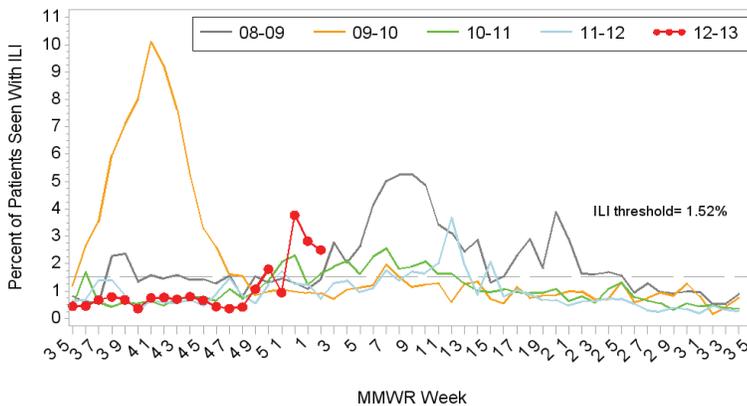
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

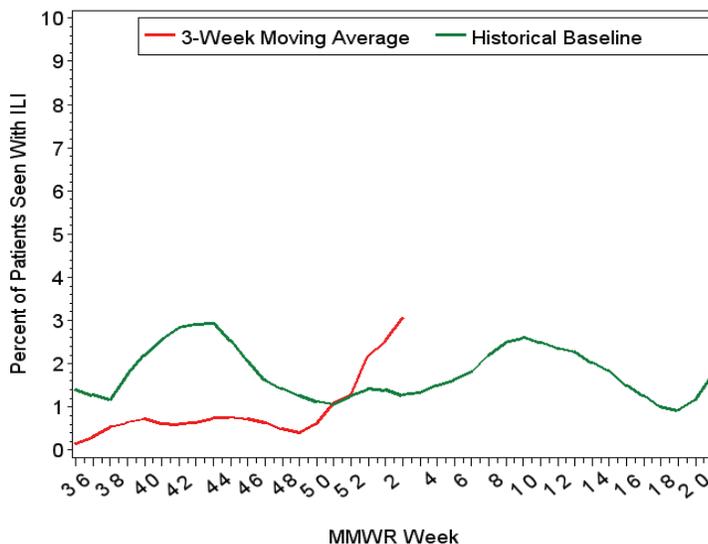
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Health Authority, Acute and Communicable Disease Prevention 17JAN13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week

Oregon Health Authority, Acute and Communicable Disease Prevention 17JAN13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for week 2 of 2013 was 2.5%, which is above Oregon's seasonal threshold of 1.52%.\***

Note: ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. \*The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for percent of outpatients seen with ILI in week 2 was 3.0%, above the historical baseline.**

The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

Several Oregon counties are currently under-represented in ILI surveillance. If you would like to participate in ILINet surveillance, please contact Patricia Newman at OHA:

[patricia.newman@state.or.us](mailto:patricia.newman@state.or.us) or

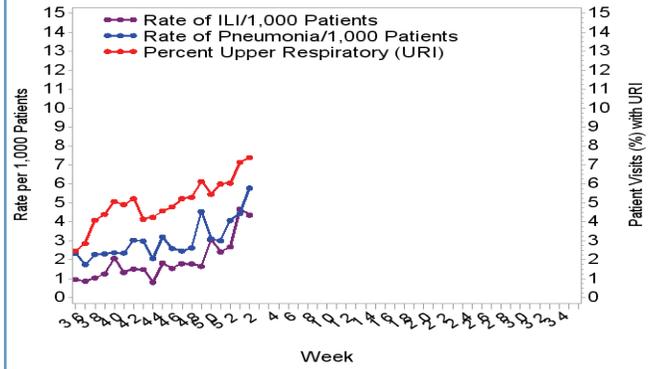
971-673-1076

All FluBites data provided are preliminary, and may change as additional reports are received.

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. The rate of ILI per 1,000 OCHIN patients was 4.4 during week 01 (2013).

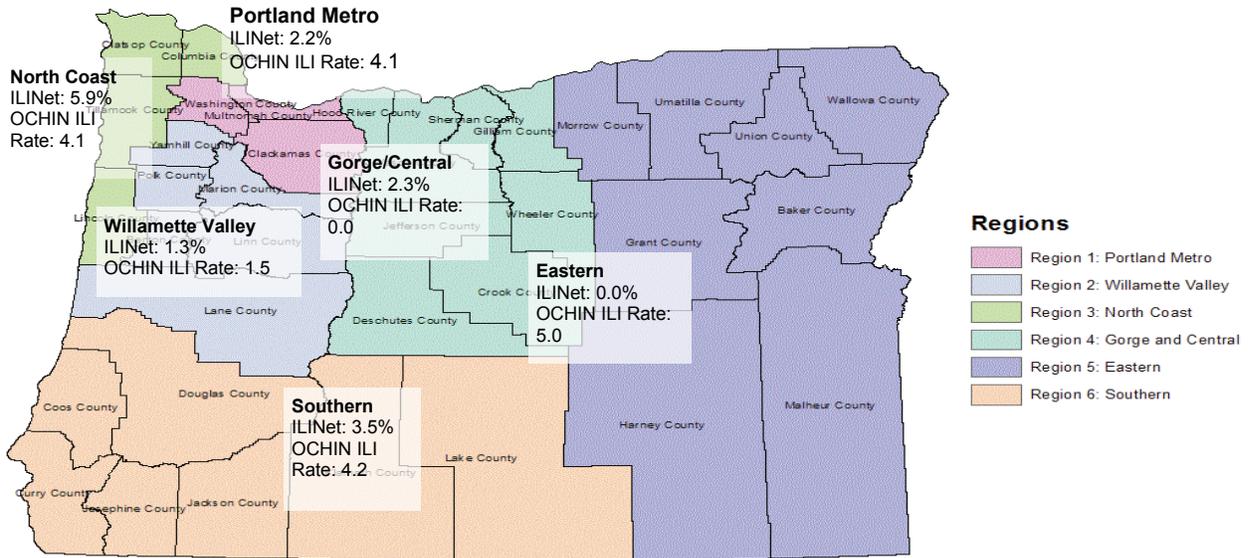
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013

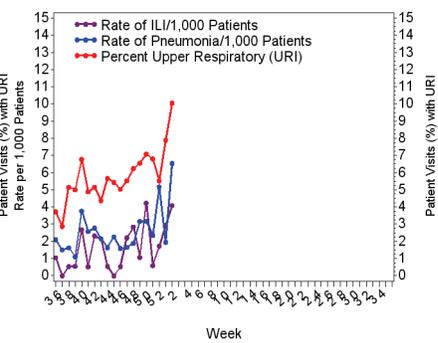
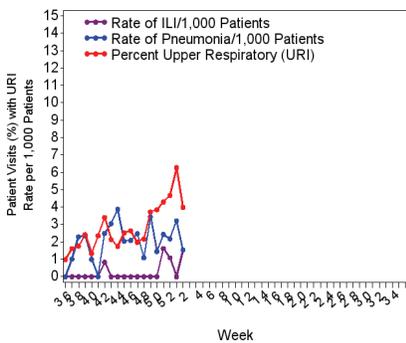
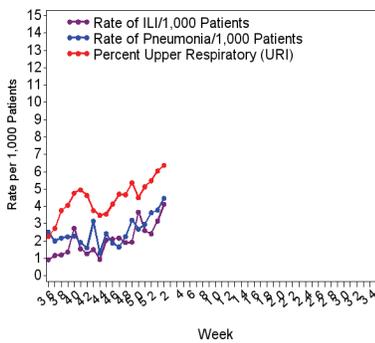


Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

**ILI Activity by Region: ILINet (% ILI) and OCHIN ILI Rate**



Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013

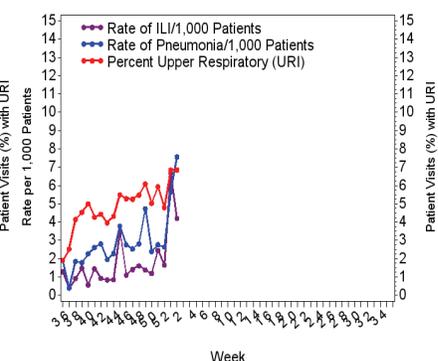
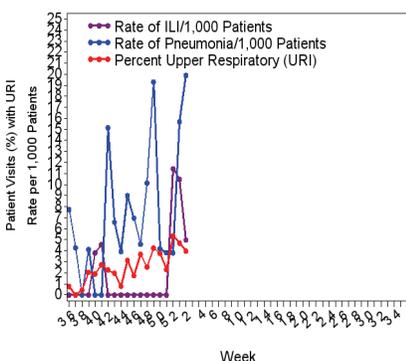
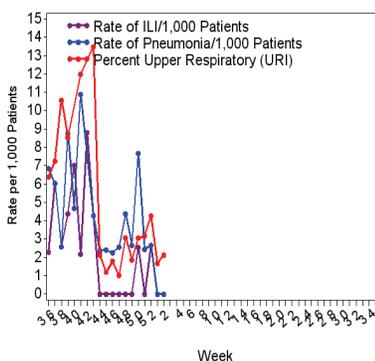


Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013

Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013

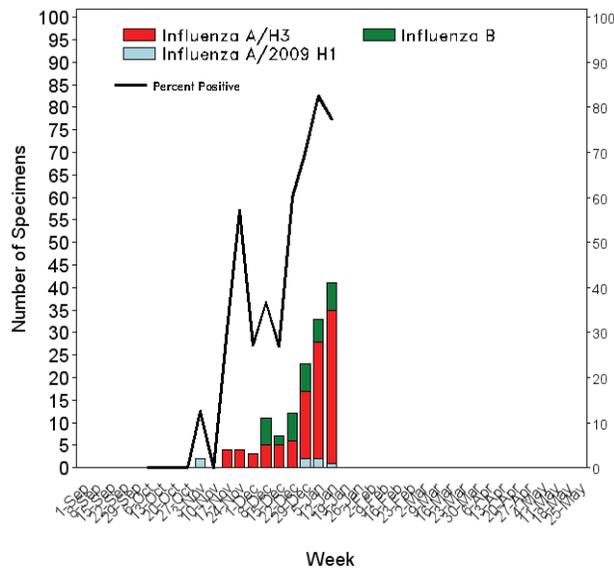
Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



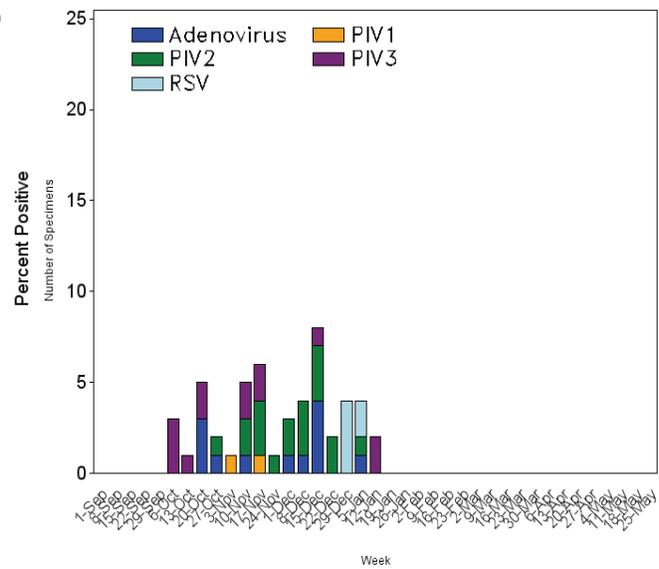
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## Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

**Tables 1 and 2** show the current week and cumulative totals (since **Oct. 1, 2012**) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

	Current Week	Cumulative
<b>Influenza A</b>	35 (66%)	109 (35%)
2009 pH1N1	1 (2%)	7 (2%)
Seasonal A H3	34 (64%)	102 (32%)
<b>Influenza B</b>	6 (11%)	31 (10%)
Undetected	12 (23%)	175 (56%)
<b>Total Tested</b>	<b>53</b>	<b>315</b>

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

	Current Week	Cumulative
<b>Adenovirus</b>	0	12 (5%)
<b>Parainfluenza type 1</b>	0	2 (0.8%)
<b>Parainfluenza type 2</b>	0	18 (8%)
<b>Parainfluenza type 3</b>	2 (29%)	13 (5%)
<b>Human Metapneumovirus</b>	0	0
<b>RSV</b>	0	6(3%)
<b>Total Tested</b>	<b>12</b>	<b>175</b>

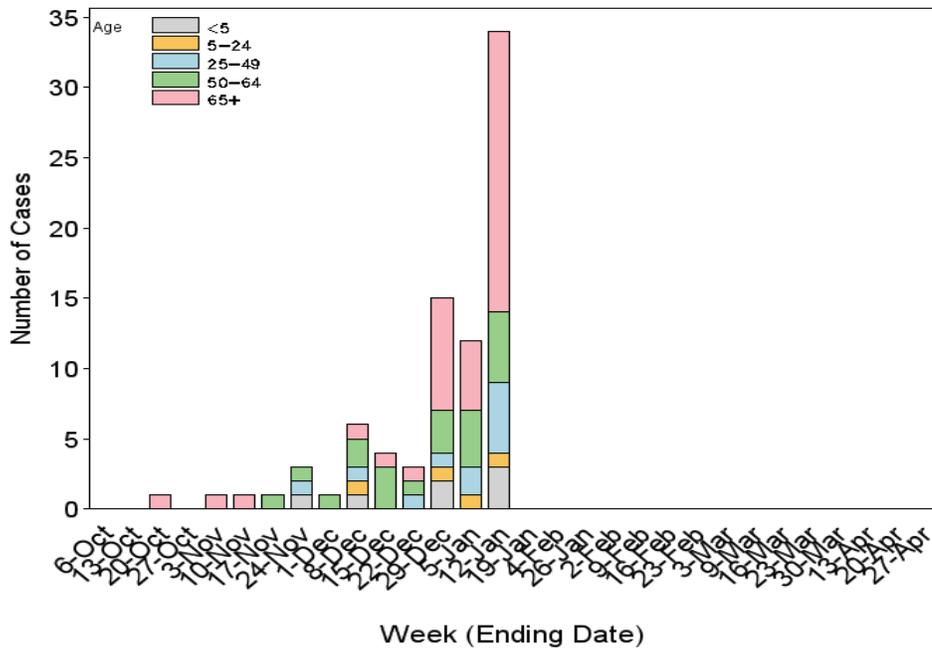
\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

## Tri-County Influenza

### Hospitalizations:

34 hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 02. A cumulative total of 93 hospitalizations have been reported since October 1, 2012.

Portland Metro Area Influenza-Associated Hospitalizations by Week and Age Group, 2012-2013



## Current Week's Data at a Glance: Jan 13-19, 2013 (Week 3)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>High</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Widespread</b>
<b>Percent of outpatient visits for ILI</b>	<b>3.2%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>26</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>39</b>
<b>Reported ILI outbreaks</b>	<b>6</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>23%</b>

<sup>1</sup>Levels are determined by CDC. Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

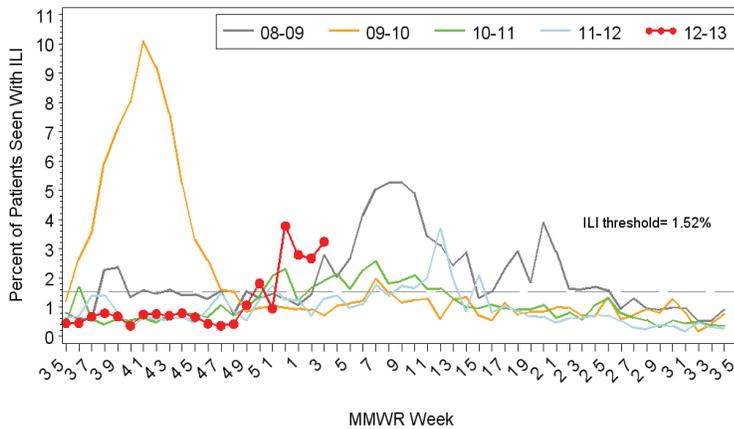
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

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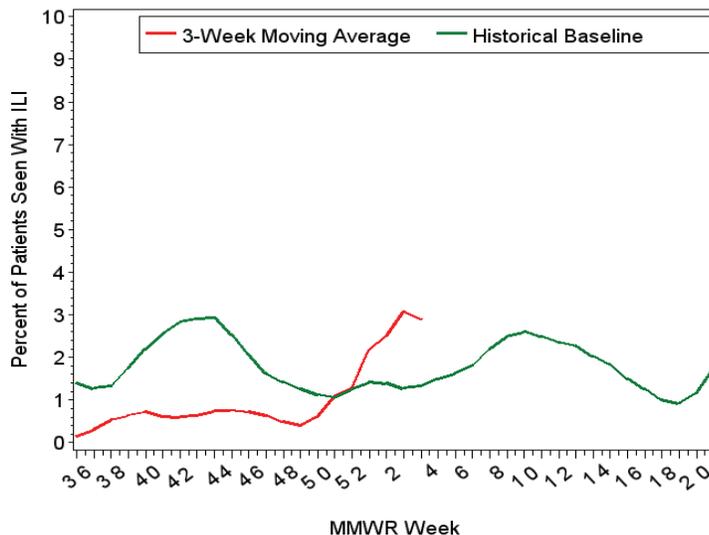
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 25JAN13  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 25JAN13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for week 3 of 2013 was 3.2%, which is above Oregon's seasonal threshold of 1.52%.\***

*Note:* ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. \*The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for percent of outpatients seen with ILI in week 3 was 2.9%, above the historical baseline.**

The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

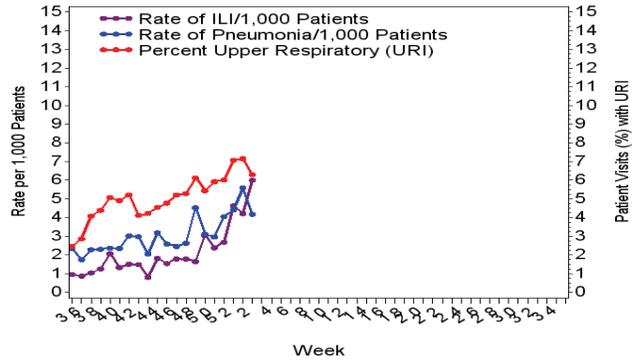
Several Oregon counties are currently under-represented in ILI surveillance. If you would like to participate in ILINet surveillance, please contact Patricia Newman at OHA: [patricia.newman@state.or.us](mailto:patricia.newman@state.or.us) or 971-673-1076.

All FluBites data provided are preliminary, and may change as additional reports are received.

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. The rate of ILI per 1,000 OCHIN patients was 6.0 during week 2 (2013).

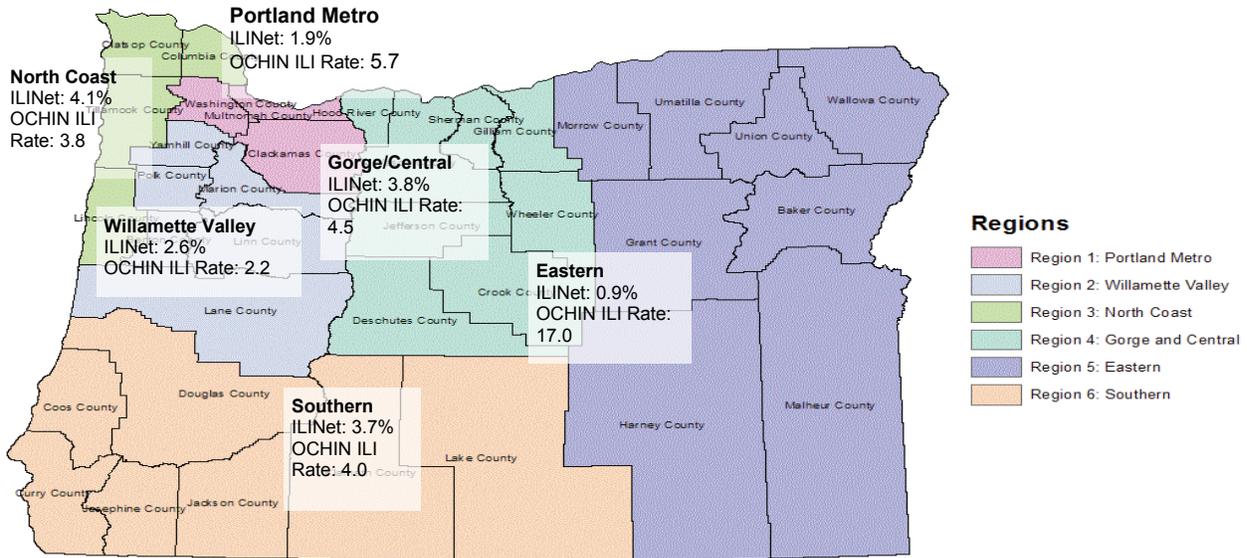
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013

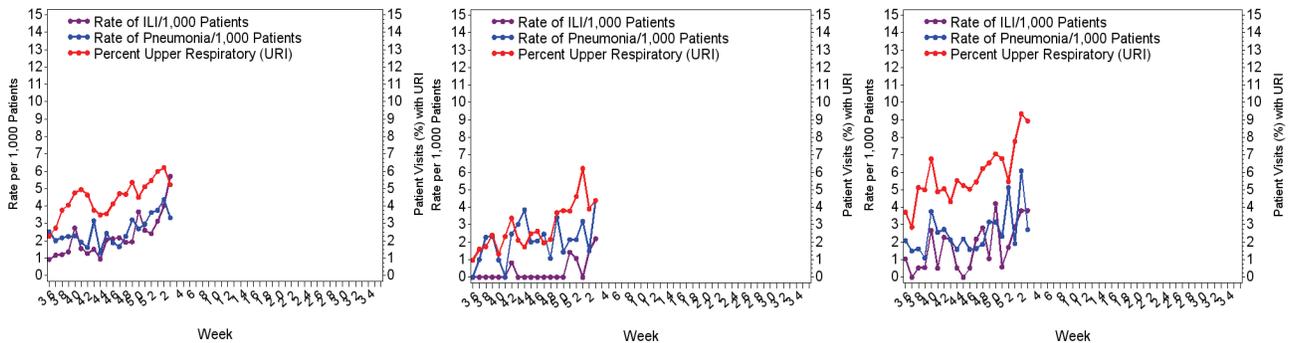


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**ILI Activity by Region: ILINet (% ILI) and OCHIN ILI Rate**

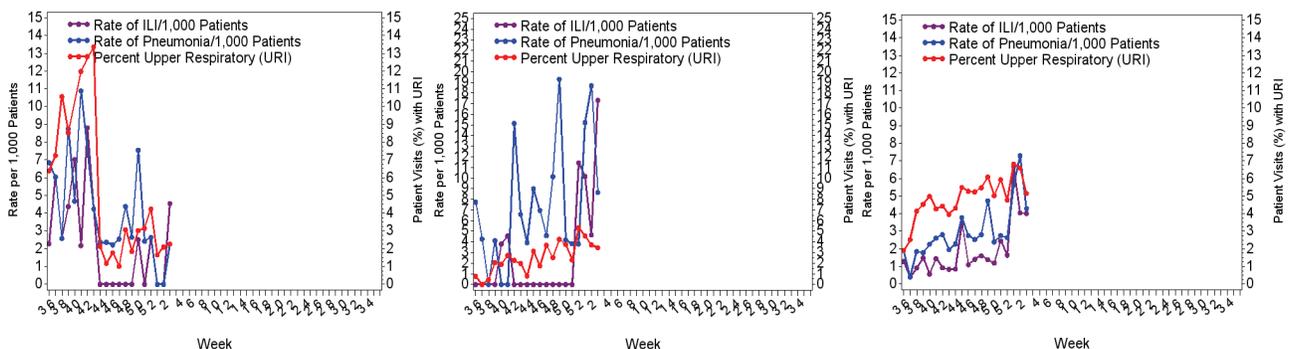


Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

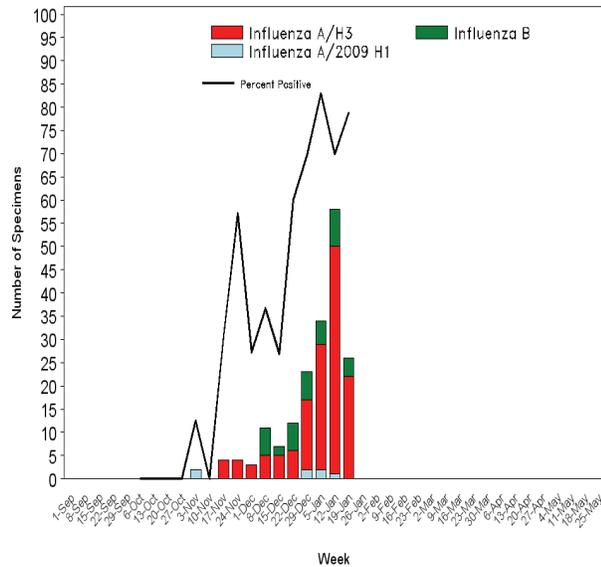
Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



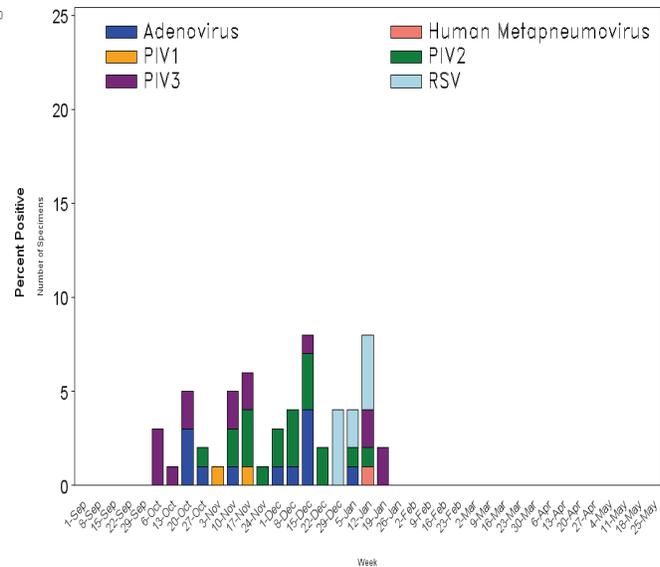
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

# Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

**Tables 1 and 2** show the current week and cumulative totals (since **Oct. 1, 2012**) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

	Current Week	Cumulative
<b>Influenza A</b>	22 (67%)	147 (39%)
2009 pH1N1		7 (2%)
Seasonal A H3	22 (67%)	140 (37%)
<b>Influenza B</b>	4 (12%)	37(10%)
Undetected	7 (21%)	195 (51%)
<b>Total Tested</b>	<b>33</b>	<b>379</b>

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

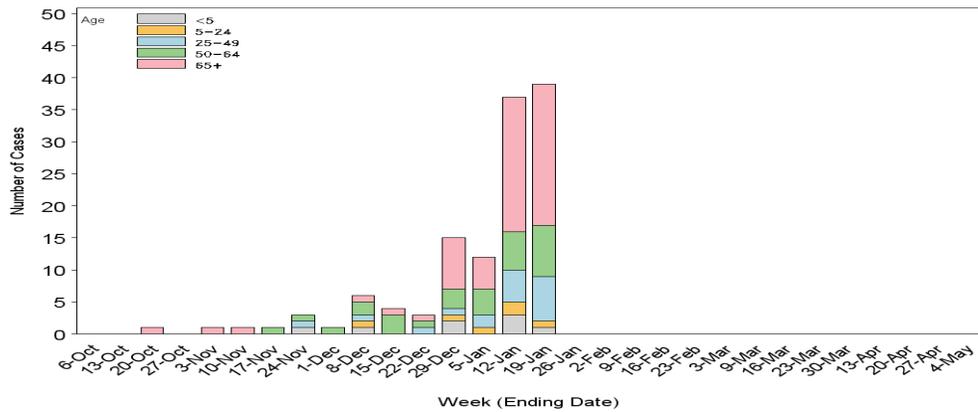
	Current Week	Cumulative
<b>Adenovirus</b>	0	12 (6%)
<b>Parainfluenza type 1</b>	0	2 (1%)
<b>Parainfluenza type 2</b>	0	19 (10%)
<b>Parainfluenza type 3</b>	2 (29%)	15 (5%)
<b>Human Metapneumovirus</b>	0	1
<b>RSV</b>	0	10 (8%)
<b>Total Tested</b>	<b>7</b>	<b>195</b>

\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

## Tri-County Influenza Hospitalizations:

39 hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 3. A cumulative total of 124 hospitalizations have been reported since October 1, 2012.

Portland Metro Area Influenza-Associated Hospitalizations by Week and Age Group, 2012-2013



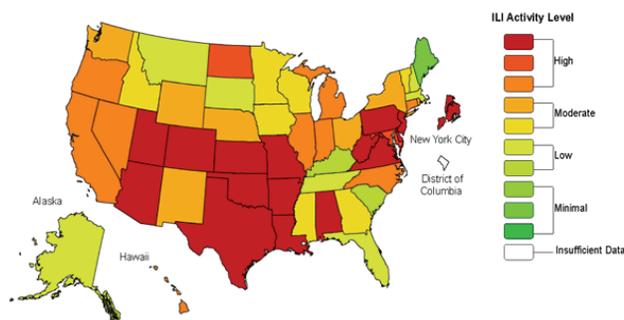
**Outbreaks:** 6 ILI outbreaks were reported for week 3; 4 were confirmed as influenza A, and 2 are still undetermined. Between October 1, 2012, and January 19, 2013, 15 ILI outbreaks have been reported; 12 have been laboratory confirmed influenza.

## National Influenza Data:

During week 3 (January 13-19), influenza activity remained elevated in the United States, but decreased in some areas.

- **Viral Surveillance:** Of 11,984 specimens tested and reported by collaborating laboratories, 3,129 (26.1%) were positive for influenza.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was above the epidemic threshold.
- **Influenza-Associated Pediatric Deaths:** Eight influenza-associated pediatric deaths were reported.
- **Influenza-Associated Hospitalizations:** A cumulative rate for the season of 22.2 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported. Of all hospitalizations, 50% were among adults 65 years and older.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 4.3%; this is above the national baseline of 2.2%. All 10 regions reported ILI above region-specific baseline levels. Twenty-six states and New York City experienced high ILI activity; 14 states experienced moderate activity; 9 states experienced low activity; 1 state experienced minimal activity, and the District of Columbia had insufficient data.
- **Geographic Spread of Influenza:** Forty-seven states reported widespread geographic influenza activity; 2 states reported regional activity; the District of Columbia and one state reported local activity; Guam reported sporadic influenza activity, and Puerto Rico and the U.S. Virgin Islands did not report.

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet  
2012-13 Influenza Season Week 3 ending Jan 19, 2013



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

A Weekly Influenza Surveillance Report Prepared by the Influenza Division  
Weekly Influenza Activity Estimates Reported by State and Territorial Epidemiologists\*  
Week Ending January 19, 2013- Week 3



\*This map indicates geographic spread and does not measure the severity of influenza activity.

**Map above Right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

## Additional resources:

- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- Current MMWR on flu vaccine effectiveness: <http://www.cdc.gov/mmwr>
- FDA approves a new influenza vaccine that does not require eggs for production: <http://www.fda.gov/NewsEvents/Newsroom/PressAnnouncements/ucm335891.htm?source=govdelivery>

## Current Week's Data at a Glance: Jan 20-26, 2013 (Week 4)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>High</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Widespread</b>
<b>Percent of outpatient visits for ILI</b>	<b>4.5%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>29</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>38</b>
<b>Reported ILI outbreaks</b>	<b>8</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>28%</b>

<sup>1</sup>Levels are determined by CDC. Based on proportion of outpatient visits— levels include minimal, low, moderate, and high.

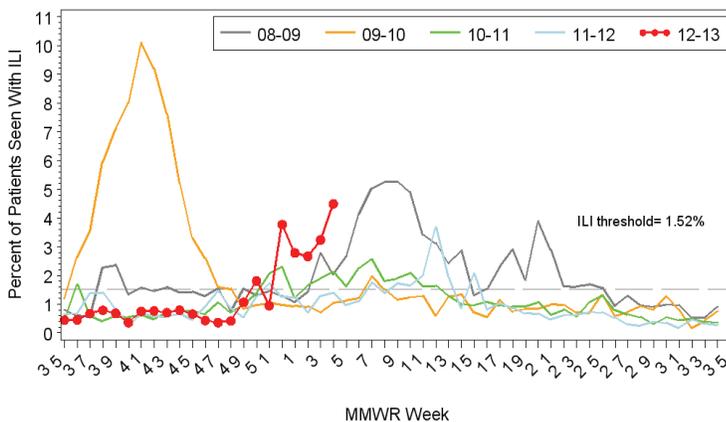
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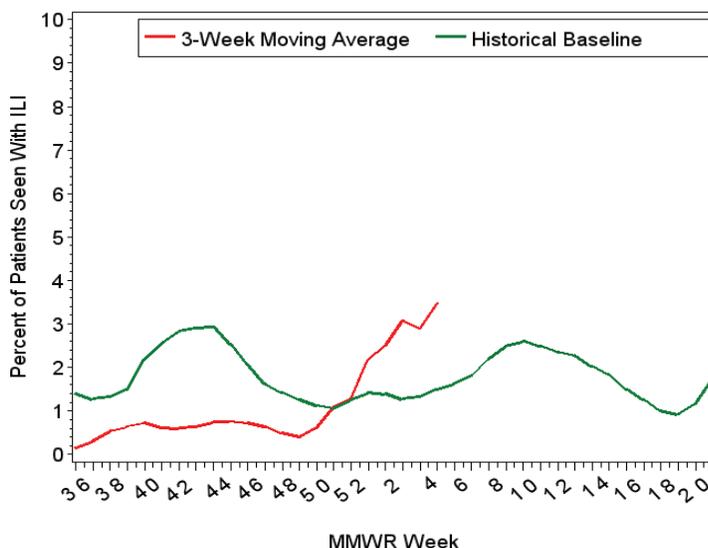
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 01FEB13  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 01FEB13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for week 4 of 2013 was 4.5%, which is above Oregon's seasonal threshold of 1.52%.\***

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**The 3-week moving average for percent of outpatients seen with ILI in week 4 was 3.5%, above the historical baseline.**

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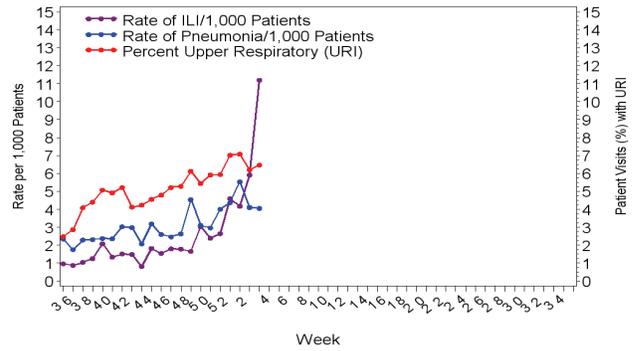
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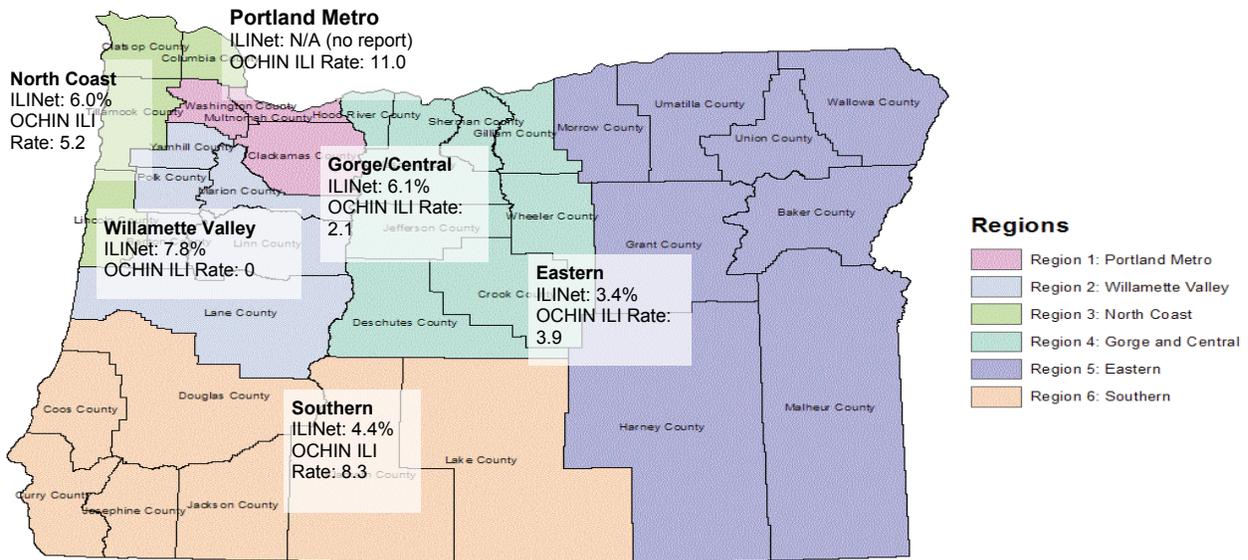
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013

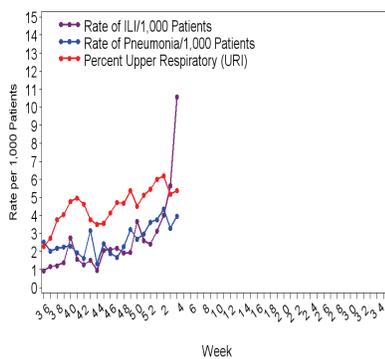


Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

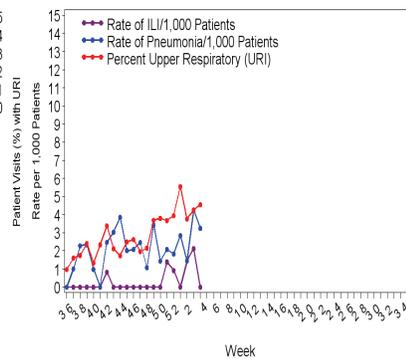
**ILI Activity by Region: ILINet (% ILI) and OCHIN ILI Rate**



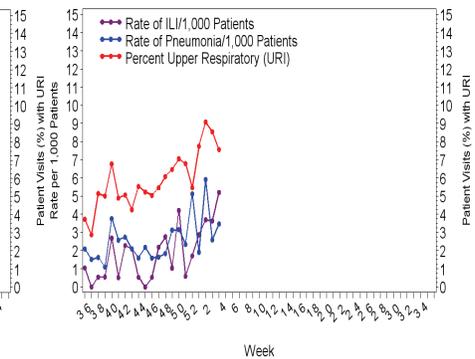
Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



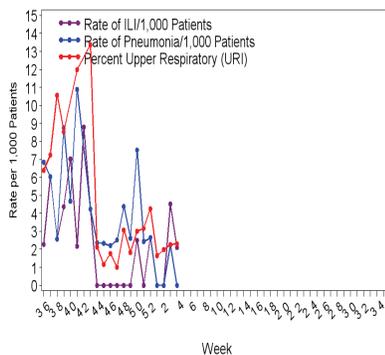
Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



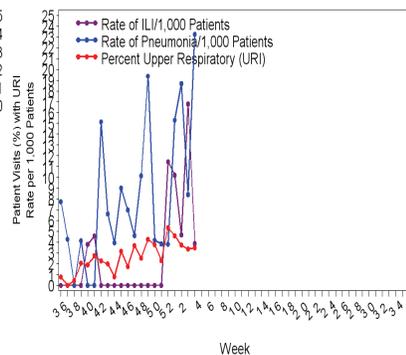
Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



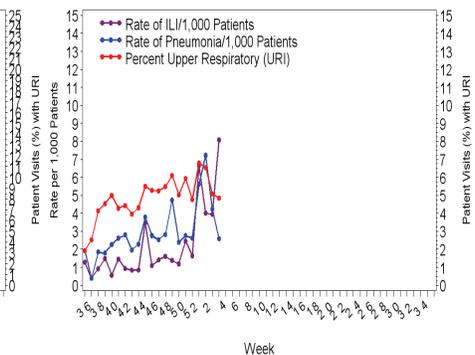
Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



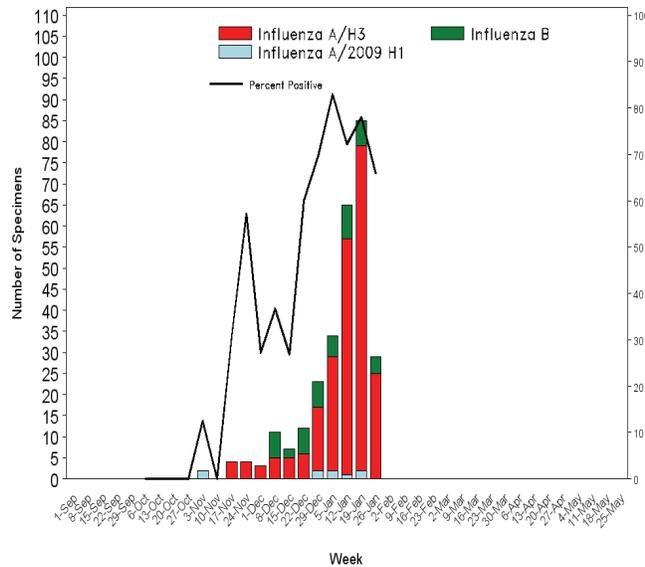
Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



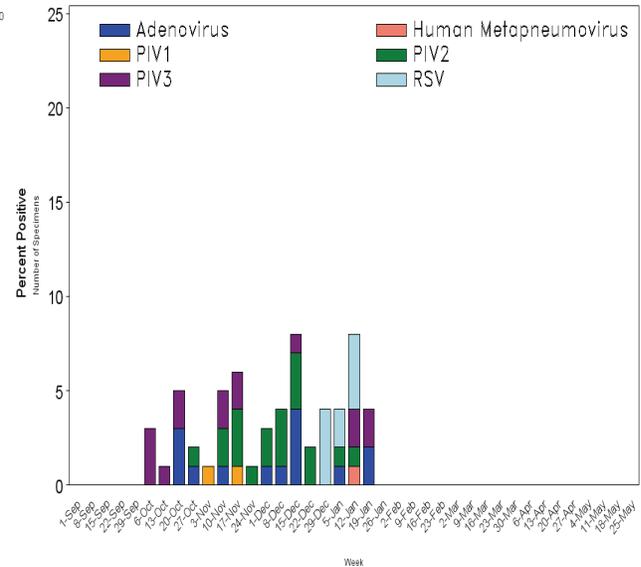
Categories are not mutually exclusive, and are based on ICD-9 diagnosis codes or combinations of codes.

# Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

Tables 1 and 2 show the current week and cumulative totals (since Oct. 1, 2012) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

	Current Week	Cumulative
<b>Influenza A</b>	25 (57%)	236 (47%)
2009 pH1N1	0	9 (2%)
Seasonal A H3	25 (57%)	227 (45%)
<b>Influenza B</b>	4 (9%)	43 (8%)
Undetected	15 (34%)	227 (45%)
<b>Total Tested</b>	<b>44</b>	<b>506</b>

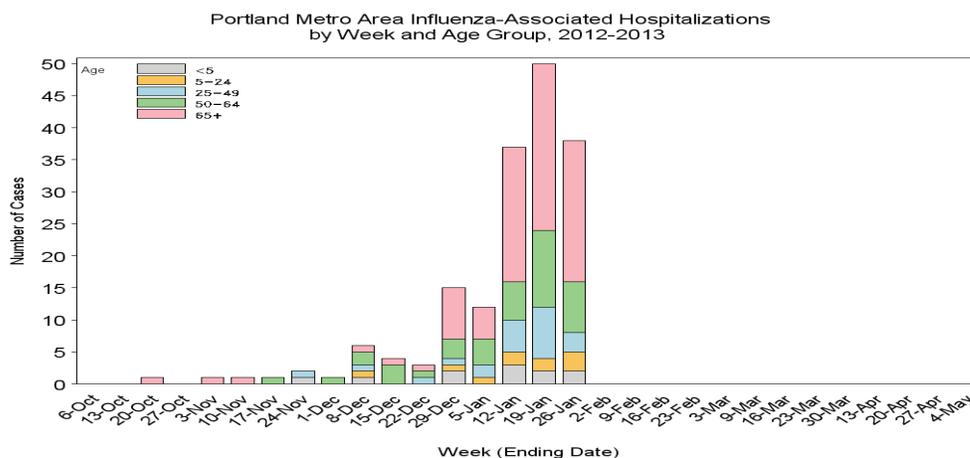
**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

	Current Week	Cumulative
<b>Adenovirus</b>	0	14 (6%)
<b>Parainfluenza type 1</b>	0	2 (1%)
<b>Parainfluenza type 2</b>	0	19 (8%)
<b>Parainfluenza type 3</b>	0	15 (7%)
<b>Human Metapneumovirus</b>	0	1 (<1%)
<b>RSV</b>	0	10 (4%)
<b>Total Tested</b>	<b>15</b>	<b>227</b>

\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

## Tri-County Influenza Hospitalizations:

38 hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 4. A cumulative total of 172 hospitalizations have been reported since October 1, 2012.

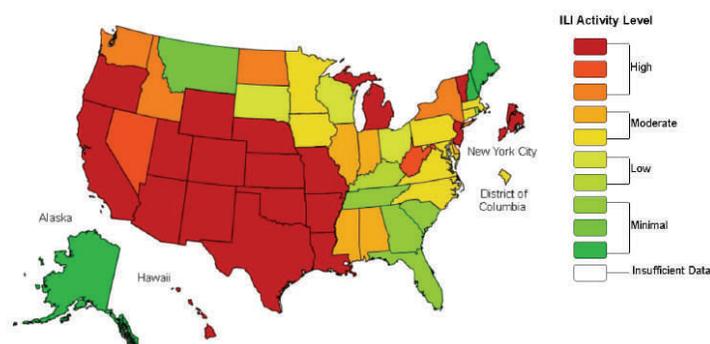


**Outbreaks:** 8 ILI outbreaks were reported for week 4; 4 were confirmed as influenza. Between October 1, 2012, and January 26, 2013, 23 ILI outbreaks have been reported; 16 so far have been laboratory confirmed as influenza virus.

**National Influenza Data:** During week 4 (January 20-26), influenza activity remained elevated in the United States, but decreased in some areas.

- **Viral Surveillance:** Of 10,581 specimens tested and reported by collaborating laboratories, 2,701 (25.5%) were positive for influenza.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was above the epidemic threshold.
- **Influenza-Associated Pediatric Deaths:** Eight pediatric deaths were reported.
- **Influenza-Associated Hospitalizations:** A cumulative rate for the season of 25.9 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported. Of all hospitalizations, more than 50% were among adults 65 years and older.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 4.2%; this is above the national baseline of 2.2%. All 10 regions reported ILI above region-specific baseline levels. Twenty-four states and New York City experienced high ILI activity; the District of Columbia and 13 states experienced moderate activity; 4 states experienced low activity; and 9 states experienced minimal activity.
- **Geographic Spread of Influenza:** Forty-two states reported widespread geographic influenza activity; 7 states reported regional activity; the District of Columbia and one state reported local activity; Guam reported sporadic influenza activity, and Puerto Rico and the U.S. Virgin Islands did not report.

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet**  
2012-13 Influenza Season Week 4 ending Jan 26, 2013



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

**Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\***  
Week ending January 26, 2013 - Week 4



**Map above Right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

### Additional resources:

- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- Current MMWR on flu vaccine effectiveness: <http://www.cdc.gov/mmwr>
- Flu and seniors: <http://www.cdc.gov/flu/spotlights/flu-activity-update.htm>

## Current Week's Data at a Glance: Jan 27-Feb 2, 2013 (Week 5)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>High</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Widespread</b>
<b>Percent of outpatient visits for ILI</b>	<b>3.3%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>54</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>61</b>
<b>Reported ILI outbreaks</b>	<b>5</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>28%</b>

<sup>1</sup>Levels are determined by CDC. Based on proportion of outpatient visits— levels include minimal, low, moderate, and high.

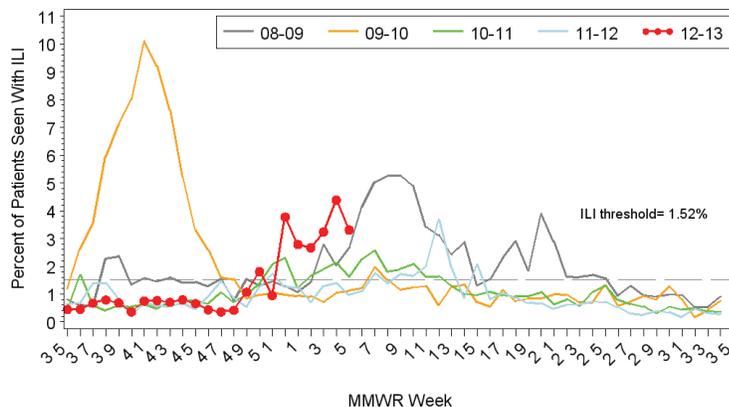
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

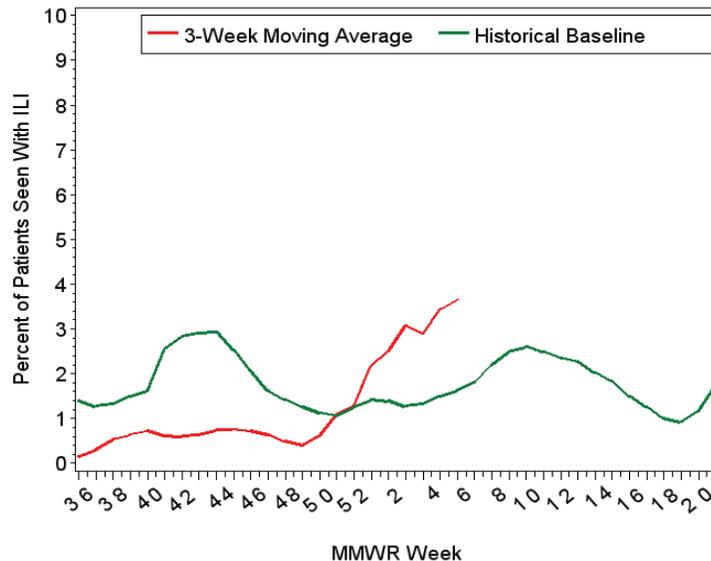
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 08FEB13  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 08FEB13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for week 5 of 2013 was 3.3%, which is above Oregon's seasonal threshold of 1.52%.\***

*Note:* ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. \*The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for percent of outpatients seen with ILI in week 5 was 3.6%, above the historical baseline.**

The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

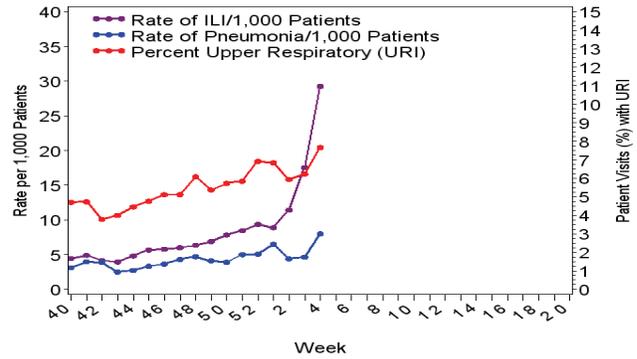
Please note that we have updated OCHIN data (Page 2) for the entire 2012-13 influenza season based on new "reason for visit" data. As a result, the rate of ILI reported from previous weeks has been recalculated, and is reflected in the current graphs.

All FluBites data provided are preliminary, and may change as additional reports are received.

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. The rate of ILI per 1,000 OCHIN patients was 29 during week 4.

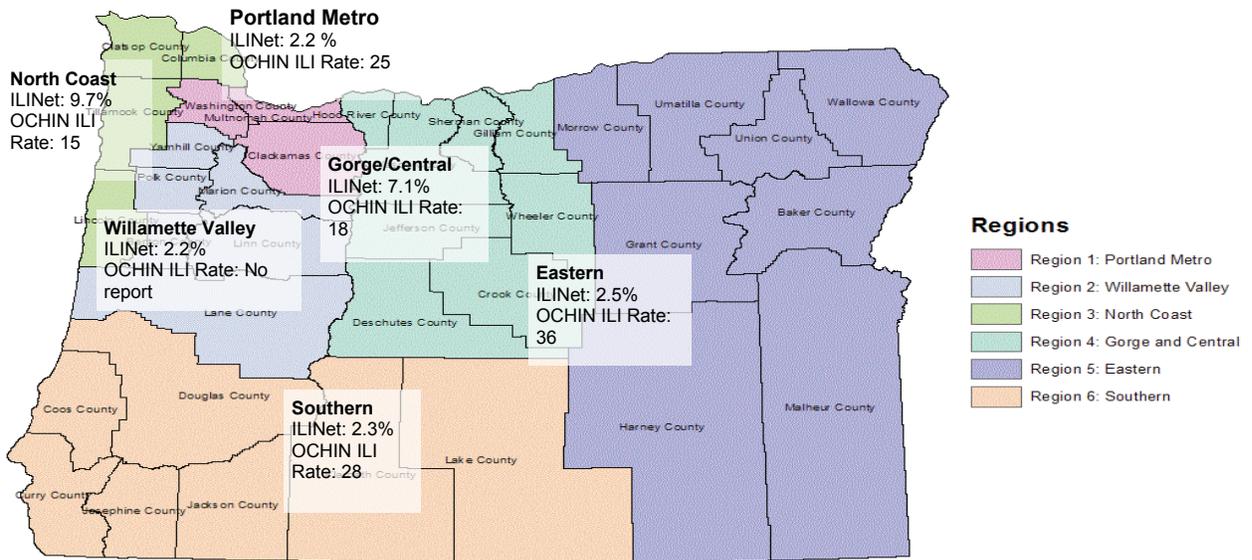
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes and reason for visit.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013

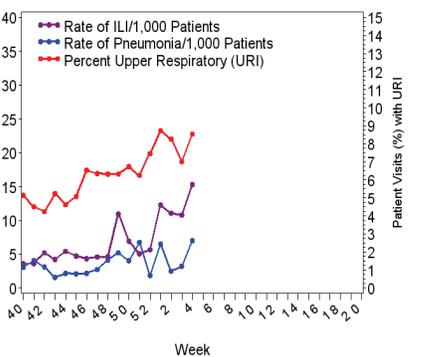
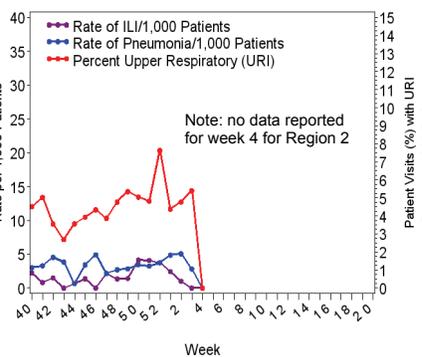
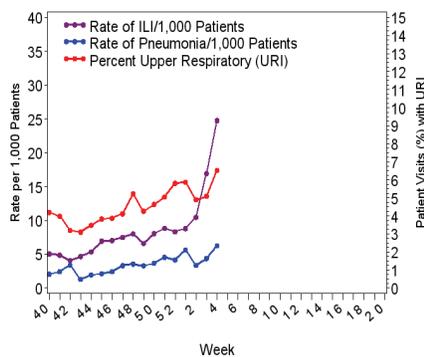


Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

**ILI Activity by Region: ILINet (% ILI) and OCHIN ILI Rate**



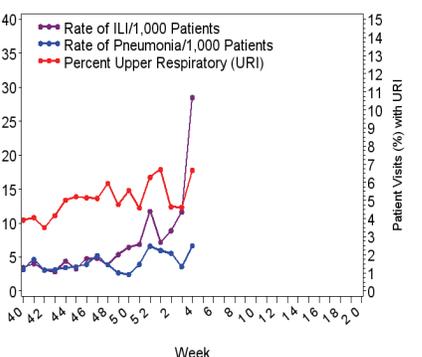
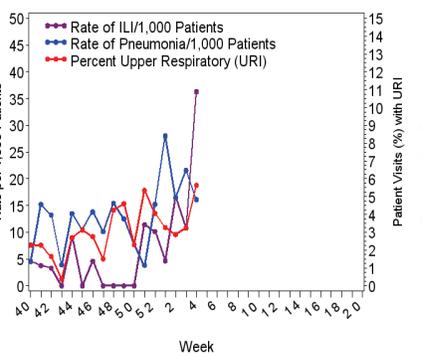
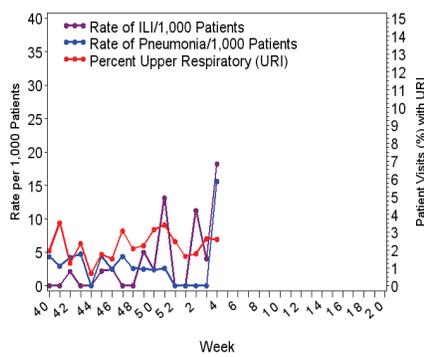
Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013

Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013

Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



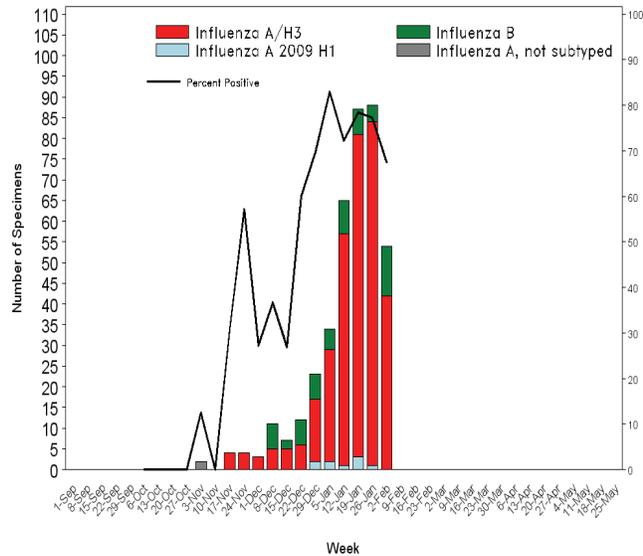
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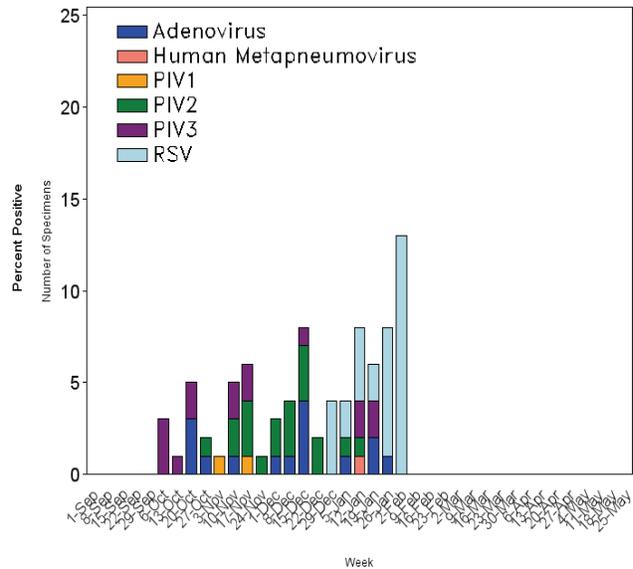
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

## Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

**Tables 1 and 2** show the current week and cumulative totals (since **Oct. 1, 2012**) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

	Current Week	Cumulative
<b>Influenza A</b>	42 (53%)	339 (52%)
2009 pH1N1	0	9 (1%)
Seasonal A H3	42 (53%)	328 (50%)
Not subtyped	0	2 (<1%)
<b>Influenza B</b>	12 (15%)	55 (8%)
Undetected	26 (33%)	264 (40%)
<b>Total Tested</b>	<b>80</b>	<b>658</b>

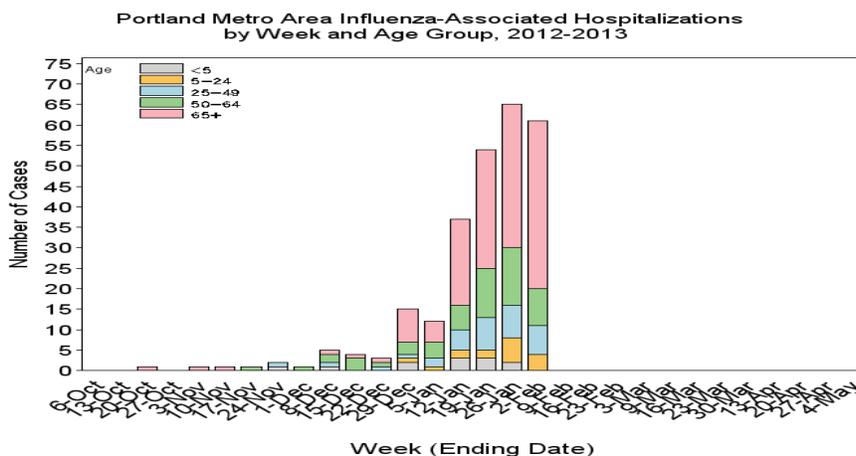
**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

	Current Week	Cumulative
<b>Adenovirus</b>	0	15 (6%)
<b>Parainfluenza type 1</b>	0	2 (1%)
<b>Parainfluenza type 2</b>	0	19 (7%)
<b>Parainfluenza type 3</b>	0	15 (6%)
<b>Human Metapneumovirus</b>	0	1 (<1%)
<b>RSV</b>	13 (50%)	32 (12%)
<b>Total Tested</b>	<b>26</b>	<b>264</b>

\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

### Tri-County Influenza Hospitalizations:

61 hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 5. A cumulative total of 263 hospitalizations have been reported since October 1, 2012.



## Current Week's Data at a Glance: Feb 3-9, 2013 (Week 6)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Moderate</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Widespread</b>
<b>Percent of outpatient visits for ILI</b>	<b>2.4%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>30</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>28</b>
<b>Reported ILI outbreaks</b>	<b>6</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>30%</b>

<sup>1</sup>Levels are determined by CDC. Based on proportion of outpatient visits— levels include minimal, low, moderate, and high.

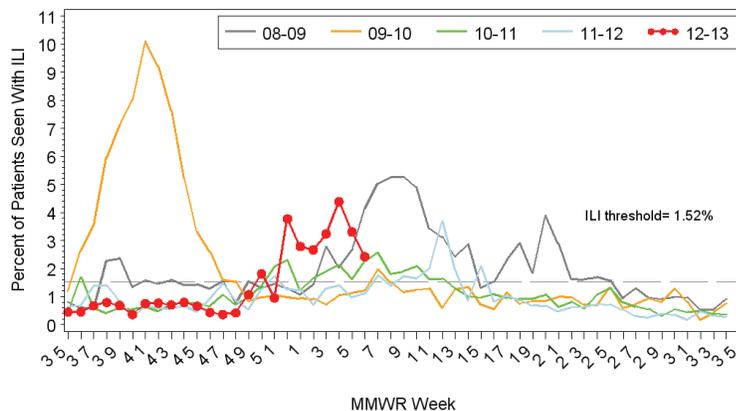
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

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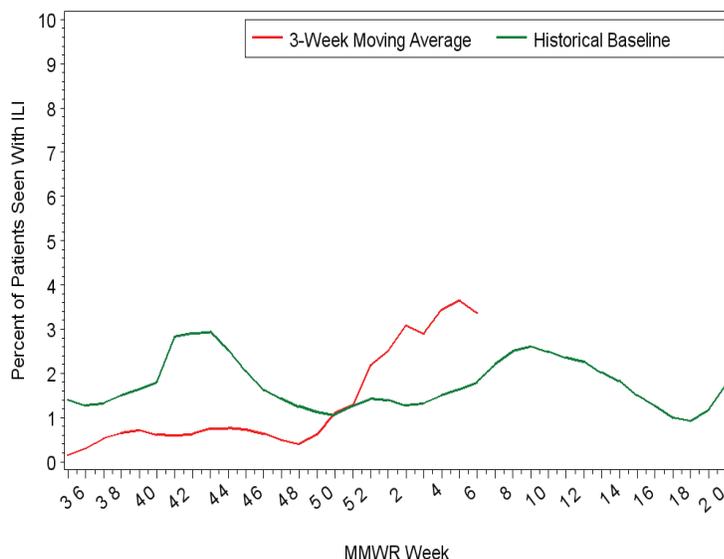
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 14FEB13  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 12FEB13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for week 6 of 2013 was 2.4% which is above Oregon's seasonal threshold of 1.52%.\***

*Note:* ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. \*The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for percent of outpatients seen with ILI in week 6 was 3.4%, above the historical baseline.**

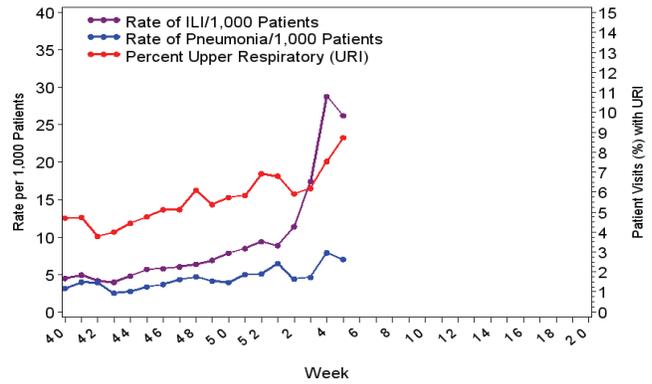
The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

Please note that we have updated OCHIN data (Page 2) for the entire 2012-13 influenza season based on new "reason for visit" data. As a result, the rate of ILI reported from previous weeks has been recalculated, and is reflected in the current graphs.

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. **The rate of ILI per 1,000 OCHIN patients was 26 during week 5.**

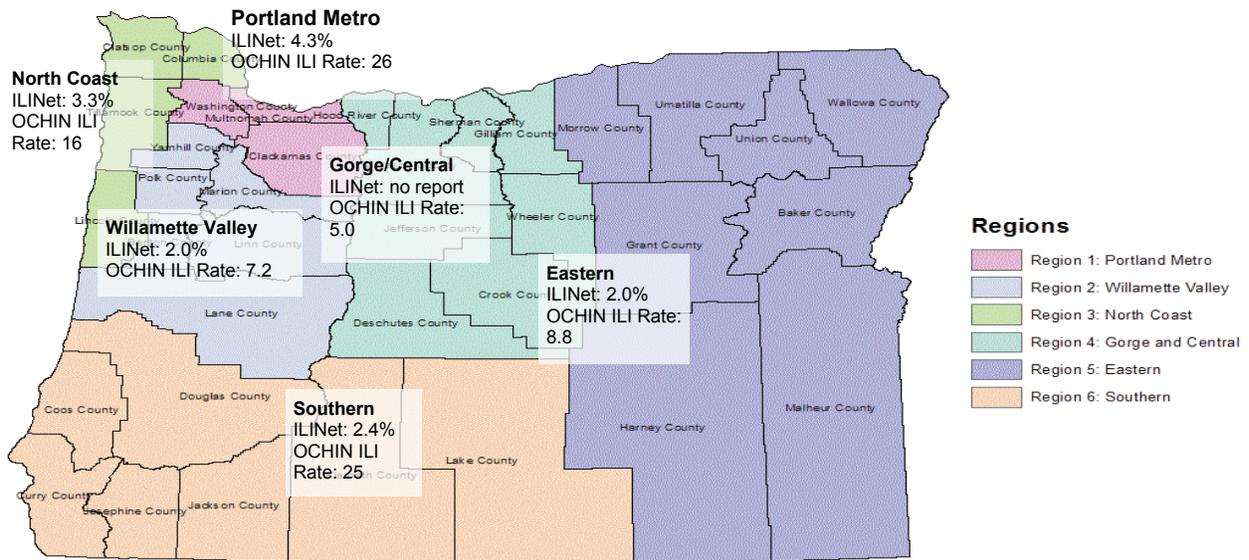
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes and reason for visit.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013

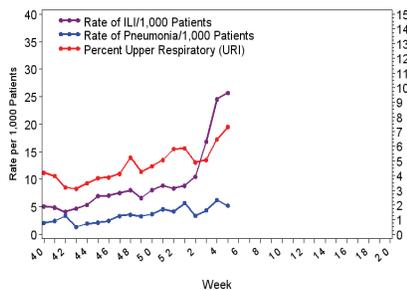


Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

**ILI Activity by Region: ILINet (% ILI) and OCHIN ILI Rate**

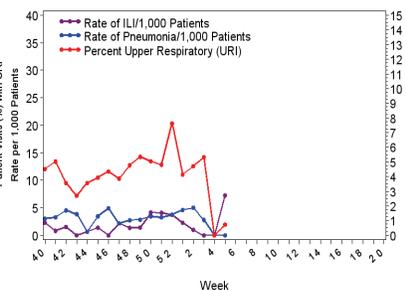


Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



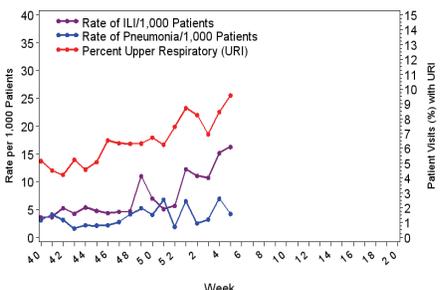
Categories based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



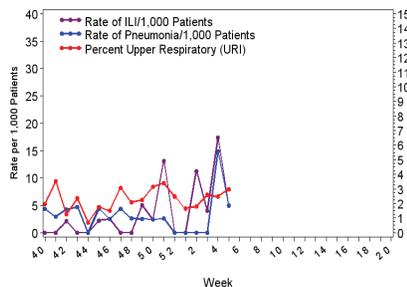
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



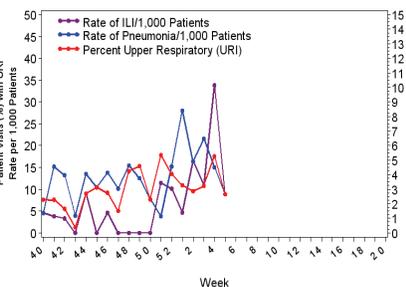
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



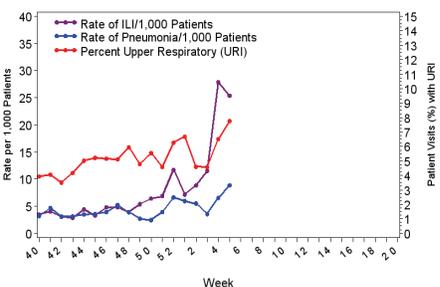
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

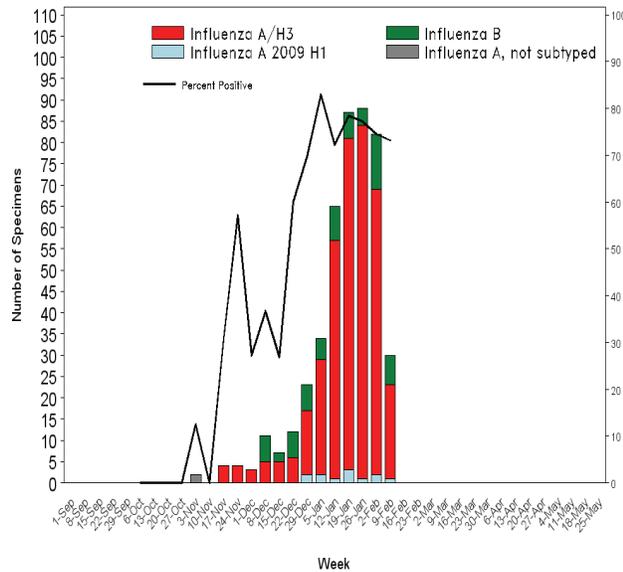
Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



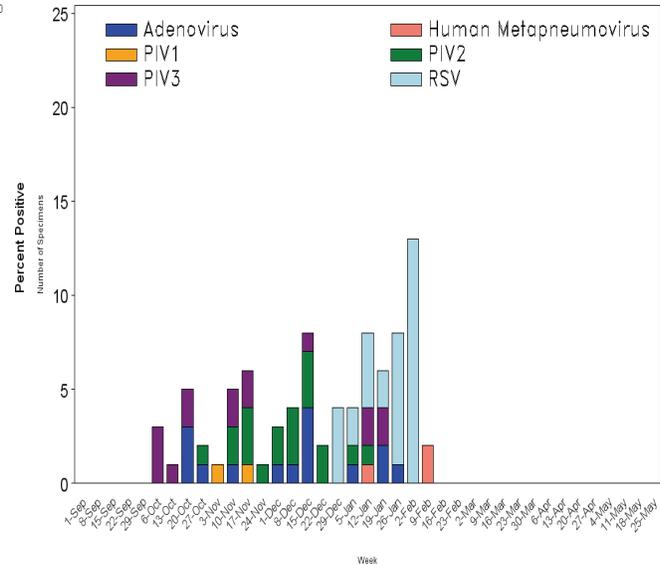
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

# Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

Tables 1 and 2 show the current week and cumulative totals (since Oct. 1, 2012) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

	Current Week	Cumulative
<b>Influenza A</b>	23 (56%)	387 (53%)
2009 pH1N1	1 (2%)	12 (2%)
Seasonal A H3	22 (54%)	375 (52%)
Not subtyped	0	2 (<1%)
<b>Influenza B</b>	7 (17%)	63 (9%)
Undetected	11 (27%)	277 (31%)
<b>Total Tested</b>	<b>41</b>	<b>727</b>

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

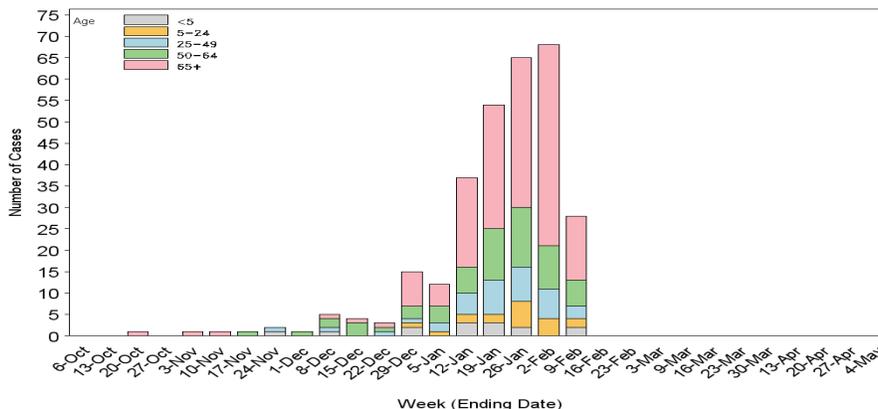
	Current Week	Cumulative
<b>Adenovirus</b>	0	15 (6%)
<b>Parainfluenza type 1</b>	0	2 (1%)
<b>Parainfluenza type 2</b>	0	19 (7%)
<b>Parainfluenza type 3</b>	0	15 (6%)
<b>Human Metapneumovirus</b>	2 (18%)	3 (1%)
<b>RSV</b>	0	32 (12%)
<b>Total Tested</b>	<b>11</b>	<b>277</b>

\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

### Tri-County Influenza Hospitalizations:

28 hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 6. A cumulative total of 298 hospitalizations have been reported since October 1, 2012.

Portland Metro Area Influenza-Associated Hospitalizations by Week and Age Group, 2012-2013

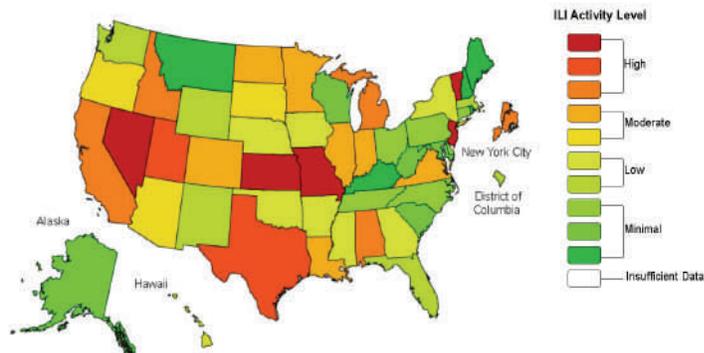


**Outbreaks:** 6 ILI outbreaks were reported for week 6. Between October 1, 2012, and February 9, 2013, 36 ILI outbreaks have been reported; 26 so far have been laboratory confirmed as influenza virus.

**National Influenza Data:** During week 6 (February 3 - 9, 2013), influenza activity remained elevated in the United States, but decreased in most areas.

- o **Viral Surveillance:** Of 7,608 specimens tested and reported by collaborating laboratories, 1,499 (19.7%) were positive for influenza.
- o **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was above the epidemic threshold.
- o **Influenza-Associated Pediatric Deaths:** Five pediatric deaths were reported.
- o **Influenza-Associated Hospitalizations:** A cumulative rate for the season of 32.1 laboratory-confirmed influenza associated hospitalizations per 100,000 population was reported. Of reported hospitalizations, more than 50% were among adults 65 years and older.
- o **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 3.2%. This is above the national baseline of 2.2%. All 10 regions reported ILI above region-specific baseline levels. Eleven states and New York City experienced high ILI activity; 10 states experienced moderate activity; the District of Columbia and 13 states experienced low activity, and 16 states experienced minimal activity.
- o **Geographic Spread of Influenza:** Thirty-one states reported widespread influenza activity; Puerto Rico and 14 states reported regional influenza activity; the District of Columbia and 4 states reported local influenza activity; Guam and one state reported sporadic influenza activity, and the U.S. Virgin Islands did not report.

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet  
2012-13 Influenza Season Week 6 ending Feb 09, 2013



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\*  
Week ending February 9, 2013 - Week 6



**Map above right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

### Additional resources:

- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- Current MMWR on flu vaccine effectiveness: <http://www.cdc.gov/mmwr>

## Current Week's Data at a Glance: Feb 10-16, 2013 (Week 7)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Moderate</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Widespread</b>
<b>Percent of outpatient visits for ILI</b>	<b>2.7%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>24</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>43</b>
<b>Reported ILI outbreaks</b>	<b>1</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>33%</b>

<sup>1</sup>Levels are determined by CDC. Based on proportion of outpatient visits— levels include minimal, low, moderate, and high.

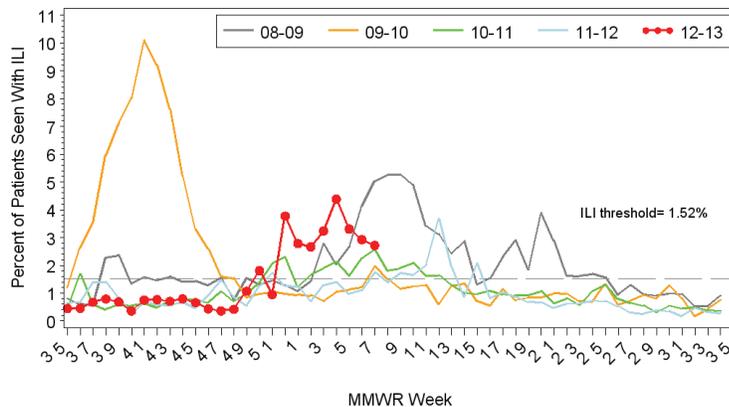
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

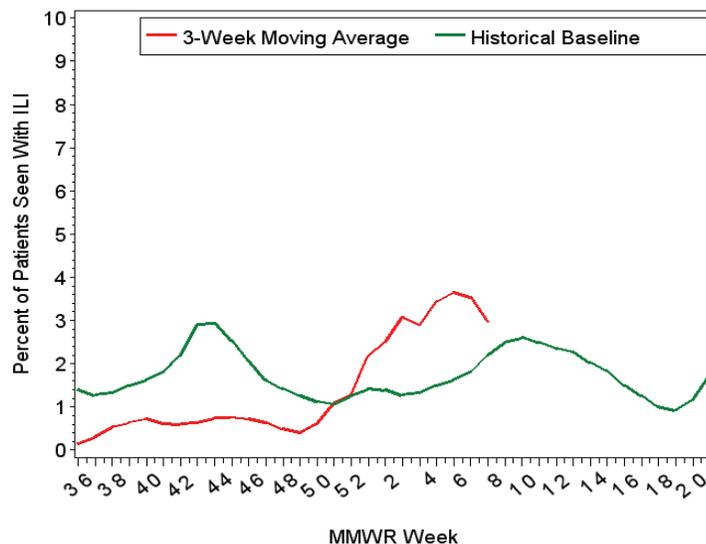
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 22FEB13  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 22FEB13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for week 7 of 2013 was 2.7% which is above Oregon's seasonal threshold of 1.52%.\***

*Note:* ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. \*The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

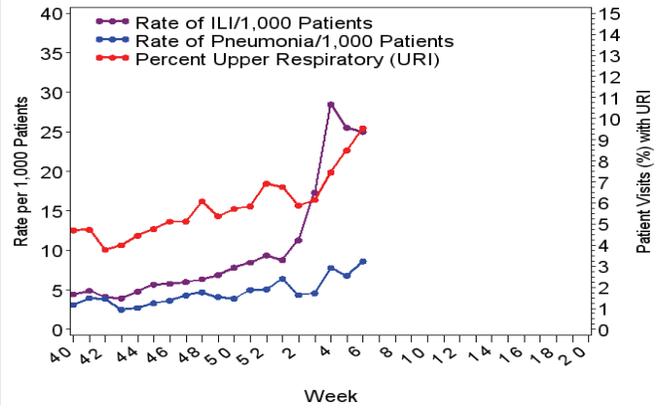
**The 3-week moving average for percent of outpatients seen with ILI in week 7 was 2.9%, above the historical baseline.**

The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. **The rate of ILI per 1,000 OCHIN patients was 25 during week 6.**

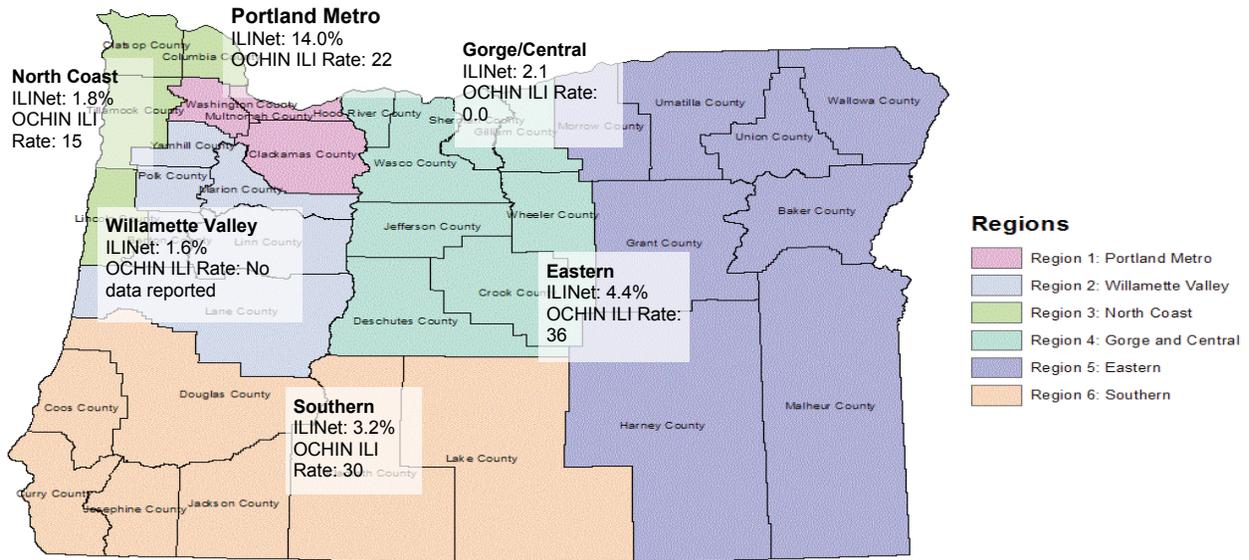
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes and reason for visit.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013

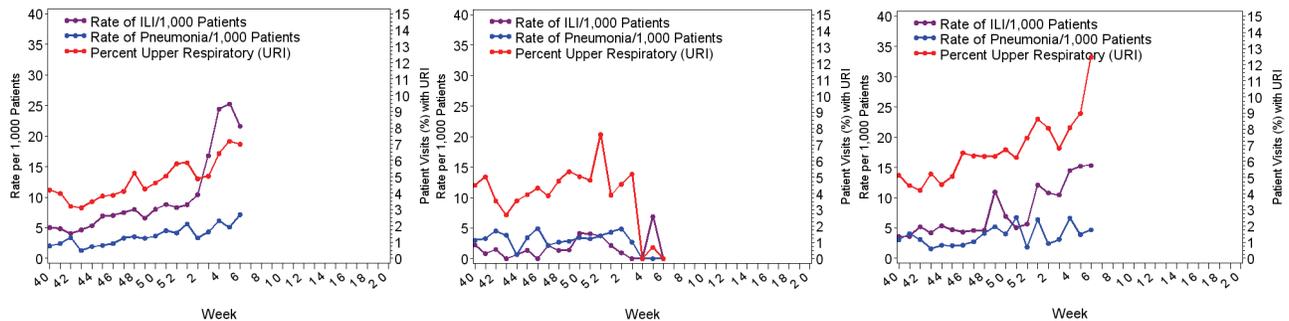


Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

**ILI Activity by Region: ILINet (% ILI) and OCHIN ILI Rate**

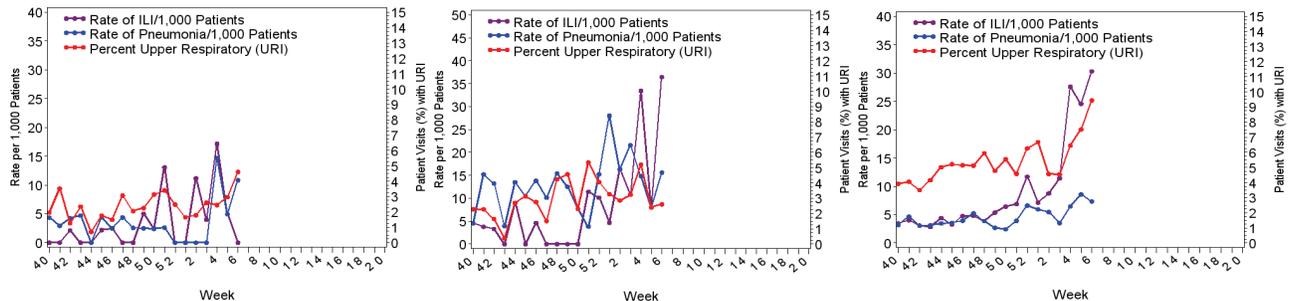


Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013      Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013      Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Categories based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

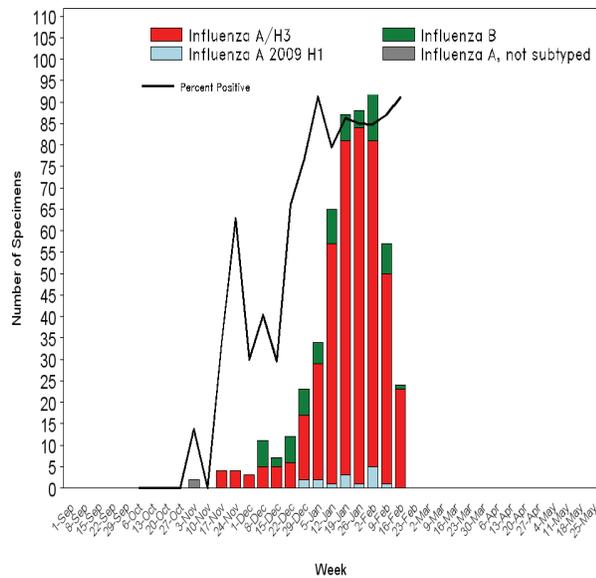
Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013      Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013      Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



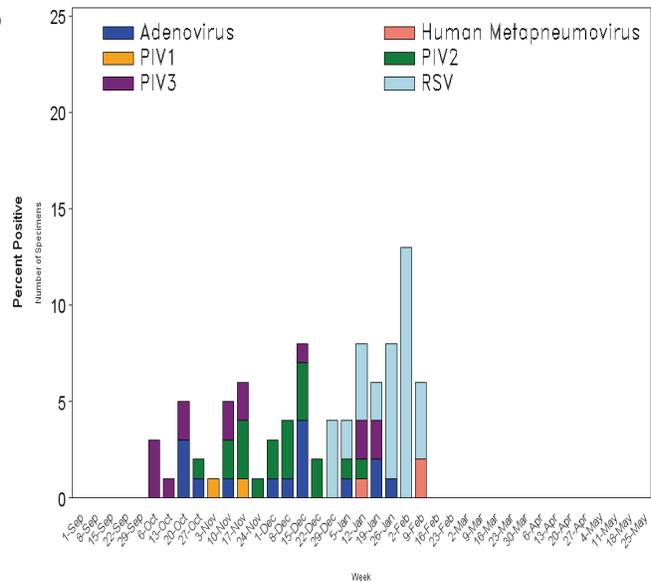
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

# Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

Tables 1 and 2 show the current week and cumulative totals (since Oct. 1, 2012) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

	Current Week	Cumulative
<b>Influenza A</b>	24 (80%)	449 (56%)
2009 pH1N1	0	15 (2%)
Seasonal A H3	23 (77%)	434 (54%)
Not subtyped	0	2 (<1%)
<b>Influenza B</b>	1 (3%)	64 (8%)
Undetected	5 (17%)	286 (36%)
<b>Total Tested</b>	<b>30</b>	<b>799</b>

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

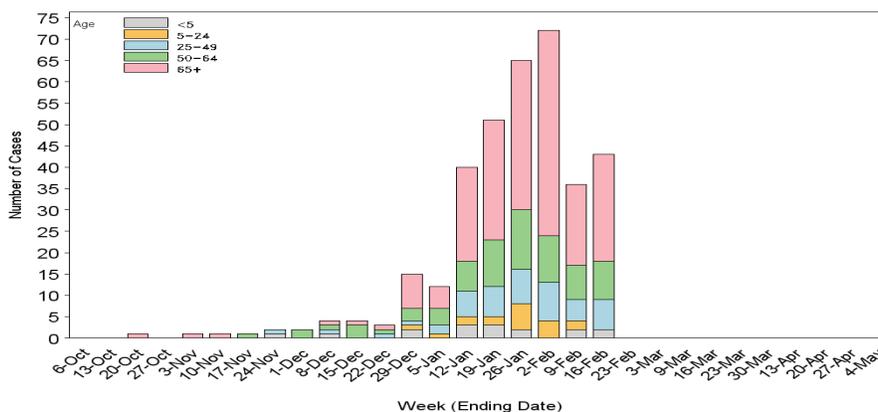
	Current Week	Cumulative
<b>Adenovirus</b>	0	15 (5%)
<b>Parainfluenza type 1</b>	0	2 (<1%)
<b>Parainfluenza type 2</b>	0	19 (6%)
<b>Parainfluenza type 3</b>	0	15 (5%)
<b>Human Metapneumovirus</b>	0	3 (1%)
<b>RSV</b>	0	36 (13%)
<b>Total Tested</b>	<b>5</b>	<b>286</b>

\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

### Tri-County Influenza Hospitalizations:

43 hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 7. A cumulative total of 353 hospitalizations have been reported since October 1, 2012.

Portland Metro Area Influenza-Associated Hospitalizations by Week and Age Group, 2012-2013

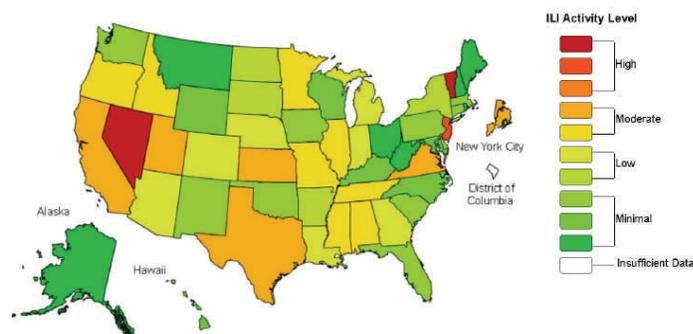


**Outbreaks:** 1 ILI outbreak was reported for week 7. Between October 1, 2012, and February 16, 2013, 46 outbreaks involving ILI have been reported (including outbreaks of mixed etiology); 33 so far have been laboratory confirmed as influenza virus.

**National Influenza Data:** During week 7 (February 10 - 16, 2013), influenza activity remained elevated in the United States, but decreased in most areas.

- o **Viral Surveillance:** Of 8,144 specimens tested and reported by collaborating laboratories, 1,371 (16.8%) were positive for influenza.
- o **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was above the epidemic threshold.
- o **Influenza-Associated Pediatric Deaths:** Fourteen pediatric deaths were reported.
- o **Influenza-Associated Hospitalizations:** A cumulative rate for the season of 34.2 laboratory-confirmed influenza associated hospitalizations per 100,000 population was reported. Of reported hospitalizations, more than 50% were among adults 65 years and older.
- o **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 2.8%. This is above the national baseline of 2.2%. All 10 regions reported ILI at or above region-specific baseline levels. Three states experienced high ILI activity; 13 states and New York City experienced moderate activity; 11 states experienced low activity; 23 states experienced minimal activity, and the District of Columbia had insufficient data.
- o **Geographic Spread of Influenza:** Twenty-two states reported widespread influenza activity; Puerto Rico and 21 states reported regional influenza activity; the District of Columbia and 6 states reported local influenza activity; 1 state reported sporadic influenza activity; Guam reported no influenza activity, and the U.S. Virgin Islands did not report.

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet  
2012-13 Influenza Season Week 7 ending Feb 16, 2013



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\*  
Week ending February 10, 2013 - Week 7



**Map above Right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

### Additional resources:

- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- New MMWR on flu vaccine effectiveness: [http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6207a3.htm?s\\_cid=mm6207a3\\_w](http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6207a3.htm?s_cid=mm6207a3_w)

## Current Week's Data at a Glance: Feb 17-23, 2013 (Week 8)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Moderate</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Widespread</b>
<b>Percent of outpatient visits for ILI</b>	<b>3.1%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>21</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>22</b>
<b>Reported ILI outbreaks</b>	<b>2</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>32%</b>

<sup>1</sup>Levels are determined by CDC. Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

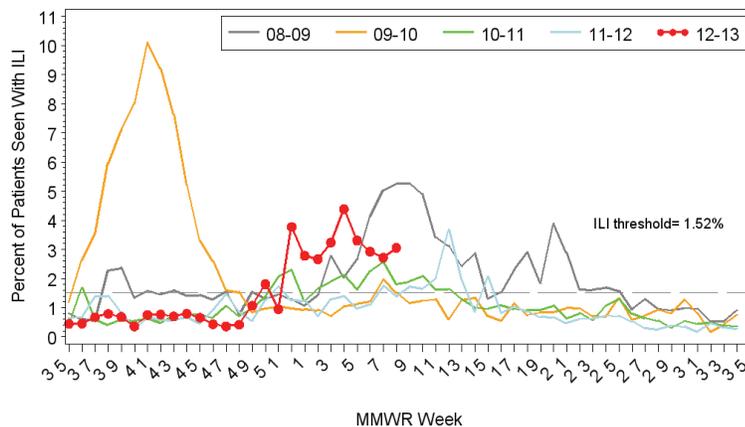
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

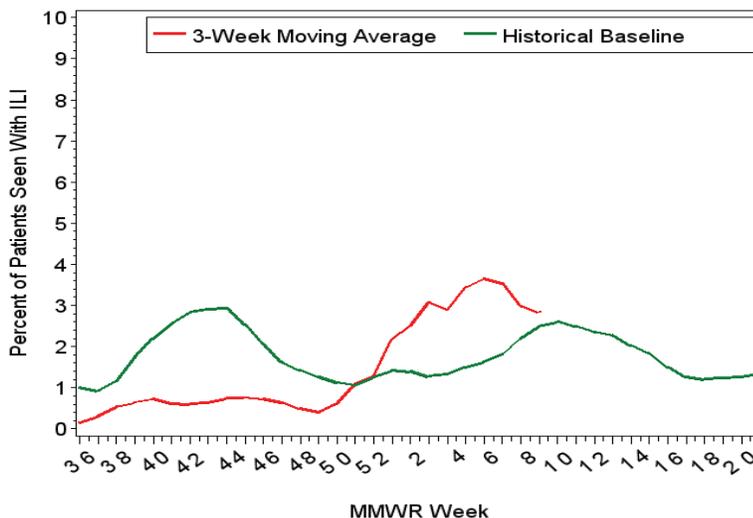
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Health Authority, Acute and Communicable Disease Prevention 28FEB13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 28FEB13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for week 8 of 2013 was 3.1% which is above Oregon's seasonal threshold of 1.52%.\***

*Note:* ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. \*The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for percent of outpatients seen with ILI in week 8 was 2.9%, above the historical baseline.**

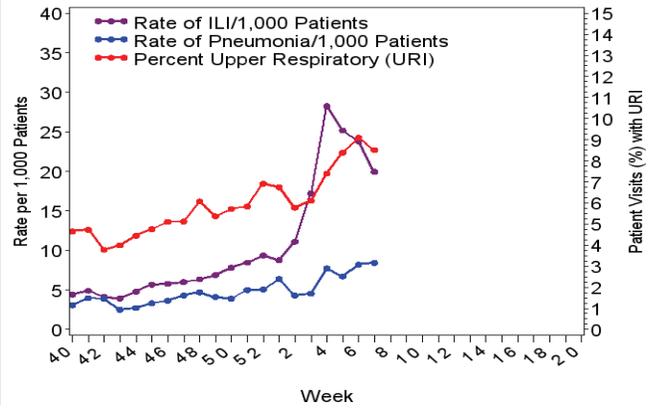
The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

All FluBites data provided are preliminary, and may change as additional reports are received.

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. **The rate of ILI per 1,000 OCHIN patients was 20 during week 7.**

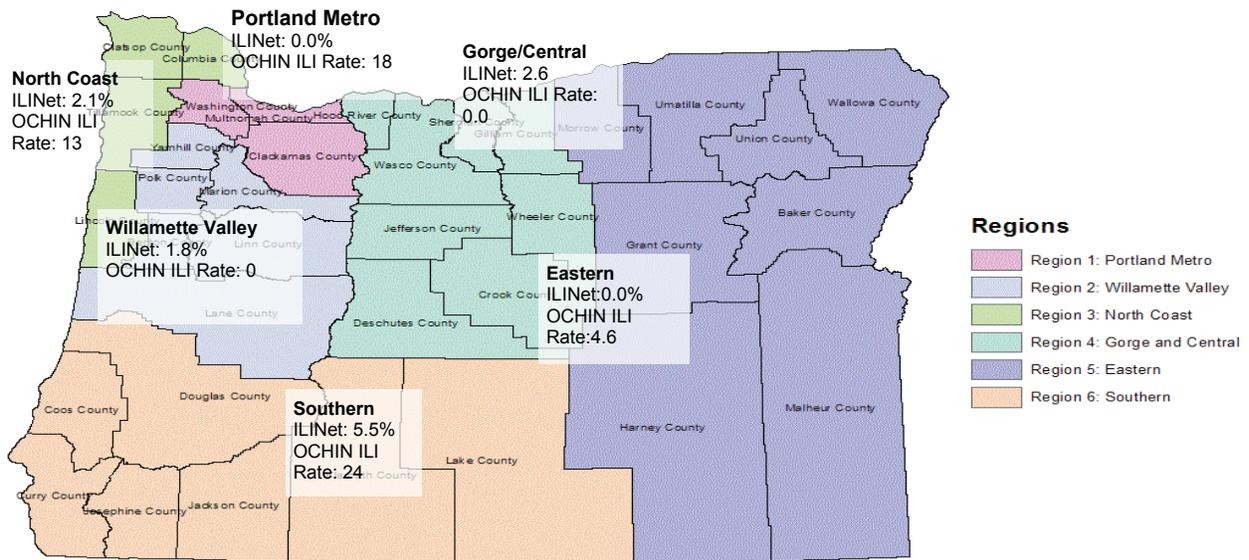
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes and reason for visit.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013

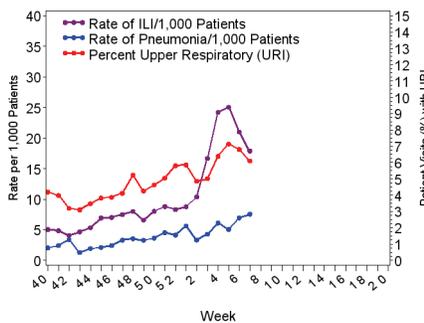


Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

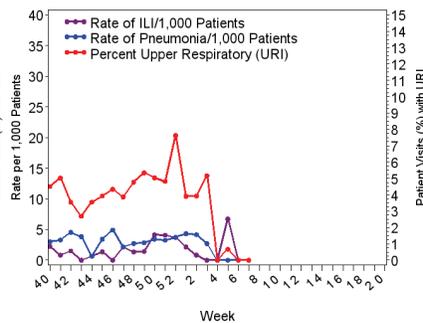
**ILI Activity by Region: ILINet (% ILI) and OCHIN ILI Rate**



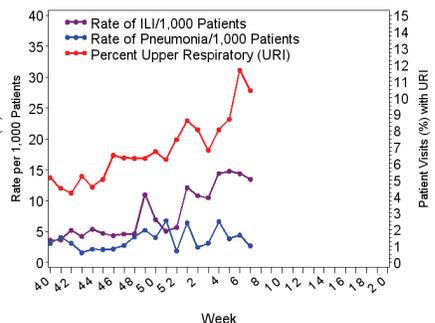
Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



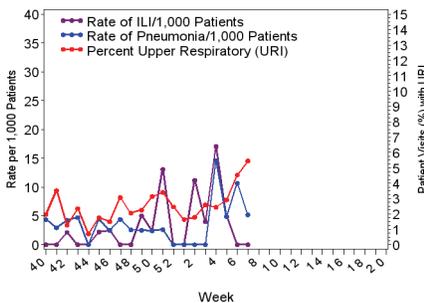
Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



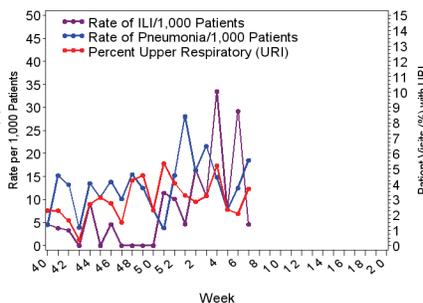
Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



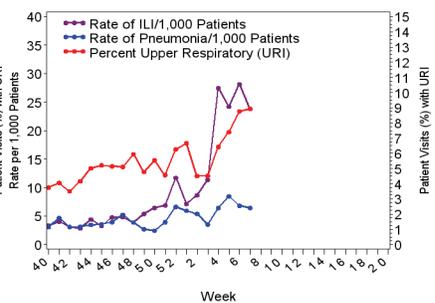
Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



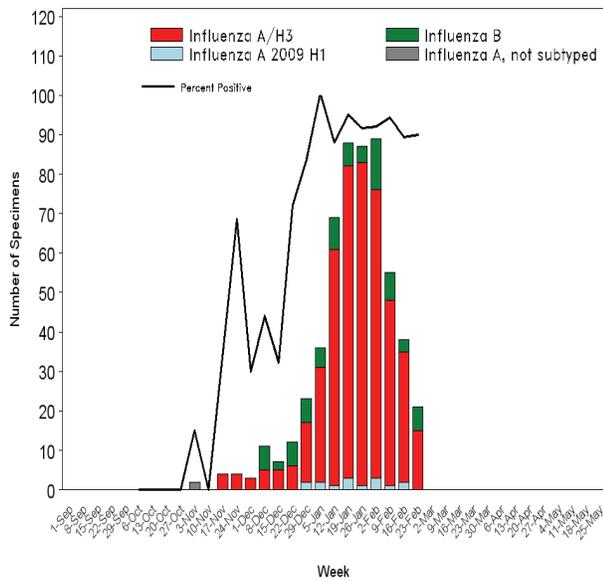
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

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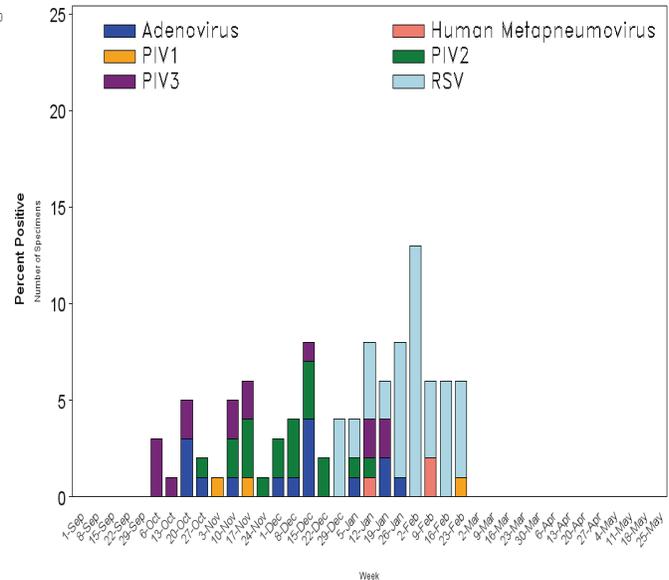
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

# Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

**Tables 1 and 2** show the current week and cumulative totals (since **Oct. 1, 2012**) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

	Current Week	Cumulative
<b>Influenza A</b>	15 (54%)	475 (56%)
2009 pH1N1	0	15 (2%)
Seasonal A H3	15 (54%)	460 (54%)
Not subtyped	0	2 (<1%)
<b>Influenza B</b>	6 (21%)	72 (8%)
Undetected	7 (25%)	302 (36%)
<b>Total Tested</b>	<b>28</b>	<b>849</b>

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

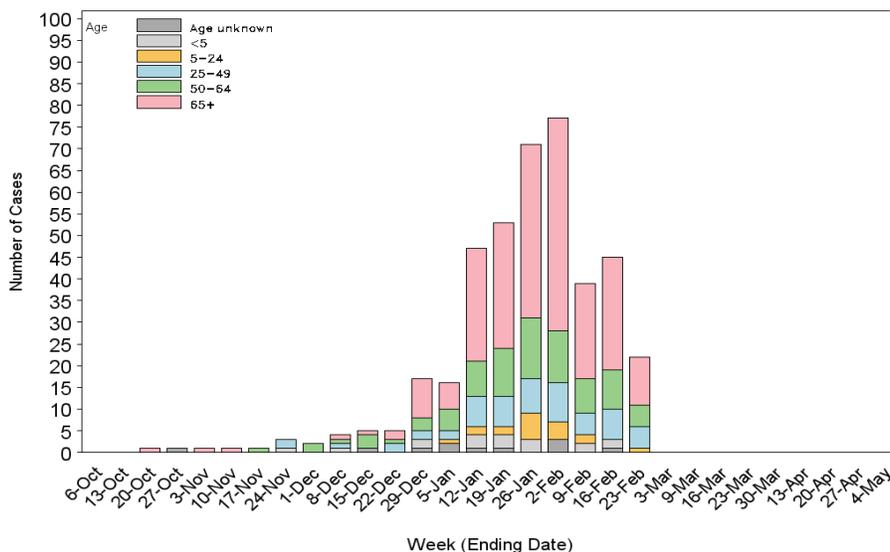
	Current Week	Cumulative
<b>Adenovirus</b>	0	15 (5%)
<b>Parainfluenza type 1</b>	1 (17%)	3 (1%)
<b>Parainfluenza type 2</b>	0	19 (6%)
<b>Parainfluenza type 3</b>	0	15 (5%)
<b>Human Metapneumovirus</b>	0	3 (1%)
<b>RSV</b>	5 (83%)	47 (16%)
<b>Total Tested</b>	<b>6</b>	<b>302</b>

\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

### Tri-County Influenza Hospitalizations:

22 hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 8. A cumulative total of 411 hospitalizations have been reported since October 1, 2012.

Portland Metro Area Influenza-Associated Hospitalizations by Week and Age Group, 2012-2013



**Outbreaks:** 2 ILI outbreaks were reported for week 8. Between October 1, 2012, and February 23, 2013, 48 outbreaks involving ILI have been reported (including outbreaks of mixed etiology, like RSV and influenza); 36 so far have been laboratory confirmed as influenza virus.

**National Data:** Due to the early posting of this week’s FluBites, we’re not including national data here. You can check the CDC’s Fluview on Friday, March 1, for the latest flu maps and national ILI data: <http://www.cdc.gov/flu/weekly/>

**Additional resources:**

- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- New MMWR on flu vaccine effectiveness: [http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6207a3.htm?s\\_cid=mm6207a3\\_w](http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6207a3.htm?s_cid=mm6207a3_w)

## Current Week's Data at a Glance: Feb 24-Mar 02, 2013 (Week 9)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Low</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Widespread</b>
<b>Percent of outpatient visits for ILI</b>	<b>2.4%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>12</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>10</b>
<b>Reported ILI outbreaks</b>	<b>2</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>32%</b>

<sup>1</sup>Levels are determined by CDC. Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

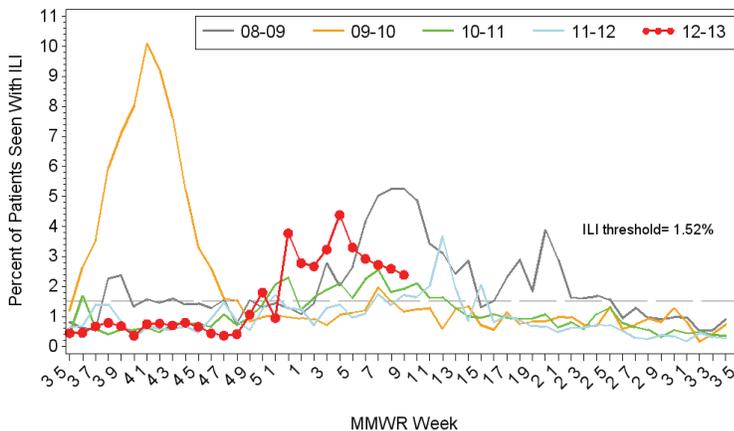
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

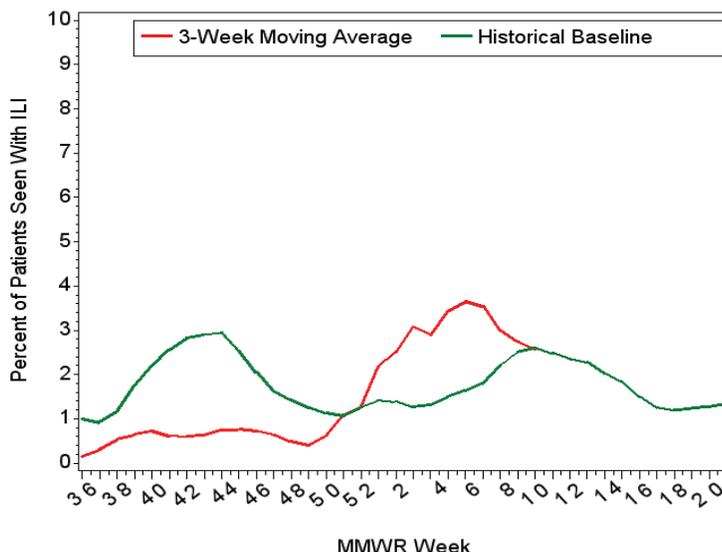
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Health Authority, Acute and Communicable Disease Prevention 07MAR13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 07MAR13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for week 9 of 2013 was 2.4% which is above Oregon's seasonal threshold of 1.52%.\***

*Note:* ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. \*The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for percent of outpatients seen with ILI in week 9 was 2.6%, which is at the same level as the historical baseline for this week.**

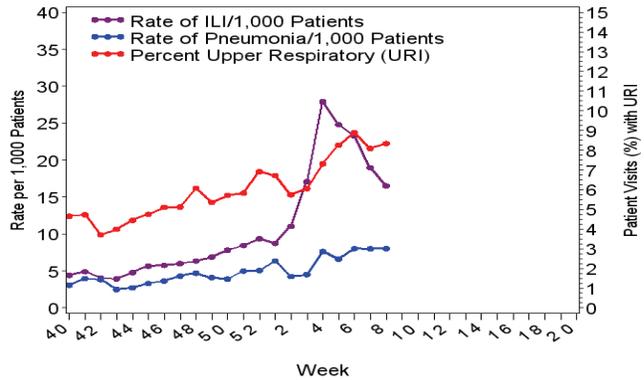
The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

All FluBites data provided are preliminary, and may change as additional reports are received.

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. **The rate of ILI per 1,000 OCHIN patients was 17 during week 8.**

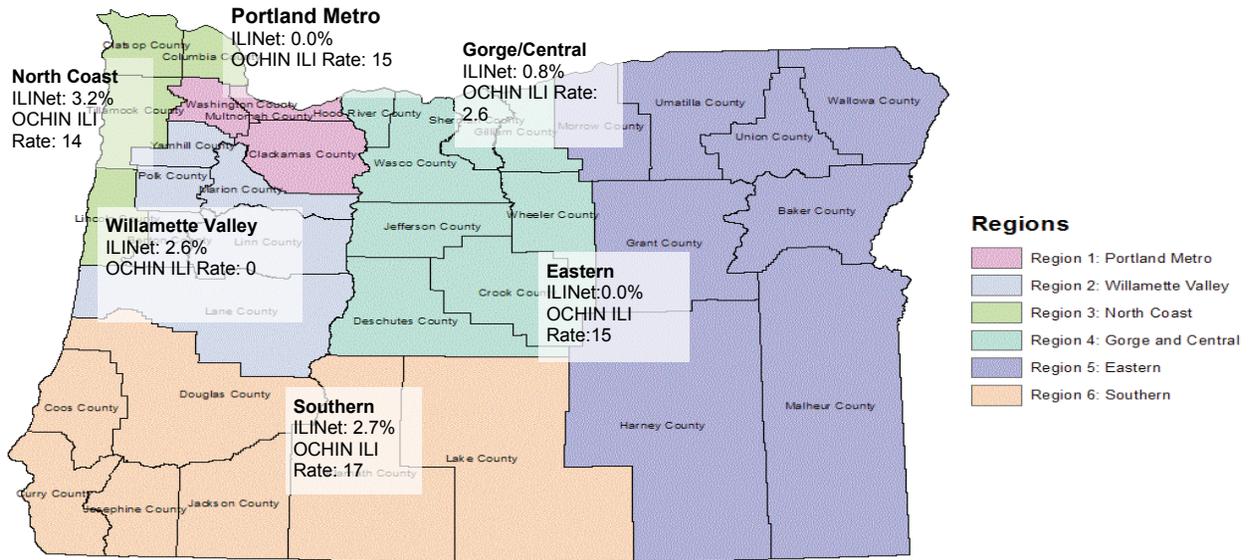
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes and reason for visit.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013

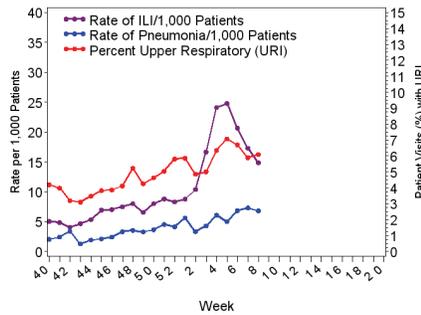


Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

**ILI Activity by Region: ILINet (% ILI) and OCHIN ILI Rate**

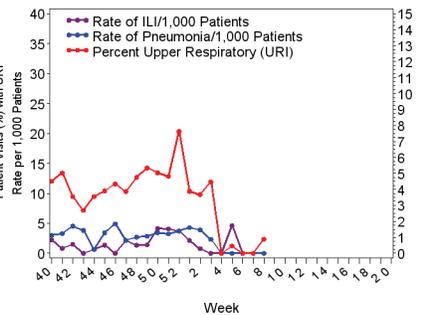


Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



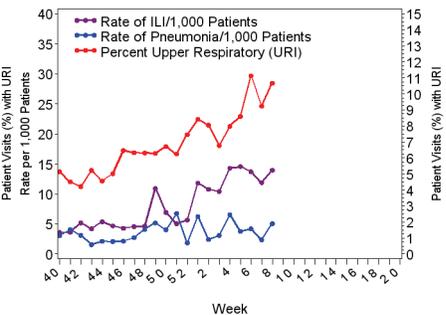
Categories based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



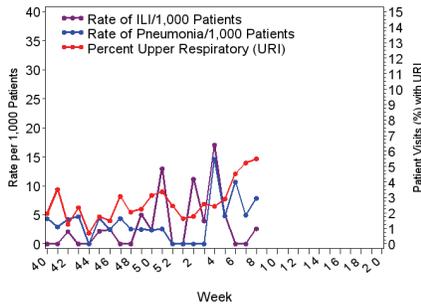
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



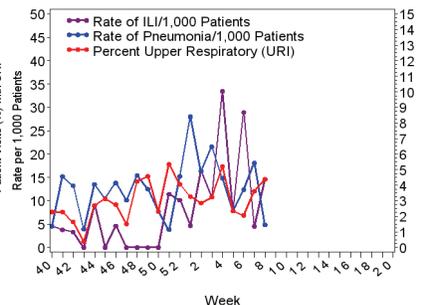
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



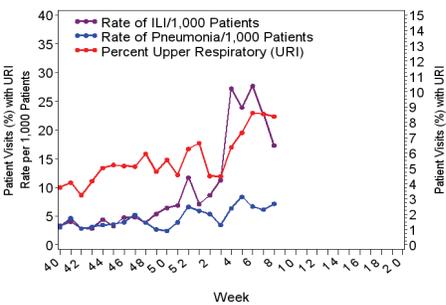
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

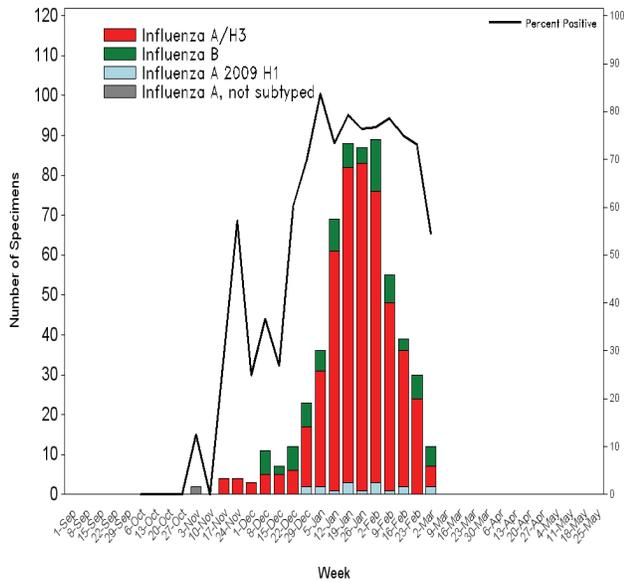
Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



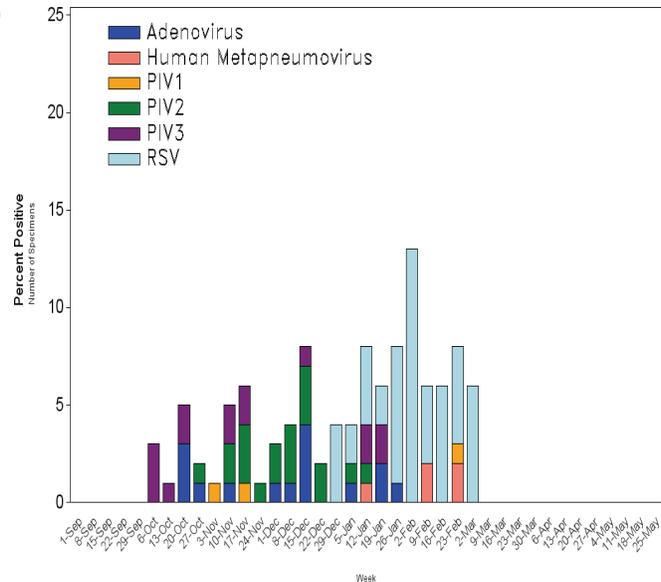
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

# Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

Tables 1 and 2 show the current week and cumulative totals (since Oct. 1, 2012) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

	Current Week	Cumulative
<b>Influenza A</b>	7 (32%)	492 (55%)
2009 pH1N1	2 (9%)	17 (2%)
Seasonal A H3	5 (23%)	475 (54%)
Not subtyped	0	2 (<1%)
<b>Influenza B</b>	5 (23%)	77(9%)
Undetected	10 (45%)	316 (36%)
<b>Total Tested</b>	<b>22</b>	<b>887</b>

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

	Current Week	Cumulative
<b>Adenovirus</b>	0	15 (5%)
<b>Parainfluenza type 1</b>	0	3 (1%)
<b>Parainfluenza type 2</b>	0	19 (6%)
<b>Parainfluenza type 3</b>	0	15 (5%)
<b>Human Metapneumovirus</b>	0	5 (2%)
<b>RSV</b>	6 (27%)	53 (17%)
<b>Total Tested</b>	<b>10</b>	<b>318</b>

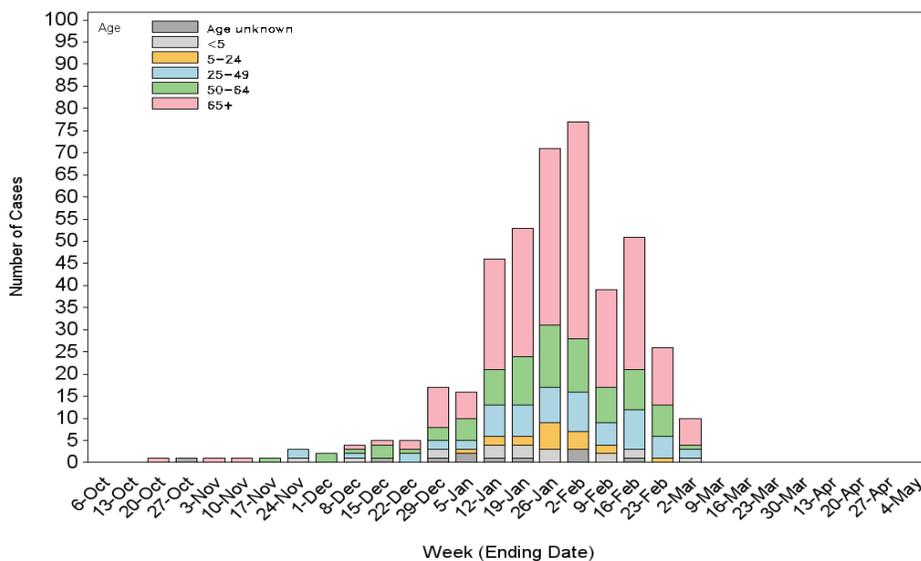
\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

### Tri-County Influenza Hospitalizations:

10 hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 9.

A cumulative total of 430 hospitalizations have been reported since October 1, 2012.

Portland Metro Area Influenza-Associated Hospitalizations by Week and Age Group, 2012-2013



**Outbreaks:** 2 ILI outbreaks were reported for week 9. Between October 1, 2012, and March 02, 2013, 50 outbreaks involving ILI have been reported (including outbreaks of mixed etiology, like RSV and influenza); 36 so far have been laboratory confirmed as influenza virus.

**National Data:** Due to the early posting of this week’s FluBites, we’re not including national data here. You can check the CDC’s Fluview on Friday, March 8, for the latest flu maps and national ILI data: <http://www.cdc.gov/flu/weekly/>

**Additional resources:**

- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- New MMWR on flu vaccine effectiveness: [http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6207a3.htm?s\\_cid=mm6207a3\\_w](http://www.cdc.gov/mmwr/preview/mmwrhtml/mm6207a3.htm?s_cid=mm6207a3_w)

## Current Week's Data at a Glance: Mar 03-09, 2013 (Week 10)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Minimal</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Regional</b>
<b>Percent of outpatient visits for ILI</b>	<b>1.0%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>2</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>5</b>
<b>Reported ILI outbreaks</b>	<b>1</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>31%</b>

<sup>1</sup>Levels are determined by CDC. Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

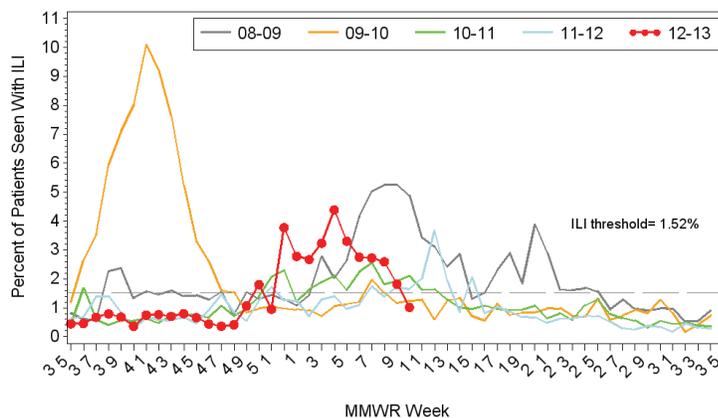
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

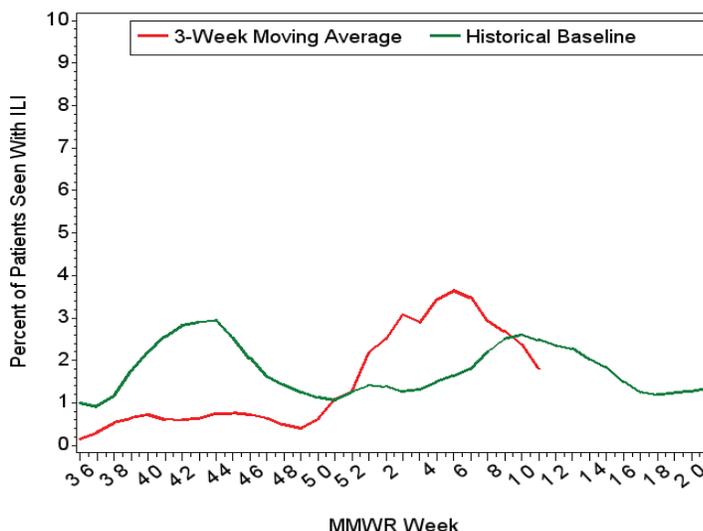
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Health Authority, Acute and Communicable Disease Prevention 15MAR13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 15MAR13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for week 10 of 2013 was 1.0% which is below Oregon's seasonal threshold of 1.52%.\***

*Note:* ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. \*The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for percent of outpatients seen with ILI in week 10 was 1.8%, which is below the historical baseline for this week.**

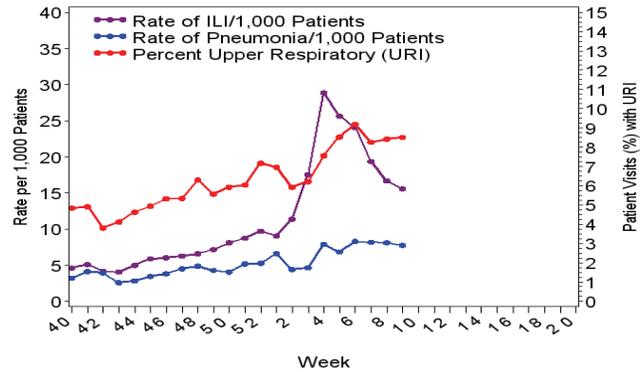
The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

All FluBites data provided are preliminary, and may change as additional reports are received.

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. **The rate of ILI per 1,000 OCHIN patients was 16 during week 9.**

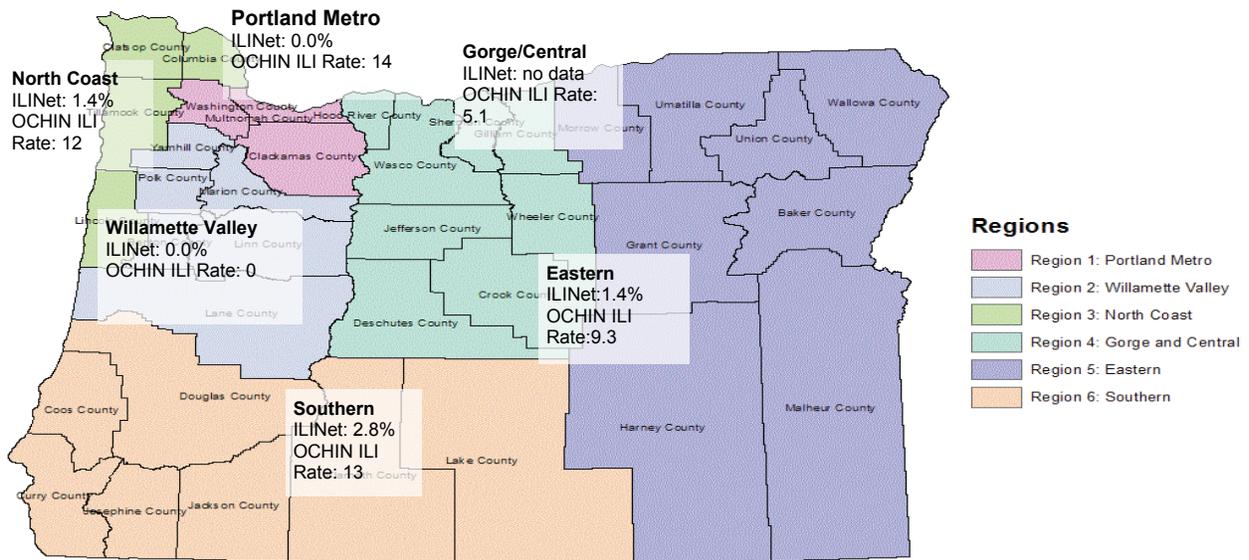
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes and reason for visit.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013

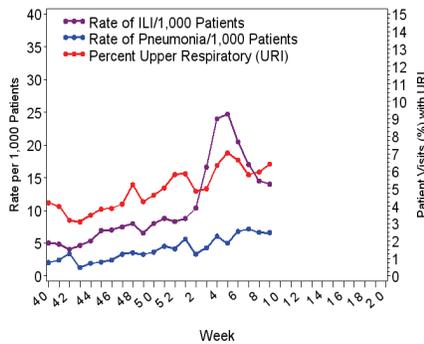


Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

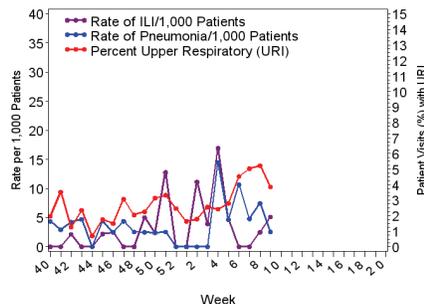
**ILI Activity by Region: ILINet (% ILI) and OCHIN ILI Rate**



Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013

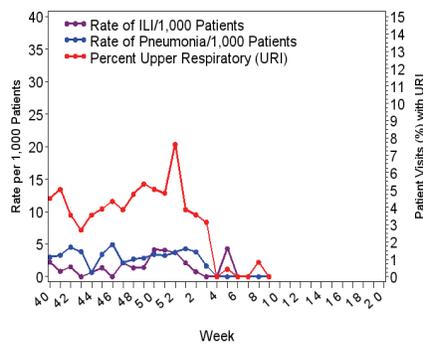


Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013

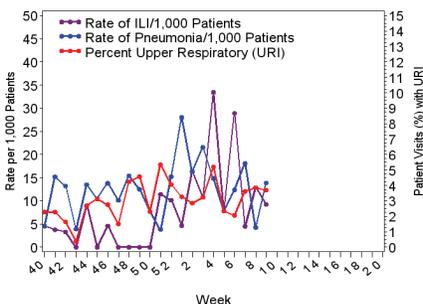


Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013

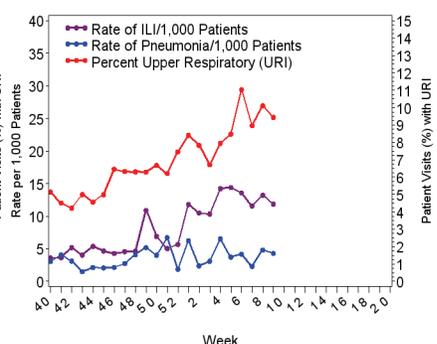


Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013

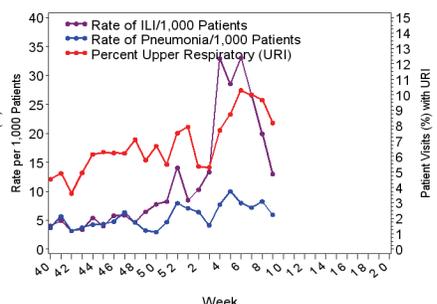


Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



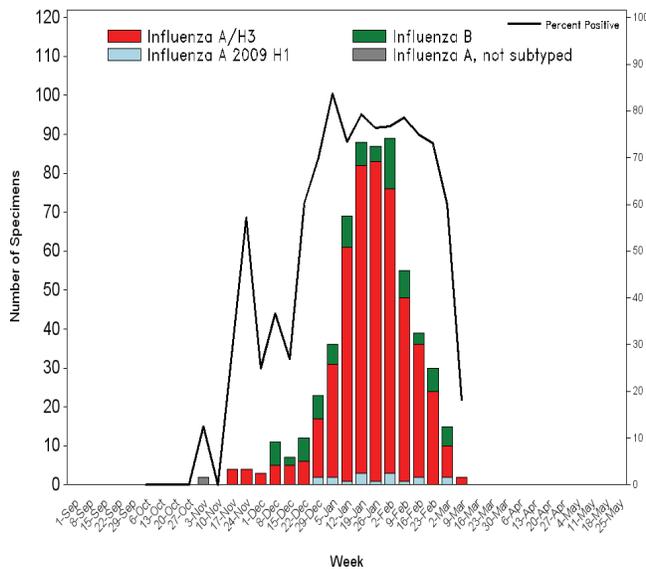
Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



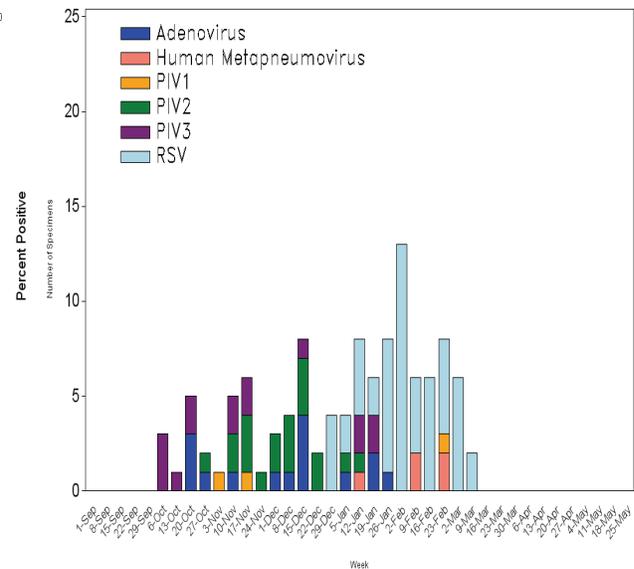
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

# Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

Tables 1 and 2 show the current week and cumulative totals (since Oct. 1, 2012) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

	Current Week	Cumulative
<b>Influenza A</b>	2 (22%)	499 (55%)
2009 pH1N1	0	17 (2%)
Seasonal A H3	2 (22%)	480 (53%)
Not subtyped	0	2 (<1%)
<b>Influenza B</b>	0	77(9%)
Undetected	7 (78%)	325 (36%)
<b>Total Tested</b>	<b>9</b>	<b>901</b>

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

	Current Week	Cumulative
<b>Adenovirus</b>	0	15 (5%)
<b>Parainfluenza type 1</b>	0	3 (1%)
<b>Parainfluenza type 2</b>	0	19 (6%)
<b>Parainfluenza type 3</b>	0	15 (5%)
<b>Human Metapneumovirus</b>	0	5 (2%)
<b>RSV</b>	2 (29%)	55 (17%)
<b>Total Tested</b>	<b>7</b>	<b>325</b>

\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project

## Current Week's Data at a Glance: Mar 10-16, 2013 (Week 11)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Minimal</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Local</b>
<b>Percent of outpatient visits for ILI</b>	<b>1.4%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>7</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>6</b>
<b>Reported ILI outbreaks</b>	<b>1</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>27%</b>

<sup>1</sup>Levels are determined by CDC. Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

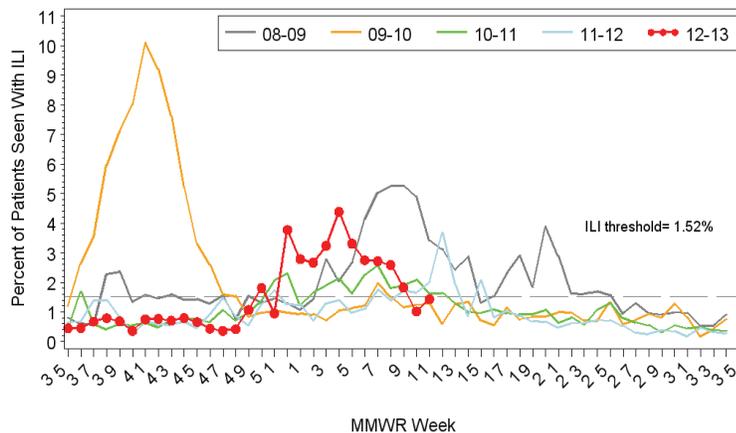
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

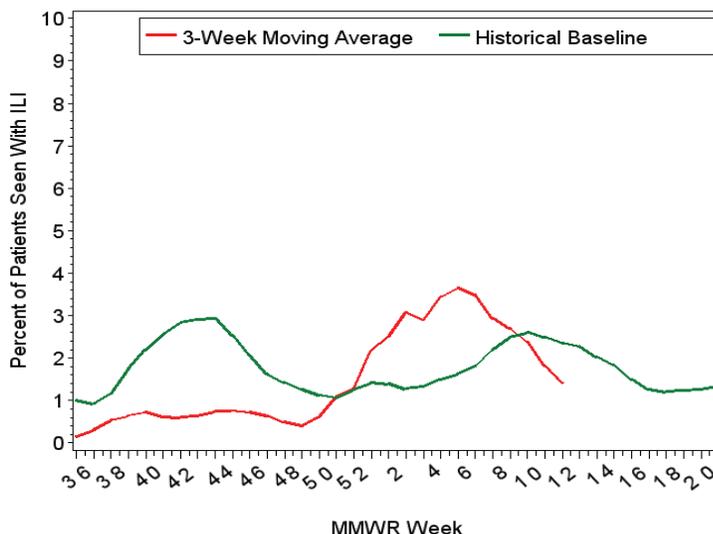
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 22MAR13  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 22MAR13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for week 11 of 2013 was 1.4% which is below Oregon's seasonal threshold of 1.52%.\***

*Note:* ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. \*The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for percent of outpatients seen with ILI in week 11 was 1.4%, which is below the historical baseline for this week.**

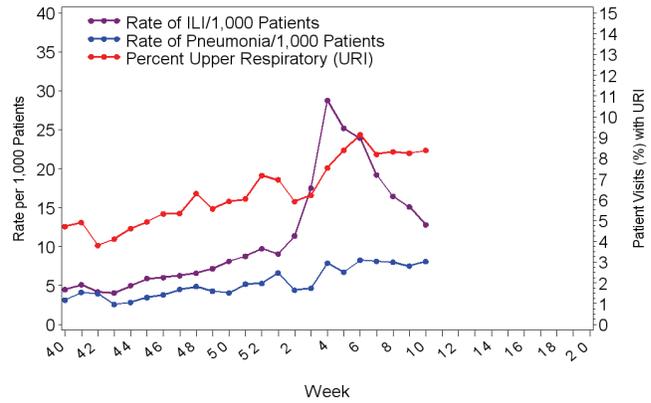
The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

All FluBites data provided are preliminary, and may change as additional reports are received.

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. **The rate of ILI per 1,000 OCHIN patients was 13 during week 10.**

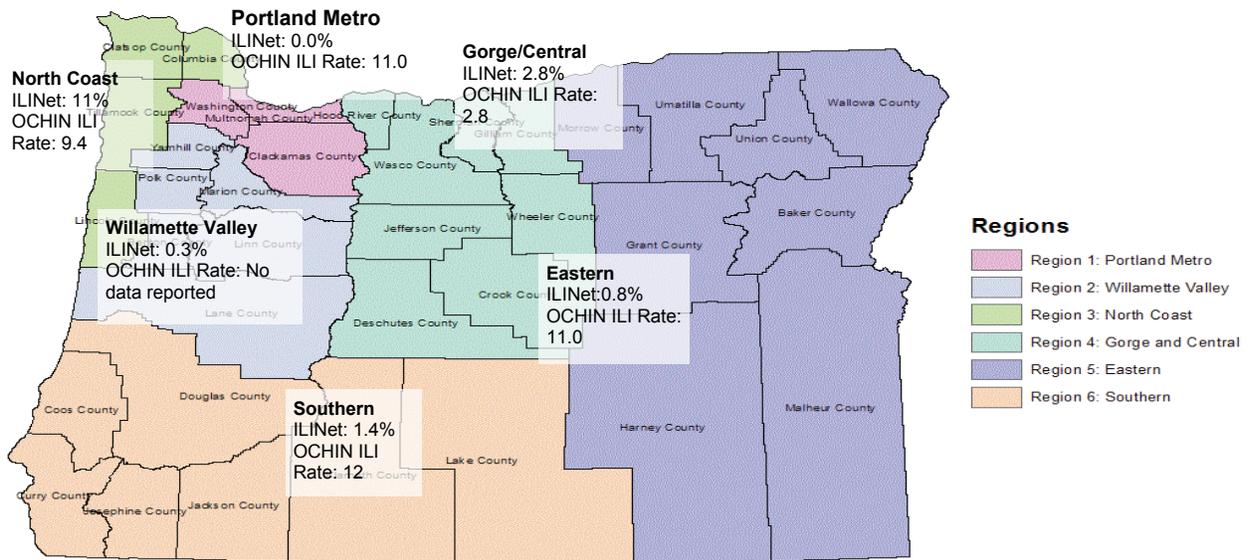
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes and reason for visit.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013

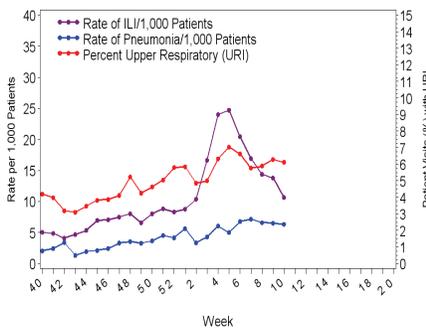


Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

**ILI Activity by Region: ILINet (% ILI) and OCHIN ILI Rate**

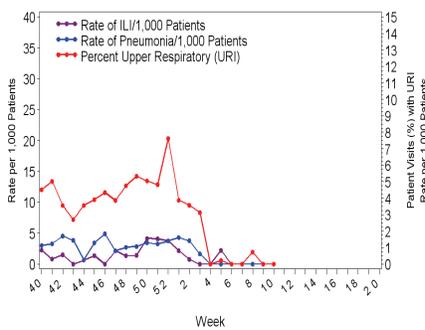


Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



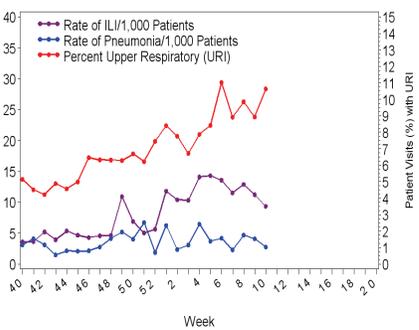
Categories based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



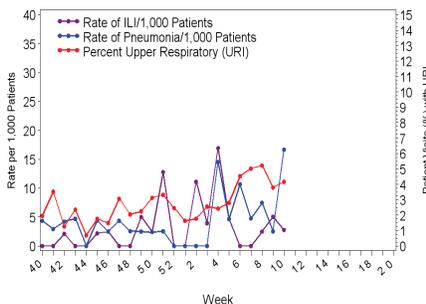
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



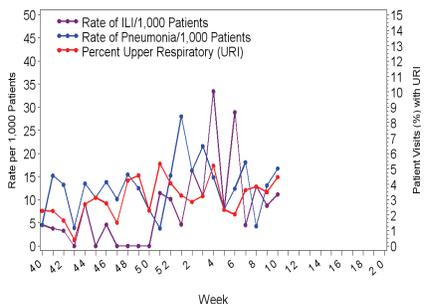
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



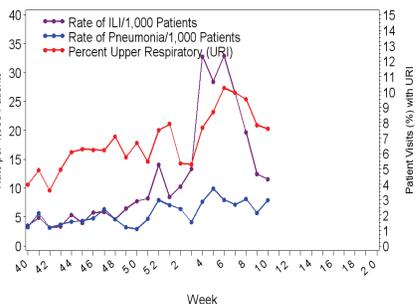
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

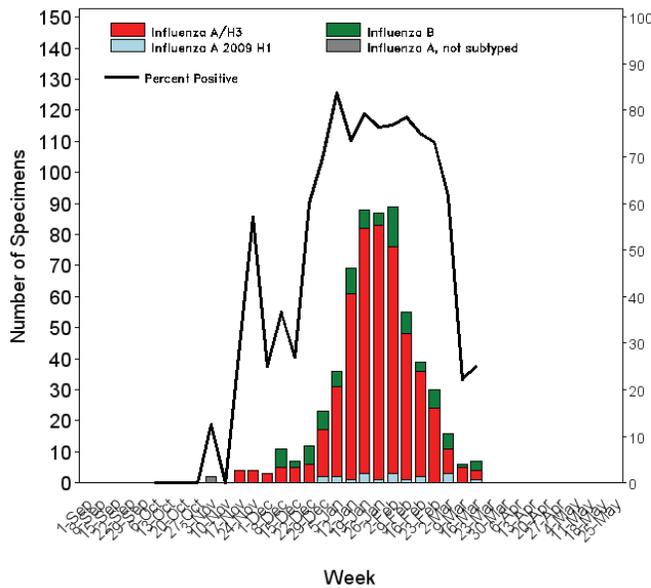
Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



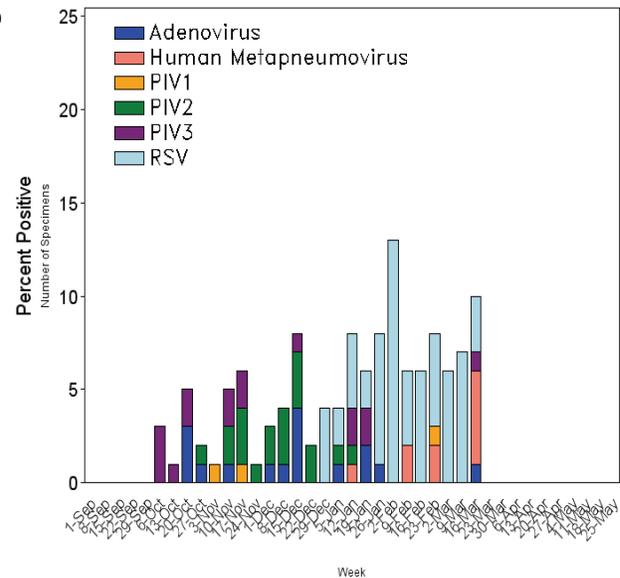
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

## Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

**Tables 1 and 2** show the current week and cumulative totals (since **Oct. 1, 2012**) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-**

	Current Week	Cumulative
<b>Influenza A</b>	4 (14%)	507(53%)
2009 pH1N1	1 (4%)	19 (2%)
Seasonal A H3	3 (11%)	486 (51%)
Not subtyped	0	2 (<1%)
<b>Influenza B</b>	3 (11%)	81(9%)
Undetected	21 (75%)	358 (38%)
<b>Total Tested</b>	<b>28</b>	<b>946</b>

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13 .\***

	Current Week	Cumulative
<b>Adenovirus</b>	1 (5%)	16 (5%)
<b>Parainfluenza type 1</b>	0	3 (1%)
<b>Parainfluenza type 2</b>	0	19 (6%)
<b>Parainfluenza type 3</b>	1 (5%)	16 (5%)
<b>Human Metapneumovirus</b>	5 (24%)	10 (2%)
<b>RSV</b>	3 (14%)	63 (17%)
<b>Total Tested</b>	<b>21</b>	<b>358</b>

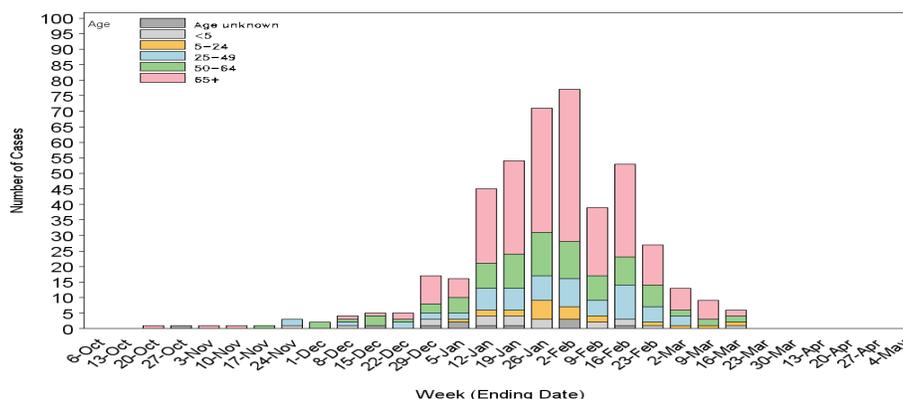
\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project

### Tri-County Influenza Hospitalizations:

6 hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 11.

A cumulative total of 451 hospitalizations have been reported since October 1, 2012.

Portland Metro Area Influenza-Associated Hospitalizations by Week and Age Group, 2012-2013



**Outbreaks:** One ILI outbreak was reported for week 11. Between October 1, 2012, and March 16, 2013, 51 outbreaks involving ILI have been reported (including outbreaks of mixed etiology, like RSV and influenza); 37 so far have been laboratory confirmed as influenza virus.

**National Data:** During week 11 (March 10 – 16, 2013), influenza activity remained elevated in the United States, but decreased in most areas.

- o **Viral Surveillance:** Of 5,526 specimens tested and reported by collaborating laboratories, 899 (16.3%) were positive for influenza.

- o **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was above the epidemic threshold.

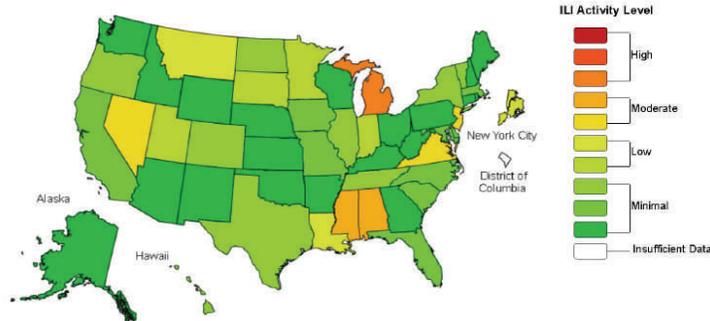
- o **Influenza-Associated Pediatric Deaths:** Six pediatric deaths were reported.

- o **Influenza-Associated Hospitalizations:** A cumulative rate for the season of 40.6 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported. Of reported hospitalizations, 51% were among adults 65 years and older.

- o **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 2.2%. This is at the national baseline of 2.2%. Three of 10 regions reported ILI above region-specific baseline levels. One state experienced high ILI activity; 5 states experienced moderate activity; 6 states and New York City experienced low activity; 38 states experienced minimal activity, and the District of Columbia had insufficient data.

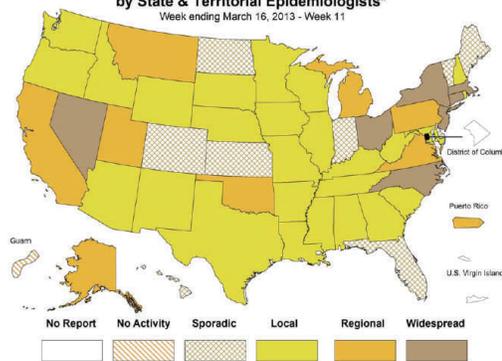
- o **Geographic Spread of Influenza:** Seven states reported widespread influenza activity; Puerto Rico and 8 states reported regional influenza activity; 26 states reported local influenza activity; 9 states reported sporadic influenza activity; Guam reported no influenza

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet  
2012-13 Influenza Season Week 11 ending Mar 16, 2013



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\*  
Week ending March 16, 2013 - Week 11



**Map above Right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

### Additional resources:

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

**2013-2014 Influenza Vaccine Composition:** Both the World Health Organization and Food and Drug Administration's Vaccines and Related Biological Products Advisory Committee recommend that 2013-14 trivalent vaccines contain an A/California/7/2009-like (2009 H1N1) virus, an A(H3N2) virus antigenically like the cell-propagated, or cell-grown, virus A/Victoria/361/2011 (A/Texas/50/2012), and a B/Massachusetts/2/2012-like (B/Yamagata lineage) virus. Quadrivalent vaccines are recommended to contain a B/Brisbane/60/2008-like (B/Victoria lineage) virus in addition to the viruses recommended for the trivalent vaccines.

## Current Week's Data at a Glance: Mar 24—30, 2013 (Week 13)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Minimal</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Sporadic</b>
<b>Percent of outpatient visits for ILI</b>	<b>0.9%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>1</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>3</b>
<b>Reported ILI outbreaks</b>	<b>0</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>19%</b>

<sup>1</sup>Levels are determined by CDC. Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

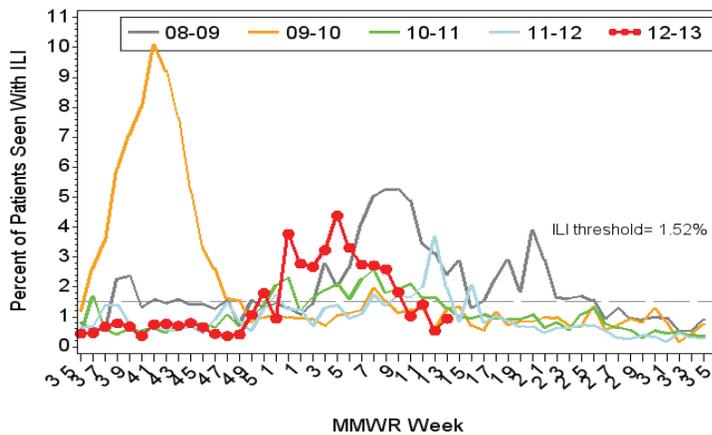
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

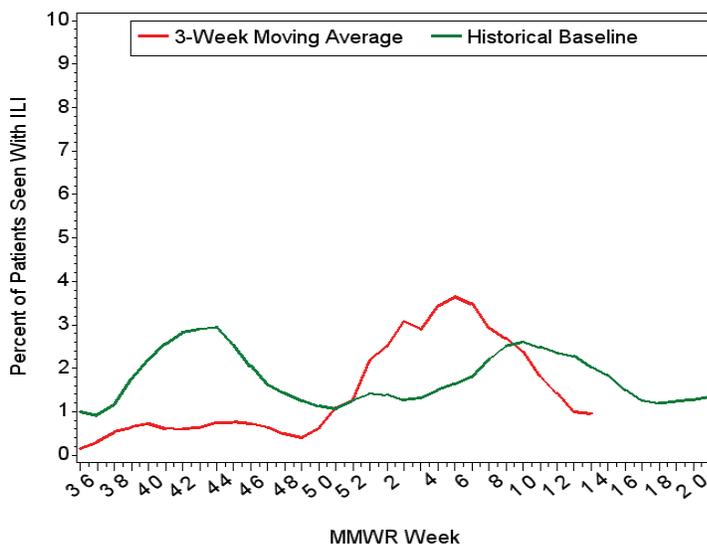
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 04APR13  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 04APR13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for week 13 of 2013 was 0.9% which is below Oregon's seasonal threshold of 1.52%.\***

*Note:* ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. \*The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for percent of outpatients seen with ILI in week 13 was 1.0%, which is below the historical baseline for this week.**

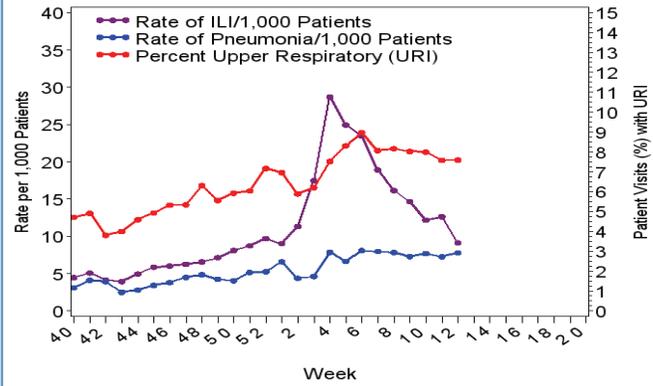
The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

All FluBites data provided are preliminary, and may change as additional reports are received.

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. **The rate of ILI per 1,000 OCHIN patients was 9.2 during week 12.**

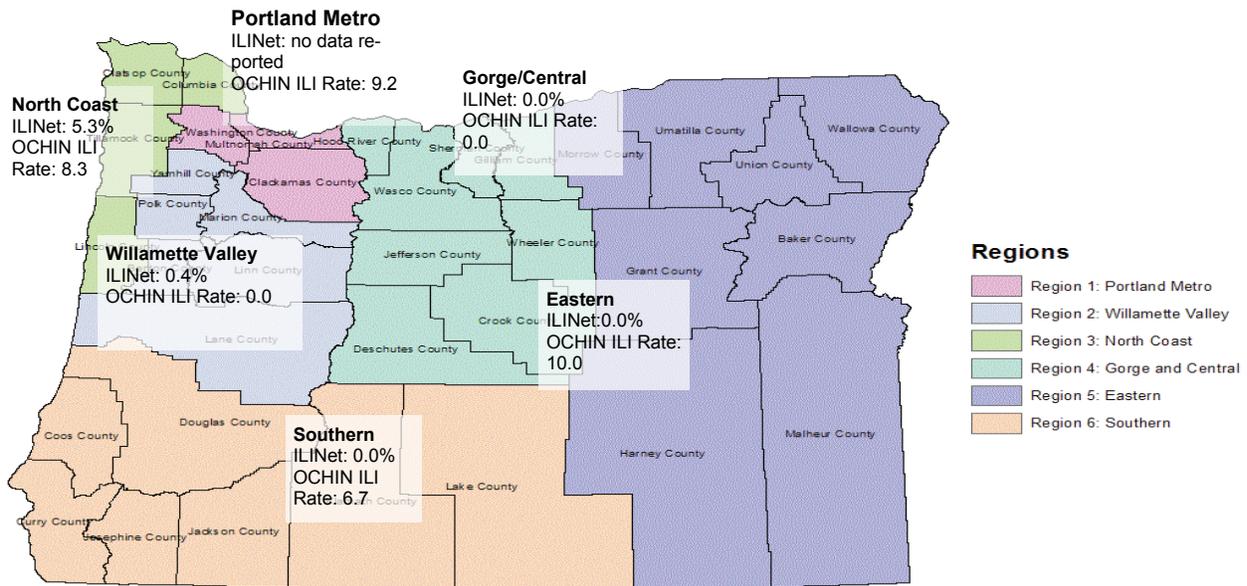
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes and reason for visit.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013

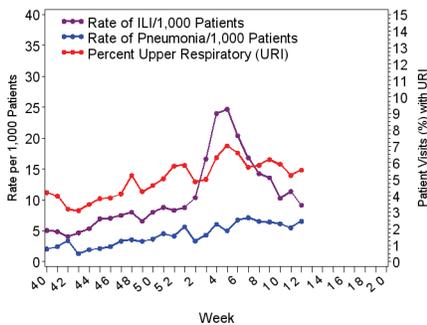


Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

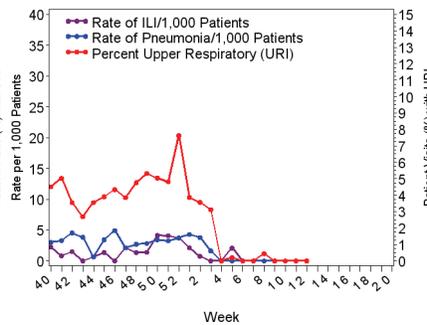
**ILI Activity by Region: ILINet (% ILI) and OCHIN ILI Rate**



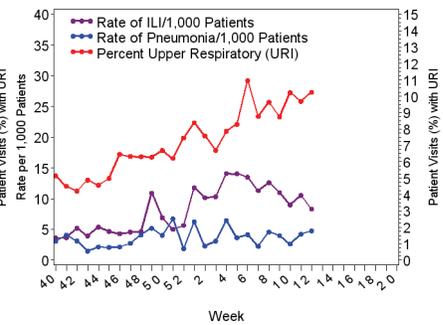
Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



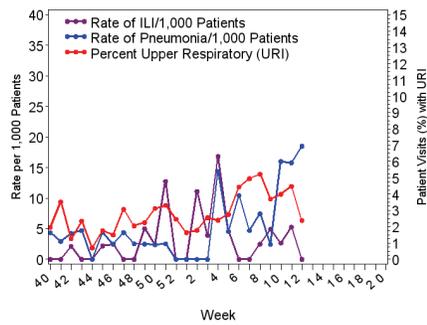
Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



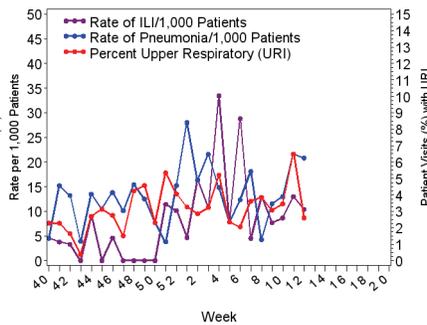
Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



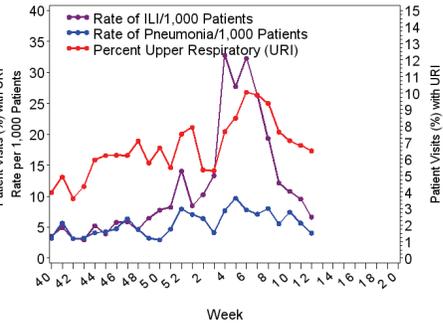
Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



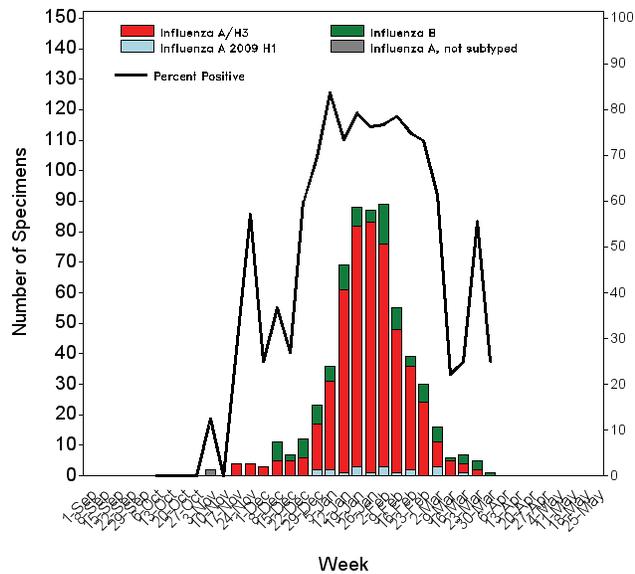
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

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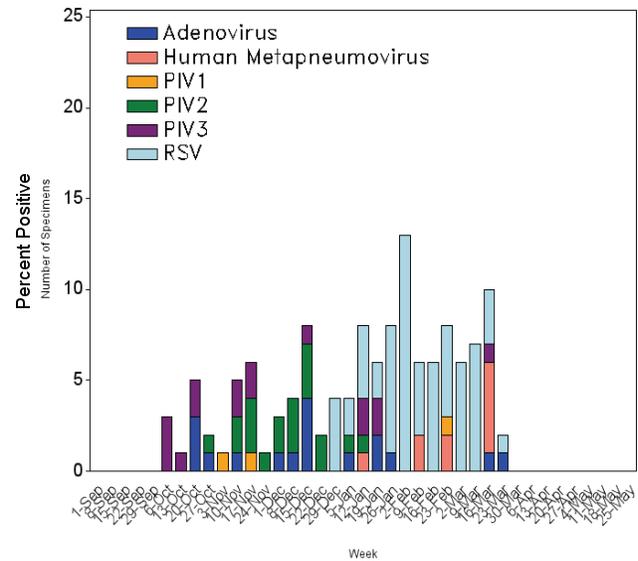
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

## Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

**Tables 1 and 2** show the current week and cumulative totals (since **Oct. 1, 2012**) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

	Current Week	Cumulative
<b>Influenza A</b>	0	509 (53%)
2009 pH1N1	0	19 (2%)
Seasonal A H3	0	488 (51%)
Not subtyped	0	2 (<1%)
<b>Influenza B</b>	1 (25%)	85 (9%)
Undetected	3 (75%)	365 (38%)
<b>Total Tested</b>	<b>4</b>	<b>959</b>

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

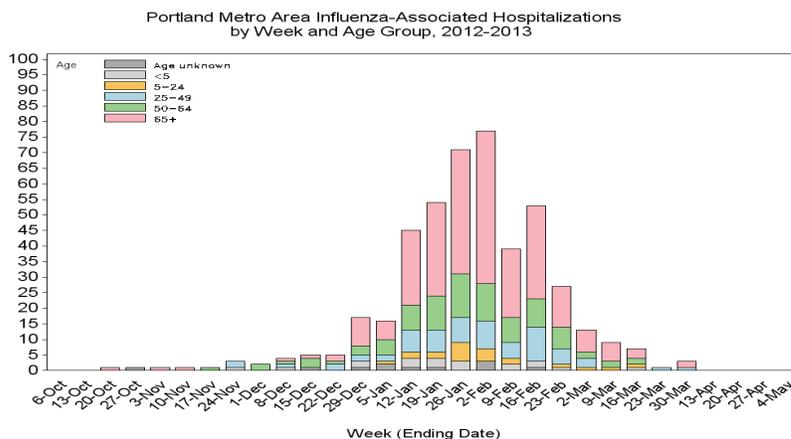
	Current Week	Cumulative
<b>Adenovirus</b>	0	17 (5%)
<b>Parainfluenza type 1</b>	0	3 (1%)
<b>Parainfluenza type 2</b>	0	19 (5%)
<b>Parainfluenza type 3</b>	0	16 (5%)
<b>Human Metapneumovirus</b>	0	10 (3%)
<b>RSV</b>	0	64 (17%)
<b>Total Tested</b>	<b>3</b>	<b>366</b>

\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project

### Tri-County Influenza Hospitalizations:

Three hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 13.

A cumulative total of 456 hospitalizations have been reported since October 1, 2012.

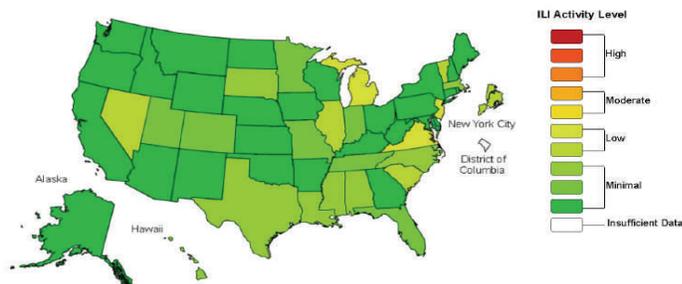


**Outbreaks:** No ILI outbreaks were reported for week 13. Between October 1, 2012, and March 23, 2013, 52 outbreaks involving ILI have been reported (including outbreaks of mixed etiology, like RSV and influenza); 37 so far have been laboratory confirmed as influenza virus.

**National Data:** During week 13 (March 24 – 30, 2013), influenza activity decreased in the United States.

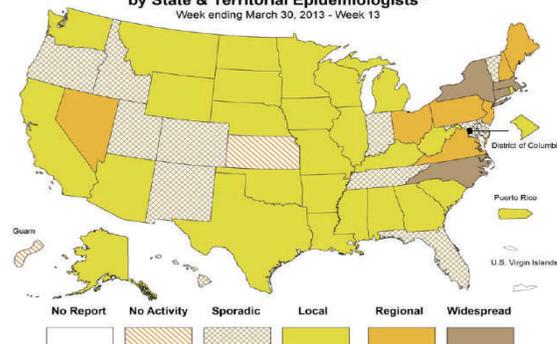
- o Viral Surveillance: Of 4,909 specimens tested and reported by collaborating laboratories, 555 (11.3%) were positive for influenza.
- o Pneumonia and Influenza Mortality: The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.
- o Influenza-Associated Pediatric Deaths: One pediatric death was reported.
- o Influenza-Associated Hospitalizations: A cumulative rate for the season of 42.3 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported. Of reported hospitalizations, 50% were among adults 65 years and older.
- o Outpatient Illness Surveillance: The proportion of outpatient visits for influenza-like illness (ILI) was 1.8%. This is below the national baseline of 2.2%. Three of 10 regions reported ILI at or above region-specific baseline levels. Seven states and New York City experienced low activity; 43 states experienced minimal activity, and the District of Columbia had insufficient data.
- o Geographic Spread of Influenza: Four states reported widespread influenza activity; 7 states reported regional influenza activity; the District of Columbia, Puerto Rico, and 26 states reported local influenza activity; 12 states reported sporadic influenza activity; Guam and one state reported no influenza activity, and the U.S. Virgin Islands did not report.

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet**  
2012-13 Influenza Season Week 13 ending Mar 30, 2013



**Map above left.** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

**Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\***  
Week ending March 30, 2013 - Week 13



**Map above Right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

### Additional resources:

- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- Information about influenza A H7N9 in China: <http://www.cdc.gov/flu/avianflu/h7n9-virus.htm>, <http://www.who.int/csr/don/en/index.html>

## Current Week's Data at a Glance: Mar 31—Apr 06, 2013 (Week 14)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Minimal</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Sporadic</b>
<b>Percent of outpatient visits for ILI</b>	<b>0.76%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>2</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>3</b>
<b>Reported ILI outbreaks</b>	<b>0</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>14%</b>

<sup>1</sup>Levels are determined by CDC. Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

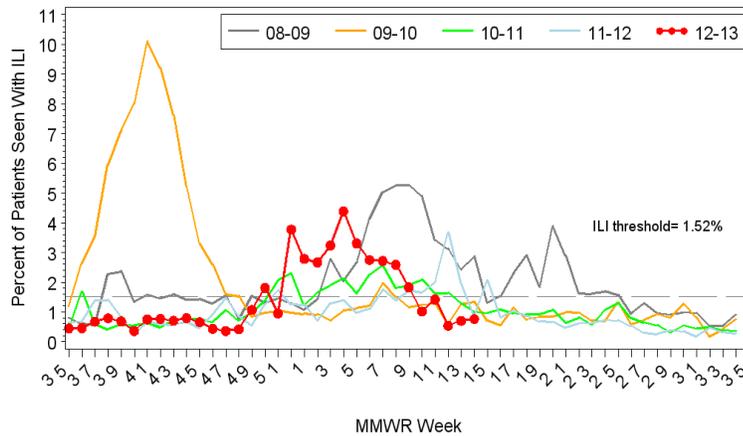
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

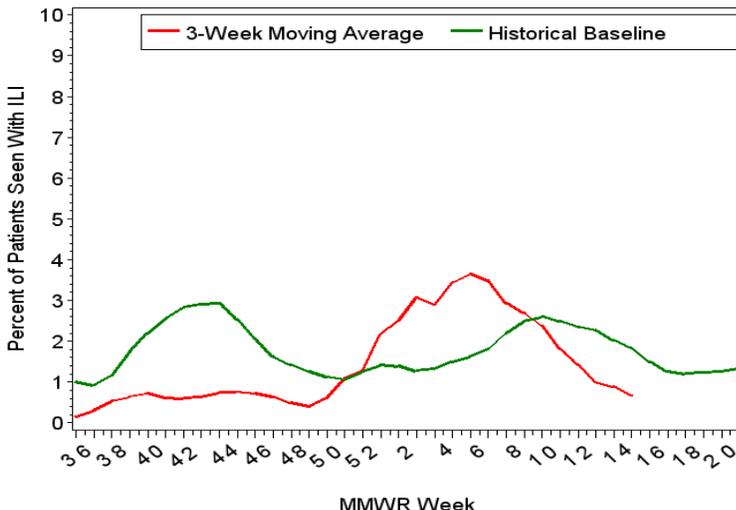
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 12APR13  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 12APR13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for week 14 of 2013 was 0.76% which is below Oregon's seasonal threshold of 1.52%.\***

Note: ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. \*The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for percent of outpatients seen with ILI in week 14 was 0.67%, which is below the historical baseline for this week.**

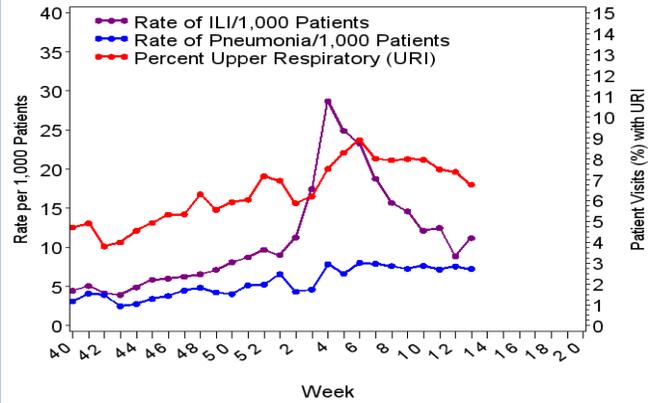
The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

All FluBites data provided are preliminary, and may change as additional reports are received.

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. **The rate of ILI per 1,000 OCHIN patients was 11.0 during week 13.**

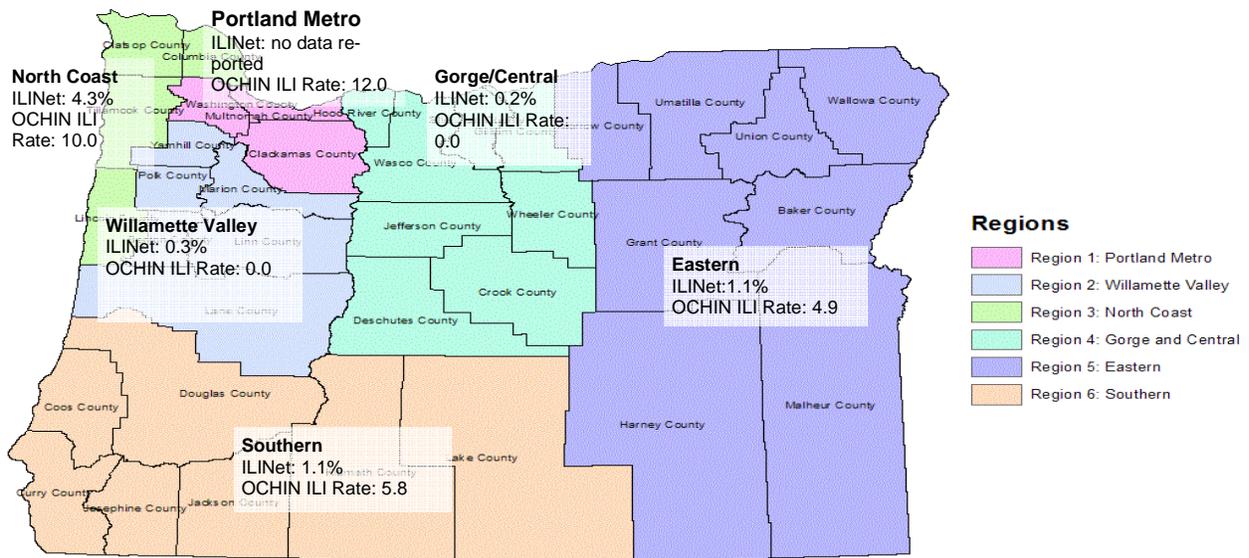
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes and reason for visit.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013

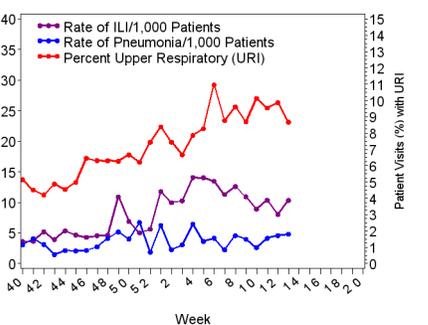
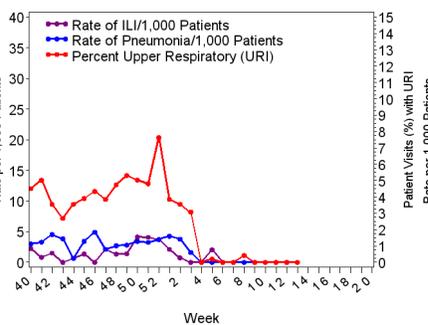
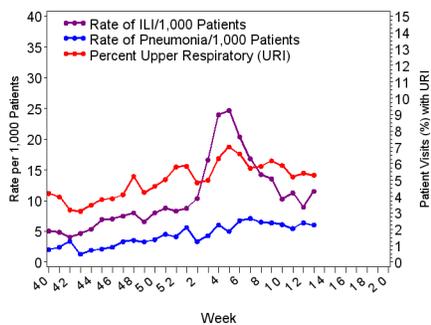


Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

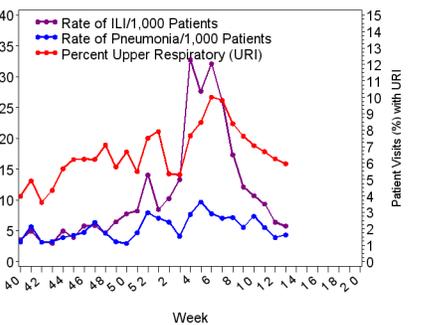
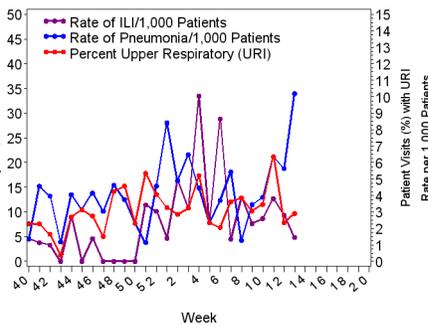
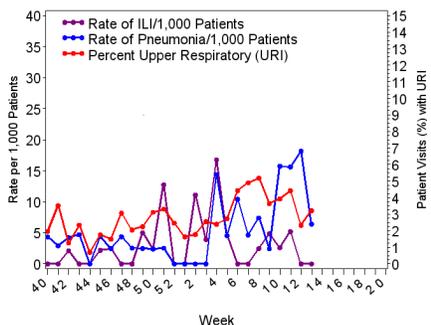
**ILI Activity by Region: ILINet (% ILI) and OCHIN ILI Rate**



Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



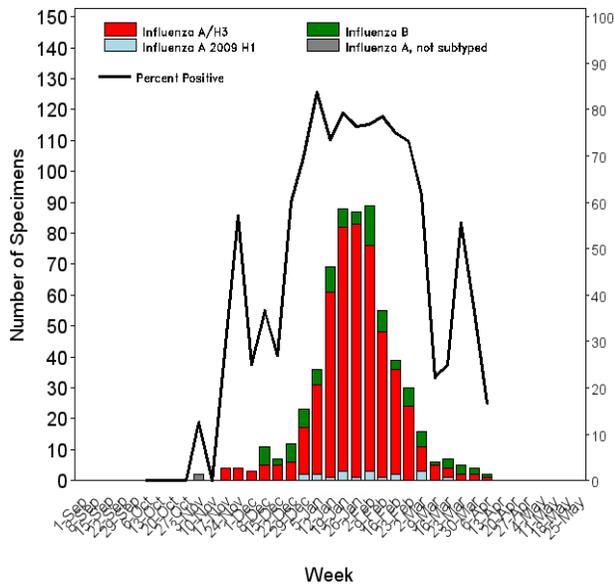
Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



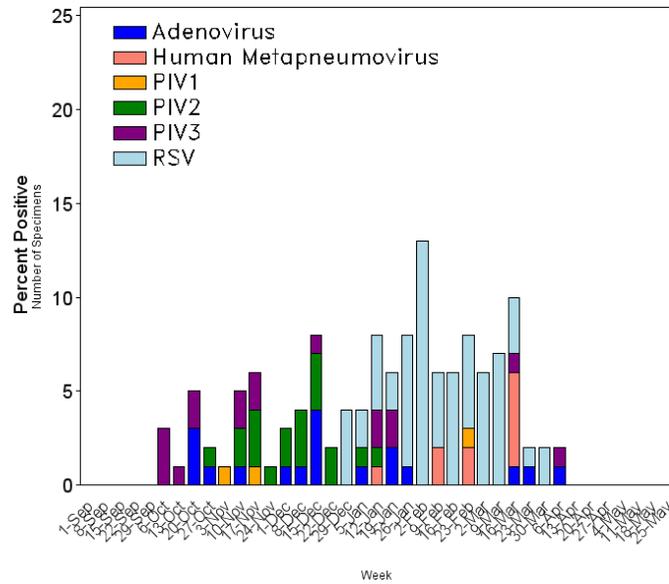
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

## Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

**Tables 1 and 2** show the current week and cumulative totals (**since Oct. 1, 2012**) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

	Current Week	Cumulative
<b>Influenza A</b>	1 (8%)	512 (51%)
2009 pH1N1	0	19 (1%)
Seasonal A H3	1 (8%)	491 (50%)
Not subtyped	0	2 (<1%)
<b>Influenza B</b>	1 (8%)	87 (9%)
Undetected	10 (83%)	379 (39%)
<b>Total Tested</b>	<b>12</b>	<b>978</b>

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

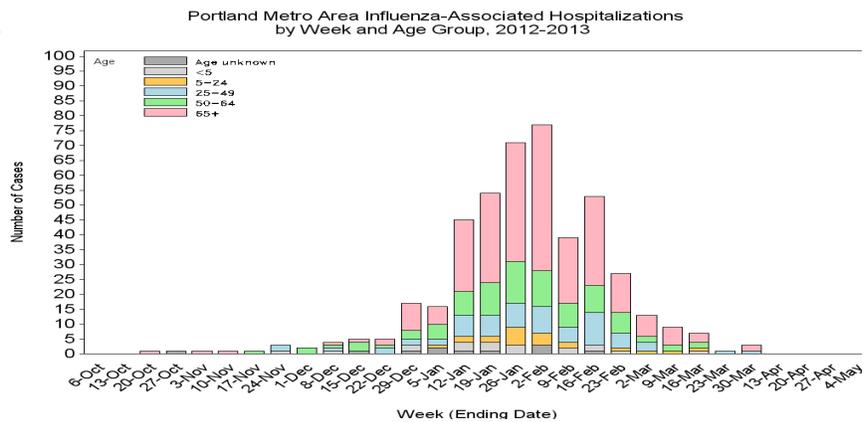
	Current Week	Cumulative
<b>Adenovirus</b>	1 (14%)	18 (5%)
<b>Parainfluenza type 1</b>	0	3 (1%)
<b>Parainfluenza type 2</b>	0	19 (5%)
<b>Parainfluenza type 3</b>	1 (14%)	17 (4%)
<b>Human Metapneumovirus</b>	0	10 (3%)
<b>RSV</b>	0	66 (17%)
<b>Total Tested</b>	<b>7</b>	<b>386</b>

\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

### Tri-County Influenza Hospitalizations:

Three hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 14.

A cumulative total of 459 hospitalizations have been reported since October 1, 2012.

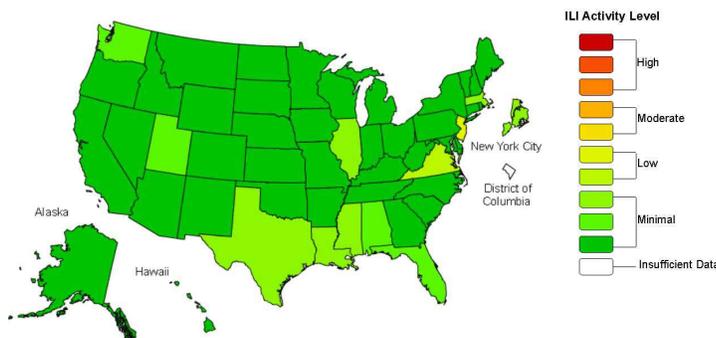


**Outbreaks:** No ILI outbreaks were reported for week 14. Between October 1, 2012, and April 6, 2013, 52 outbreaks involving ILI have been reported (including outbreaks of mixed etiology, like RSV and influenza); 37 so far have been laboratory confirmed as influenza virus.

**National Data:** During week 14 (March 31 – April 6, 2013), influenza activity decreased in the United States.

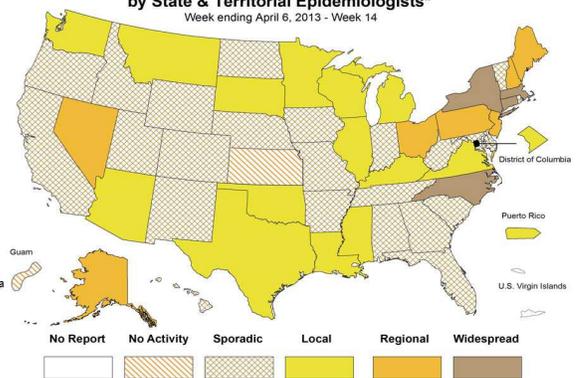
- Viral Surveillance:** Of 4,462 specimens tested and reported by collaborating laboratories, 484 (10.9%) were positive for influenza.
- Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.
- Influenza-Associated Pediatric Deaths:** Five pediatric deaths were reported.
- Influenza-Associated Hospitalizations:** A cumulative rate for the season of 43.2 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported. Of reported hospitalizations, 50% were among adults 65 years and older.
- Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.5%. This is below the national baseline of 2.2%. Two of 10 regions reported ILI at or above region-specific baseline levels. Two states experienced low activity; 48 states and New York City experienced minimal activity, and the District of Columbia had insufficient data.
- Geographic Spread of Influenza:** Four states reported widespread influenza activity; 7 states reported regional influenza activity; the District of Columbia, Puerto Rico, and 14 states reported local influenza activity; 24 states reported sporadic influenza activity; Guam and one state reported no influenza activity, and the U.S. Virgin Islands did not report.

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet 2012-13 Influenza Season Week 14 ending Apr 06, 2013**



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

**Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\* Week ending April 6, 2013 - Week 14**



**Map above Right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

**Additional resources:**

- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- Information about influenza A H7N9 in China: <http://www.cdc.gov/flu/avianflu/h7n9-virus.htm>, <http://www.who.int/csr/don/en/index.html>

## Current Week's Data at a Glance: Apr 07—13, 2013 (Week 15)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Minimal</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Sporadic</b>
<b>Percent of outpatient visits for ILI</b>	<b>0.28%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>0</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>1</b>
<b>Reported ILI outbreaks</b>	<b>0</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>11%</b>

<sup>1</sup>Levels are determined by CDC. Based on proportion of outpatient visits—levels include minimal, low, moderate, and high.

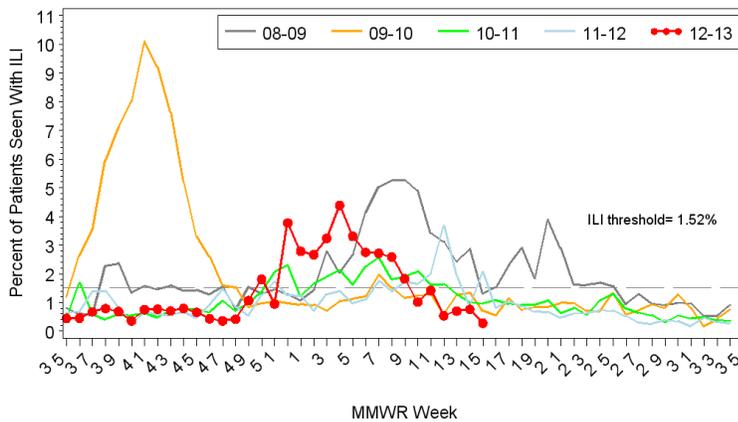
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

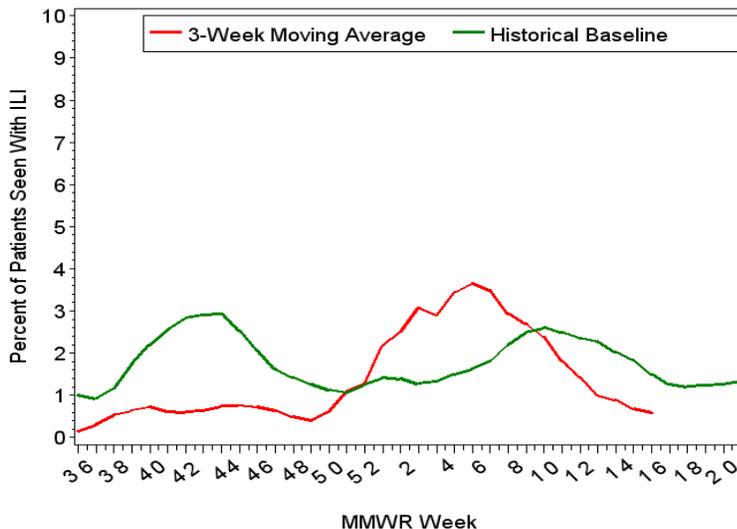
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 18APR13  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 18APR13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for week 15 of 2013 was 0.28% which is below Oregon's seasonal threshold of 1.52%.\***

Note: ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. \*The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for percent of outpatients seen with ILI in week 15 was 0.59%, which is below the historical baseline for this week.**

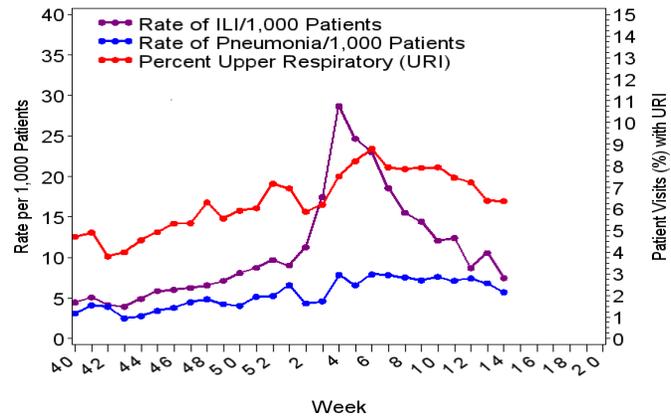
The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

All FluBites data provided are preliminary, and may change as additional reports are received.

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. The rate of ILI per 1,000 OCHIN patients was 7.5 during week 14.

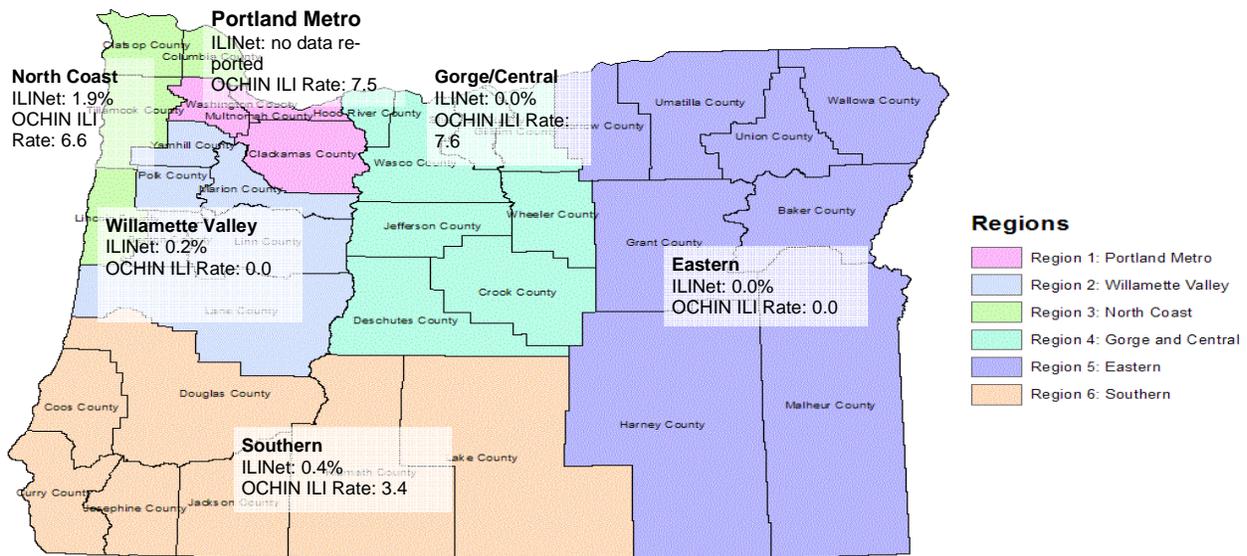
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes and reason for visit.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013

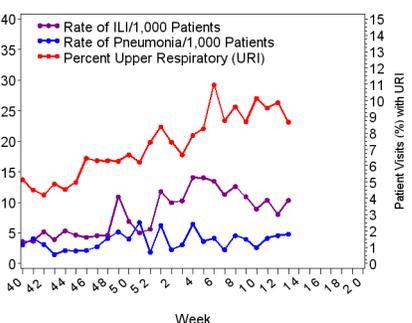
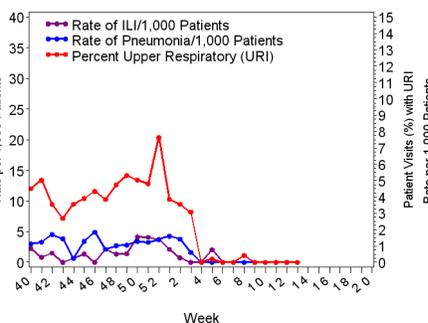
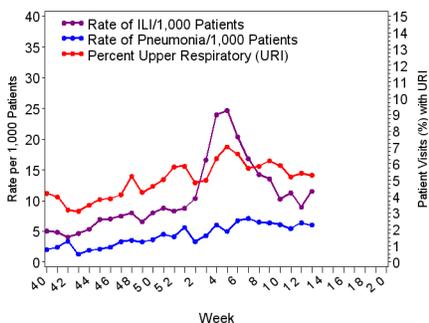


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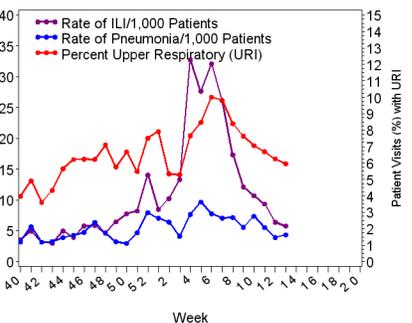
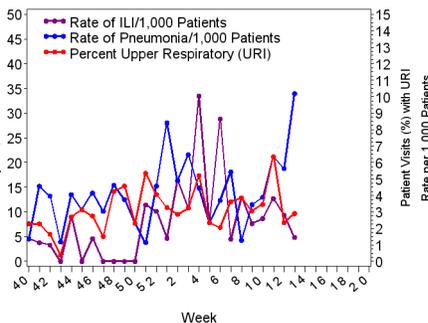
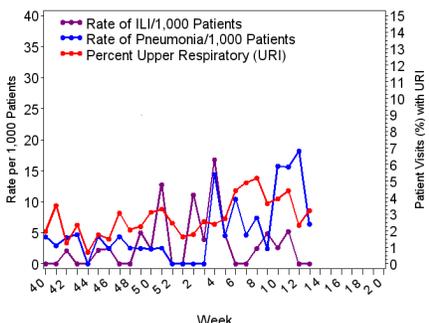
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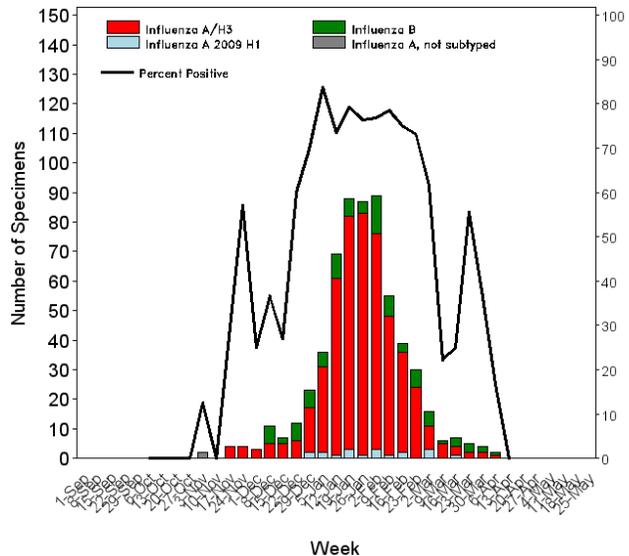
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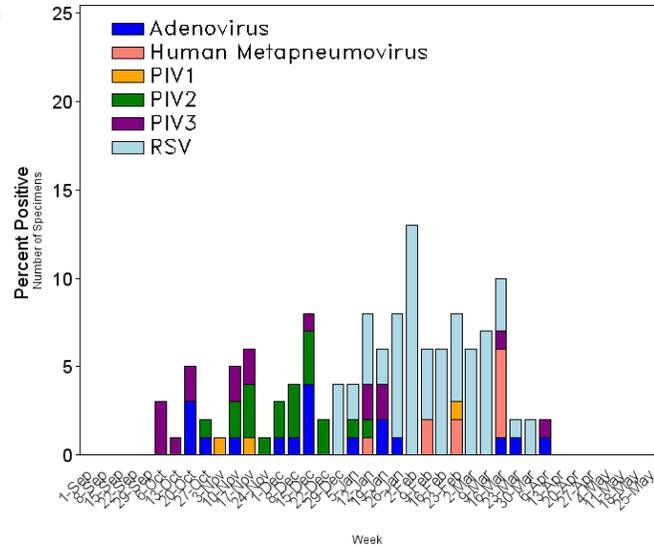
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## Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



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- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

**Tables 1 and 2** show the current week and cumulative totals (since **Oct. 1, 2012**) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

	Current Week	Cumulative
<b>Influenza A</b>	0	512 (52%)
2009 pH1N1	0	19 (2%)
Seasonal A H3	0	491 (50%)
Not subtyped	0	2 (<1%)
<b>Influenza B</b>	0	87 (9%)
Undetected	2	381 (39%)
<b>Total Tested</b>	<b>2</b>	<b>980</b>

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

	Current Week	Cumulative
<b>Adenovirus</b>	0	18 (5%)
<b>Parainfluenza type 1</b>	0	3 (1%)
<b>Parainfluenza type 2</b>	0	19 (5%)
<b>Parainfluenza type 3</b>	0	17 (4%)
<b>Human Metapneumovirus</b>	0	10 (3%)
<b>RSV</b>	0	66 (17%)
<b>Total Tested</b>	<b>1</b>	<b>387</b>

\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

**Tri-County Influenza Hospitalizations:**

1 hospitalization was reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 15. A cumulative total of 460 hospitalizations have been reported since October 1, 2012.

**Outbreaks:**

No ILI outbreaks were reported for week 15. Between October 1, 2012, and April 13, 2013, 52 outbreaks involving ILI have been reported (including outbreaks of mixed etiology, like RSV and influenza); 37 so far have been laboratory confirmed as influenza virus.

**National Data:** OHA state offices are closed for a furlough day on April 19, 2013. National influenza data for Week 2013-15 are unavailable at the time of this FluBites publication.

Please follow the link below for influenza and ILI national data provided by CDC, which is typically published on Friday:

- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- Information about influenza A H7N9 in China: <http://www.cdc.gov/flu/avianflu/h7n9-virus.htm>, <http://www.who.int/csr/don/en/index.html>

## Current Week's Data at a Glance: Apr 14-20, 2013 (Week 16)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Minimal</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Sporadic</b>
<b>Percent of outpatient visits for ILI</b>	<b>0.3</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>0</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>0</b>
<b>Reported ILI outbreaks</b>	<b>0</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>10%</b>

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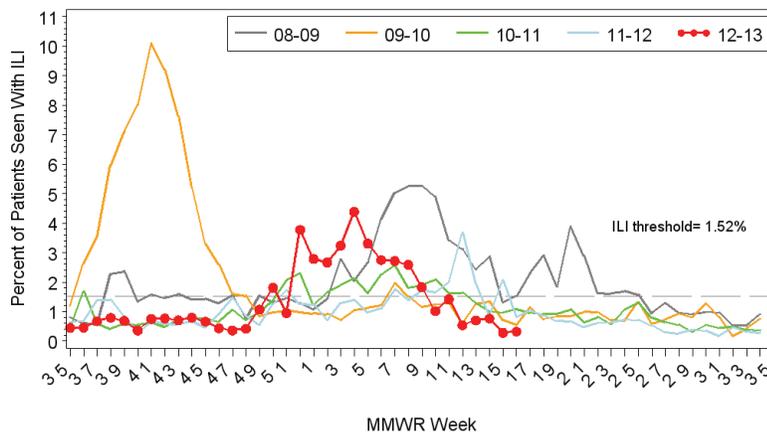
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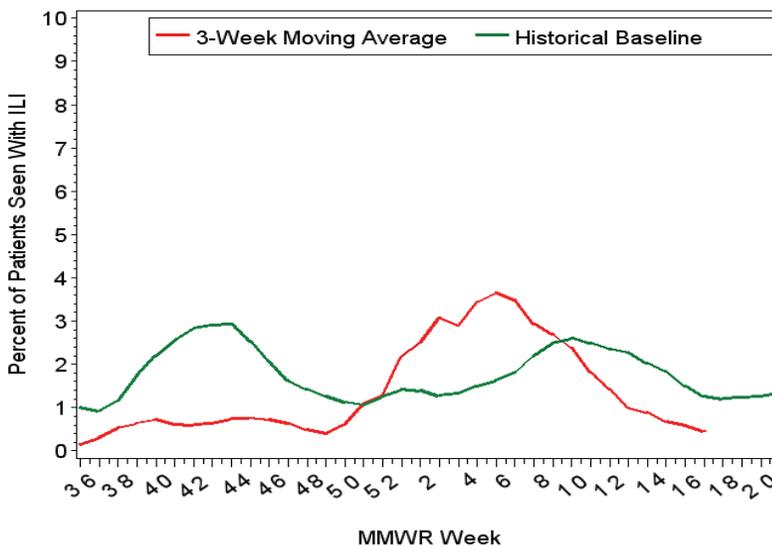
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Oregon Health Authority, Acute and Communicable Disease Prevention 26APR13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



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Oregon Health Authority, Acute and Communicable Disease Prevention 26APR13  
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3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



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Note: ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. \*The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for percent of outpatients seen with ILI in week 16 was 0.5%, which is below the historical baseline for this week.**

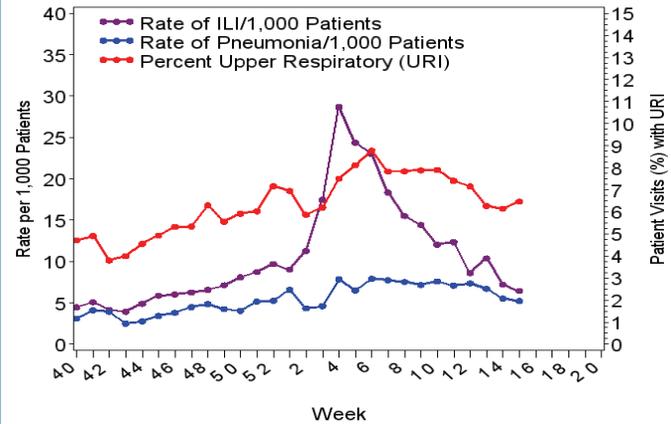
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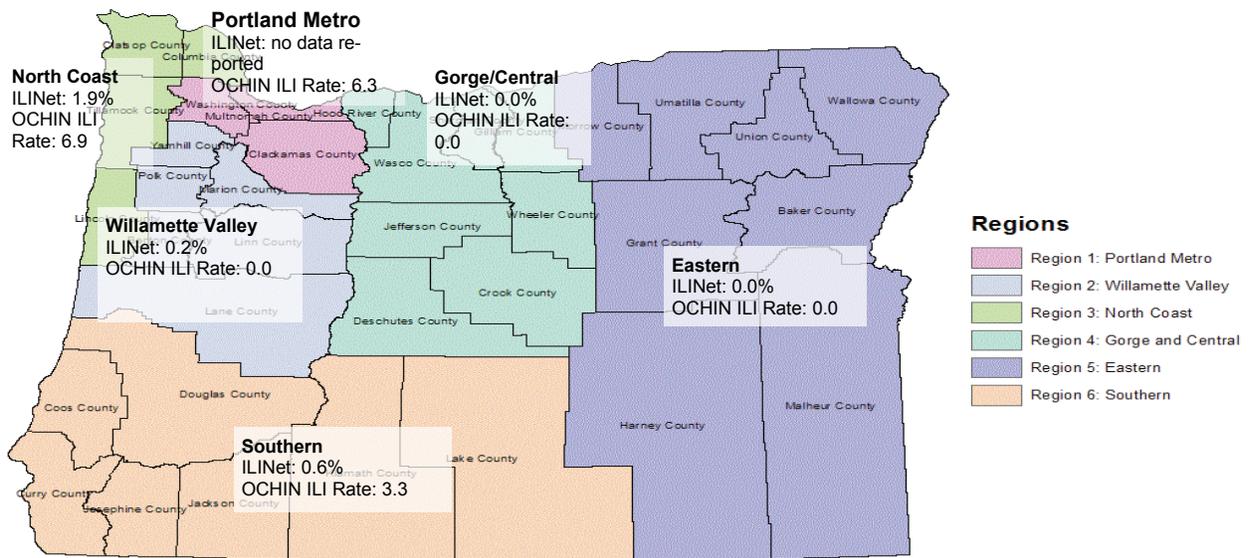
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Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013

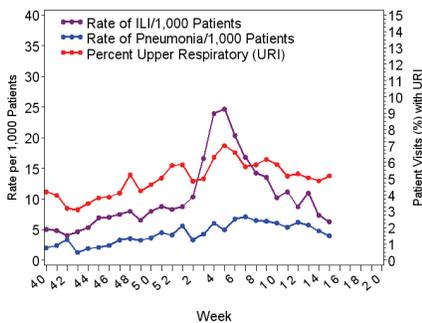


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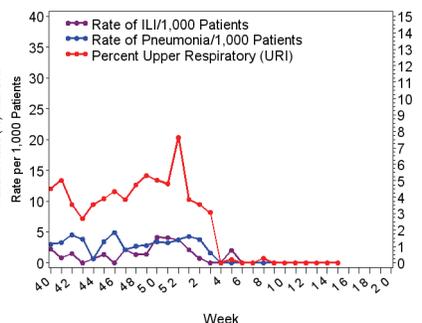
**ILI Activity by Region: ILINet (% ILI) and OCHIN ILI Rate**



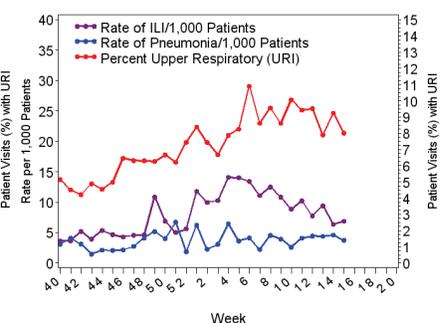
Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



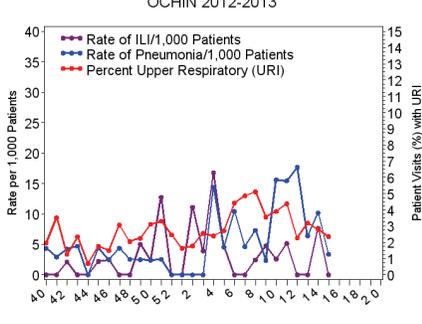
Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



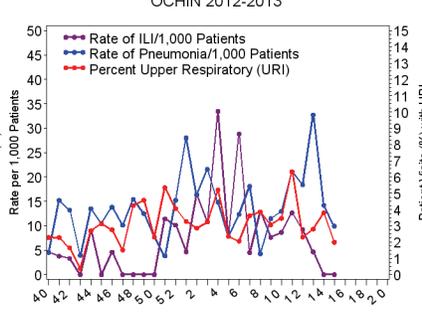
Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



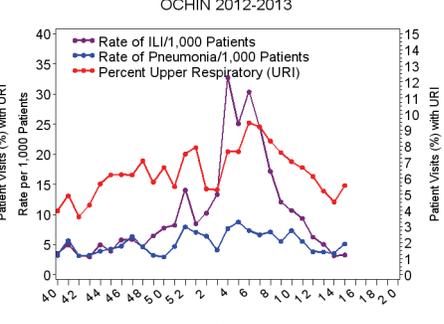
Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



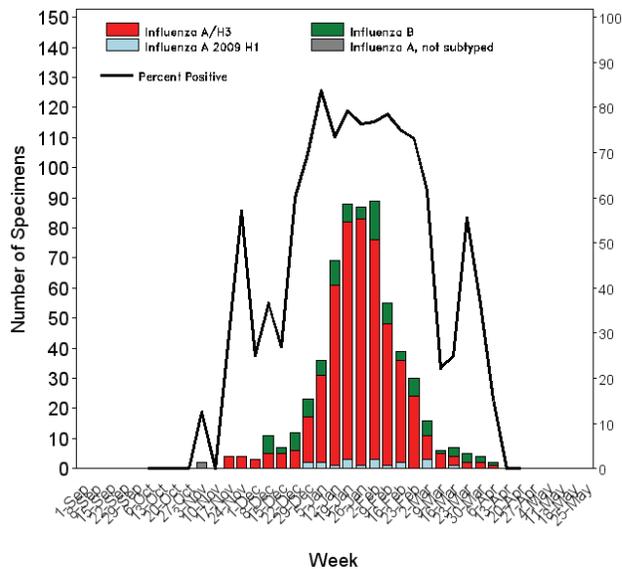
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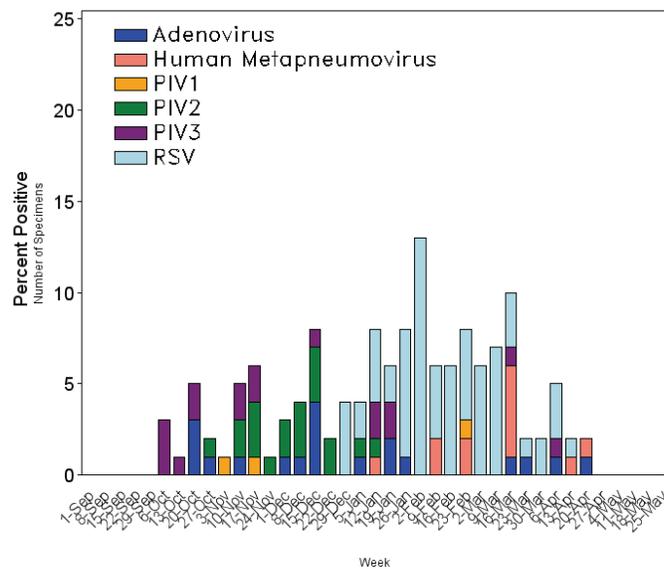
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- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
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- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

**Tables 1 and 2** show the current week and cumulative totals (**since Oct. 1, 2012**) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

	Current Week	Cumulative
<b>Influenza A</b>	0	512 (52%)
2009 pH1N1	0	19 (2%)
Seasonal A H3	0	491 (50%)
Not subtyped	0	2 (<1%)
<b>Influenza B</b>	0	87 (9%)
Undetected	6 (100%)	390 (39%)
<b>Total Tested</b>	<b>6</b>	<b>989</b>

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

	Current Week	Cumulative
<b>Adenovirus</b>	1 (17%)	18 (5%)
<b>Parainfluenza type 1</b>	0	3 (<1%)
<b>Parainfluenza type 2</b>	0	19 (5%)
<b>Parainfluenza type 3</b>	0	17 (4%)
<b>Human Metapneumovirus</b>	1 (17%)	12 (3%)
<b>RSV</b>	0	66 (17%)
<b>Total Tested</b>	<b>6</b>	<b>390</b>

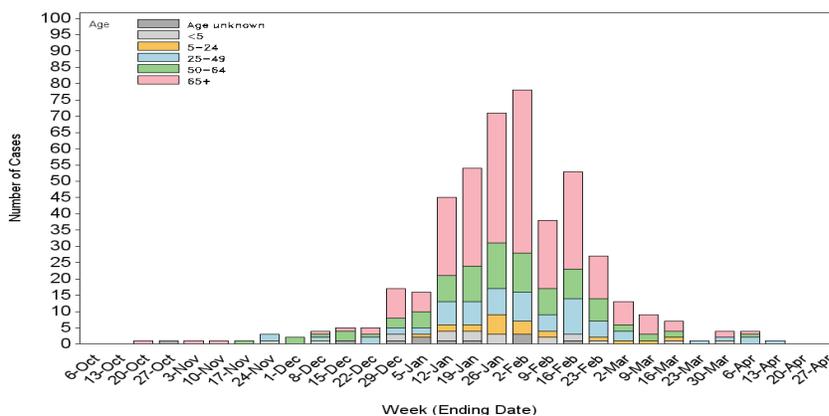
\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

## Tri-County Influenza Hospitalizations:

No hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 16.

A cumulative total of 462 hospitalizations have been reported since October 1, 2012.

Portland Metro Area Influenza-Associated Hospitalizations by Week and Age Group, 2012-2013

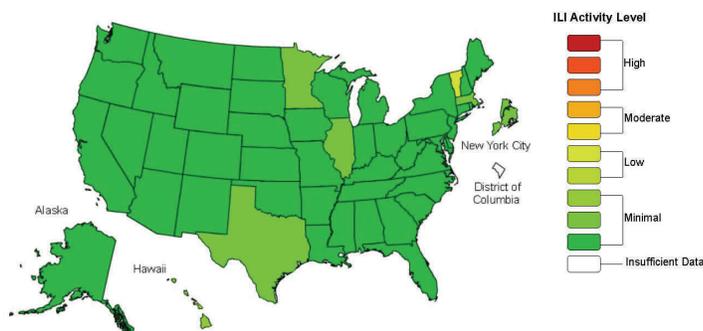


**Outbreaks:** No ILI outbreaks were reported for week 16. Between October 1, 2012, and April 20, 2013, 52 outbreaks involving ILI have been reported (including outbreaks of mixed etiology, like RSV and influenza); 37 so far have been laboratory confirmed as influenza virus.

**National Data:** During week 16 (April 14-20, 2013), influenza activity decreased in the United States.

- **Viral Surveillance:** Of 3,384 specimens tested and reported by collaborating laboratories, 250 (7.4%) were positive for influenza.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.
- **Influenza-Associated Pediatric Deaths:** Five pediatric deaths were reported.
- **Influenza-Associated Hospitalizations:** A cumulative rate for the season of 43.9 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported. Of reported hospitalizations, 50% were among adults 65 years and older.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.1%. This is below the national baseline of 2.2%. All 10 regions reported ILI below region-specific baseline levels. One state experienced low activity; 49 states and New York City experienced minimal activity, and the District of Columbia had insufficient data.
- **Geographic Spread of Influenza:** Three states reported widespread influenza activity; 3 states reported regional influenza activity; 8 states reported local influenza activity; the District of Columbia, Guam, Puerto Rico, and 35 states reported sporadic influenza activity; 1 state reported no influenza activity, and the U.S. Virgin Islands did not report.

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet  
2012-13 Influenza Season Week 16 ending Apr 20, 2013



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\*  
Week ending April 20, 2013 - Week 16



**Map above Right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

### Additional resources:

- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- Information about influenza A H7N9 in China: <http://www.cdc.gov/flu/avianflu/h7n9-virus.htm>, <http://www.who.int/csr/don/en/index.html>

## Current Week's Data at a Glance: Apr 21—27 , 2013 (Week 17)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Minimal</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Sporadic</b>
<b>Percent of outpatient visits for ILI</b>	<b>0.2%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>0</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>0</b>
<b>Reported ILI outbreaks</b>	<b>0</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>13%</b>

<sup>1</sup>Levels are determined by CDC. Based on proportion of outpatient visits— levels include minimal, low, moderate, and high.

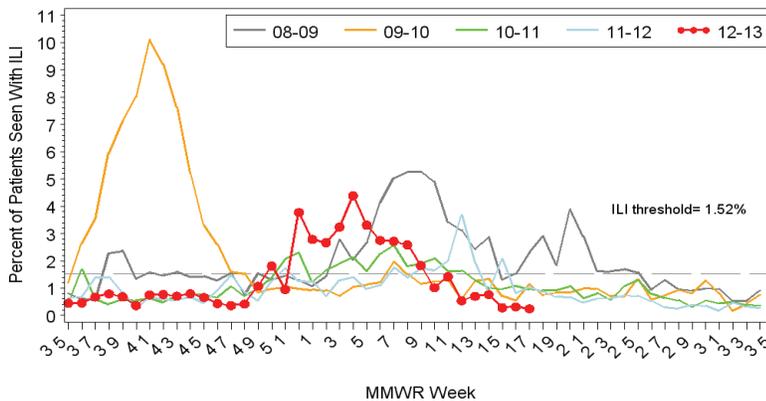
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

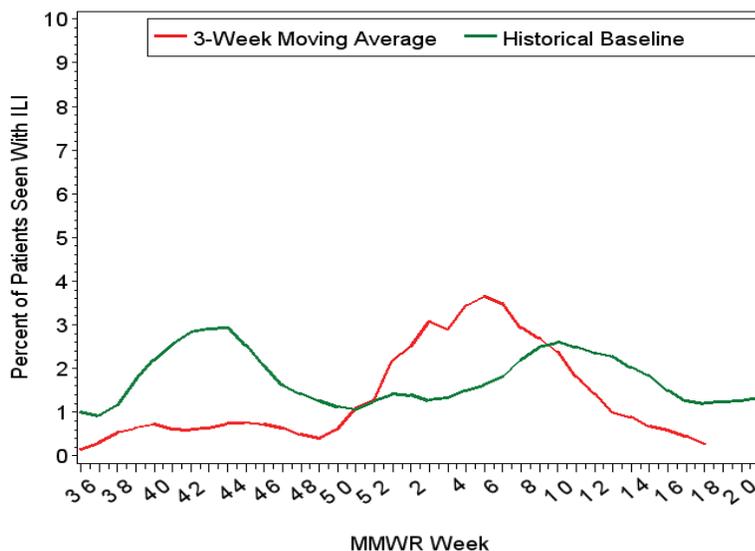
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 03MAY13  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 03MAY13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for week 17 of 2013 was 0.2% which is below Oregon's seasonal threshold of 1.52%.\***

Note: ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. \*The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for percent of outpatients seen with ILI in week 17 was 0.3%, which is below the historical baseline for this week.**

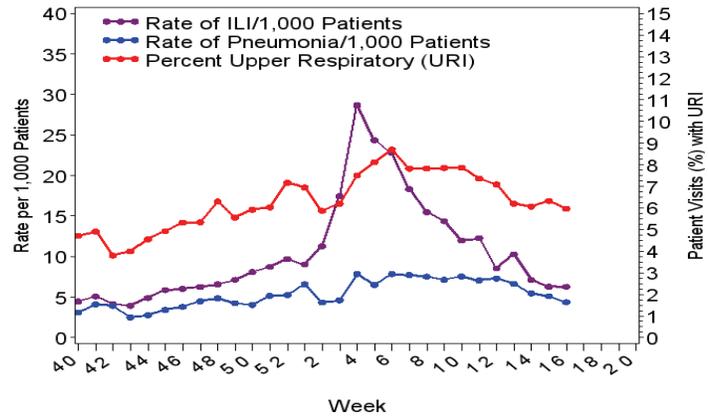
The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

All FluBites data provided are preliminary, and may change as additional reports are received.

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. **The rate of ILI per 1,000 OCHIN patients was 6.3 during week 16.**

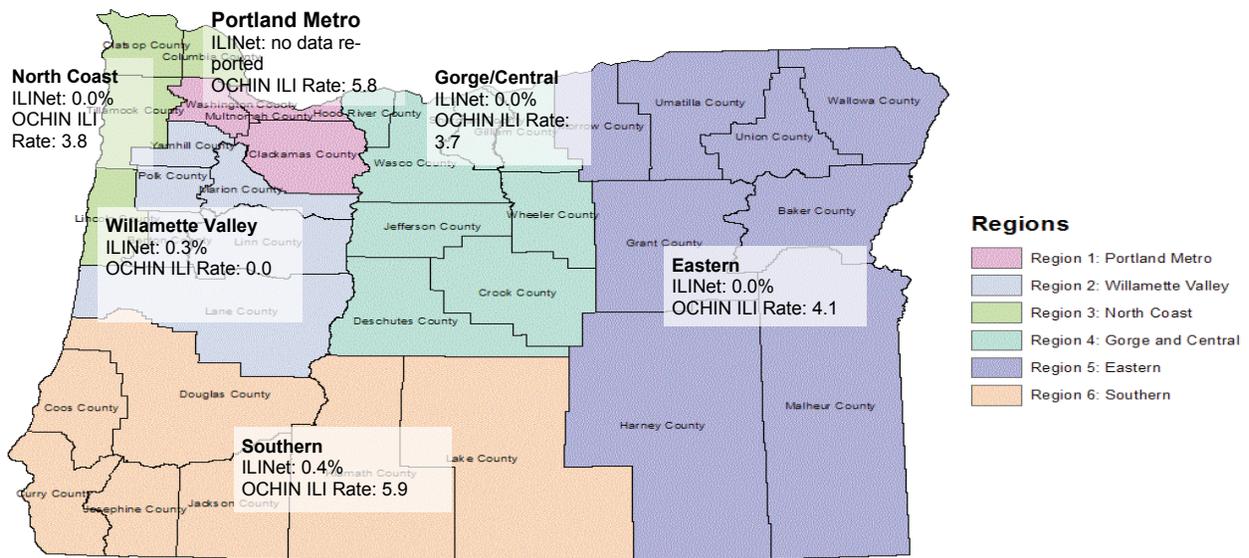
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes and reason for visit.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013

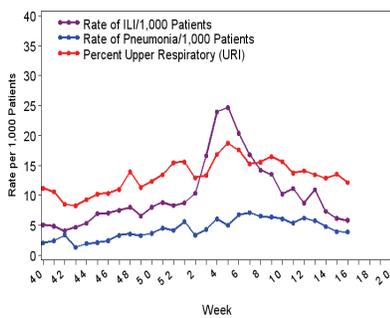


Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

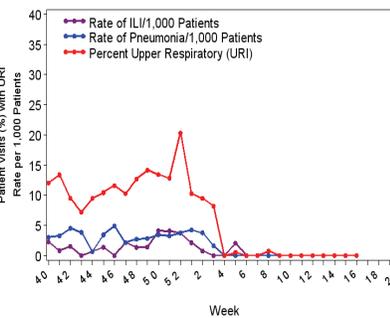
**ILI Activity by Region: ILINet (% ILI) and OCHIN ILI Rate**



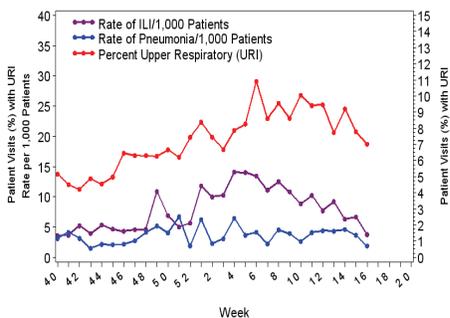
Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



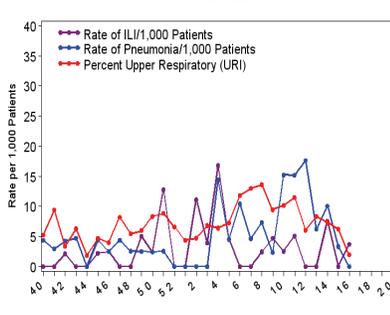
Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



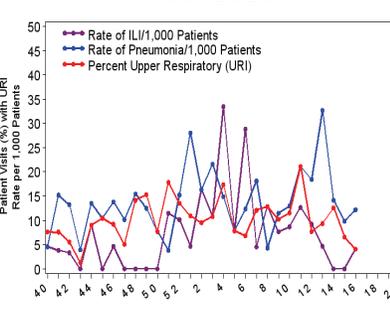
Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



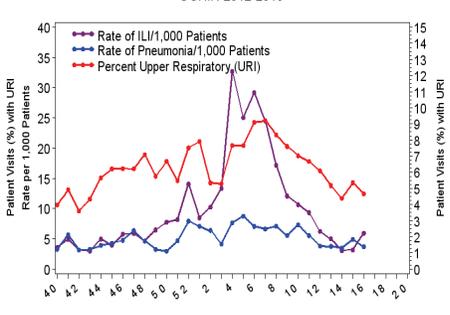
Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



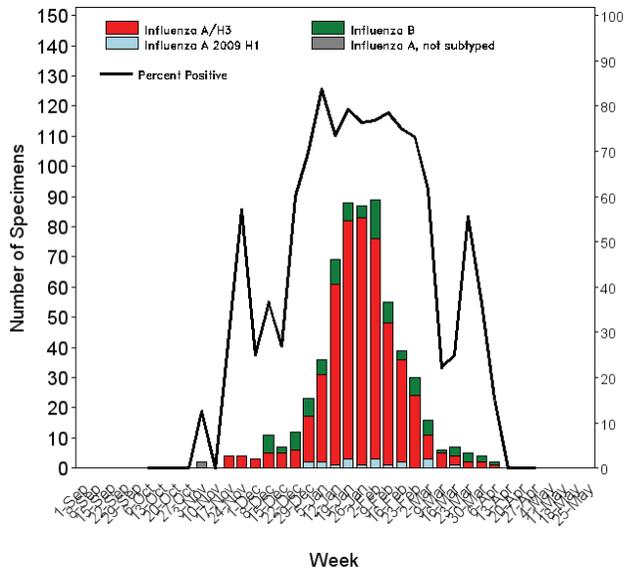
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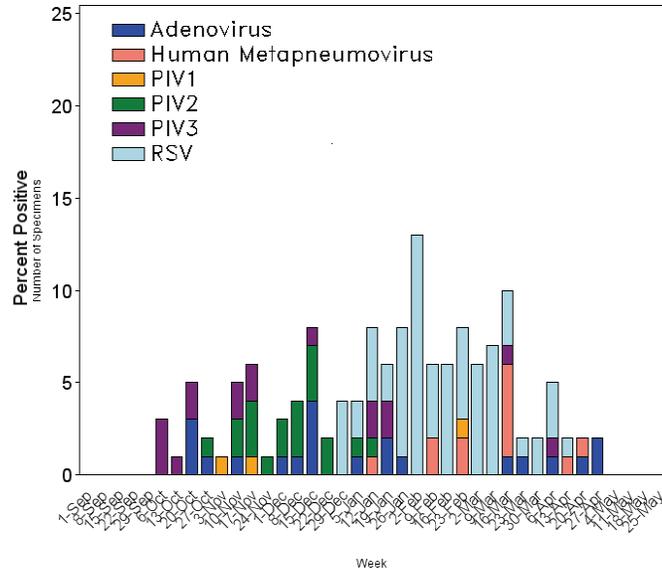
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

## Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

**Tables 1 and 2** show the current week and cumulative totals (**since Oct. 1, 2012**) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

	Current Week	Cumulative
<b>Influenza A</b>	0	512 (52%)
2009 pH1N1	0	19 (2%)
Seasonal A H3	0	491 (49%)
Not subtyped	0	2 (<1%)
<b>Influenza B</b>	0	87 (9%)
Undetected	4	394 (40%)
<b>Total Tested</b>	<b>4</b>	<b>993</b>

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

	Current Week	Cumulative
<b>Adenovirus</b>	2 (50%)	21 (5%)
<b>Parainfluenza type 1</b>	0	3 (<1%)
<b>Parainfluenza type 2</b>	0	19 (5%)
<b>Parainfluenza type 3</b>	0	17 (4%)
<b>Human Metapneumovirus</b>	0	12 (3%)
<b>RSV</b>	0	70(18%)
<b>Total Tested</b>	<b>4</b>	<b>394</b>

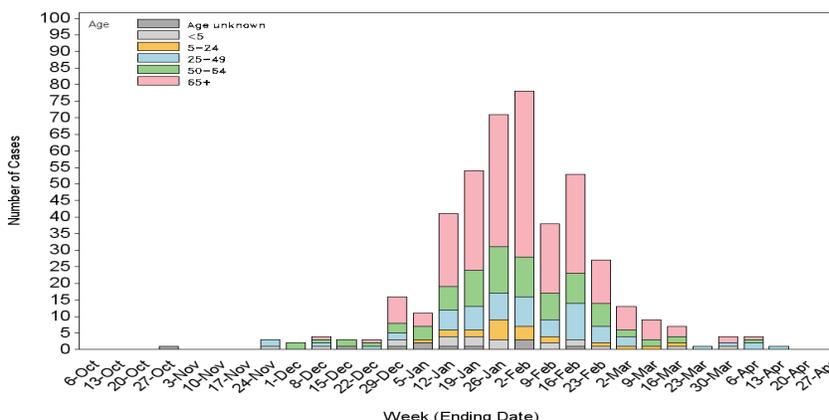
\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

### Tri-County Influenza Hospitalizations:

0 hospitalizations were reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 17.

A cumulative total of 463 hospitalizations have been reported since October 1, 2012.

Portland Metro Area Influenza-Associated Hospitalizations by Week and Age Group, 2012-2013

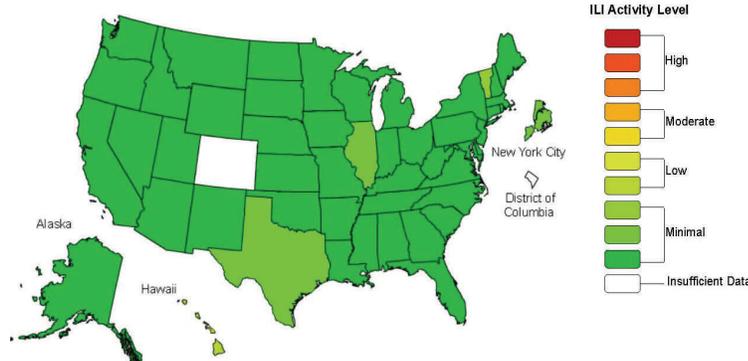


**Outbreaks:** 0 ILI outbreaks were reported for week 17. Between October 1, 2012, and April 27, 2013, 53 outbreaks involving ILI have been reported (including outbreaks of mixed etiology, like RSV and influenza); 37 so far have been laboratory confirmed as influenza virus.

**National Data:** During week 17 (April 21-27, 2013), influenza activity decreased in the United States.

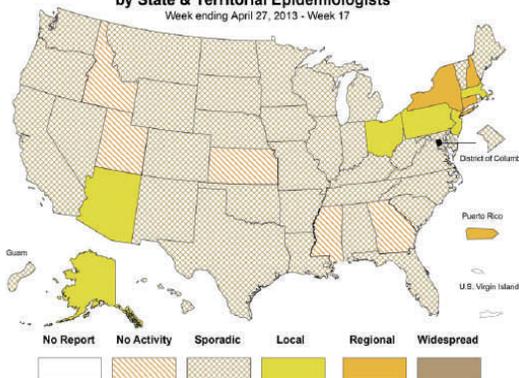
- **Viral Surveillance:** Of 2,746 specimens tested and reported by collaborating laboratories, 177 (6.5%) were positive for influenza.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.
- **Influenza-Associated Pediatric Deaths:** Seven pediatric deaths were reported.
- **Influenza-Associated Hospitalizations:** A cumulative rate for the season of 44.2 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported. Of reported hospitalizations, 50% were among adults 65 years and older.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 1.0%. This is below the national baseline of 2.2%. All 10 regions reported ILI below region-specific baseline levels. One state experienced low activity; 48 states and New York City experienced minimal activity, and the District of Columbia and 1 state had insufficient data.
- **Geographic Spread of Influenza:** Puerto Rico and 3 states reported regional influenza activity; 6 states reported local influenza activity; the District of Columbia, Guam, and 36 states reported sporadic

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet  
2012-13 Influenza Season Week 17 ending Apr 27, 2013



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\*  
Week ending April 27, 2013 - Week 17



**Map above right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

### Additional resources:

- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- Information about influenza A H7N9 in China: <http://www.cdc.gov/flu/avianflu/h7n9-virus.htm>, <http://www.who.int/csr/don/en/index.html>

## Current Week's Data at a Glance: Apr 28 May 04 , 2013 (Week 18)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Minimal</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Sporadic</b>
<b>Percent of outpatient visits for ILI</b>	<b>0.3%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>0</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>1</b>
<b>Reported ILI outbreaks</b>	<b>0</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>6%</b>

<sup>1</sup>Levels are determined by CDC. Based on proportion of outpatient visits— levels include minimal, low, moderate, and high.

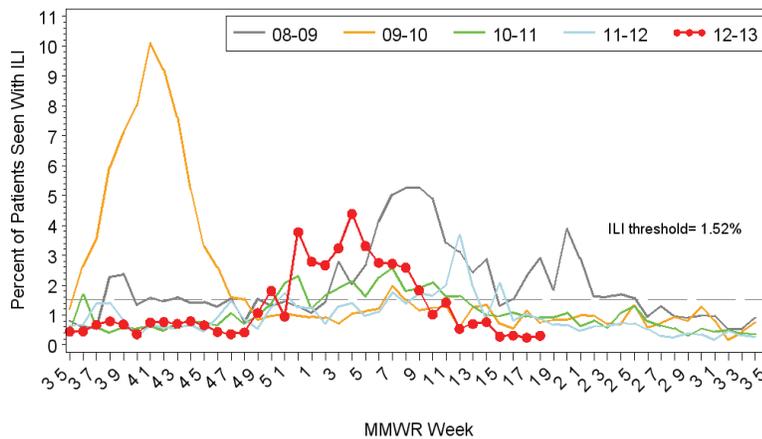
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

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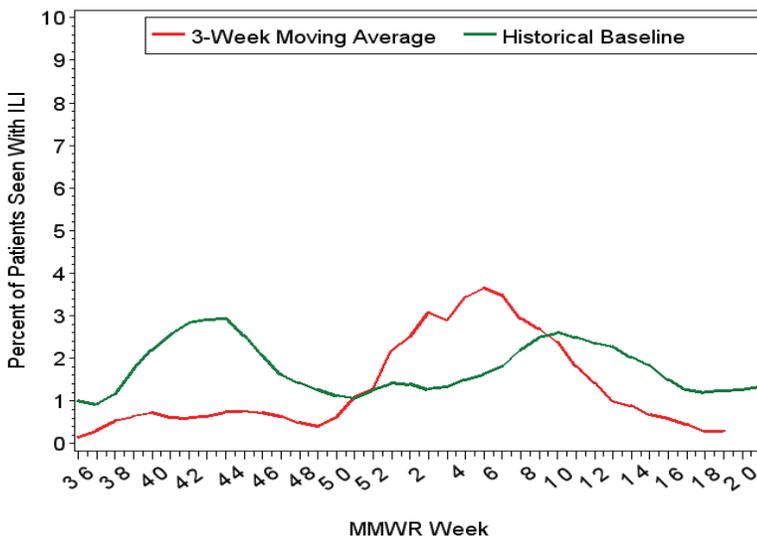
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Health Authority, Acute and Communicable Disease Prevention 10MAY13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 10MAY13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for week 18 of 2013 was 0.3% which is below Oregon's seasonal threshold of 1.52%.\***

Note: ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. \*The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for percent of outpatients seen with ILI in week 18 was 0.3%, which is below the historical baseline for this week.**

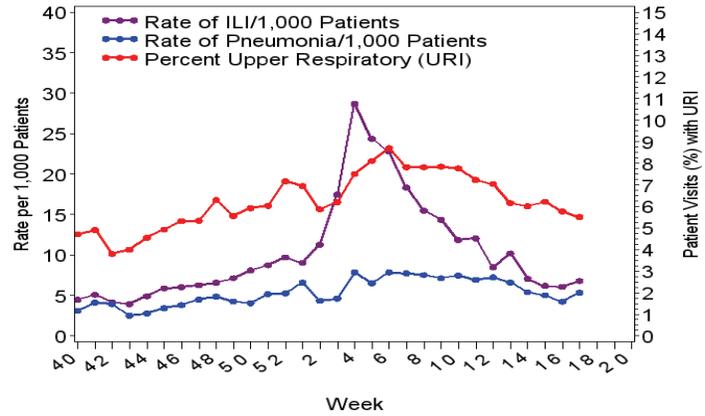
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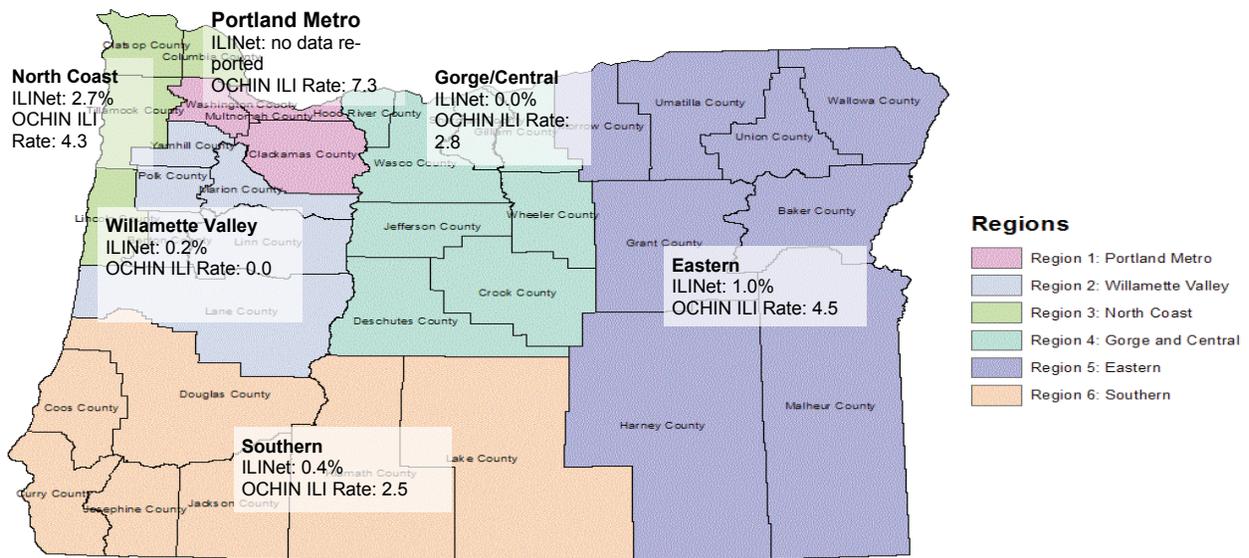
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Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013

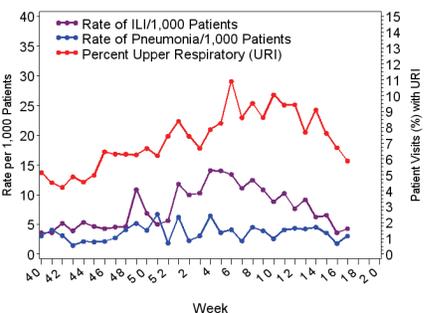
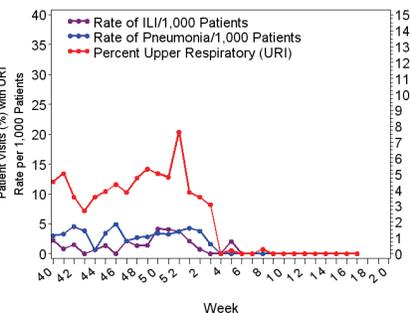
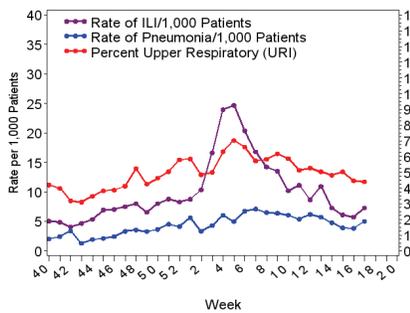


Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

**ILI Activity by Region: ILINet (% ILI) and OCHIN ILI Rate**



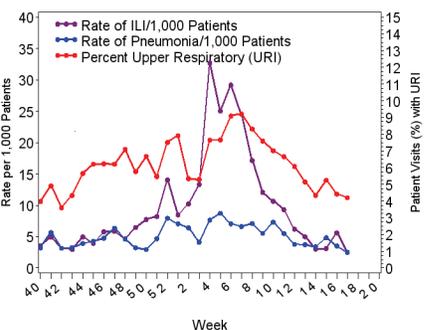
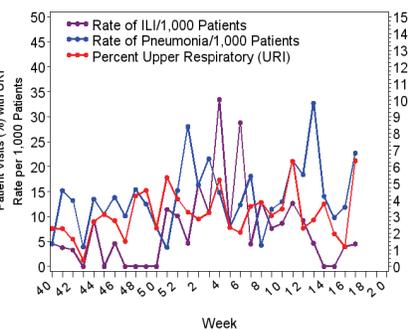
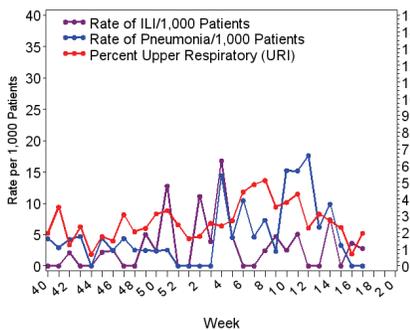
Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013

Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013

Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



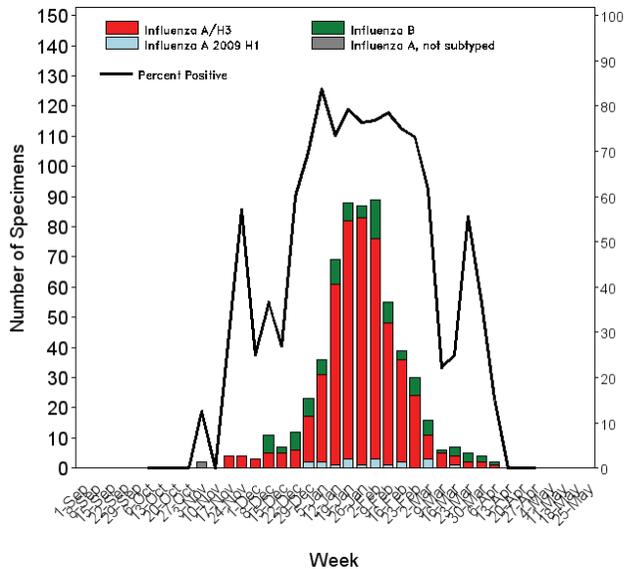
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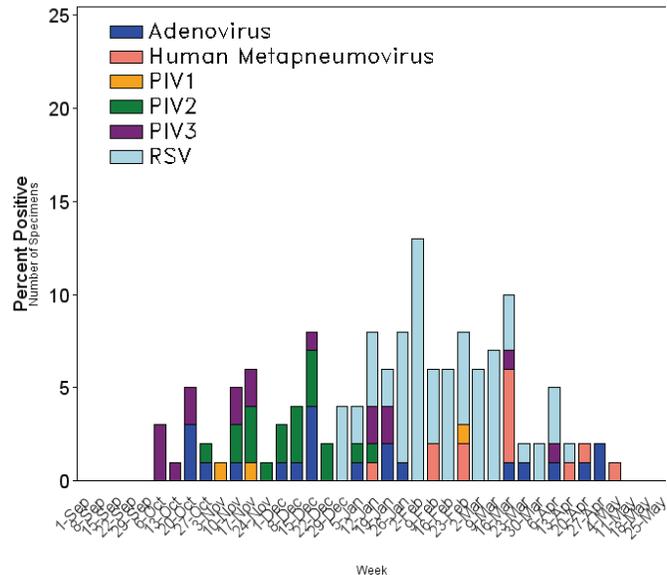
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

## Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



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Undetected	5	399 (40%)
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**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

	Current Week	Cumulative
<b>Adenovirus</b>	0	21 (5%)
<b>Parainfluenza type 1</b>	0	3 (<1%)
<b>Parainfluenza type 2</b>	0	19 (5%)
<b>Parainfluenza type 3</b>	0	17 (4%)
<b>Human Metapneumovirus</b>	1 (25%)	13 (3%)
<b>RSV</b>	0	70(18%)
<b>Total Tested</b>	<b>4</b>	<b>398</b>

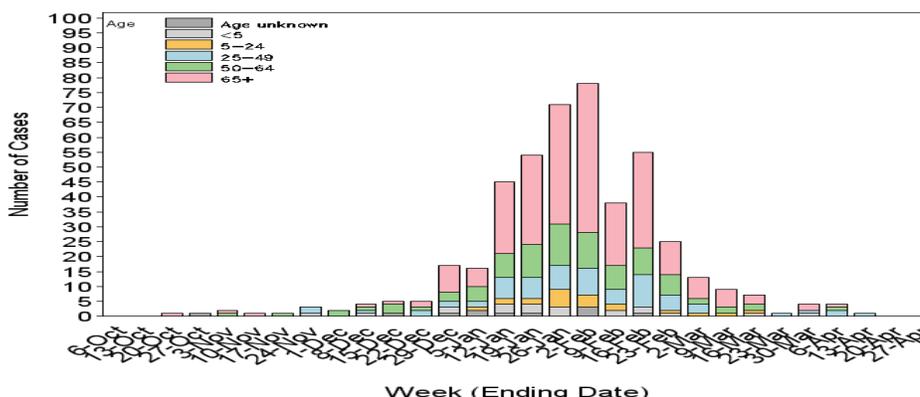
\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

### Tri-County Influenza Hospitalizations:

1 hospitalization was reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 18.

A cumulative total of 463 hospitalizations have been reported since October 1, 2012.

Portland Metro Area Influenza-Associated Hospitalizations by Week and Age Group, 2012-2013

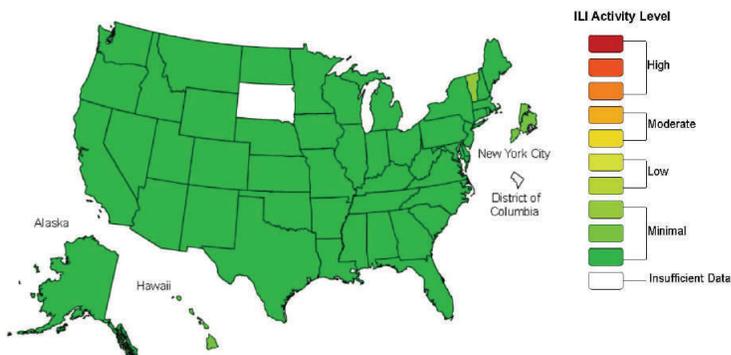


**Outbreaks:** 0 ILI outbreaks were reported for week 18. Between October 1, 2012, and May 04, 2013, 53 outbreaks involving ILI have been reported (including outbreaks of mixed etiology, like RSV and influenza); 37 so far have been laboratory confirmed as influenza virus.

**National Data:** During week 18 (April 28 - May 04, 2013), influenza activity remained low in the United States.

- **Viral Surveillance:** Of 3,048 specimens tested and reported by collaborating laboratories, 125 (4.1%) were positive for influenza.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.
- **Influenza-Associated Pediatric Deaths:** One pediatric death was reported.
- **Influenza-Associated Hospitalizations:** A cumulative rate for the season of 44.2 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported. Of reported hospitalizations, 50% were among adults 65 years and older.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 0.9%. This is below the national baseline of 2.2%. All 10 regions reported ILI below region-specific baseline levels. 49 states and New York City experienced minimal activity, and the District of Columbia and 1 state had insufficient data.
- **Geographic Spread of Influenza:** 5 states reported regional influenza activity; 3 states reported local influenza activity; Guam, Puerto Rico, and 37 states reported sporadic influenza activity; 5 states reported no influenza activity, and the District of Columbia and the U.S. Virgin Islands did not report.

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet  
2012-13 Influenza Season Week 18 ending May 04, 2013



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\*  
Week ending May 4, 2013 - Week 18



**Map above Right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

### Additional resources:

- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- Information about influenza A H7N9 in China: <http://www.cdc.gov/flu/avianflu/h7n9-virus.htm>, <http://www.who.int/csr/don/en/index.html>
- For more Oregon influenza surveillance information: <https://public.health.oregon.gov/DISEASES/CONDITIONS/COMMUNICABLE/DISEASES/SURVEILLANCE/DATA/INFLUENZA/Pages/surveil.aspx>

## Current Week's Data at a Glance: May 05 —11 , 2013 (Week 19)

<b>Oregon Influenza-Like Illness (ILI) Activity Level<sup>1</sup></b>	<b>Minimal</b>
<b>Oregon Influenza Activity Geographic Spread<sup>2</sup></b>	<b>Sporadic</b>
<b>Percent of outpatient visits for ILI</b>	<b>0.0%</b>
<b>Positive influenza tests<sup>3</sup></b>	<b>2</b>
<b>Influenza-associated hospitalizations<sup>4</sup></b>	<b>0</b>
<b>Reported ILI outbreaks</b>	<b>0</b>
<b>Influenza-associated pediatric mortality</b>	<b>0</b>
<b>Respiratory Syncytial Virus (RSV) activity<sup>5</sup></b>	<b>8%</b>

<sup>1</sup>Levels are determined by CDC. Based on proportion of outpatient visits— levels include minimal, low, moderate, and high.

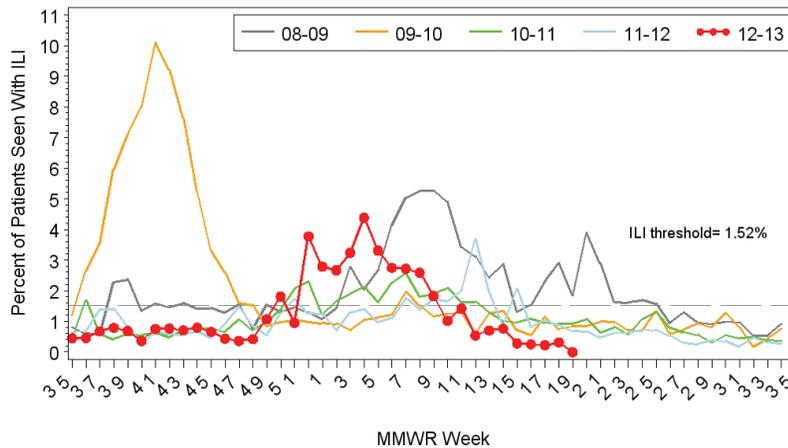
<sup>2</sup>Levels for geographic spread include no activity, sporadic, local, regional, and widespread.

<sup>3</sup>Reported by state public health lab (OSPHL) from outbreaks, tri-county hospitalizations, and sentinel ILI surveillance; includes only current week positive tests.

<sup>4</sup>Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

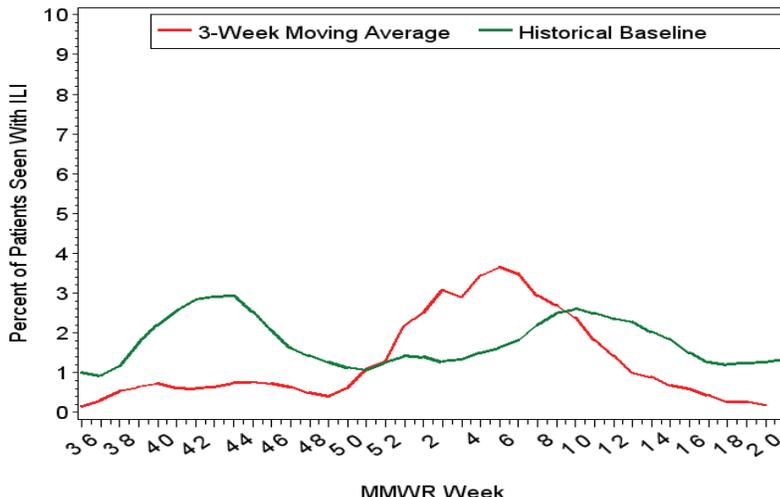
<sup>5</sup>Percent positivity based on data from Oregon's RSV Laboratory Surveillance System.

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 17MAY13  
Percent of Outpatients with Influenza-like Illness (ILI)  
2008-2009, 2009-2010, 2010-2011, 2011-2012, 2012-2013



Surveillance weeks run from Sunday through Saturday  
Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

Oregon Health Authority, Acute and Communicable Disease Prevention 17MAY13  
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)  
3-Week Moving Average of Percent of Outpatients with Influenza-like Illness (ILI)



**ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network:** Oregon's outpatient influenza-like illness (ILI) network comprises 22 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness as well as total number of patient visits for each week during the surveillance season. **The percent of outpatients seen with ILI for week 19 of 2013 was 0.0% which is below Oregon's seasonal threshold of 1.52%.\***

Note: ILI is defined as fever ( $\geq 100^{\circ}\text{F}$ ) and cough or sore throat. \*The ILI baseline (threshold) is calculated as the mean percentage of visits for ILI during non-influenza weeks (weeks with  $< 10\%$  of specimens at OSPHL testing positive for influenza) with two standard deviations, and is based on the three previous years of data.

**The 3-week moving average for percent of outpatients seen with ILI in week 19 was 0.2%, which is below the historical baseline for this week.**

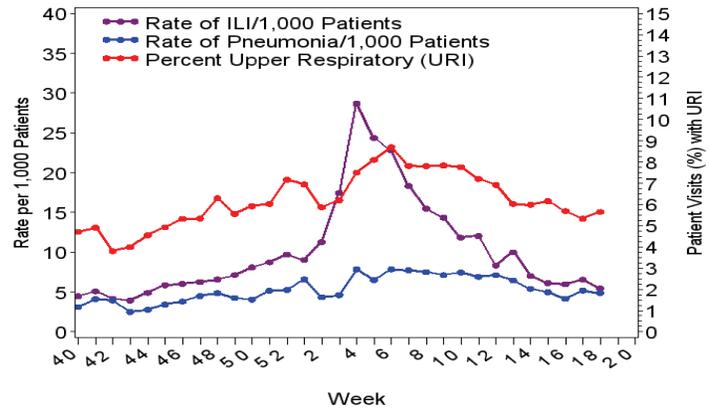
The 3-week moving average does not show actual weekly % ILI, but an average that includes the current week and preceding 2 weeks, and is used to smooth out fluctuations in the data. The historical baseline is the average 3-week moving averages over the preceding four flu seasons.

All FluBites data provided are preliminary, and may change as additional reports are received.

**OCHIN Influenza-like Illness Surveillance:** Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN data are 1 week *behind* ILINet data. **The rate of ILI per 1,000 OCHIN patients was 5.4 during week 18.**

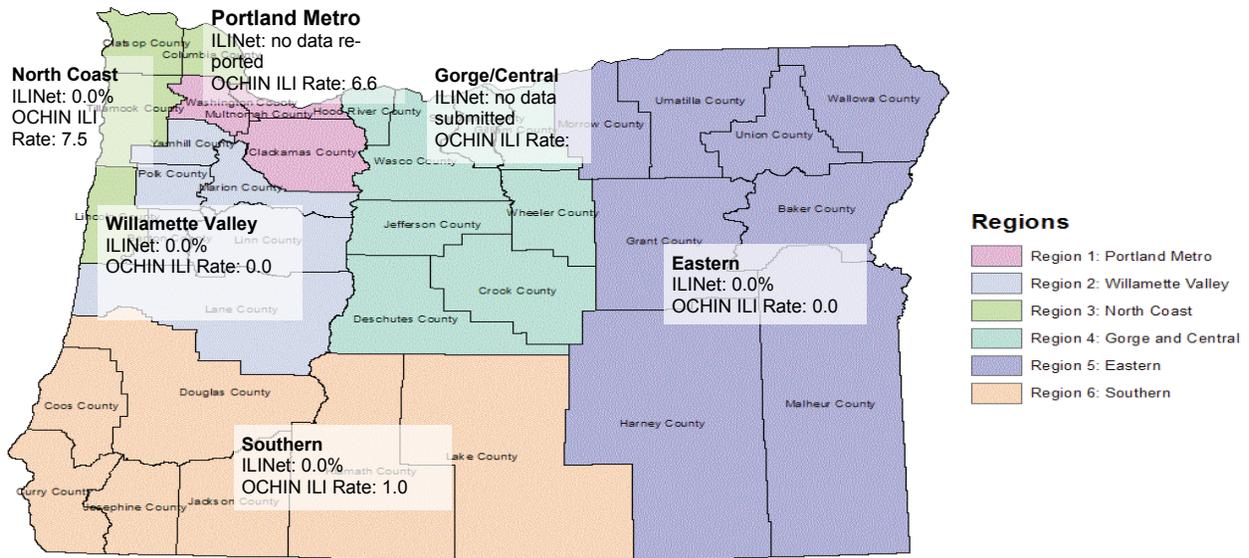
**Note:** OCHIN reports of ILI are one week *behind* ILINet reports. Respiratory illness categories for OCHIN data are based on ICD-9 diagnostic codes and reason for visit.

Oregon Outpatient ILI/URI/Pneumonia Surveillance, OCHIN 2012-2013

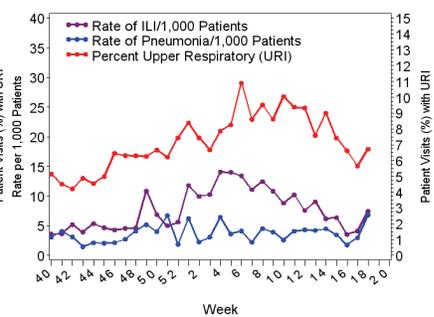
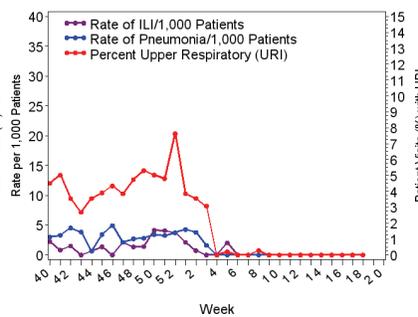
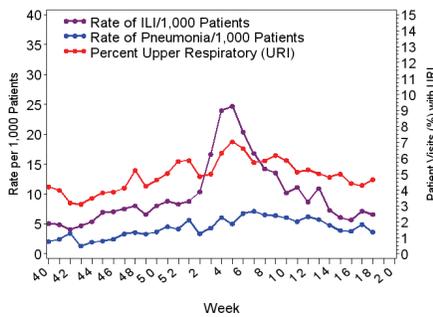


Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

**ILI Activity by Region: ILINet (% ILI) and OCHIN ILI Rate**



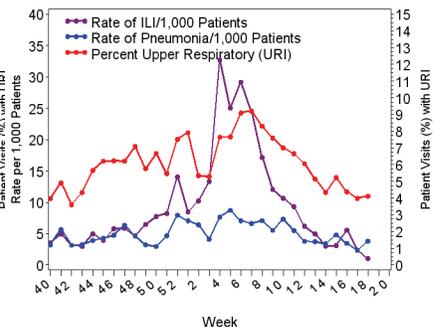
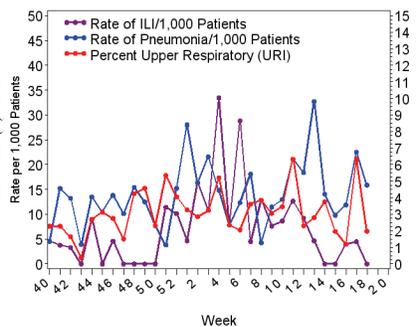
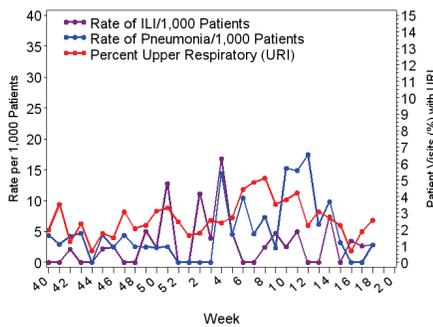
Region 1: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 2: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013    Region 3: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



Region 4: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013

Region 5: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013

Region 6: Oregon Outpatient ILI/URI/Pneumonia Surveillance OCHIN 2012-2013



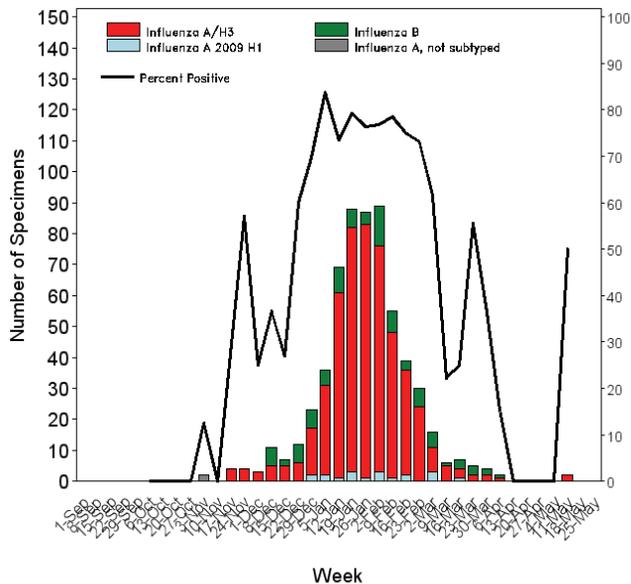
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

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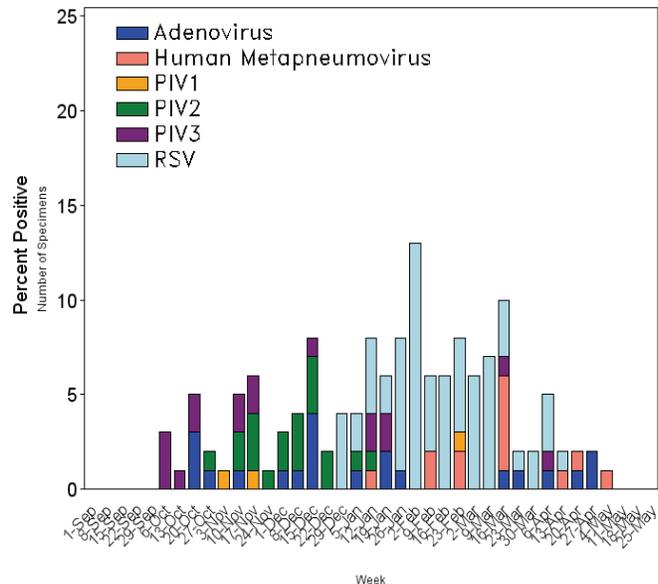
Categories are based on ICD-9 diagnosis codes, combinations of codes, and reason for visit.

## Laboratory Surveillance:

Number and Percent Positive for Influenza by PCR, OSPHL 2012-2013



Viral Respiratory Pathogens PCR-Positive at OSPHL by Week, 2012-2013



The Oregon State Public Health Laboratory (OSPHL) is performing influenza typing and sub-typing by PCR on specimens from the following groups of patients:

- Patients seen by Oregon Sentinel providers from ILINet & Influenza Incidence Surveillance Project (IISP).
- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of the CDC-funded study, The Influenza Hospitalization Network (FluSurv-NET). We encourage submission of specimens to OSPHL even if rapid influenza tests are negative or have not been performed.
- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist at (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

**Tables 1 and 2** show the current week and cumulative totals (**since Oct. 1, 2012**) for influenza and other respiratory virus specimens tested at OSPHL.

**Table 1. Oregon State Public Health Laboratory Influenza Specimen Type and Subtype, 2012-13. \***

	Current Week	Cumulative
<b>Influenza A</b>	2 (50%)	514 (52%)
2009 pH1N1	0	19 (2%)
Seasonal A H3	2 (50%)	493 (49%)
Not subtyped	0	2 (<1%)
<b>Influenza B</b>	0	87 (9%)
Undetected	2 (50%)	401 (40%)
<b>Total Tested</b>	<b>4</b>	<b>1,002</b>

**Table 2. Oregon State Public Health Laboratory Non-Influenza Respiratory Viruses, 2012-13. \***

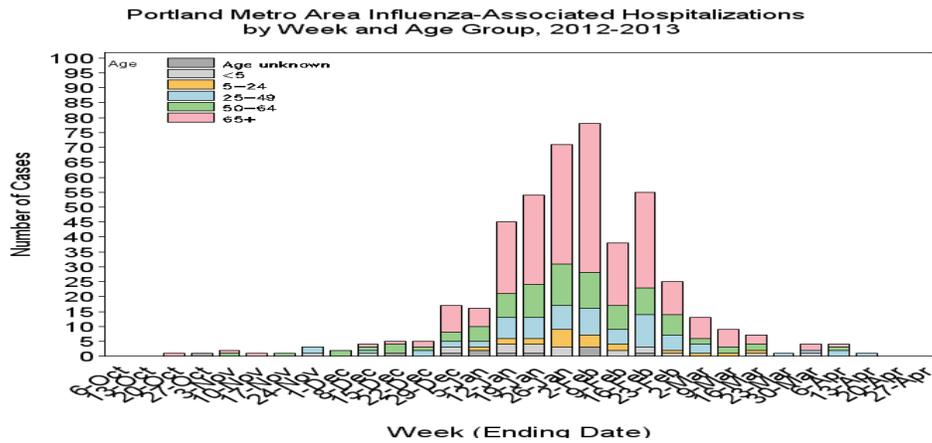
	Current Week	Cumulative
<b>Adenovirus</b>	0	21 (5%)
<b>Parainfluenza type 1</b>	0	3 (<1%)
<b>Parainfluenza type 2</b>	0	19 (5%)
<b>Parainfluenza type 3</b>	0	17 (4%)
<b>Human Metapneumovirus</b>	0	13 (3%)
<b>RSV</b>	0	70(17%)
<b>Total Tested</b>	<b>4</b>	<b>401</b>

\*Includes specimen testing from outbreaks, hospitalized cases, statewide ILINet sentinel provider surveillance, and the state Influenza Incidence Surveillance Project (IISP). Totals tested from Table 1 & 2 not mutually exclusive.

### Tri-County Influenza Hospitalizations:

No hospitalization was reported in the Portland area (Clackamas, Multnomah, Washington Counties) during Week 19.

A cumulative total of 463 hospitalizations have been reported since October 1, 2012.

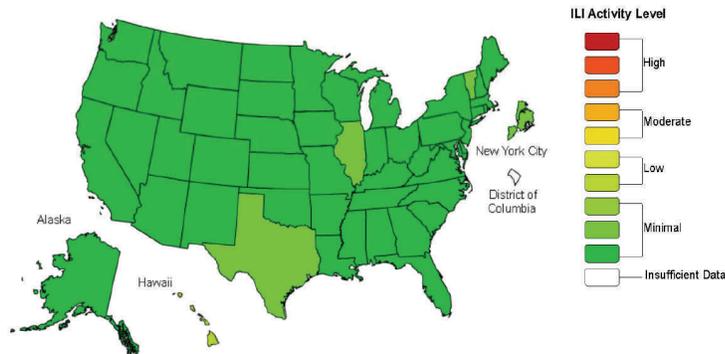


**Outbreaks:** 0 ILI outbreaks were reported for week 19. Between October 1, 2012, and May 11, 2013, 54 outbreaks involving ILI have been reported (including outbreaks of mixed etiology, like RSV and influenza); 37 so far have been laboratory confirmed as influenza virus.

**National Data:** During week 19 (May 05—11, 2013), influenza activity remained low in the United States.

- **Viral Surveillance:** Of 2,416 specimens tested and reported by collaborating laboratories, 124 (5.1%) were positive for influenza.
- **Pneumonia and Influenza Mortality:** The proportion of deaths attributed to pneumonia and influenza (P&I) was below the epidemic threshold.
- **Influenza-Associated Pediatric Deaths:** One pediatric death was reported.
- **Influenza-Associated Hospitalizations:** A cumulative rate for the season of 44.3 laboratory-confirmed influenza-associated hospitalizations per 100,000 population was reported. Of reported hospitalizations, 50% were among adults 65 years and older.
- **Outpatient Illness Surveillance:** The proportion of outpatient visits for influenza-like illness (ILI) was 0.9%. This is below the national baseline of 2.2%. All 10 regions reported ILI below region-specific baseline levels. One state experienced low activity, 49 states and New York City experienced minimal activity, and the District of Columbia had insufficient data.
- **Geographic Spread of Influenza:** 1 state reported regional influenza activity; Puerto Rico and 2 states reported local influenza activity; Guam, and 35 states reported sporadic influenza activity; 12 states reported no influenza activity, and the District of Columbia and the U.S. Virgin Islands did not report.

**Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet 2012-13 Influenza Season Week 19 ending May 11, 2013**



**Map above left:** This map uses the proportion of outpatient visits to ILINet sentinel providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.

**Weekly Influenza Activity Estimates Reported by State & Territorial Epidemiologists\* Week ending May 11, 2013 - Week 19**



**Map above Right:** This map measures the geographic spread of influenza viruses, but does not measure the intensity of influenza activity.

**Additional resources:**

- CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly>
- Information about influenza A H7N9 in China: <http://www.cdc.gov/flu/avianflu/h7n9-virus.htm>, <http://www.who.int/csr/don/en/index.html>
- For more Oregon influenza surveillance information: <https://public.health.oregon.gov/DISEASES/CONDITIONS/COMMUNICABLEDISEASE/DISEASESURVEILLANCEDATA/INFLUENZA/Pages/surveil.aspx>