

FLU BITES

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

Published May 13, 2011



Summary

- Influenza activity is low across the U.S. No states reported widespread influenza activity, only one state (New Hampshire) reported regional influenza activity, and two states (Maine and Vermont) reported local activity for the week ending May 7, 2011.
- The level of influenza-like illness (ILI) detected by Oregon's outpatient ILI network was below the baseline in Week 18 and has decreased from previous weeks.
- One influenza-associated hospitalization* was reported in Week 18.
- Due to the low amount of influenza activity, this will be the last weekly report for the 2010-2011 season.

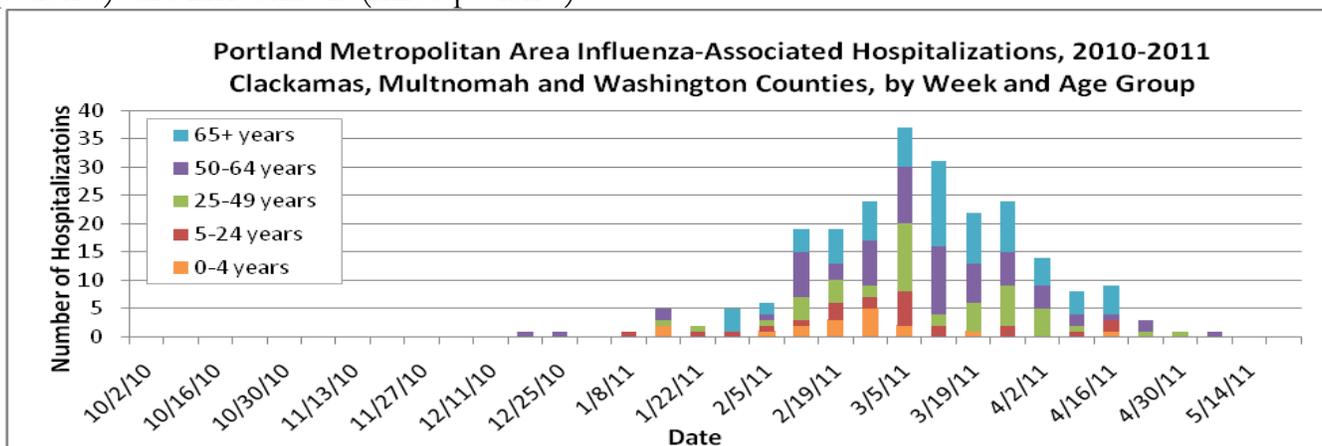
* Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

**Percent positivity based on data from Oregon's RSV Laboratory Surveillance System (number of positive RSV tests ÷ number of RSV tests performed)

Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations are reported by hospitals in the Portland Tri-County area (Clackamas, Multnomah, and Washington counties) for all ages where patients are admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, PCR, or serology.

Two hundred thirty-two influenza-associated hospitalizations (two hundred adults and thirty-two pediatric) have been reported since we began conducting official influenza surveillance this season; all have occurred since Week 50. The most common influenza subtypes identified from these patients include A/H3 (ninety-five patients), 2009 H1N1 (seventy-nine patients) and influenza B (three patients).



Outpatient Influenza-like Illness (ILI)

ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network

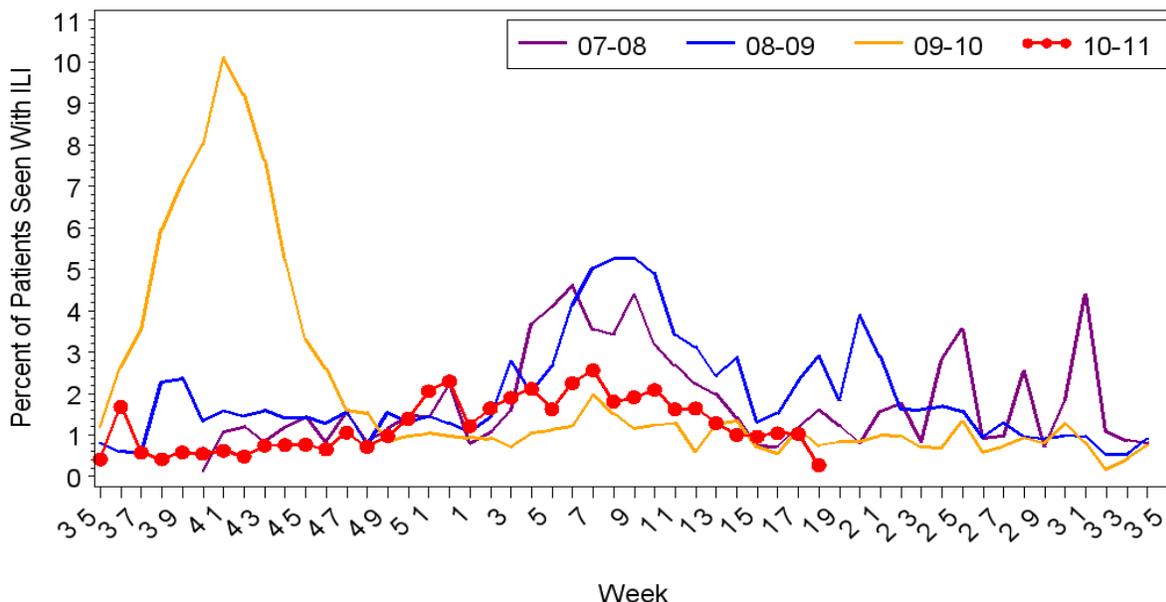
Oregon's outpatient influenza-like illness network is comprised of 30 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness (ILI) as well as total number of patient visits for each week during the surveillance season.

ILI is defined as fever ($\geq 100^{\circ}\text{F}$) and cough or sore throat. The number of patient visits and the percent of patients with ILI for the last 4 weeks are presented below. The average ILI reported during influenza weeks (defined as percent positive for influenza at the Oregon State Public Health Laboratory $>10\%$) over the previous three seasons is 3.52% (although this figure is skewed upward by the H1N1 pandemic of 2009). The percent of outpatients seen with ILI for Week 18 was 0.28%, which is below the seasonal average and represents a decrease from previous weeks.

So far this season the greatest percentage of patients with ILI during one week was 2.56%, seen during the week ending February 19th.

	Number of Patients Visits	Percent of Patients with ILI	Number of Provider Reports
Week ending May 7th	2503	0.28%	10
Week ending April 30th	3008	1.03%	13
Week ending April 23rd	3249	1.05%	14
Week ending April 16th	3106	0.97%	15

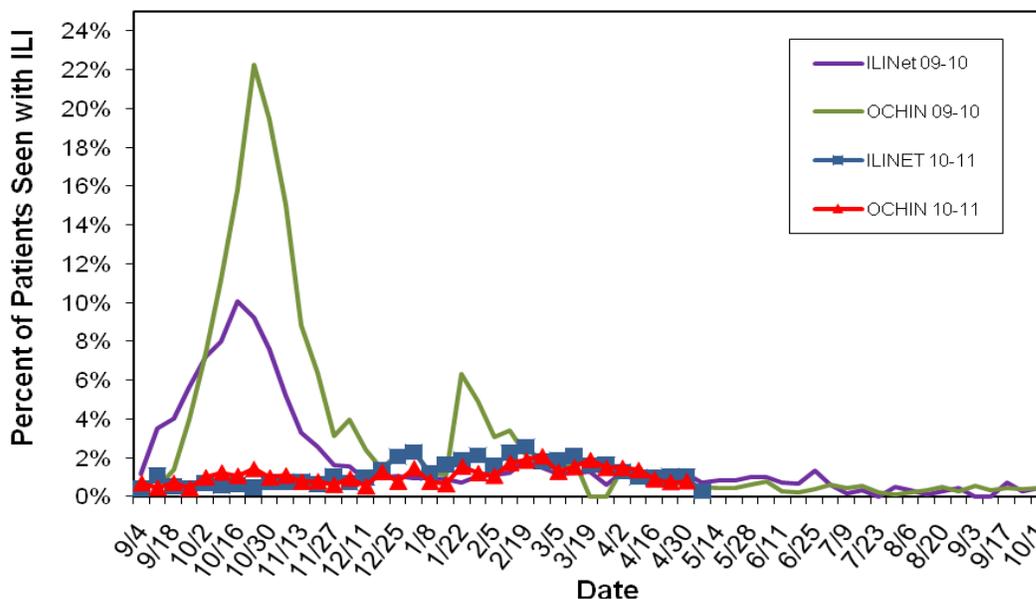
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 12MAY11
Percent of Outpatients with Influenza-like Illness (ILI)
 2007-2008, 2008-2009, 2009-2010, 2010-2011



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 reports of ILI are one week behind our other syndromic surveillance system reports. The percent of OCHIN patients seen with ILI was 0.75% and 0.80% during weeks 16 and 17, respectively.

Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



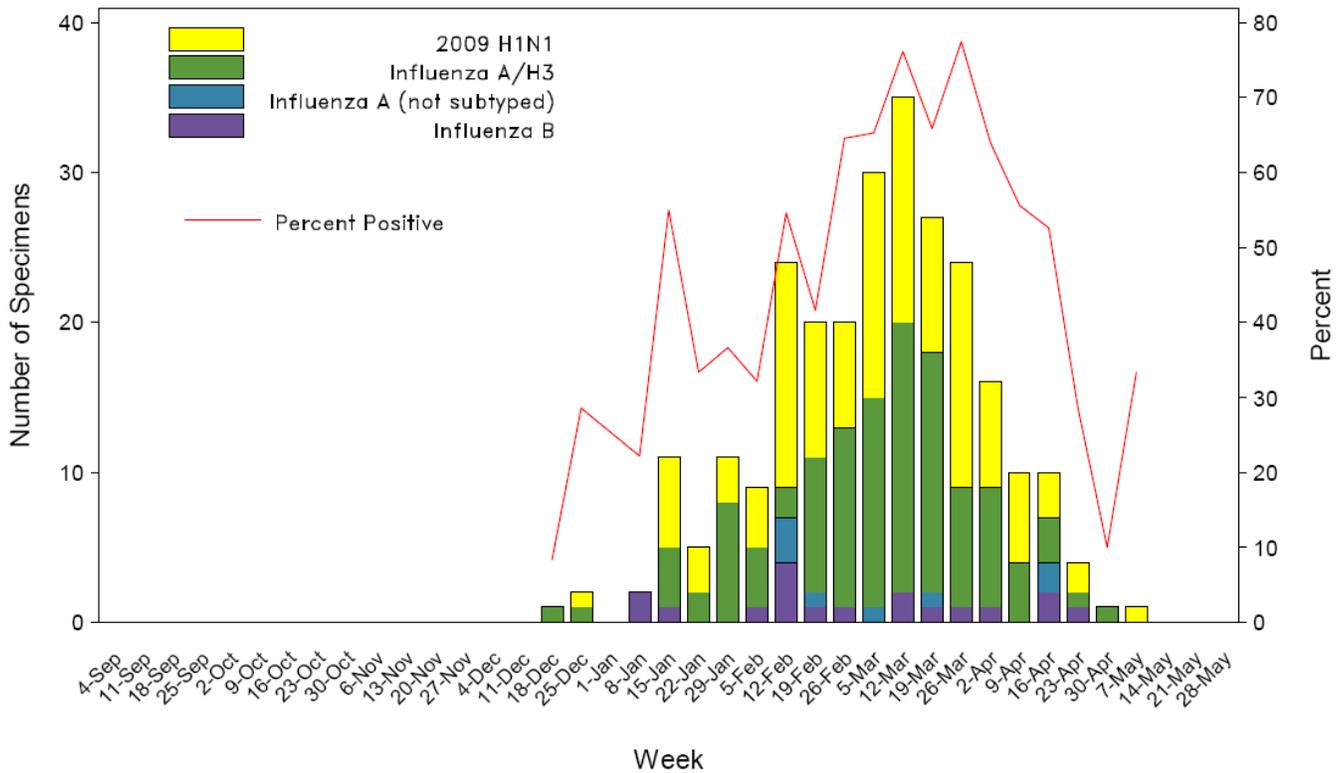
Laboratory Surveillance

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 (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 a CDC-funded study. We encourage submission of specimens 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 (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

To date, all isolates of influenza tested by the OSPHL are similar to viruses chosen for the 2010-2011 influenza vaccine.

**Number and Percent Positive for Influenza by PCR
OSPHL 2010-2011**



**Oregon State Public Health Laboratory
Specimen Type and Subtype, 2010-11**

	Cumulative since September 1st, 2010					Current Week (May 1-7, 2011)
	ILINet N (%)	IISP N %	Hospitalized* or Died N (%)	Outbreaks N (%)	Total N (%)	Total N (%)
Influenza A						
2009 pH1N1	10 (18)	32 (9)	79 (41)	0	121 (19)	1 (33)
Seasonal A (H1)	0	0	0	0	0	0
Seasonal A (H3)	6 (11)	10 (3)	95 (50)	5 (16)	116 (19)	0
Not subtyped	0	0	8 (4)	0	8 (1)	0
Influenza B	3 (5)	11 (3)	3 (2)	1 (3)	18 (3)	0
Respiratory Syncytial Virus (RSV)	1 (2)	21 (6)	1 (0.5)	3 (10)	26 (4)	0
Parainfluenza type 1	0	1 (0.3)	0	0	1 (0.2)	0
Parainfluenza type 2	0	6 (2)	0	0	6 (1)	0
Parainfluenza type 3	2 (4)	13 (4)	0	0	15 (2)	0
Adenovirus	1 (2)	8 (2)	0	0	9 (1)	0
Pending		0	0	3 (10)	3 (0.5)	0
Undetected	36 (62)	242 (70)	6 (3)	19 (61)	302 (48)	2 (67)
Total Tested	58	345	192	31	626	3

*Although we make our best effort to only include hospitalized pts in our lab surveillance, submissions for hospitalized cases include some ER visits

For additional information on influenza testing guidelines for the 2010-11 season, please see: http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/ReportingCommunicableDisease/ReportingGuidelines/Documents/test_guideline2010.pdf

Additional resources:

For more information on influenza in Oregon please see: <http://www.flu.oregon.gov/>.

Oregon influenza surveillance:

<http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/DiseaseSurveillanceData/Influenza/Pages/surveil.aspx>

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

FLU BITES

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

Published May 6, 2011



Summary

- The level of influenza-like illness (ILI) detected by Oregon's outpatient ILI network was below the baseline in Week 17, although slightly increased from previous weeks.
- One influenza-associated hospitalization* was reported in Week 17.
- Circulating influenza types/subtypes identified so far this season include influenza B, influenza A/H3, and 2009 H1N1.
- RSV season began officially in Oregon the week ending January 1, 2011. RSV percent positivity** for the week ending April 30, 2011 was 7%, marking the third consecutive week in which percent positivity was below the 10% threshold and thus the end of RSV season.

* Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

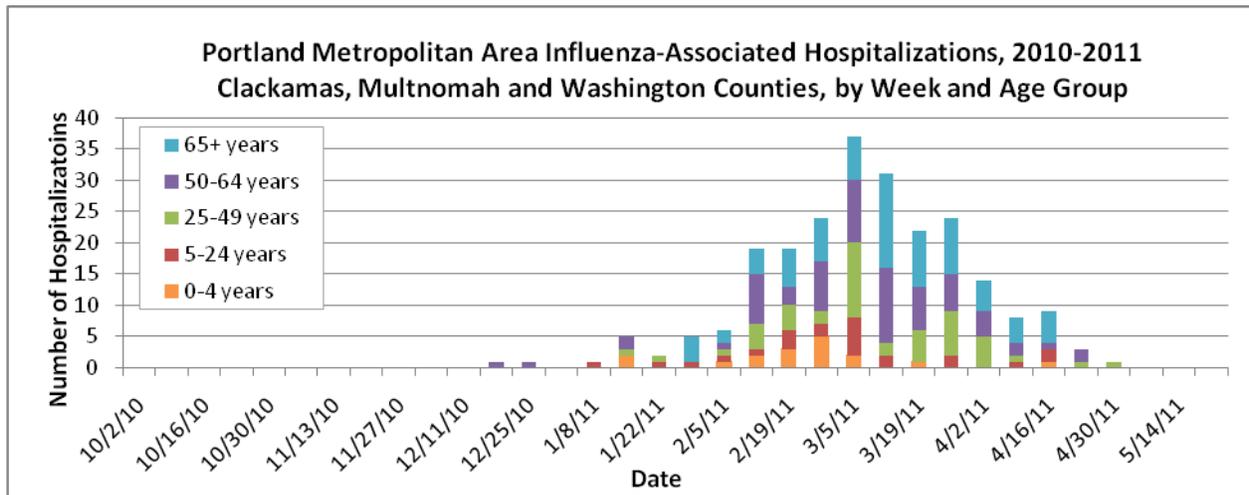
**Percent positivity based on data from Oregon's RSV Laboratory Surveillance System (number of positive RSV tests ÷ number of RSV tests performed)

Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations are reported by hospitals in the Portland Tri-County area (Clackamas, Multnomah, and Washington counties) for all ages where patients are admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, PCR, or serology.

Two hundred thirty-one influenza-associated hospitalizations (one hundred ninety-nine adults and thirty-two pediatric) have been reported since we began conducting official influenza surveillance this season; all have occurred since Week 50. The most common influenza subtypes identified from these patients include A/H3 (ninety-four patients), 2009 H1N1 (seventy-eight patients) and influenza B (three patients).

We encourage submission of specimens to the Oregon State Public Health Laboratory for patients hospitalized with influenza-like illness in the Portland Tri-County area, even if rapid influenza tests are negative or have not been performed. To report an influenza-associated hospitalization in these three counties, please contact Matt Laidler at 971-673-0288 or email Matthew.Laidler@state.or.us.



Outpatient Influenza-like Illness (ILI)

ILINet: Oregon’s Outpatient Influenza-like Illness Surveillance Network

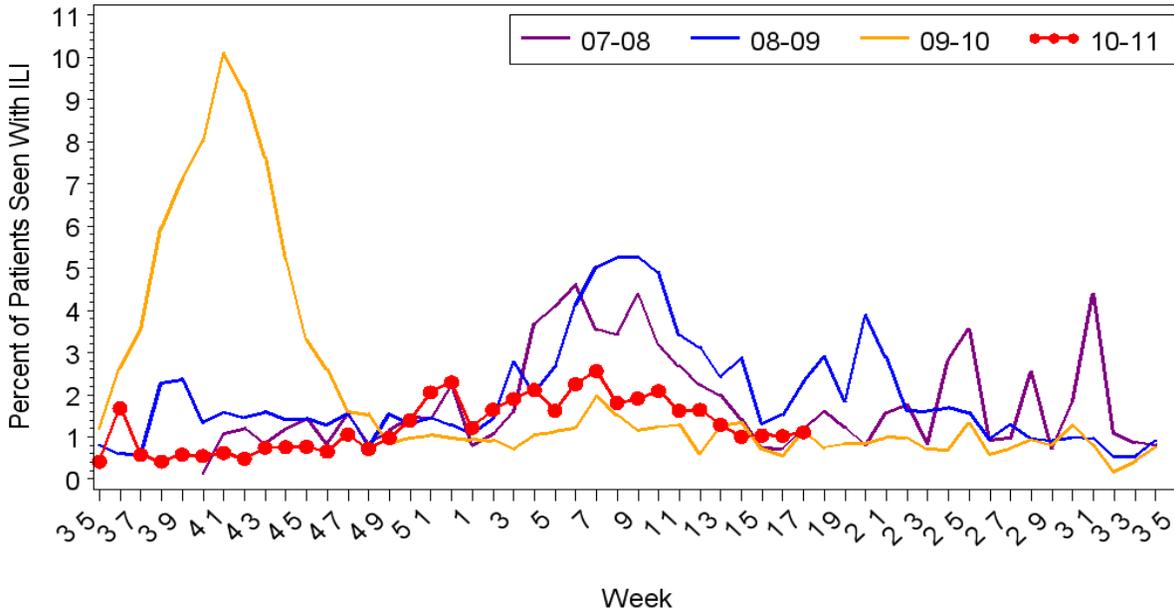
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ILI is defined as fever ($\geq 100^{\circ}\text{F}$) and cough or sore throat. The number of patient visits and the percent of patients with ILI for the last 4 weeks are presented below. The average ILI reported during influenza weeks (defined as percent positive for influenza at the Oregon State Public Health Laboratory $>10\%$) over the previous three seasons is 3.52% (although this figure is skewed upward by the H1N1 pandemic of 2009). The percent of outpatients seen with ILI for Week 17 was 1.11%, which is below the seasonal average and represents a slight increase from previous weeks.

So far this season the greatest percentage of patients with ILI during one week was 2.56%, seen during the week ending February 19th.

	Number of Patients Visits	Percent of Patients with ILI	Number of Provider Reports
Week ending April 30 th	2888	1.11%	12
Week ending April 23 rd	3075	1.01%	13
Week ending April 16 th	2815	1.07%	12
Week ending April 9 th	3769	1.01%	18

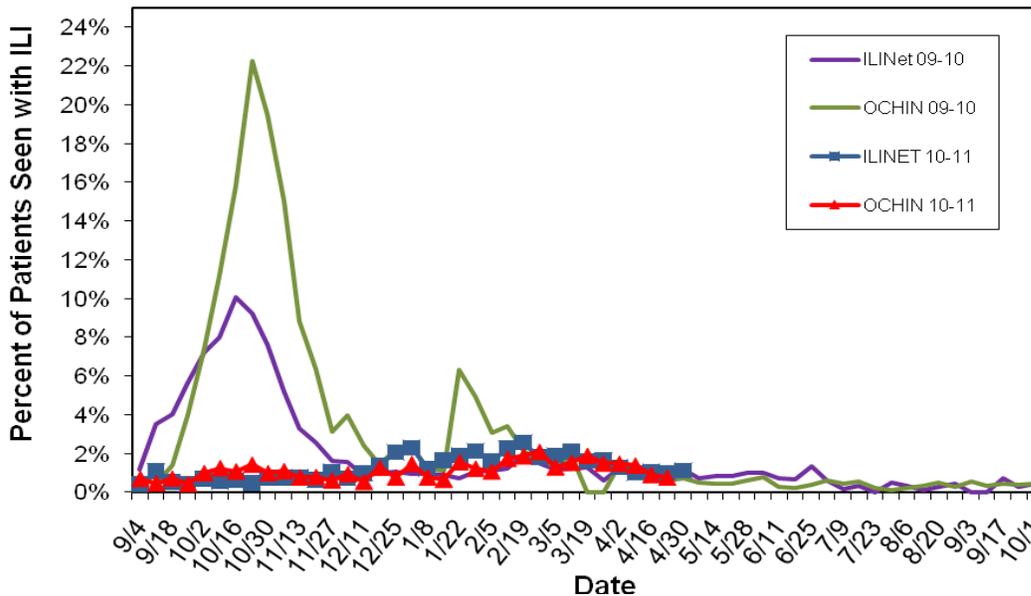
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 06MAY11
Percent of Outpatients with Influenza-like Illness (ILI)
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Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



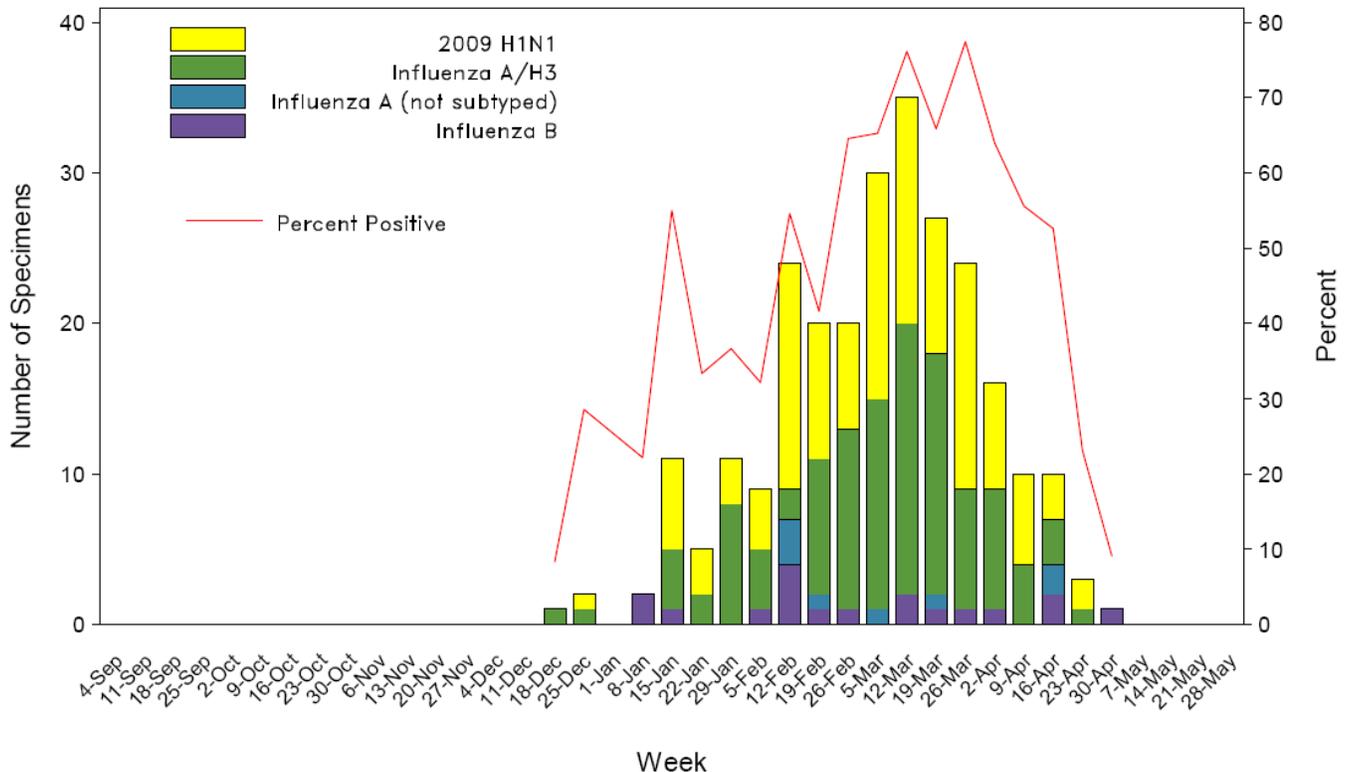
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- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of a CDC-funded study. We encourage submission of specimens even if rapid influenza tests are negative or have 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 (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

To date, all isolates of influenza tested by the OSPHL are similar to viruses chosen for the 2010-2011 influenza vaccine.

**Number and Percent Positive for Influenza by PCR
OSPHL 2010-2011**



**Oregon State Public Health Laboratory
Specimen Type and Subtype, 2010-11**

	Cumulative since September 1st, 2010					Current Week (Apr. 24-30, 2011)
	ILINet N (%)	IISP N %	Hospitalized* or Died N (%)	Outbreaks N (%)	Total N (%)	Total N (%)
Influenza A						
2009 pH1N1	10 (18)	32 (10)	78 (41)	0	120 (19)	0
Seasonal A (H1)	0	0	0	0	0	0
Seasonal A (H3)	6 (11)	10 (3)	94 (49)	5 (16)	115 (18)	0
Not subtyped	0	0	8 (4)	0	8 (1)	0
Influenza B	3 (5)	11 (3)	3 (2)	1 (3)	18 (3)	1 (8)
Respiratory Syncytial Virus (RSV)	1 (2)	21 (6)	1 (0.5)	3 (10)	26 (4)	0
Parainfluenza type 1	0	1 (0.3)	0	0	1 (0.2)	0
Parainfluenza type 2	0	6 (2)	0	0	6 (1)	0
Parainfluenza type 3	2 (4)	13 (4)	0	0	15 (2)	0
Adenovirus	1 (2)	8 (2)	0	0	9 (1)	0
Pending	0	0	1 (0.5)	3 (10)	4 (1)	1 (8)
Undetected	36 (62)	241 (70)	6 (3)	19 (61)	301 (48)	10 (83)
Total Tested	58	344	191	31	624	12

*Although we make our best effort to only include hospitalized pts in our lab surveillance., submissions for hospitalized cases include some ER visits

For additional information on influenza testing guidelines for the 2010-11 season, please see: http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/ReportingCommunicableDisease/ReportingGuidelines/Documents/test_guideline2010.pdf

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

FLU BITES

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

Published April 29, 2011



Summary

- Levels of influenza-like illness (ILI) detected by Oregon's outpatient ILI network have continued to decrease in Week 16, and the number of reported influenza-associated hospitalizations (two)* has decreased from Week 15.
- Circulating influenza types/subtypes identified so far this season include influenza B, influenza A/H3, and 2009 H1N1.
- RSV season began officially in Oregon the week ending January 1, 2011. RSV percent positivity** for the week ending April 23, 2011 was 8%, marking the second consecutive week in which percent positivity was below the 10% threshold and thus the end of RSV season.

* Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

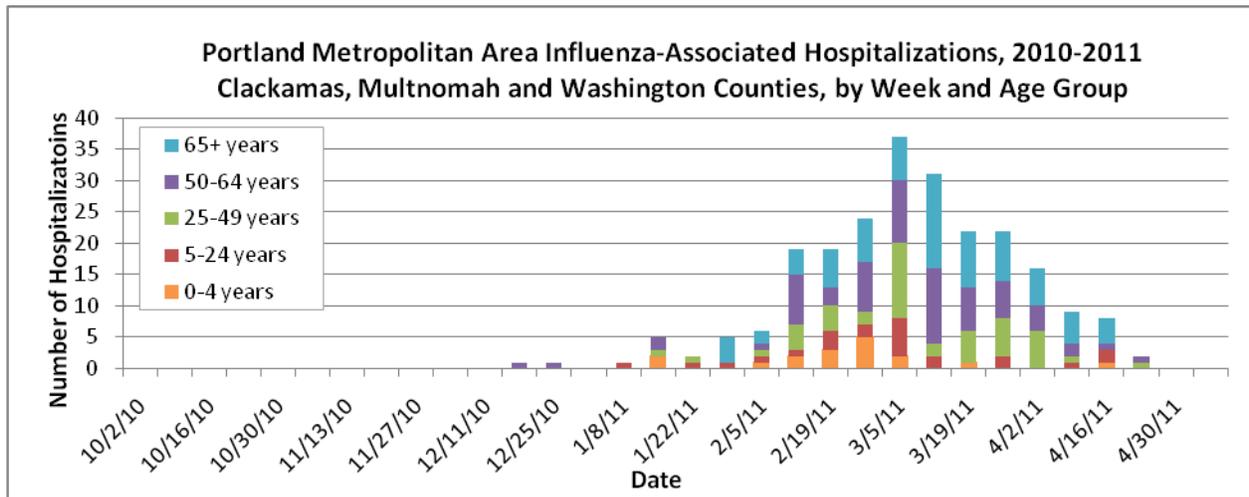
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Two hundred twenty-nine influenza-associated hospitalizations (one hundred ninety-seven adults and thirty-two pediatric) have been reported since we began conducting official influenza surveillance this season; all have occurred since Week 50. The most common influenza subtypes identified from these patients include A/H3 (ninety-three patients), 2009 H1N1 (seventy-eight patients) and influenza B (three patients).

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Outpatient Influenza-like Illness (ILI)

ILINet: Oregon’s Outpatient Influenza-like Illness Surveillance Network

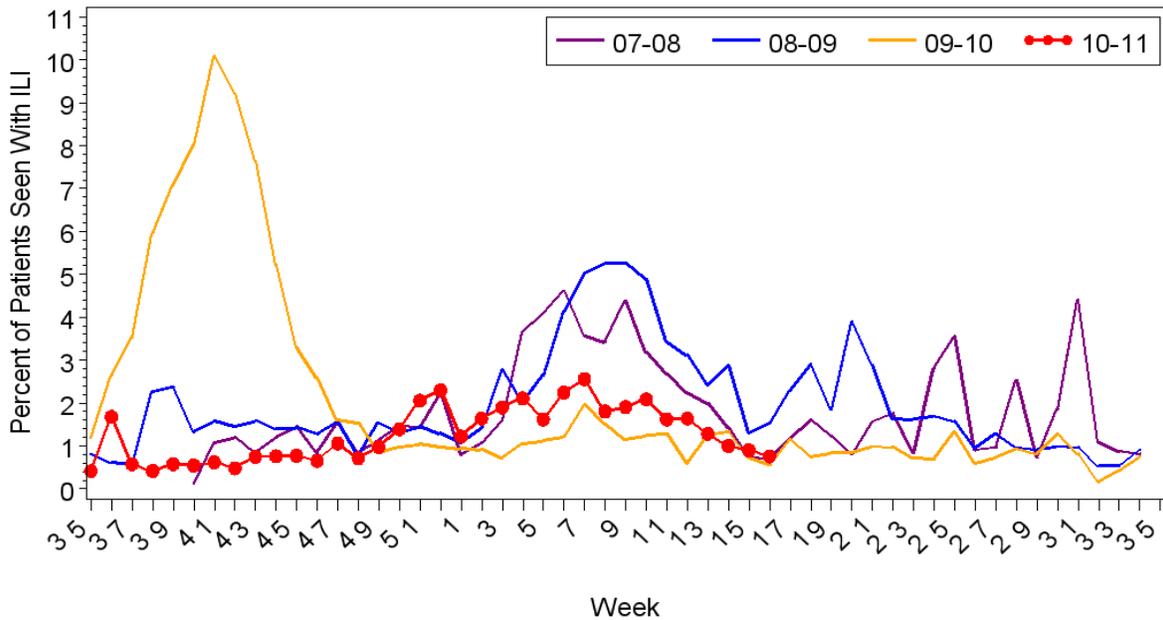
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So far this season the greatest percentage of patients with ILI during one week was 2.56%, seen during the week ending February 19th.

	Number of Patients Visits	Percent of Patients with ILI	Number of Provider Reports
Week ending April 23 rd	2211	0.69%	10
Week ending April 16 th	2099	0.91%	10
Week ending April 9 th	3769	1.01%	18
Week ending April 2 nd	3644	1.29%	17

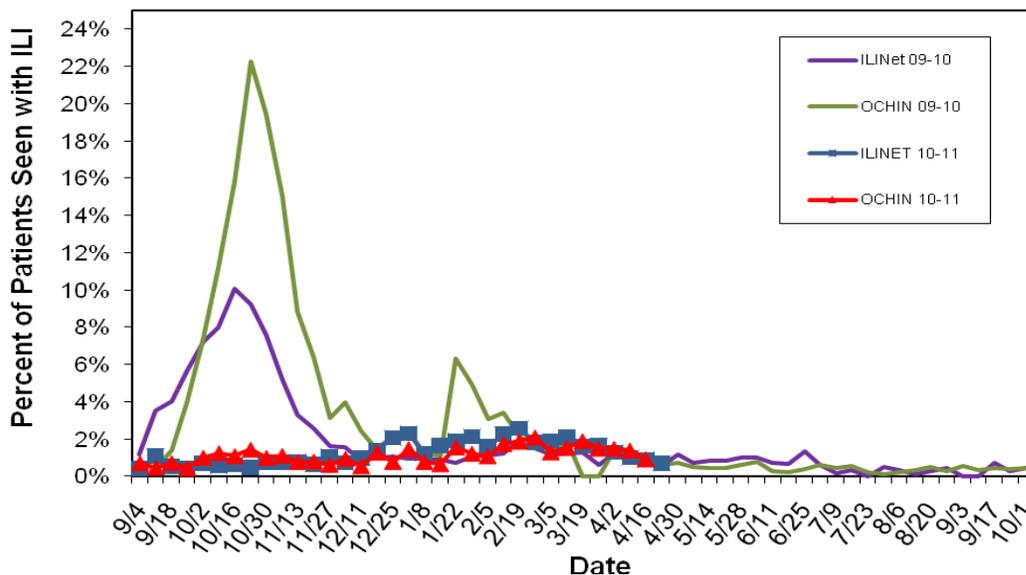
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 29APR11
Percent of Outpatients with Influenza-like Illness (ILI)
 2007-2008, 2008-2009, 2009-2010, 2010-2011



OCHIN Influenza-like Illness Surveillance

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Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



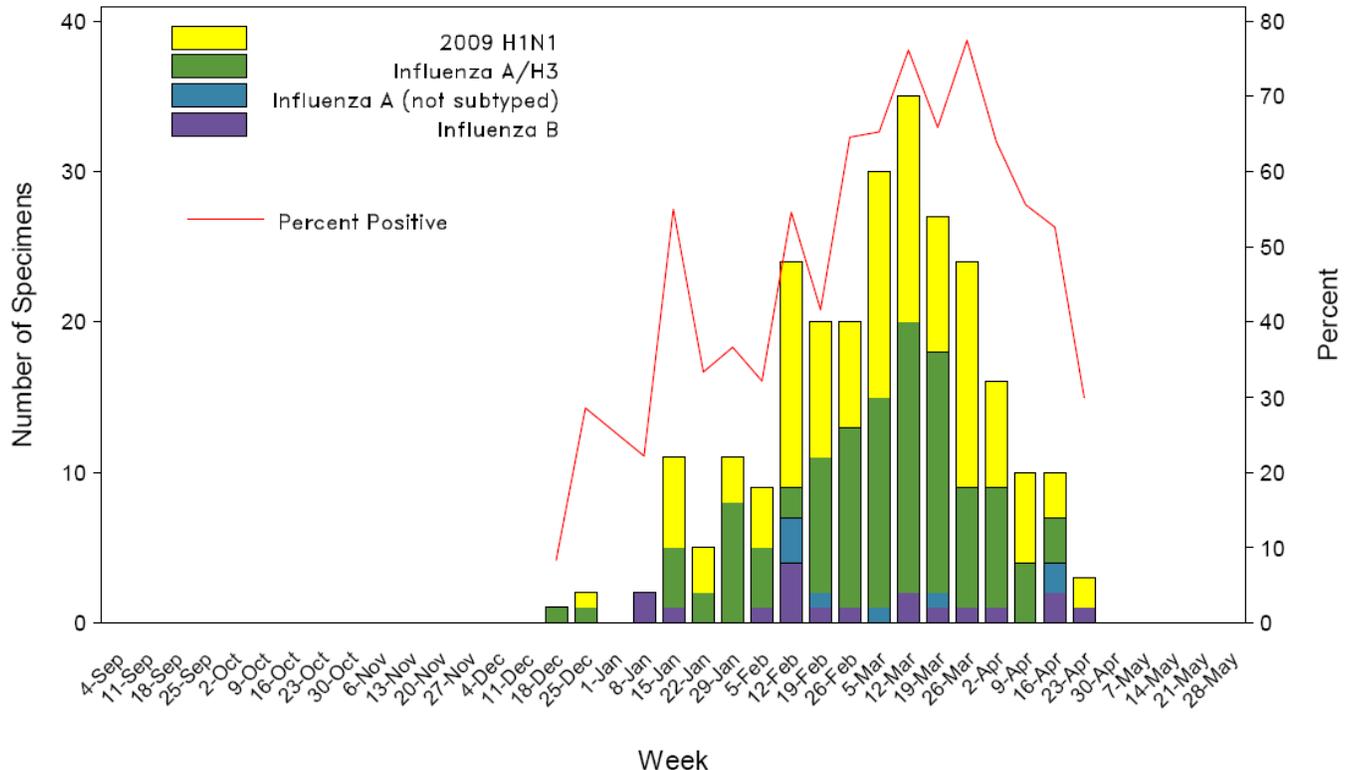
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- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the on-call ACDP epidemiologist (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

To date, all isolates of influenza tested by the OSPHL are similar to viruses chosen for the 2010-2011 influenza vaccine.

**Number and Percent Positive for Influenza by PCR
OSPHL 2010-2011**



**Oregon State Public Health Laboratory
Specimen Type and Subtype, 2010-11**

	Cumulative since September 1st, 2010					Current Week (Apr. 17-23, 2011)
	ILINet N (%)	IISP N %	Hospitalized* or Died N (%)	Outbreaks N (%)	Total N (%)	Total N (%)
Influenza A						
2009 pH1N1	10 (18)	32 (10)	78 (41)	0	120 (20)	2 (20)
Seasonal A (H1)	0	0	0	0	0	0
Seasonal A (H3)	6 (11)	10 (3)	93 (49)	5 (18)	114 (19)	0
Not subtyped	0	0	8 (4)	0	8 (1)	0
Influenza B	3 (5)	11 (3)	3 (2)	1 (4)	18 (3)	1 (10)
Respiratory Syncytial Virus (RSV)	1 (2)	21 (6)	1 (1)	3 (11)	26 (4)	0
Parainfluenza type 1	0	1 (0.3)	0	0	1 (0.2)	0
Parainfluenza type 2	0	6 (2)	0	0	6 (1)	0
Parainfluenza type 3	2 (4)	13 (4)	0	0	15 (2)	0
Adenovirus	1 (2)	8 (2)	0	0	9 (1)	1 (10)
Pending	0	6 (2)	0	0	6 (1)	6 (60)
Undetected	34 (60)	227 (68)	6 (3)	19 (68)	285 (47)	0
Total Tested	56	336	189	28	609	10

*Although we make our best effort to only include hospitalized pts in our lab surveillance., submissions for hospitalized cases include some ER visits

For additional information on influenza testing guidelines for the 2010-11 season, please see: http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/ReportingCommunicableDisease/ReportingGuidelines/Documents/test_guideline2010.pdf

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

FLU BITES

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

Published April 22, 2011



Summary

- Levels of influenza-like illness (ILI) detected by Oregon's outpatient ILI network have continued to decrease in Week 15, and the number of reported influenza-associated hospitalizations (five)* has decreased from Week 14.
- Circulating influenza types/subtypes identified so far this season include influenza B, influenza A/H3, and 2009 H1N1.
- RSV season began officially in Oregon the week of December 26, 2011-January 1, 2011. RSV percent positivity** was 9% for the week ending April 16, 2011; peak positivity was 39% during the week ending February 12.

* Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

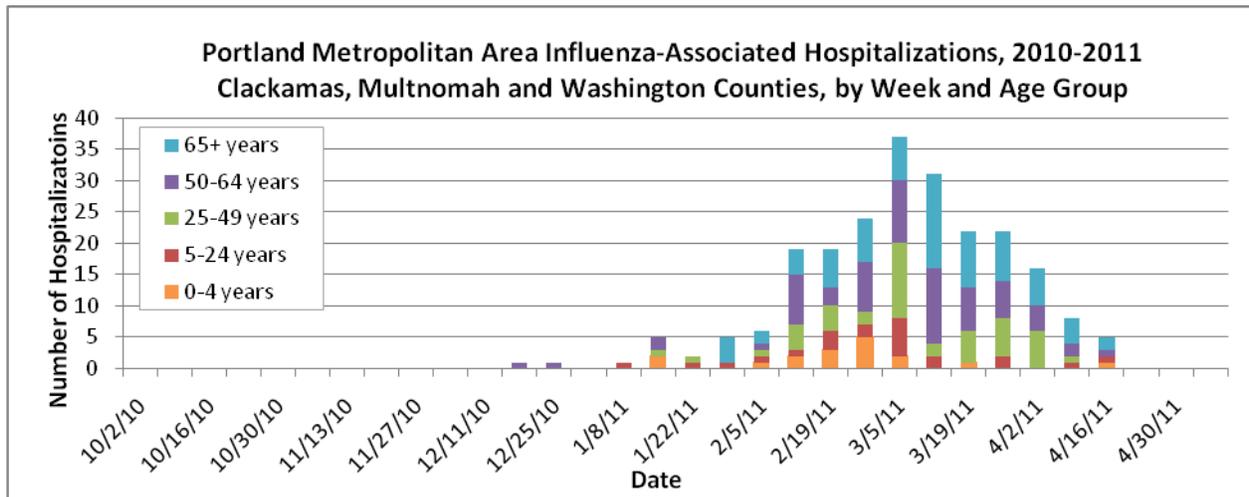
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Outpatient Influenza-like Illness (ILI)

ILINet: Oregon’s Outpatient Influenza-like Illness Surveillance Network

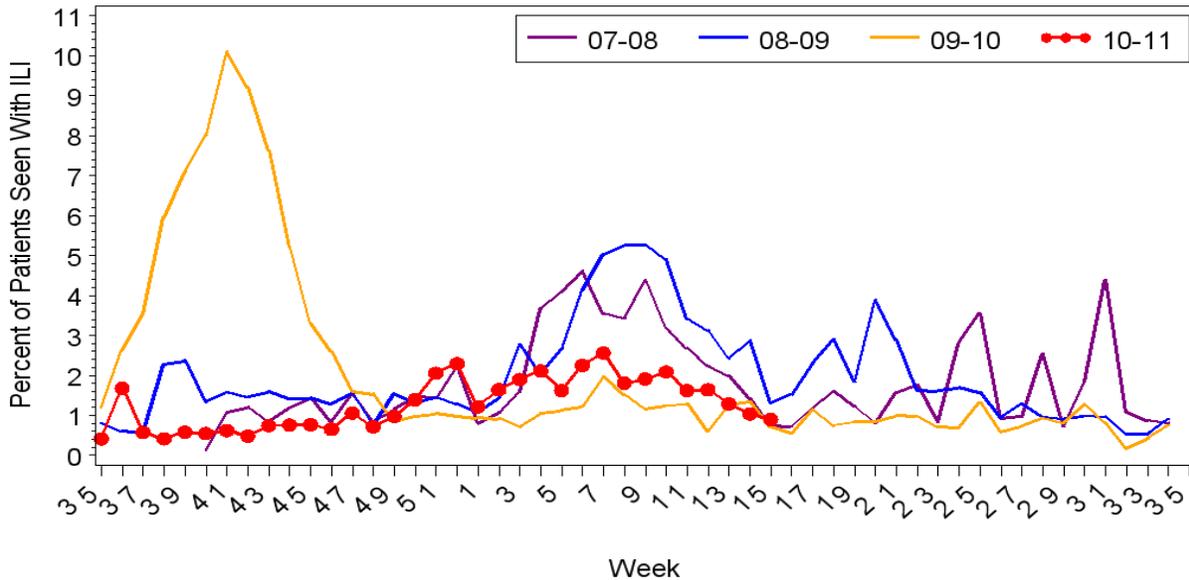
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So far this season the greatest percentage of patients with ILI during one week was 2.56%, seen during the week ending February 19th.

	Number of Patients Visits	Percent of Patients with ILI	Number of Provider Reports
Week ending April 16th	2099	0.91%	10
Week ending April 9th	3651	1.04%	17
Week ending April 2nd	3644	1.29%	17
Week ending March 26th	2128	1.64%	18

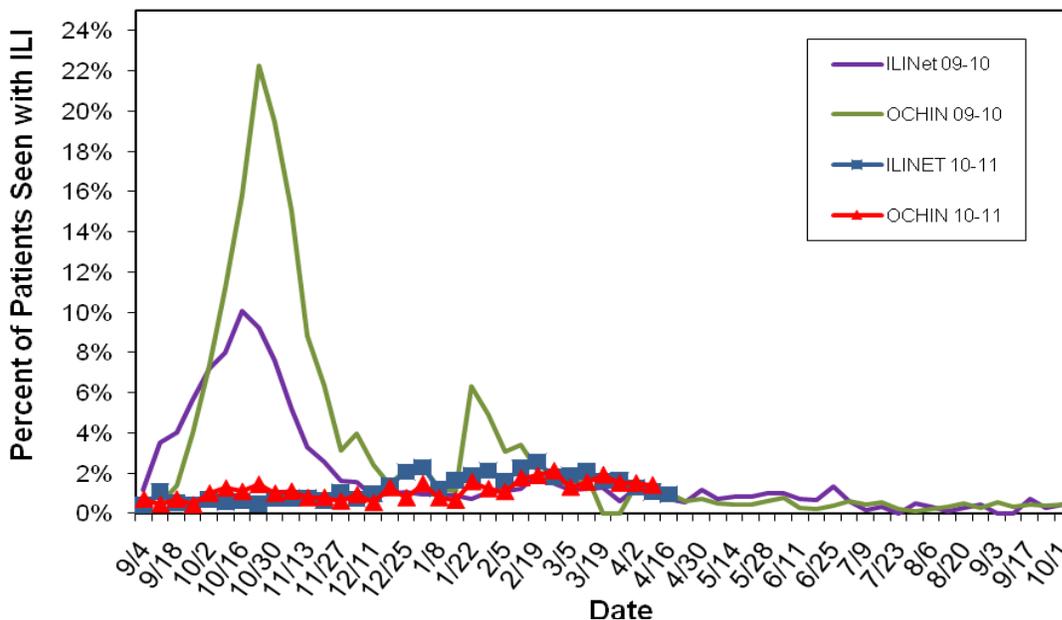
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Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



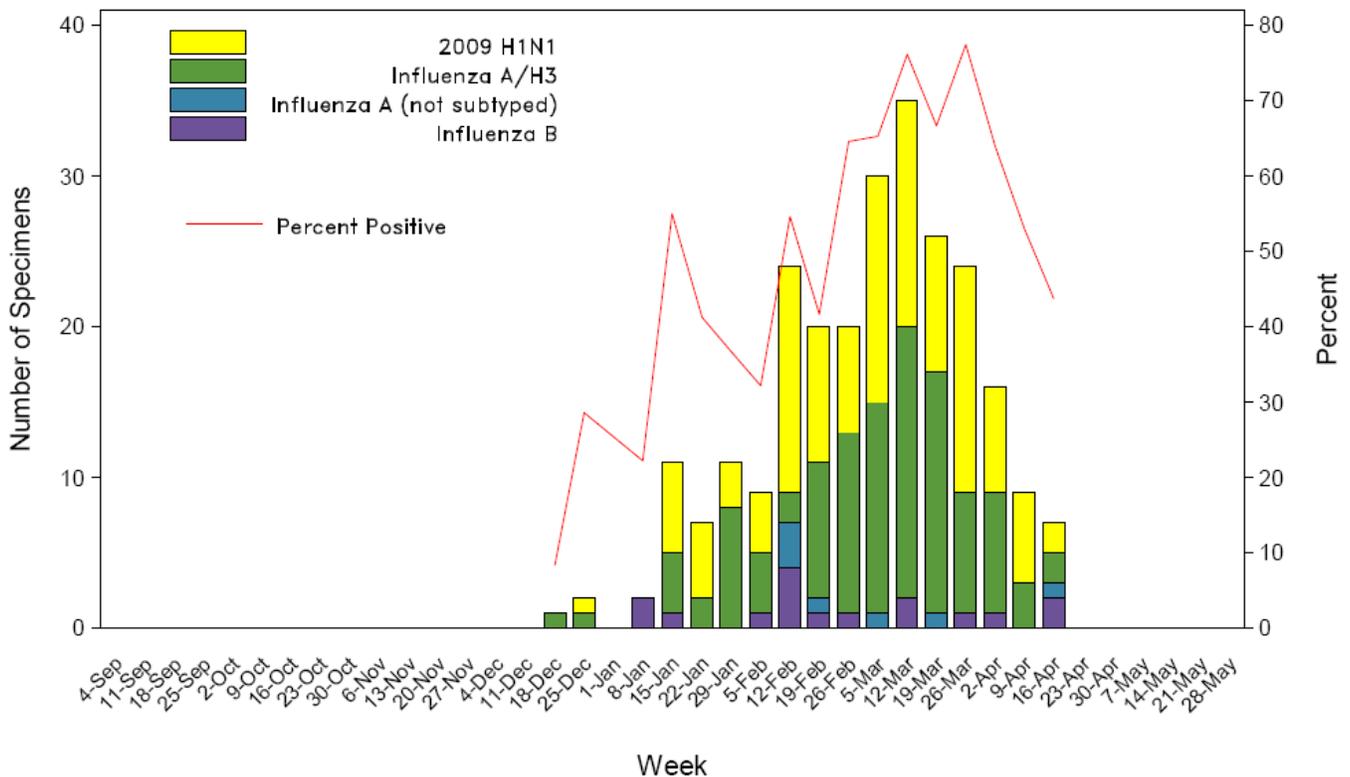
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**Number and Percent Positive for Influenza by PCR
OSPHL 2010-2011**



**Oregon State Public Health Laboratory
Specimen Type and Subtype, 2010-11**

	Cumulative since September 1st, 2010					Current Week (Apr. 10-16, 2011)
	ILINet N (%)	IISP N %	Hospitalized* or Died N (%)	Outbreaks N (%)	Total N (%)	Total N (%)
Influenza A						
2009 pH1N1	10 (18)	32 (10)	75 (41)	0	117 (20)	2 (13)
Seasonal A (H1)	0	0	0	0	0	0
Seasonal A (H3)	6 (11)	10 (3)	91 (50)	5 (18)	112 (19)	2 (13)
Not subtyped	0	0	7 (4)	0	7 (1)	1 (6)
Influenza B	3 (5)	10 (3)	3 (2)	1 (4)	17 (3)	2 (13)
Respiratory Syncytial Virus (RSV)	1 (2)	21 (6)	1 (1)	3 (11)	26 (4)	1 (6)
Parainfluenza type 1	0	1 (0.3)	0	0	1 (0.2)	0
Parainfluenza type 2	0	6 (2)	0	0	6 (1)	0
Parainfluenza type 3	2 (4)	13 (4)	0	0	15 (3)	0
Adenovirus	1 (2)	7 (2)	0	0	8 (1)	0
Pending	0	7 (2)	0	0	7 (1)	7 (44)
Undetected	34 (60)	221 (67)	6 (3)	19 (68)	279 (47)	1 (6)
Total Tested	56	328	183	28	595	16

*Although we make our best effort to only include hospitalized pts in our lab surveillance., submissions for hospitalized cases include some ER visits

For additional information on influenza testing guidelines for the 2010-11 season, please see: http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/ReportingCommunicableDisease/ReportingGuidelines/Documents/test_guideline2010.pdf

Additional resources:

For more information on influenza in Oregon please see: <http://www.flu.oregon.gov/>.

Oregon influenza surveillance:

<http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/DiseaseSurveillanceData/Influenza/Pages/surveil.aspx>

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

FLU BITES

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

Published April 15, 2011



Summary

- Levels of influenza-like illness (ILI) detected by Oregon's outpatient ILI network have decreased in Week 14, and the number of reported influenza-associated hospitalizations (four)* has decreased from Week 13.
- Circulating influenza types/subtypes identified so far this season include influenza B, influenza A/H3, and 2009 H1N1.
- RSV season began officially in Oregon the week of December 26, 2010-January 1, 2011. RSV percent positivity** was 11% for the week ending April 9, 2011; peak positivity was 39% during the week ending February 12.

* Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

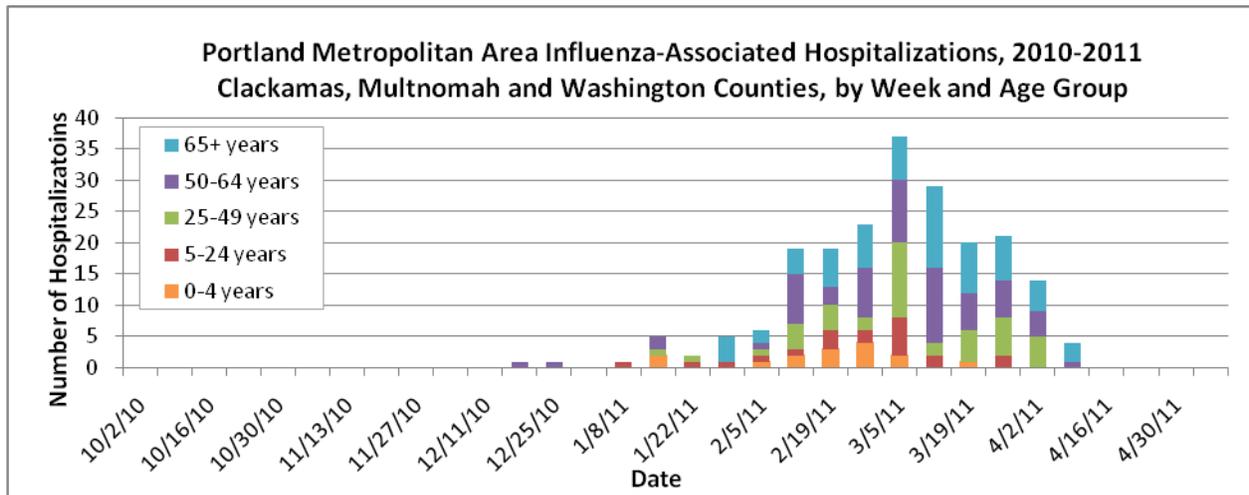
**Percent positivity based on data from Oregon's RSV Laboratory Surveillance System (number of positive RSV tests ÷ number of RSV tests performed)

Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations are reported by hospitals in the Portland Tri-County area (Clackamas, Multnomah, and Washington counties) for all ages where patients are admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, PCR, or serology.

Two hundred seven influenza-associated hospitalizations (one hundred seventy-seven adults and thirty pediatric) have been reported since we began conducting official influenza surveillance this season; all have occurred since Week 50. The most common influenza subtypes identified from these patients include A/H3 (eighty-three patients), 2009 H1N1 (sixty-six patients) and influenza B (three patients).

We encourage submission of specimens to the Oregon State Public Health Laboratory for patients hospitalized with influenza-like illness in the Portland Tri-County area, even if rapid influenza tests are negative or have not been performed. To report an influenza-associated hospitalization in these three counties, please contact Matt Laidler at 971-673-0288 or email Matthew.Laidler@state.or.us.



Outpatient Influenza-like Illness (ILI)

ILINet: Oregon’s Outpatient Influenza-like Illness Surveillance Network

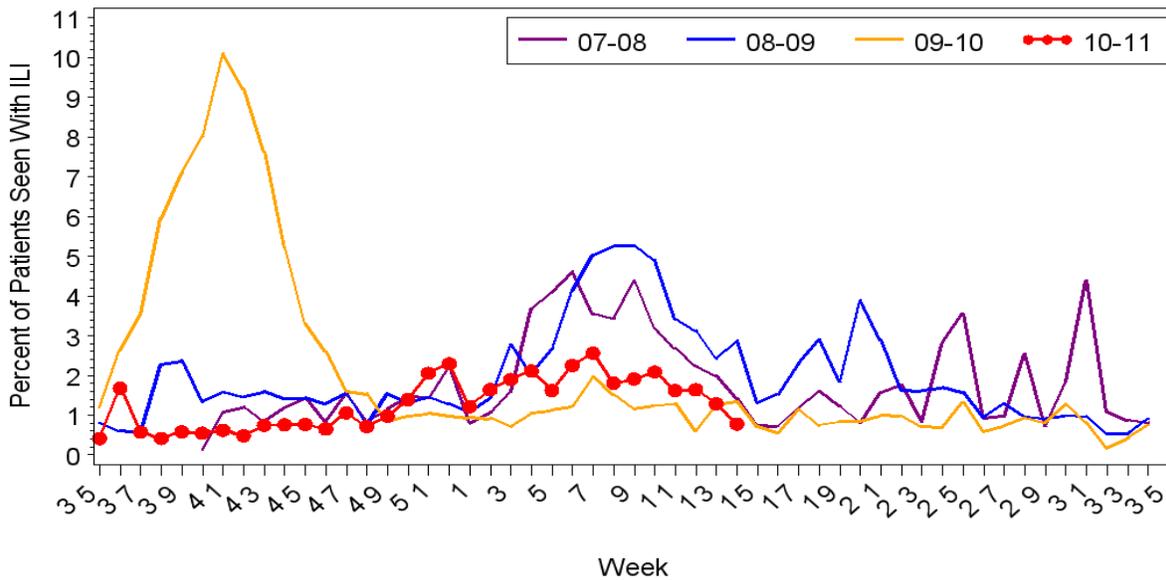
Oregon’s outpatient influenza-like illness network is comprised of 30 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness (ILI) as well as total number of patient visits for each week during the surveillance season.

ILI is defined as fever ($\geq 100^{\circ}\text{F}$) and cough or sore throat. The number of patient visits and the percent of patients with ILI for the last 4 weeks are presented below. The average ILI reported during influenza weeks (defined as percent positive for influenza at the Oregon State Public Health Laboratory $>10\%$) over the previous three seasons is 3.52% (although this figure is skewed upward by the H1N1 pandemic of 2009). The percent of outpatients seen with ILI for Week 14 was 0.78%, which is below the seasonal average and represents a decrease from previous weeks.

So far this season the greatest percentage of patients with ILI during one week was 2.56%, seen during the week ending February 19th.

	Number of Patients Visits	Percent of Patients with ILI	Number of Provider Reports
Week ending April 9th	2683	0.78%	13
Week ending April 2nd	3644	1.29%	17
Week ending March 26th	2128	1.64%	18
Week ending March 19th	3200	1.63%	15

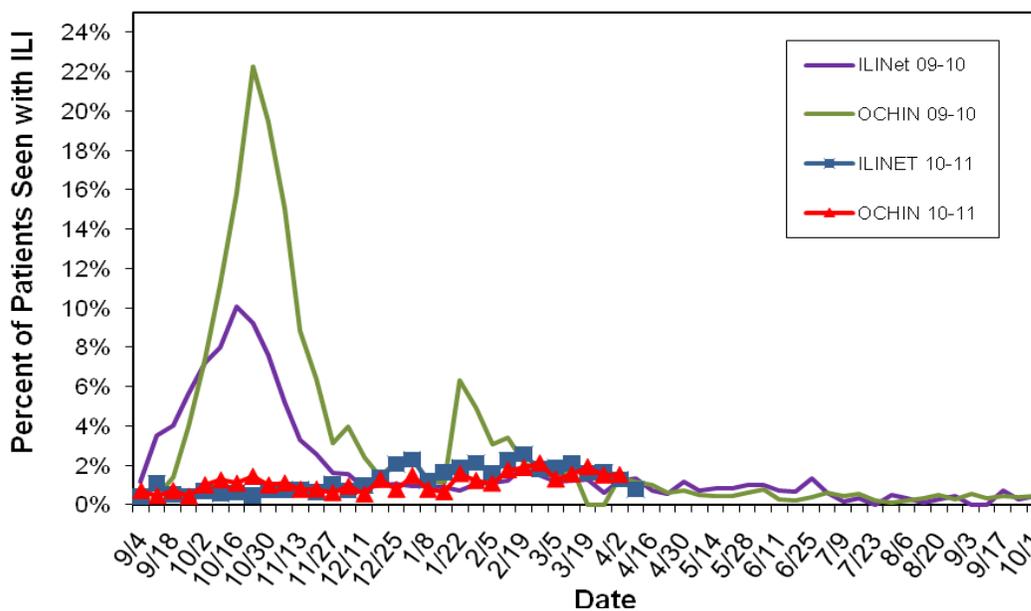
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 15APR11
Percent of Outpatients with Influenza-like Illness (ILI)
 2007-2008, 2008-2009, 2009-2010, 2010-2011



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 reports of ILI are one week behind our other syndromic surveillance system reports. The percent of OCHIN patients seen with ILI was 1.51% and 1.53% during weeks 12 and 13, respectively.

Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



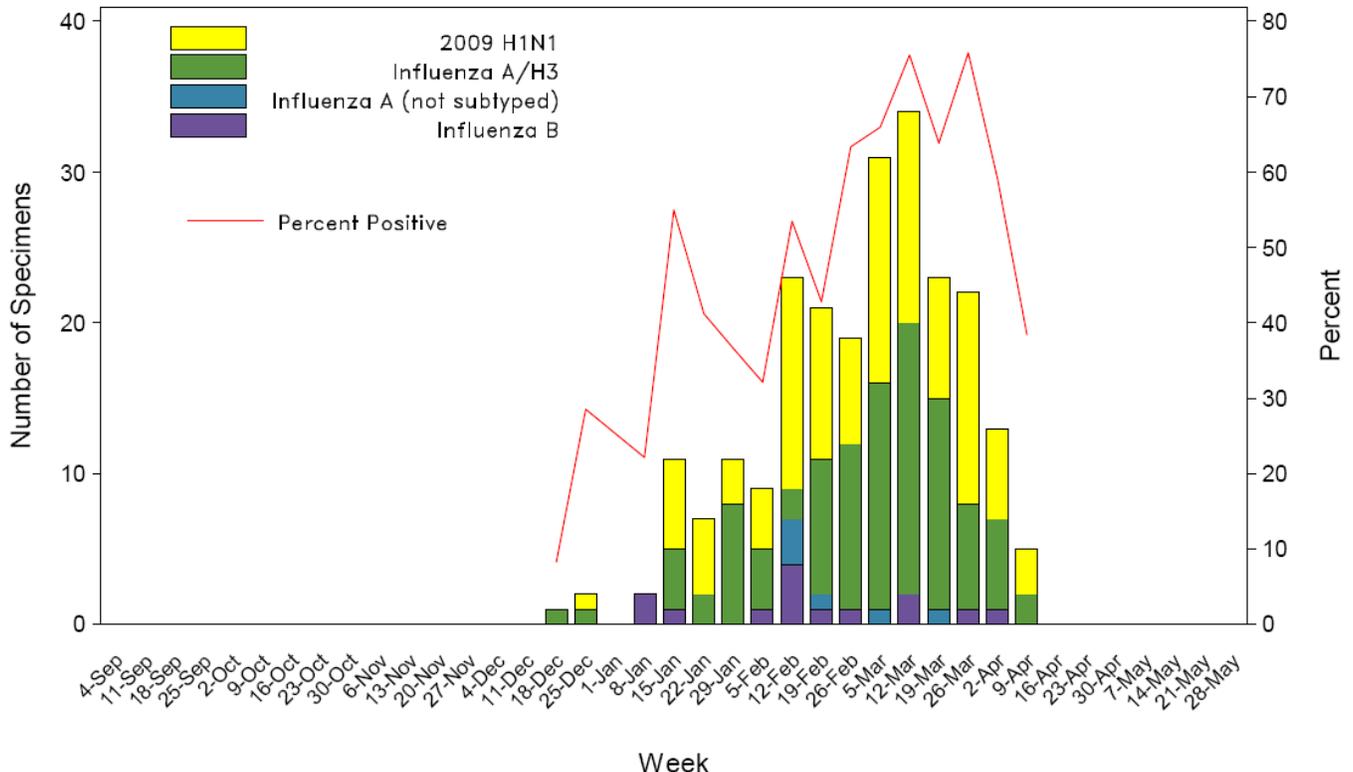
Laboratory Surveillance

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 (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 a CDC-funded study. We encourage submission of specimens 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 (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

To date, all isolates of influenza tested by the OSPHL are similar to viruses chosen for the 2010-2011 influenza vaccine.

**Number and Percent Positive for Influenza by PCR
OSPHL 2010-2011**



**Oregon State Public Health Laboratory
Specimen Type and Subtype, 2010-11**

	Cumulative since September 1st, 2010					Current Week (Apr. 2 – 9, 2011)
	ILINet N (%)	IISP N %	Hospitalized* or Died N (%)	Outbreaks N (%)	Total N (%)	Total N (%)
Influenza A						
2009 pH1N1	10 (18)	32 (10)	68 (41)	0	110 (19)	3 (23)
Seasonal A (H1)	0	0	0	0	0	0
Seasonal A (H3)	6 (11)	10 (3)	83 (50)	5 (19)	104 (18)	2 (15)
Not subtyped	0	0	6 (4)	0	6 (1)	0
Influenza B	3 (5)	8 (3)	3 (2)	0	14 (2)	0
Respiratory Syncytial Virus (RSV)	1 (2)	20 (6)	1 (1)	3 (12)	25 (4)	1 (8)
Parainfluenza type 1	0	1 (0.3)	0	0	1 (0.2)	0
Parainfluenza type 2	0	6 (2)	0	0	6 (1)	0
Parainfluenza type 3	2 (4)	13 (4)	0	0	15 (3)	0
Adenovirus	1 (2)	7 (2)	0	0	8 (1)	1 (8)
Pending	0	0	0	0	0	0
Undetected	34 (60)	220 (69)	6 (4)	18 (69)	277 (49)	6 (46)
Total Tested	56	317	167	26	566	13

*Although we make our best effort to only include hospitalized pts in our lab surveillance., submissions for hospitalized cases include some ER visits

For additional information on influenza testing guidelines for the 2010-11 season, please see:
http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/ReportingCommunicableDisease/ReportingGuidelines/Documents/test_guideline2010.pdf

Additional resources:

For more information on influenza in Oregon please see: <http://www.flu.oregon.gov/>.

Oregon influenza surveillance:

<http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/DiseaseSurveillanceData/Influenza/Pages/surveil.aspx>

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

FLU BITES

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

Published April 8, 2011



Summary

- Levels of influenza-like illness (ILI) detected by Oregon's outpatient ILI network have decreased in Week 13, and the number of reported influenza-associated hospitalizations (nine)* has decreased from Week 12.
- Circulating influenza types/subtypes identified so far this season include influenza B, influenza A/H3, and 2009 H1N1.
- RSV season began officially in Oregon the week of December 26, 2010-January 1, 2011. RSV percent positivity** was 14% for the week ending April 2, 2011; peak positivity was 39% during the week ending February 12.

* Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

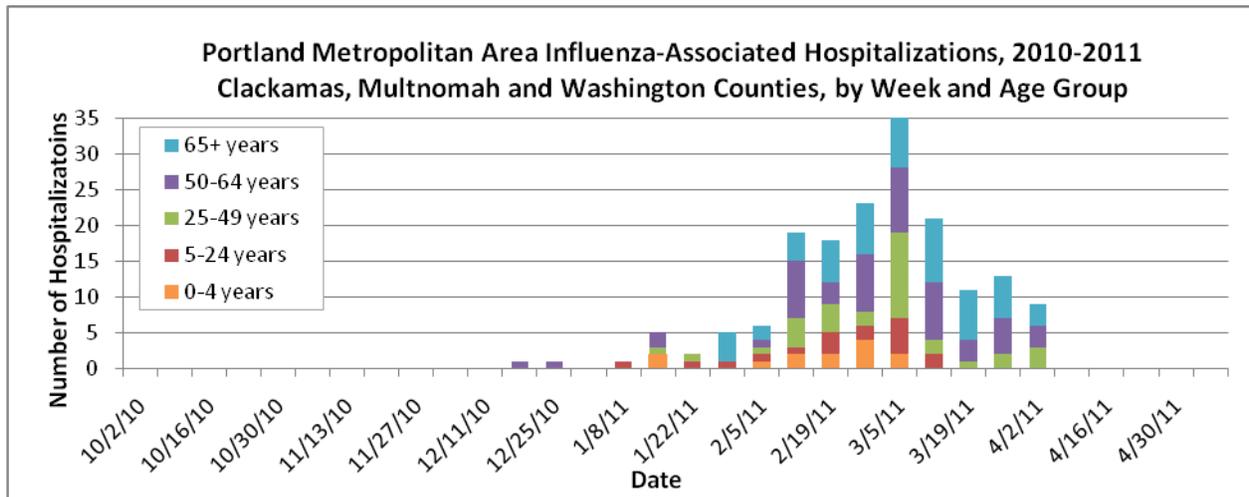
**Percent positivity based on data from Oregon's RSV Laboratory Surveillance System (number of positive RSV tests ÷ number of RSV tests performed)

Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations are reported by hospitals in the Portland Tri-County area (Clackamas, Multnomah, and Washington counties) for all ages where patients are admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, PCR, or serology.

One hundred seventy influenza-associated hospitalizations (one hundred forty-four adults and twenty-six pediatric) have been reported since we began conducting official influenza surveillance this season; all have occurred since Week 50. The most common influenza subtypes identified from these patients include A/H3 (sixty-four patients), 2009 H1N1 (forty-five patients) and influenza B (three patients).

We encourage submission of specimens to the Oregon State Public Health Laboratory for patients hospitalized with influenza-like illness in the Portland Tri-County area, even if rapid influenza tests are negative or have not been performed. To report an influenza-associated hospitalization in these three counties, please contact Matt Laidler at 971-673-0288 or email Matthew.Laidler@state.or.us.



Outpatient Influenza-like Illness (ILI)

ILINet: Oregon’s Outpatient Influenza-like Illness Surveillance Network

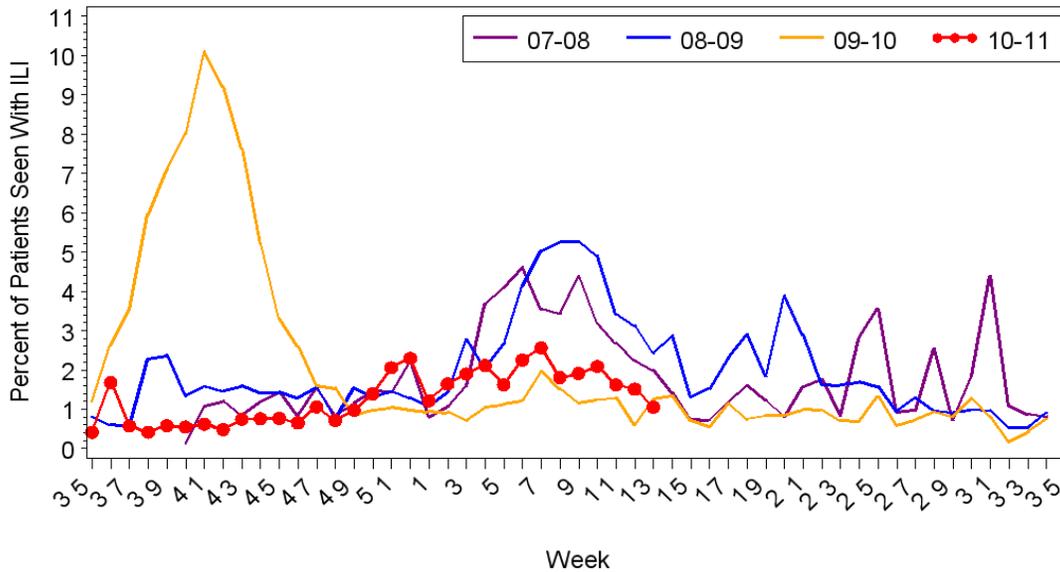
Oregon’s outpatient influenza-like illness network is comprised of 30 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness (ILI) as well as total number of patient visits for each week during the surveillance season.

ILI is defined as fever ($\geq 100^{\circ}\text{F}$) and cough or sore throat. The number of patient visits and the percent of patients with ILI for the last 4 weeks are presented below. The average ILI reported during influenza weeks (defined as percent positive for influenza at the Oregon State Public Health Laboratory $>10\%$) over the previous three seasons is 3.52% (although this figure is skewed upward by the H1N1 pandemic of 2009). The percent of outpatients seen with ILI for Week 13 was 1.05%, which is below the seasonal average and represents a decrease from previous weeks.

So far this season the greatest percentage of patients with ILI during one week was 2.56%, seen during the week ending February 19th.

	Number of Patients Visits	Percent of Patients with ILI	Number of Provider Reports
Week ending April 2nd	3224	1.05%	15
Week ending March 26th	1849	1.51%	17
Week ending March 19th	3200	1.63%	15
Week ending March 12th	3633	2.09%	19

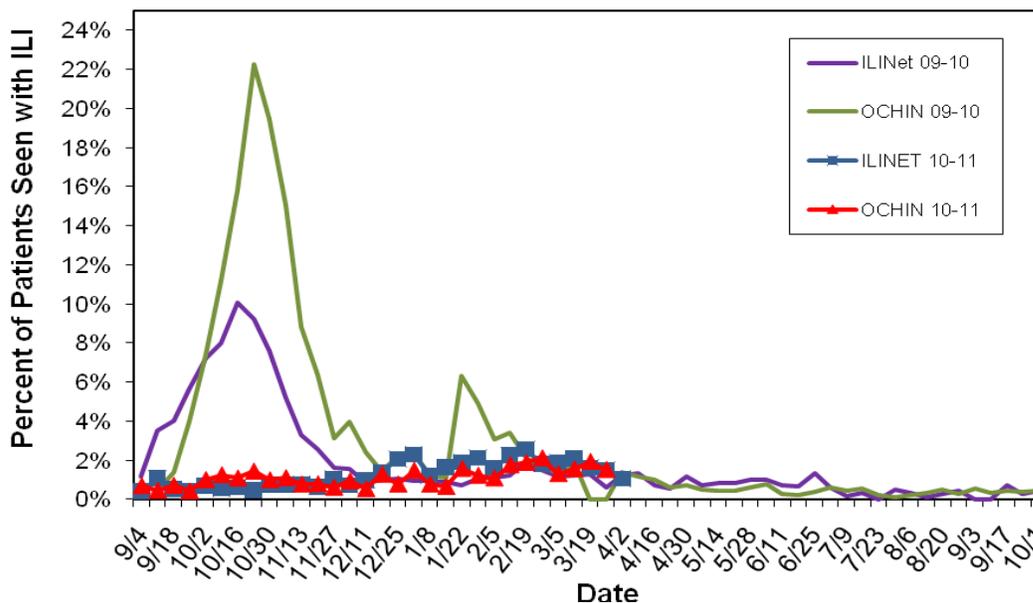
Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 08APR11
Percent of Outpatients with Influenza-like Illness (ILI)
 2007-2008, 2008-2009, 2009-2010, 2010-2011



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 reports of ILI are one week behind our other syndromic surveillance system reports. The percent of OCHIN patients seen with ILI was 1.93% and 1.52% during weeks 11 and 12, respectively.

Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



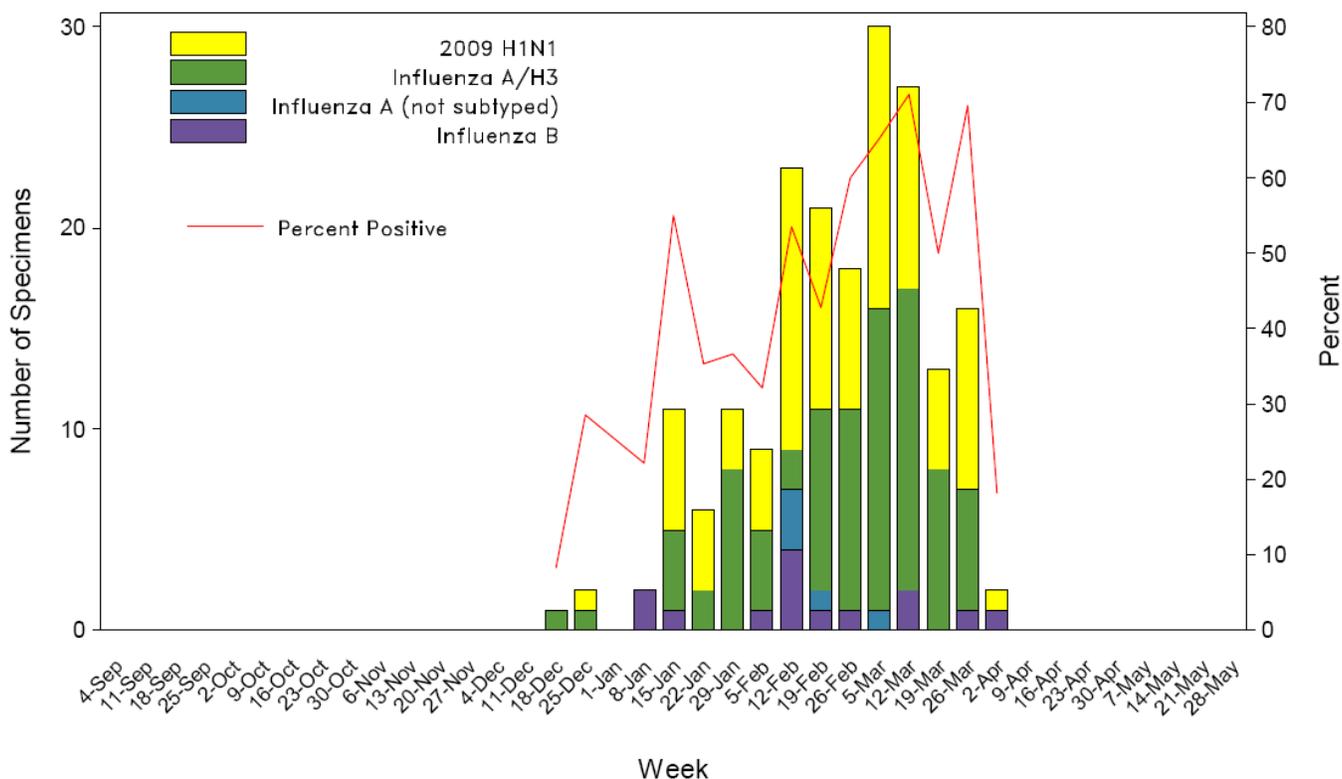
Laboratory Surveillance

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 (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 a CDC-funded study. We encourage submission of specimens 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 (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

To date, all isolates of influenza tested by the OSPHL are similar to viruses chosen for the 2010-2011 influenza vaccine.

**Number and Percent Positive for Influenza by PCR
OSPHL 2010-2011**



**Oregon State Public Health Laboratory
Specimen Type and Subtype, 2010-11**

	Cumulative since September 1st, 2010					Current Week (Mar. 27-Apr. 2, 2011)
	ILINet N (%)	IISP N %	Hospitalized* or Died N (%)	Outbreaks N (%)	Total N (%)	Total N (%)
Influenza A						
2009 pH1N1	10 (18)	31 (10)	47 (36)	0	88 (17)	1 (6)
Seasonal A (H1)	0	0	0	0	0	0
Seasonal A (H3)	6 (11)	10 (3)	64 (50)	5 (19)	85 (16)	0
Not subtyped	0	0	5 (4)	0	5 (1)	0
Influenza B	3 (5)	8 (3)	3 (2)	0	14 (3)	1 (6)
Respiratory Syncytial Virus (RSV)	1 (2)	19 (6)	1 (1)	3 (12)	24 (5)	0
Parainfluenza type 1	0	1 (0.3)	0	0	1 (0.2)	0
Parainfluenza type 2	0	6 (2)	0	0	6 (1)	0
Parainfluenza type 3	2 (4)	12 (4)	0	0	14 (3)	0
Adenovirus	1 (2)	7 (2)	0	0	8 (2)	1 (6)
Pending	0	4 (1)	7 (5)	0	11 (2)	8 (50)
Undetected	34 (60)	210 (68)	5 (4)	18 (69)	266 (51)	5 (31)
Total Tested	56	308	132	26	522	16

*Although we make our best effort to only include hospitalized pts in our lab surveillance., submissions for hospitalized cases include some ER visits

For additional information on influenza testing guidelines for the 2010-11 season, please see: http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/ReportingCommunicableDisease/ReportingGuidelines/Documents/test_guideline2010.pdf

Additional resources:

For more information on influenza in Oregon please see: <http://www.flu.oregon.gov/>.

Oregon influenza surveillance:

<http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/DiseaseSurveillanceData/Influenza/Pages/surveil.aspx>

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

FLU BITES

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

Published April 1, 2011



Summary

- Levels of influenza-like illness (ILI) detected by Oregon's outpatient ILI network have decreased in Week 12, whereas the number of influenza-associated hospitalizations (thirteen)* has increased slightly from Week 11.
- Circulating influenza types/subtypes identified so far this season include influenza B, influenza A/H3, and 2009 H1N1.
- RSV season began officially in Oregon the week of December 26, 2011-January 1, 2011. RSV percent positivity** was 21% for the week ending March 26, 2011; peak positivity was 39% during the week ending February 12.

* Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

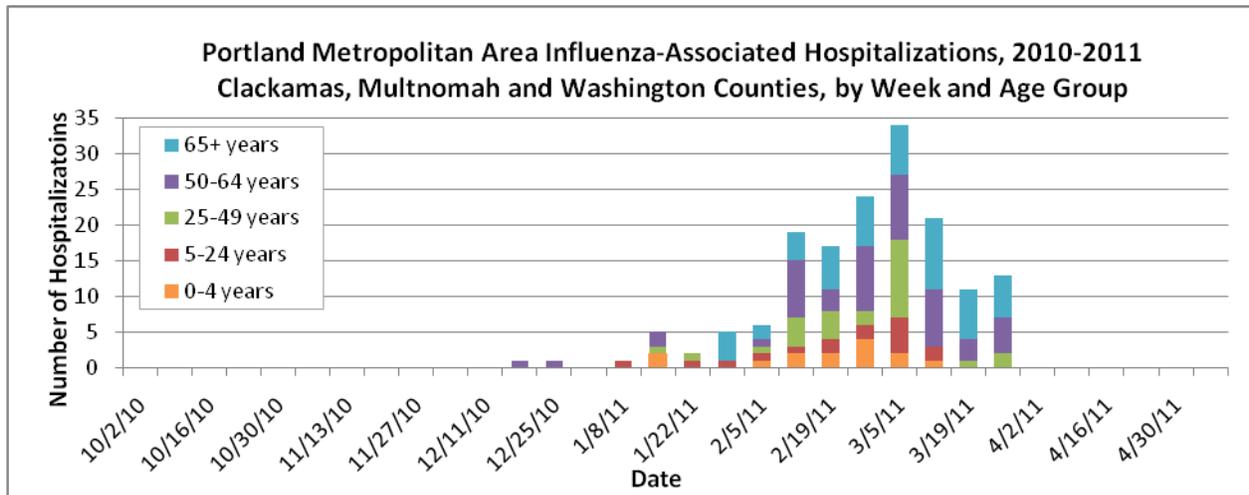
**Percent positivity based on data from Oregon's RSV Laboratory Surveillance System (number of positive RSV tests ÷ number of RSV tests performed)

Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations are reported by hospitals in the Portland Tri-County area (Clackamas, Multnomah, and Washington counties) for all ages where patients are admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, PCR, or serology.

One hundred sixty influenza-associated hospitalizations have been reported since we began conducting official influenza surveillance this season; all have occurred since Week 50. The most common influenza subtypes identified from these patients include A/H3 (sixty-three patients), 2009 H1N1 (forty-two patients) and influenza B (three patients).

We encourage submission of specimens to the Oregon State Public Health Laboratory for patients hospitalized with influenza-like illness in the Portland Tri-County area, even if rapid influenza tests are negative or have not been performed. To report an influenza-associated hospitalization in these three counties, please contact Matt Laidler at 971-673-0288 or email Matthew.Laidler@state.or.us.



Outpatient Influenza-like Illness (ILI)

ILINet: Oregon’s Outpatient Influenza-like Illness Surveillance Network

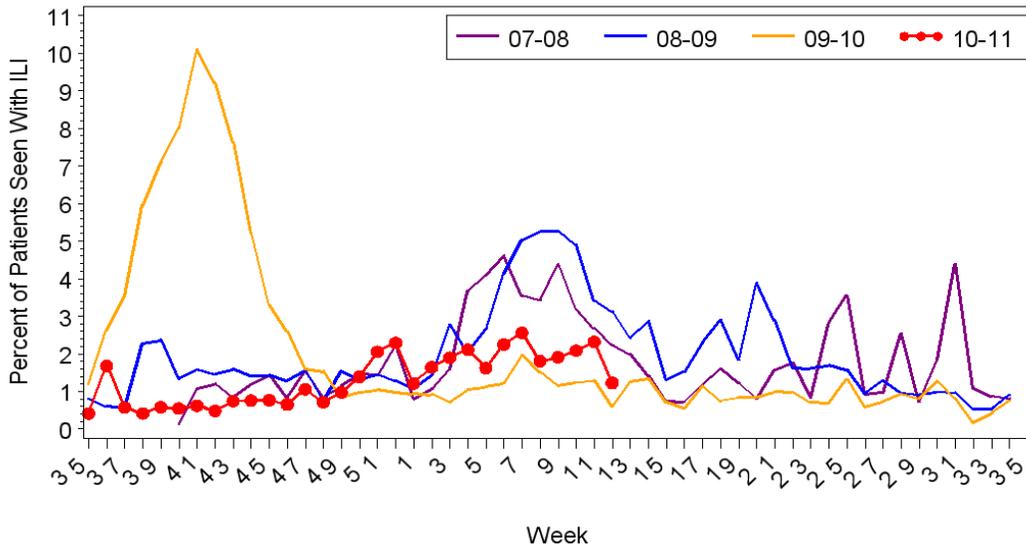
Oregon’s outpatient influenza-like illness network is comprised of 30 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness (ILI) as well as total number of patient visits for each week during the surveillance season.

ILI is defined as fever ($\geq 100^{\circ}\text{F}$) and cough or sore throat. The number of patient visits and the percent of patients with ILI for the last 4 weeks are presented below. The average ILI reported during influenza weeks (defined as percent positive for influenza at the Oregon State Public Health Laboratory $>10\%$) over the previous three seasons is 3.52% (although this figure is skewed upward by the H1N1 pandemic of 2009). The percent of outpatients seen with ILI for Week 12 was 1.23%, which is below the seasonal average and represents a decrease from previous weeks.

So far this season the greatest percentage of patients with ILI during one week was 2.56%, seen during the week ending February 19th.

	Number of Patients Visits	Percent of Patients with ILI	Number of Provider Reports
Week ending March 26th	1218	1.23%	13
Week ending March 19th	1852	2.32%	13
Week ending March 12th	3633	2.09%	19
Week ending March 5th	3557	1.91%	16

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 31MAR11
Percent of Outpatients with Influenza-like Illness (ILI)
 2007-2008, 2008-2009, 2009-2010, 2010-2011

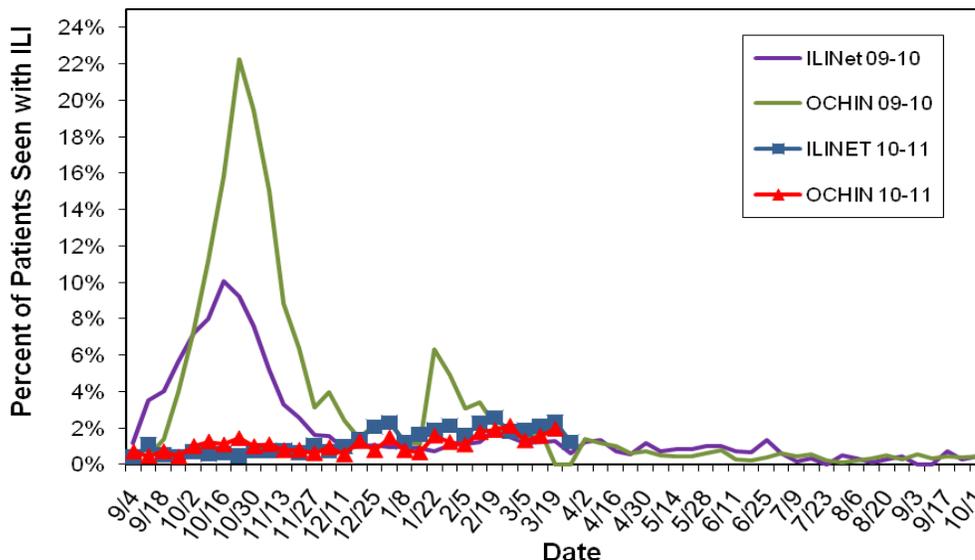


OCHIN Influenza-like Illness Surveillance

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 reports of ILI are one week behind our other syndromic surveillance system reports. The percent of OCHIN patients seen with ILI was 1.56% and 1.95% during weeks 10 and 11, respectively.

For a more detailed look at our Influenza Sentinel Provider Surveillance System data check out: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml#stats>.

Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



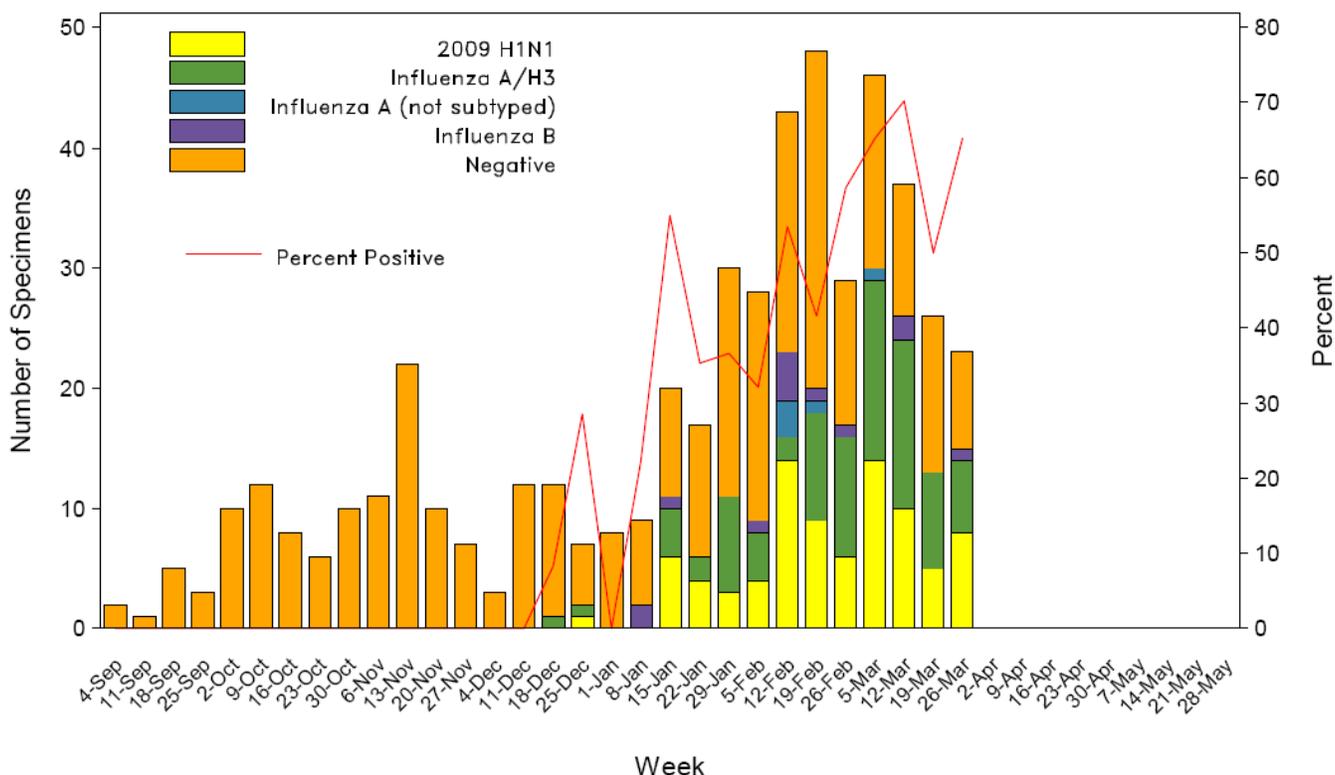
Laboratory Surveillance

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 (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 a CDC-funded study. We encourage submission of specimens 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 (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

To date, all isolates of influenza tested by the OSPHL are similar to viruses chosen for the 2010-2011 influenza vaccine.

**Number and Percent Positive for Influenza by PCR
OSPHL 2010-2011**



**Oregon State Public Health Laboratory
Specimen Type and Subtype, 2010-11**

	Cumulative since September 1st, 2010					Current Week (Mar. 20-26, 2011)
	ILINet N (%)	IISP N %	Hospitalized* or Died N (%)	Outbreaks N (%)	Total N (%)	Total N(%)
Influenza A						
2009 pH1N1	10 (18)	30 (10)	44 (35)	0	84 (17)	8 (33)
Seasonal A (H1)	0	0	0	0	0	0
Seasonal A (H3)	6 (11)	10 (3)	63 (52)	5 (19)	84 (17)	6 (25)
Not subtyped	0	0	5 (4)	0	5 (1)	0
Influenza B	3 (5)	7 (2)	3 (2)	0	13 (3)	1 (4)
Respiratory Syncytial Virus (RSV)	1 (2)	19 (6)	1 (1)	3 (12)	24 (5)	2 (8)
Parainfluenza type 1	0	1 (0.3)	0	0	1 (0.2)	0
Parainfluenza type 2	0	6 (2)	0	0	6 (1)	0
Parainfluenza type 3	2 (4)	12 (4)	0	0	14 (3)	1 (4)
Adenovirus	1 (2)	6 (2)	0	0	7 (1)	0
Pending	0	1 (0.3)	3 (2)	0	4 (1)	1 (4)
Undetected	32 (58)	206 (69)	5 (4)	18 (69)	261 (52)	5 (21)
Total Tested	55	298	124	26	503	24

*Although we make our best effort to only include hospitalized pts in our lab surveillance., submissions for hospitalized cases include some ER visits

For additional information on influenza testing guidelines for the 2010-11 season, please see: http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/ReportingCommunicableDisease/ReportingGuidelines/Documents/test_guideline2010.pdf

Additional resources:

For more information on influenza in Oregon please see: <http://www.flu.oregon.gov/>.

Oregon influenza surveillance:

<http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/DiseaseSurveillanceData/Influenza/Pages/surveil.aspx>

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

FLU BITES

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

Published March 25, 2011



Summary

- The number of influenza-associated hospitalizations (ten)* has decreased from Week 10, whereas levels of influenza-like illness (ILI) detected by Oregon's outpatient ILI network continue to fluctuate, having increased in Week 11.
- Circulating influenza types/subtypes identified so far this season include influenza B, influenza A/H3, and 2009 H1N1.
- Three influenza-related deaths have been reported in Oregon so far this season; two deaths occurred in adults during the week of January 16-22, 2011 (Week 3) and the third occurred in a pediatric patient during Week 9. Influenza subtypes identified from these patients include 2009 H1N1 and influenza A/H3.
- RSV season began officially in Oregon the week of December 26, 2011-January 1, 2011. RSV percent positivity** was 20% for the week ending March 19, 2011; peak positivity was 39% during the week ending February 12.

* Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

**Percent positivity based on data from Oregon's RSV Laboratory Surveillance System (number of positive RSV tests ÷ number of RSV tests performed)

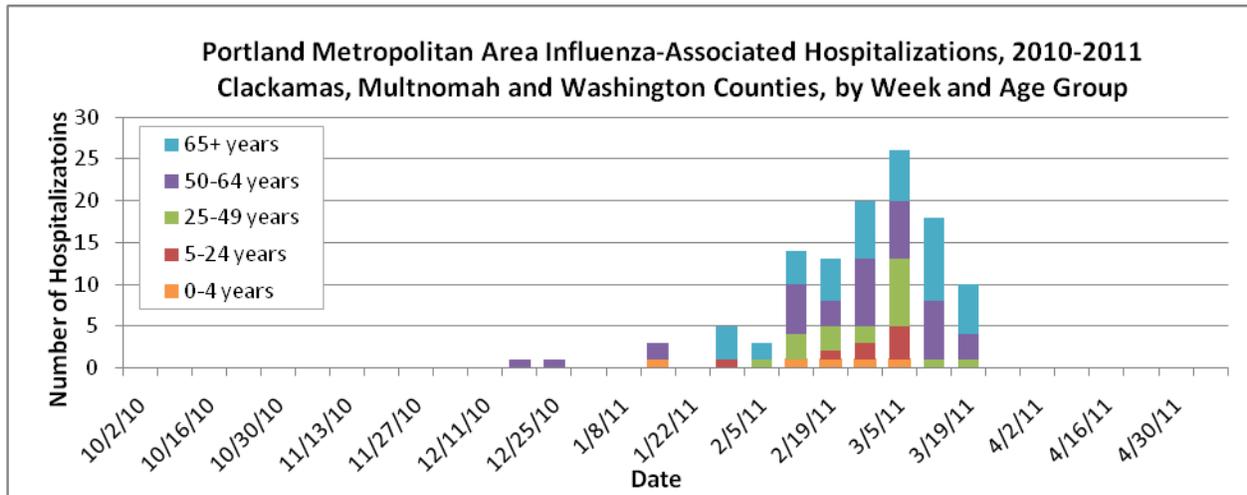
Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations are reported by hospitals in the Portland Tri-County area (Clackamas, Multnomah, and Washington counties) for all ages where patients are admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, PCR, or serology.

One hundred fifteen influenza-associated hospitalizations have been reported since we began conducting official influenza surveillance this season; all have occurred since Week 50. The most common influenza subtypes identified from these patients include A/H3 (fifty-one patients), 2009 H1N1 (thirty-three patients) and influenza B (two patients). Specimens from three patients tested negative at OSPHL, and subtyping is pending for the remaining specimens.

We encourage submission of specimens to the Oregon State Public Health Laboratory for patients hospitalized with influenza-like illness in the Portland Tri-County area, even if rapid influenza tests are negative or have not been performed. To report an influenza-associated

hospitalization in these three counties, please contact Matt Laidler at 971-673-0288 or email Matthew.Laidler@state.or.us.



Outpatient Influenza-like Illness (ILI)

ILINet: Oregon’s Outpatient Influenza-like Illness Surveillance Network

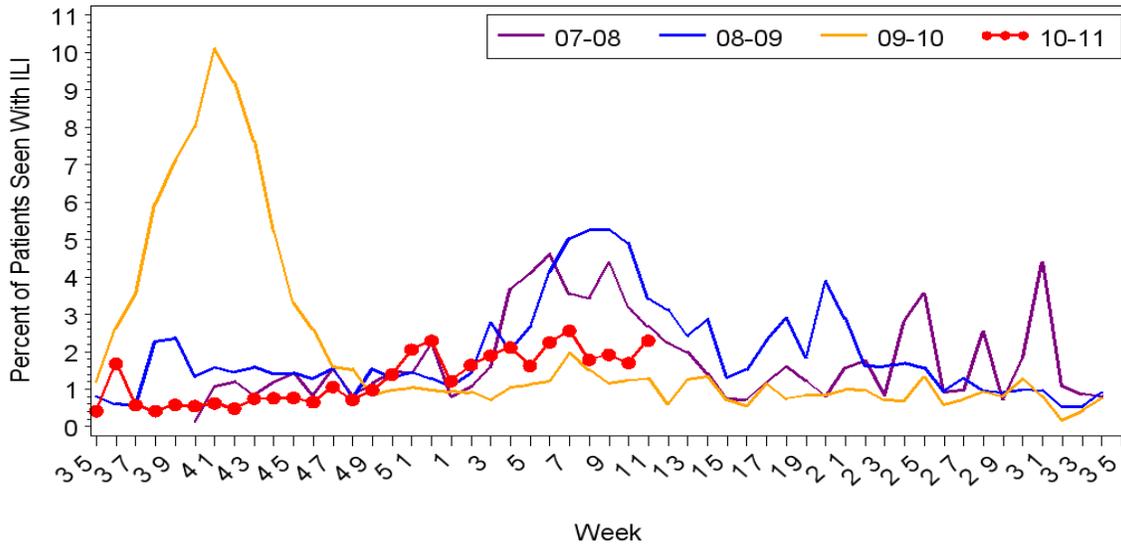
Oregon’s outpatient influenza-like illness network is comprised of 30 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness (ILI) as well as total number of patient visits for each week during the surveillance season.

ILI is defined as fever ($\geq 100^{\circ}\text{F}$) and cough or sore throat. The number of patient visits and the percent of patients with ILI for the last 4 weeks are presented below. The average ILI reported during influenza weeks (defined as percent positive for influenza at the Oregon State Public Health Laboratory $>10\%$) over the previous three seasons is 3.52% (although this figure is skewed upward by the H1N1 pandemic of 2009). The percent of outpatients seen with ILI for Week 10 was 2.30%, which is below the seasonal average.

So far this season the greatest percentage of patients with ILI during one week was 2.56%, seen during the week ending February 19th.

	Number of Patients Visits	Percent of Patients with ILI	Number of Provider Reports
Week ending March 19th	1304	2.30%	10
Week ending March 12th	2998	1.70%	15
Week ending March 5th	3484	1.92%	15
Week ending February 26th	3181	1.79%	16

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 24MAR11
Percent of Outpatients with Influenza-like Illness (ILI)
 2007-2008, 2008-2009, 2009-2010, 2010-2011

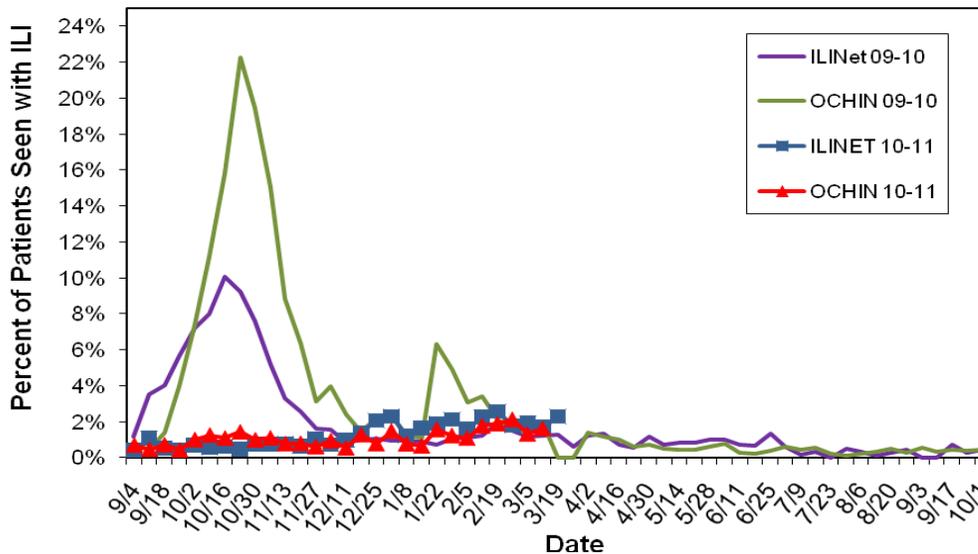


OCHIN Influenza-like Illness Surveillance

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 reports of ILI are one week behind our other syndromic surveillance system reports. The percent of OCHIN patients seen with ILI was 1.32% and 1.62% during weeks 9 and 10, respectively.

For a more detailed look at our Influenza Sentinel Provider Surveillance System data check out: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml#stats>.

Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



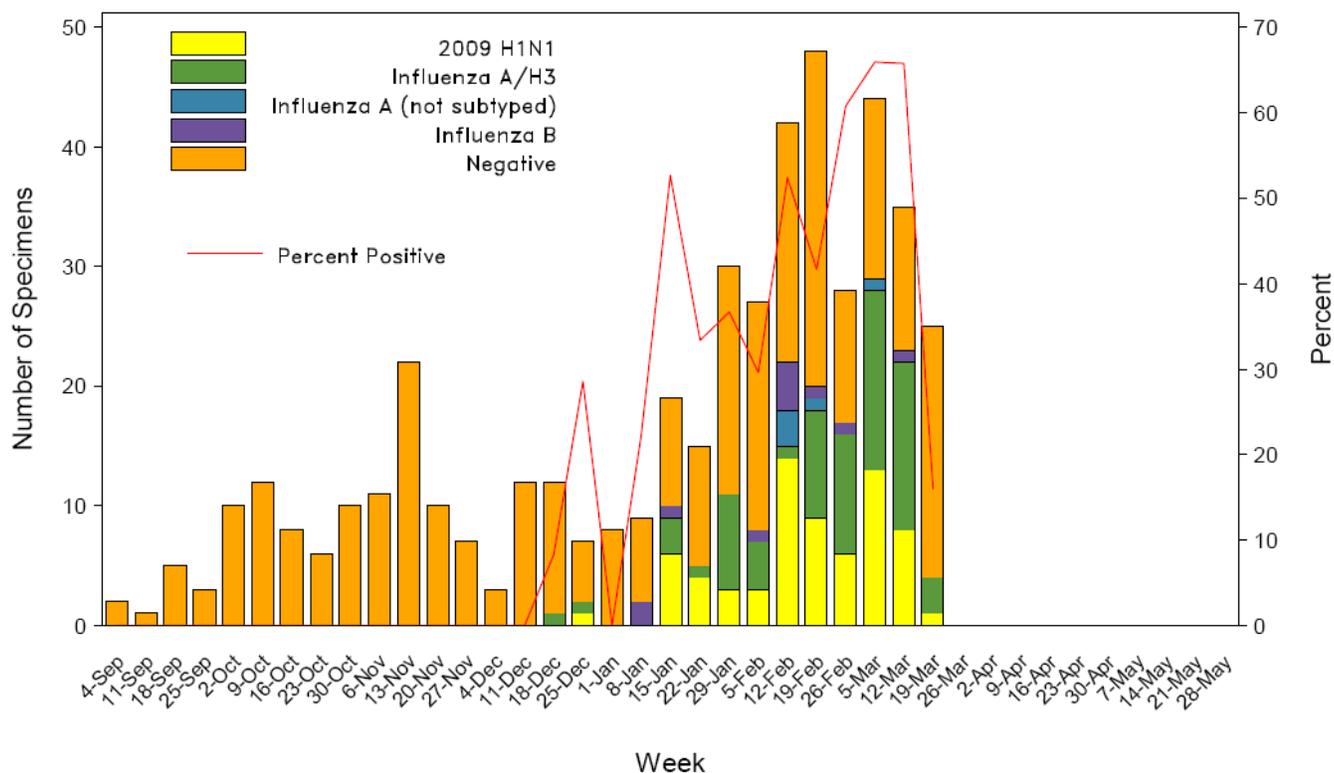
Laboratory Surveillance

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 (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 a CDC-funded study. We encourage submission of specimens 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 (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

To date, all isolates of influenza tested by the OSPHL are similar to viruses chosen for the 2010-2011 influenza vaccine.

**Number and Percent Positive for Influenza by PCR
OSPHL 2010-2011**



**Oregon State Public Health Laboratory
Specimen Type and Subtype, 2010-11**

	Cumulative since September 1st, 2010					Current Week (Mar. 13-19, 2011)
	ILINet N (%)	IISP N %	Hospitalized* or Died N (%)	Outbreaks N (%)	Total N (%)	Total N(%)
Influenza A						
2009 pH1N1	7 (13)	26 (9)	35 (34)	0	68 (15)	1 (4)
Seasonal A (H1)	0	0	0	0	0	0
Seasonal A (H3)	5 (10)	9 (3)	51 (50)	5 (19)	70 (15)	3 (12)
Not subtyped	0	0	5 (5)	0	5 (1)	0
Influenza B	3 (6)	6 (2)	2 (2)	0	11 (2)	0
Respiratory Syncytial Virus (RSV)	1 (2)	15 (5)	0	3 (12)	19 (4)	0
Parainfluenza type 1	0	1 (0.4)	0	0	1 (0.2)	0
Parainfluenza type 2	0	6 (2)	0	0	6 (1)	0
Parainfluenza type 3	2 (4)	11 (4)	0	0	13 (3)	0
Adenovirus	1 (2)	6 (2)	0	0	7 (1)	0
Pending	2 (4)	15 (5)	7 (7)	0	24 (5)	21 (81)
Undetected	32 (61)	192 (67)	3 (3)	18 (69)	245 (52)	1 (4)
Total Tested	53	287	103	26	469	26

*Although we make our best effort to only include hospitalized pts in our lab surveillance., submissions for hospitalized cases include some ER visits

For additional information on influenza testing guidelines for the 2010-11 season, please see:
http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/ReportingCommunicableDisease/ReportingGuidelines/Documents/test_guideline2010.pdf

Additional resources:

For more information on influenza in Oregon please see: <http://www.flu.oregon.gov/>.

Oregon influenza surveillance:

<http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/DiseaseSurveillanceData/Influenza/Pages/surveil.aspx>

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

FLU BITES

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

Published March 17, 2011



Summary

- Levels of influenza-like illness (ILI) detected by Oregon's outpatient ILI network have decreased in Week 10, and the number of influenza-associated hospitalizations (nineteen)* has decreased from Week 9.
- Circulating types/subtypes identified so far this season include influenza B, influenza A/H3, and 2009 H1N1. Only influenza A viruses have been identified by OSPHL in the last two weeks.
- There have been three influenza-related deaths reported in Oregon so far this season; two deaths occurred in adults during the week of January 16-22, 2011 (Week 3) and the third occurred in a pediatric patient during Week 9. Influenza subtypes identified from these patients include 2009 H1N1 and influenza A/H3.
- RSV season began officially in Oregon the week of December 26, 2010-January 1, 2011. RSV percent positivity** was 23% for the week ending March 12, 2011; peak positivity was 39% during the week ending February 12.

* Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

**Percent positivity based on data from Oregon's RSV Laboratory Surveillance System (number of positive RSV tests ÷ number of RSV tests performed)

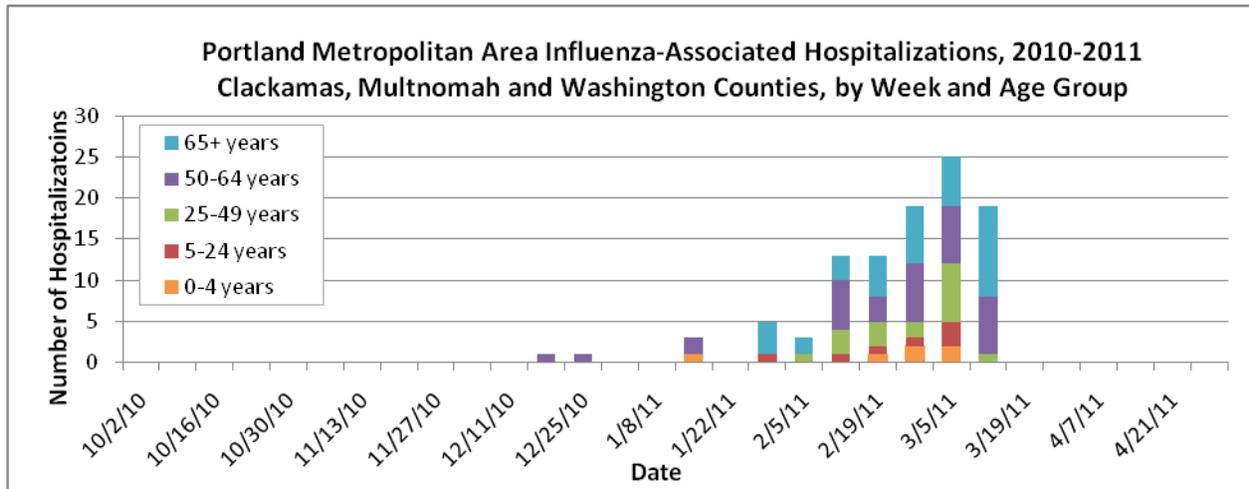
Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations are reported by hospitals in the Portland Tri-County area (Clackamas, Multnomah, and Washington counties) for all ages where patients are admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, PCR, or serology.

One hundred two influenza-associated hospitalizations have been reported since we began conducting official influenza surveillance this season; all have occurred since Week 50. The most common influenza subtypes identified from these patients include A/H3 (forty-three patients), 2009 H1N1 (twenty-seven patients) and influenza B (two patients). Specimens from three patients tested negative at OSPHL, and subtyping is pending for the remaining specimens.

We encourage submission of specimens to the Oregon State Public Health Laboratory for patients hospitalized with influenza-like illness in the Portland Tri-County area, even if rapid influenza tests are negative or have not been performed. To report an influenza-associated

hospitalization in these three counties, please contact Matt Laidler at 971-673-0288 or email Matthew.Laidler@state.or.us.



Outpatient Influenza-like Illness (ILI)

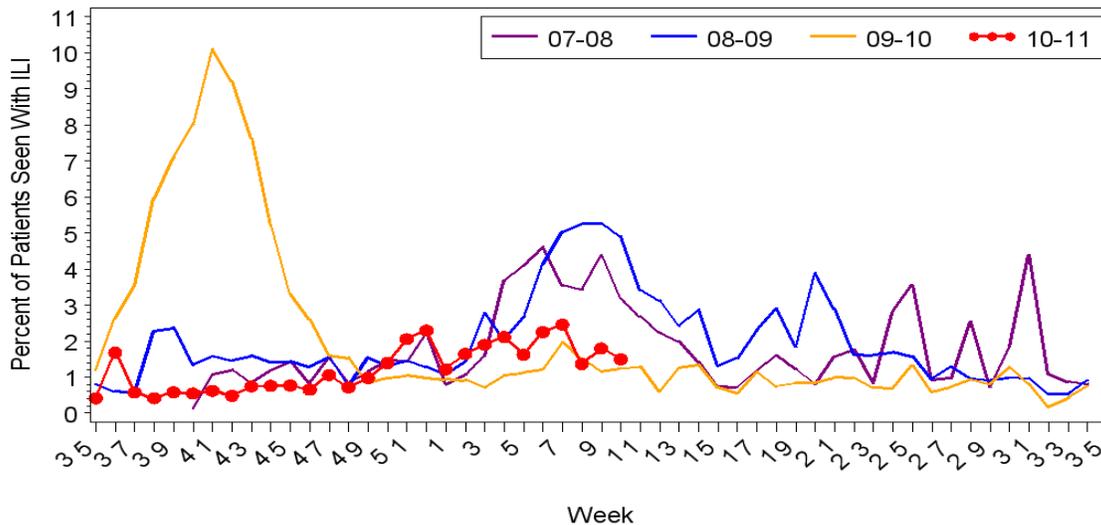
ILINet: Oregon’s Outpatient Influenza-like Illness Surveillance Network

Oregon’s outpatient influenza-like illness network is comprised of 30 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness (ILI) as well as total number of patient visits for each week during the surveillance season.

ILI is defined as fever ($\geq 100^{\circ}\text{F}$) and cough or sore throat. The number of patient visits and the percent of patients with ILI for the last 4 weeks are presented below. The average ILI reported during influenza weeks (defined as percent positive for influenza at the Oregon State Public Health Laboratory $>10\%$) over the previous three seasons is 3.52% (although this figure is skewed upward by the H1N1 pandemic of 2009). The percent of outpatients seen with ILI for Week 10 was 1.50%, which is below the seasonal average and represents a decrease from previous weeks.

	Number of Patients Visits	Percent of Patients with ILI	Number of Provider Reports
Week ending March 12th	2339	1.50%	12
Week ending March 5th	3280	1.80%	13
Week ending February 26th	3142	1.37%	15
Week ending February 19th	3617	2.46%	18

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 17MAR11
Percent of Outpatients with Influenza-like Illness (ILI)
 2007-2008, 2008-2009, 2009-2010, 2010-2011

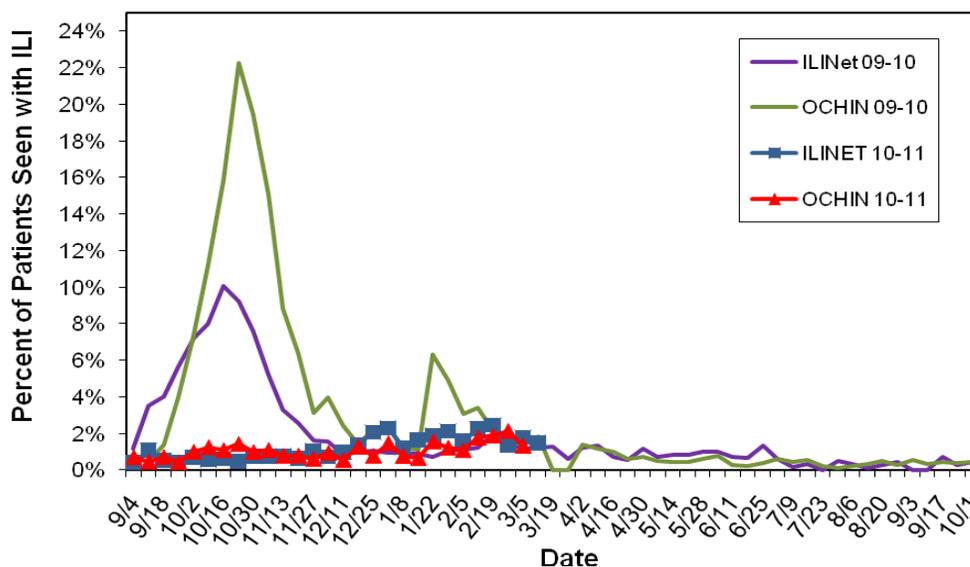


OCHIN Influenza-like Illness Surveillance

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 reports of ILI are one week behind our other syndromic surveillance system reports. The percent of OCHIN patients seen with ILI was 2.15% and 1.34% during weeks 8 and 9, respectively.

For a more detailed look at our Influenza Sentinel Provider Surveillance System data check out: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml#stats>.

Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



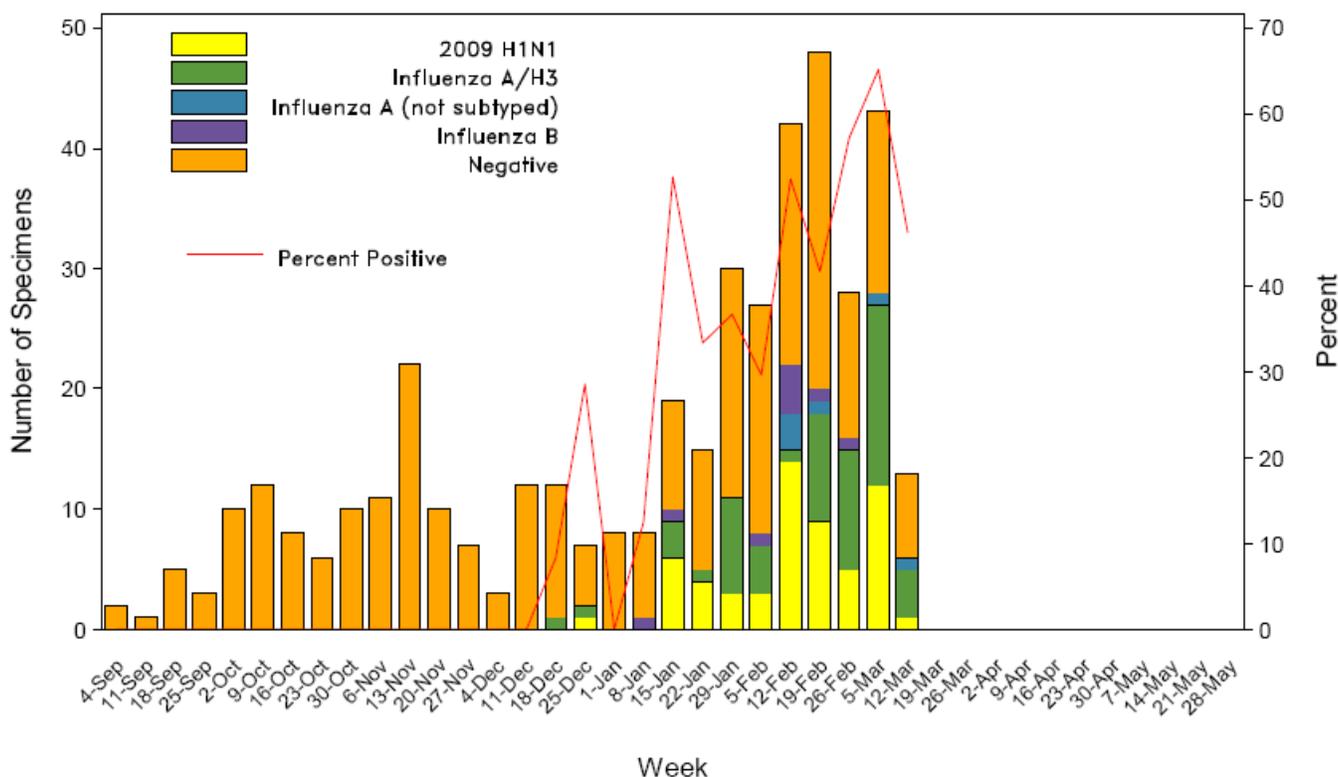
Laboratory Surveillance

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 (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 a CDC-funded study. We encourage submission of specimens 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 (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

To date, all isolates of influenza tested by the OSPHL are similar to viruses chosen for the 2010-2011 influenza vaccine.

**Number and Percent Positive for Influenza by PCR
OSPHL 2010-2011**



**Oregon State Public Health Laboratory
Specimen Type and Subtype, 2010-11**

	Cumulative since September 1st, 2010					Current Week (Mar. 6-12, 2011)
	ILINet N (%)	IISP N %	Hospitalized* or Died N (%)	Outbreaks N (%)	Total N (%)	Total N(%)
Influenza A						
2009 pH1N1	6 (12)	23 (8)	29 (30)	0	58 (13)	1 (3)
Seasonal A (H1)	0	0	0	0	0	0
Seasonal A (H3)	5 (10)	8 (3)	43 (47)	1 (5)	57 (13)	4 (13)
Not subtyped	0	0	5 (6)	0	6 (1)	1 (3)
Influenza B	3 (6)	5 (2)	2 (3)	0	10 (2)	0
Respiratory Syncytial Virus (RSV)	1 (2)	14 (5)	0	3 (14)	18 (4)	0
Parainfluenza type 1	0	1 (0.4)	0	0	1 (0.2)	0
Parainfluenza type 2	0	6 (2)	0	0	6 (1)	0
Parainfluenza type 3	2 (4)	11 (4)	0	0	13 (3)	0
Adenovirus	1 (2)	6 (2)	0	0	7 (2)	0
Pending	1 (2)	10 (4)	11 (12)	0	22 (5)	19 (61)
Undetected	31 (61)	188 (69)	3 (3)	18 (82)	240 (55)	6 (19)
Total Tested	51	272	92	22	439	31

*Although we make our best effort to only include hospitalized pts in our lab surveillance., submissions for hospitalized cases include some ER visits

For additional information on influenza testing guidelines for the 2010-11 season, please see: http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/ReportingCommunicableDisease/ReportingGuidelines/Documents/test_guideline2010.pdf

Additional resources:

For more information on influenza in Oregon please see: <http://www.flu.oregon.gov/>.

Oregon influenza surveillance:

<http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/DiseaseSurveillanceData/Influenza/Pages/surveil.aspx>

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

FLU BITES

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

Published March 11, 2011



Summary

- Levels of influenza-like illness (ILI) detected by Oregon's outpatient ILI network have increased in Week 9, whereas the number of influenza-associated hospitalizations (thirteen)* has decreased from Week 8.
- Circulating types/subtypes identified so far this season include influenza B, influenza A/H3, and 2009 H1N1.
- There have been three influenza-related deaths reported in Oregon so far this season; two deaths occurred in adults during the week of January 16-22, 2011 (Week 3) and the third occurred in a pediatric patient in Week 9. PCR results from these patients include 2009 H1N1 and influenza A/H3.
- RSV season began officially in Oregon the week of December 26, 2010-January 1, 2011. RSV percent positivity** was 28% for the week ending March 5, 2011; peak positivity was 39% during the week ending February 12.

* Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

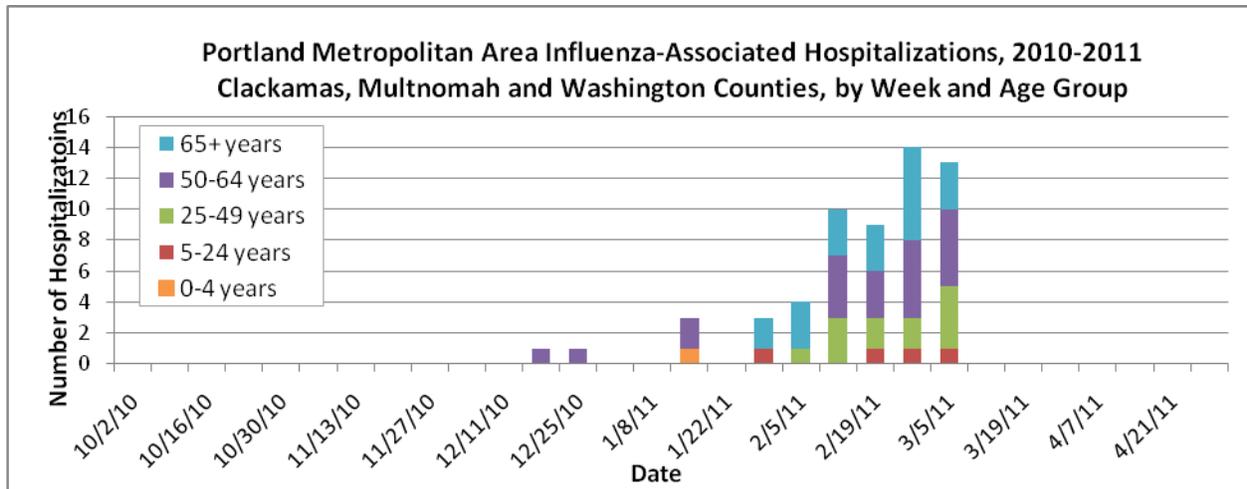
**Percent positivity based on data from Oregon's RSV Laboratory Surveillance System (number of positive RSV tests ÷ number of RSV tests performed)

Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations are reported by hospitals in the Portland Tri-County area (Clackamas, Multnomah, and Washington counties) for all ages where patients are admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, PCR, or serology.

Fifty-eight influenza-associated hospitalizations have been reported since we began conducting official influenza surveillance this season; all have occurred since Week 50. The most common influenza subtypes identified from these patients include A/H3 (twenty-five patients), 2009 H1N1 (sixteen patients) and influenza B (two patients). Specimens from three patients tested negative at OSPHL, and subtyping is pending for the remaining specimens.

We encourage submission of specimens to the Oregon State Public Health Laboratory for patients hospitalized with influenza-like illness in the Portland Tri-County area, even if rapid influenza tests are negative or have not been performed. To report an influenza-associated hospitalization in these three counties, please contact Matt Laidler at 971-673-0288 or email Matthew.Laidler@state.or.us.



Outpatient Influenza-like Illness (ILI)

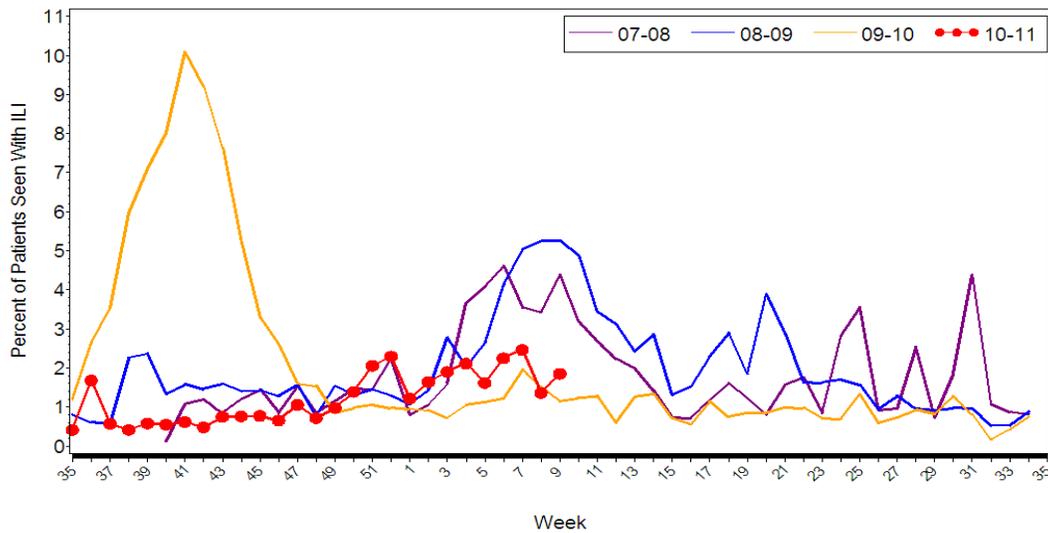
ILINet: Oregon’s Outpatient Influenza-like Illness Surveillance Network

Oregon’s outpatient influenza-like illness network is comprised of 30 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness (ILI) as well as total number of patient visits for each week during the surveillance season.

ILI is defined as fever ($\geq 100^{\circ}\text{F}$) and cough or sore throat. The number of patient visits and the percent of patients with ILI for the last 4 weeks are presented below. The average ILI reported during influenza weeks (defined as percent positive for influenza at the Oregon State Public Health Laboratory $> 10\%$) over the previous three seasons is 3.52% (although this figure is skewed upward by the H1N1 pandemic of 2009). The percent of outpatients seen with ILI for Week 9 was 1.86%, which is below the seasonal average.

	Number of Patients Visits	Percent of Patients with ILI	Number of Provider Reports
Week ending March 5th	3126	1.86%	11
Week ending February 26th	3142	1.37%	15
Week ending February 19th	3617	2.46%	18
Week ending February 12th	3955	2.25%	21

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet) 11MAR11
 Percent of Outpatients with Influenza-like Illness (ILI)
 2007-2008, 2008-2009, 2009-2010, 2010-2011

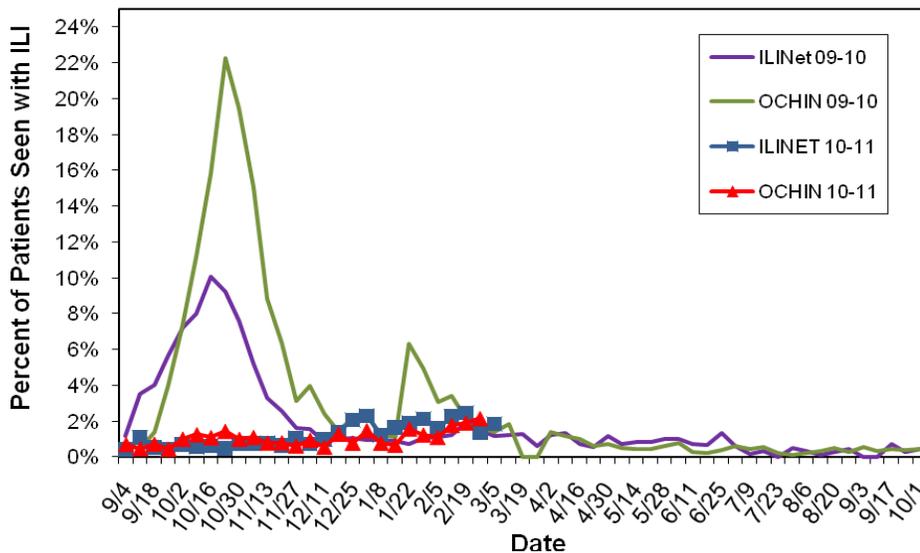


OCHIN Influenza-like Illness Surveillance

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 reports of ILI are one week behind our other syndromic surveillance system reports. The percent of OCHIN patients seen with ILI was 1.92% and 2.16% during weeks 7 and 8, respectively.

For a more detailed look at our Influenza Sentinel Provider Surveillance System data check out: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml#stats>.

Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



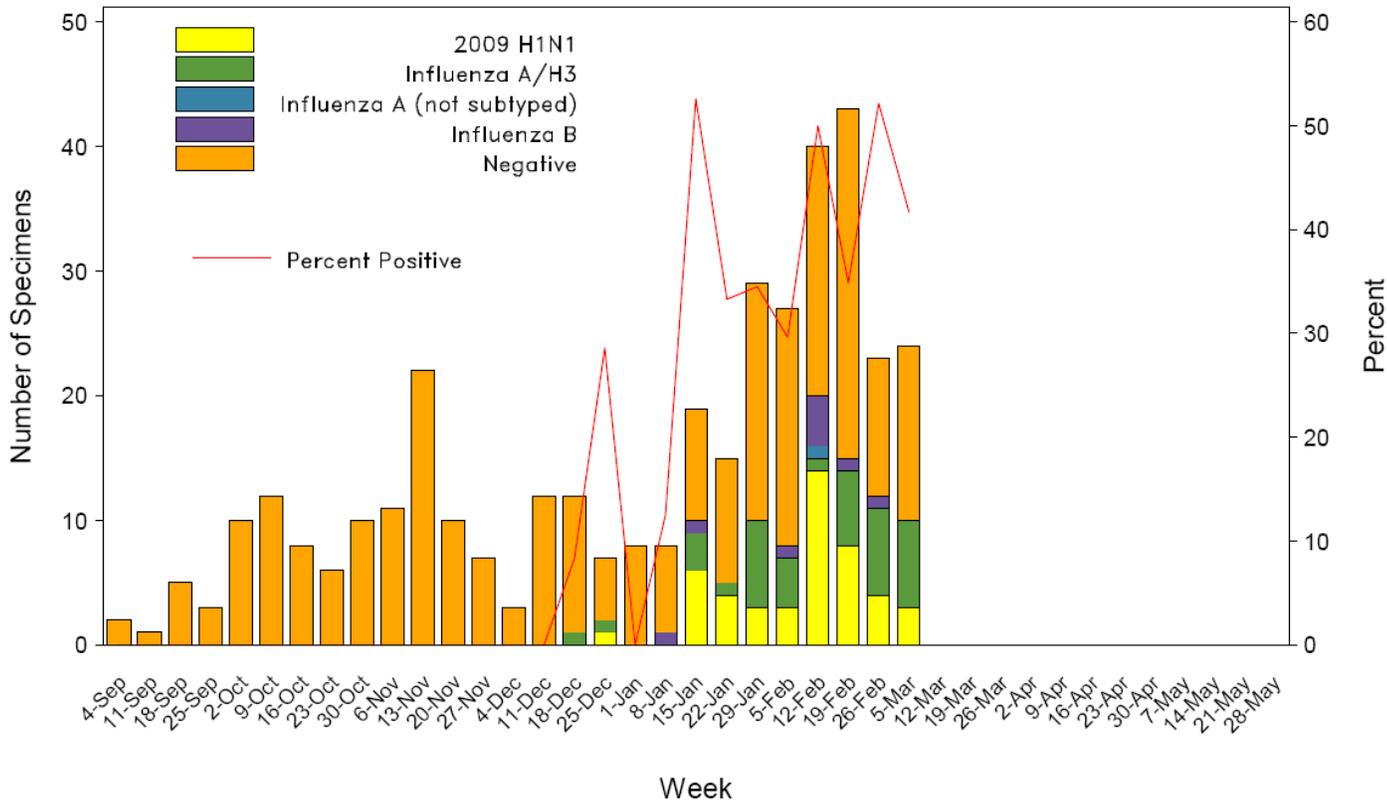
Laboratory Surveillance

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 (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 a CDC-funded study. We encourage submission of specimens 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 (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

To date, all isolates of influenza tested by the OSPHL are similar to viruses chosen for the 2010-2011 influenza vaccine.

**Number and Percent Positive for Influenza by PCR
OSPHL 2010-2011**



**Oregon State Public Health Laboratory
Specimen Type and Subtype, 2010-11**

	Cumulative since September 1st, 2010					Current Week (Feb. 27-Mar.5, 2011)
	ILINet N (%)	IISP N %	Hospitalized* or Died N (%)	Outbreaks N (%)	Total N (%)	Total N(%)
Influenza A						
2009 pH1N1	6 (13)	22 (9)	18 (30)	0	48 (12)	3 (9)
Seasonal A (H1)	0	0	0	0	0	0
Seasonal A (H3)	4 (8)	8 (3)	25 (42)	1 (5)	38 (10)	7 (22)
Not subtyped	0	0	4 (7)	0	4 (1)	0
Influenza B	4 (8)	5 (2)	2 (3)	0	9 (2)	0
Respiratory Syncytial Virus (RSV)	1 (2)	15 (5)	0	3 (14)	18 (5)	3 (9)
Parainfluenza type 1	0	1 (0.4)	0	0	1 (0.3)	0
Parainfluenza type 2	0	6 (2)	0	0	6 (2)	0
Parainfluenza type 3	2 (4)	11 (4)	0	0	12 (3)	0
Adenovirus	1 (2)	5 (2)	0	0	6 (2)	1 (3)
Pending	0	5 (2)	8 (13)	0	12 (3)	11 (33)
Undetected	30 (63)	180 (70)	3 (5)	18 (82)	231 (60)	7 (22)
Total Tested	48	257	60	22	387	32

*Although we make our best effort to only include hosp pts in our lab surv., submissions for hosp cases include some ER visits

For additional information on influenza testing guidelines for the 2010-11 season, please see: http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/ReportingCommunicableDisease/ReportingGuidelines/Documents/test_guideline2010.pdf

Additional resources:

For more information on influenza in Oregon please see: <http://www.flu.oregon.gov/>.

Oregon influenza surveillance:

<http://public.health.oregon.gov/DiseasesConditions/CommunicableDisease/DiseaseSurveillanceData/Influenza/Pages/surveil.aspx>

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

FLU BITES

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

Published March 4, 2011



Summary

- Levels of influenza-like illness (ILI) detected by Oregon's outpatient ILI network have decreased in Week 8, whereas the number of influenza-associated hospitalizations (twelve)* has increased from previous weeks.
- Circulating types/subtypes identified so far this season include influenza B, influenza A/H3, and 2009 H1N1, all of which have been identified by the state laboratory in the past week.
- There have been three influenza-related deaths reported in Oregon so far this season; two deaths occurred in adults during the week of January 16-22, 2011 (Week 3) and the third occurred in a pediatric patient at the beginning of Week 9. PCR results from these patients include 2009 H1N1 and influenza A/H3.
- RSV season began officially in Oregon the week of December 26, 2011-January 1, 2011. RSV percent positivity** was 27% for the week ending February 26, 2011, which represents a decrease from previous weeks.

* Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

**Percent positivity based on data from Oregon's RSV Laboratory Surveillance System (number of positive RSV tests ÷ number of RSV tests performed)

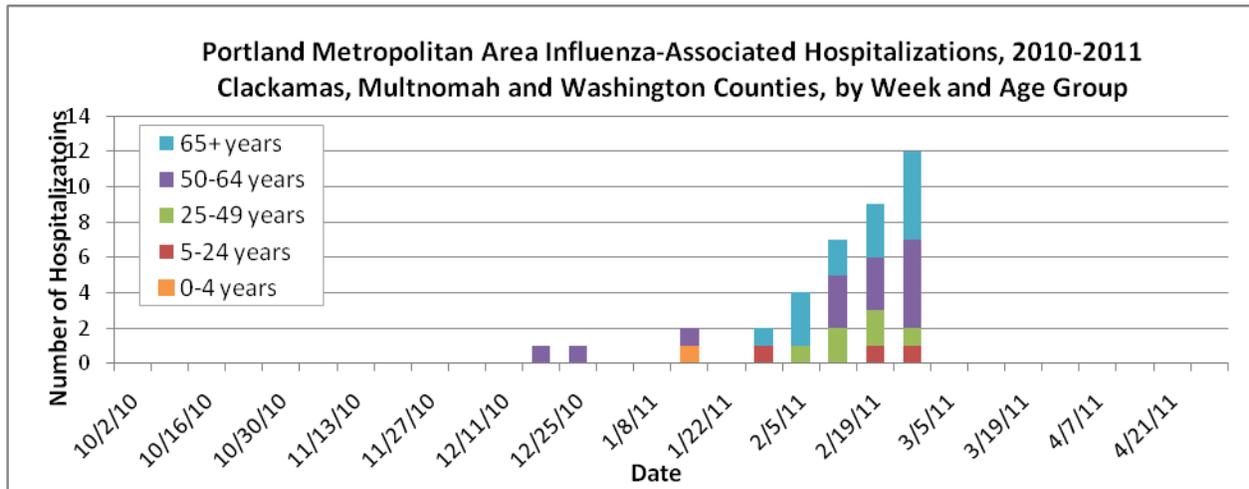
Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations are reported by hospitals in the Portland Tri-County area (Clackamas, Multnomah, and Washington counties) for all ages where patients are admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, PCR, or serology.

Thirty-five influenza-associated hospitalizations have been reported since we began conducting official influenza surveillance this season; all have occurred since Week 50. Influenza subtypes identified from these patients include A/H3 (seventeen patients), 2009 H1N1 (eleven patients) and influenza B (one patient); results from six recent patients are pending.

We encourage submission of specimens to the Oregon State Public Health Laboratory for patients hospitalized with influenza-like illness in the Portland Tri-County area, even if rapid influenza tests are negative or have not been performed. To report an influenza-associated

hospitalization in these three counties, please contact Matt Laidler at 971-673-0288 or email Matthew.Laidler@state.or.us.



Outpatient Influenza-like Illness (ILI)

ILINet: Oregon’s Outpatient Influenza-like Illness Surveillance Network

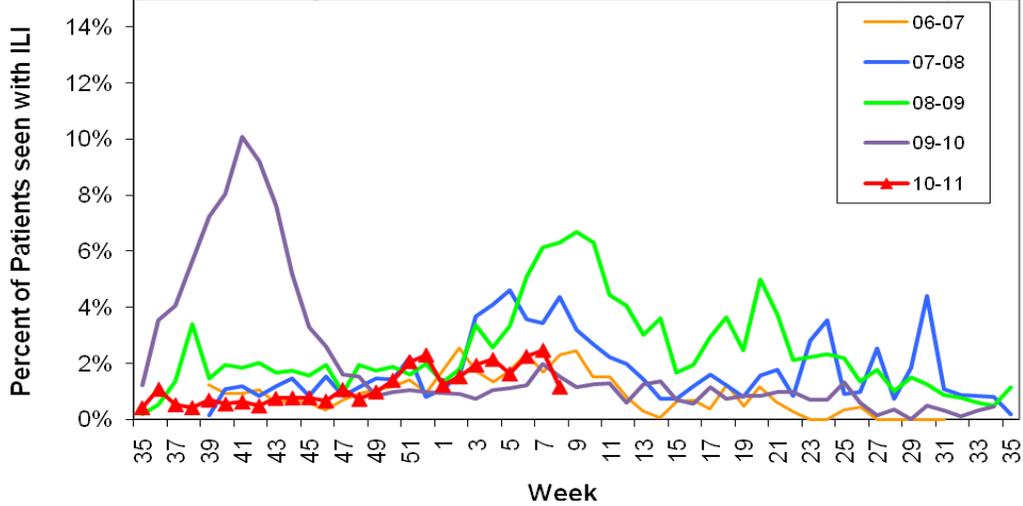
Oregon’s outpatient influenza-like illness network is comprised of 30 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness (ILI) as well as total number of patient visits for each week during the surveillance season.

ILI is defined as fever ($\geq 100^{\circ}\text{F}$) and cough or sore throat. The number of patient visits and the percent of patients with ILI for the last 4 weeks are presented below. The average ILI reported during influenza weeks (defined as percent positive for influenza at the Oregon State Public Health Laboratory $>10\%$) over the previous three seasons is 3.52% (although this figure is skewed upward by the H1N1 pandemic of 2009). The percent of outpatients seen with ILI for Week 8 was 1.15%, which is below the seasonal average and represents a decrease from previous weeks.

	Number of Patients Visits	Percent of Patients with ILI	Number of Provider Reports
Week ending February 26th	2684	1.15%	13
Week ending February 19th	3528	2.47%	17
Week ending February 12th	3831	2.24%	20
Week ending February 5th	3389	1.62%	16

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)

Percent of Outpatients with Influenza-like Illness (ILI)

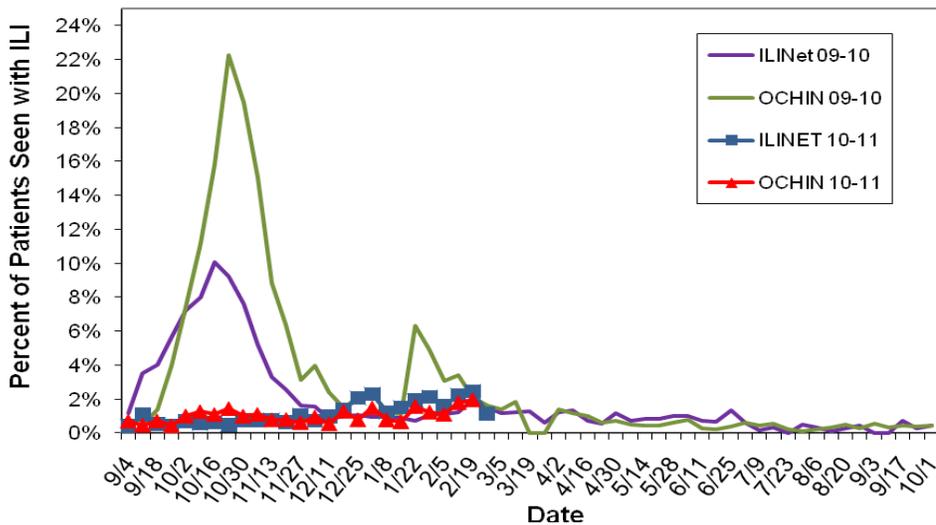


OCHIN Influenza-like Illness Surveillance

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 reports of ILI are one week behind our other syndromic surveillance system reports. The percent of OCHIN patients seen with ILI was 1.80% and 1.97% during weeks 6 and 7, respectively.

For a more detailed look at our Influenza Sentinel Provider Surveillance System data check out: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml#stats>.

Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



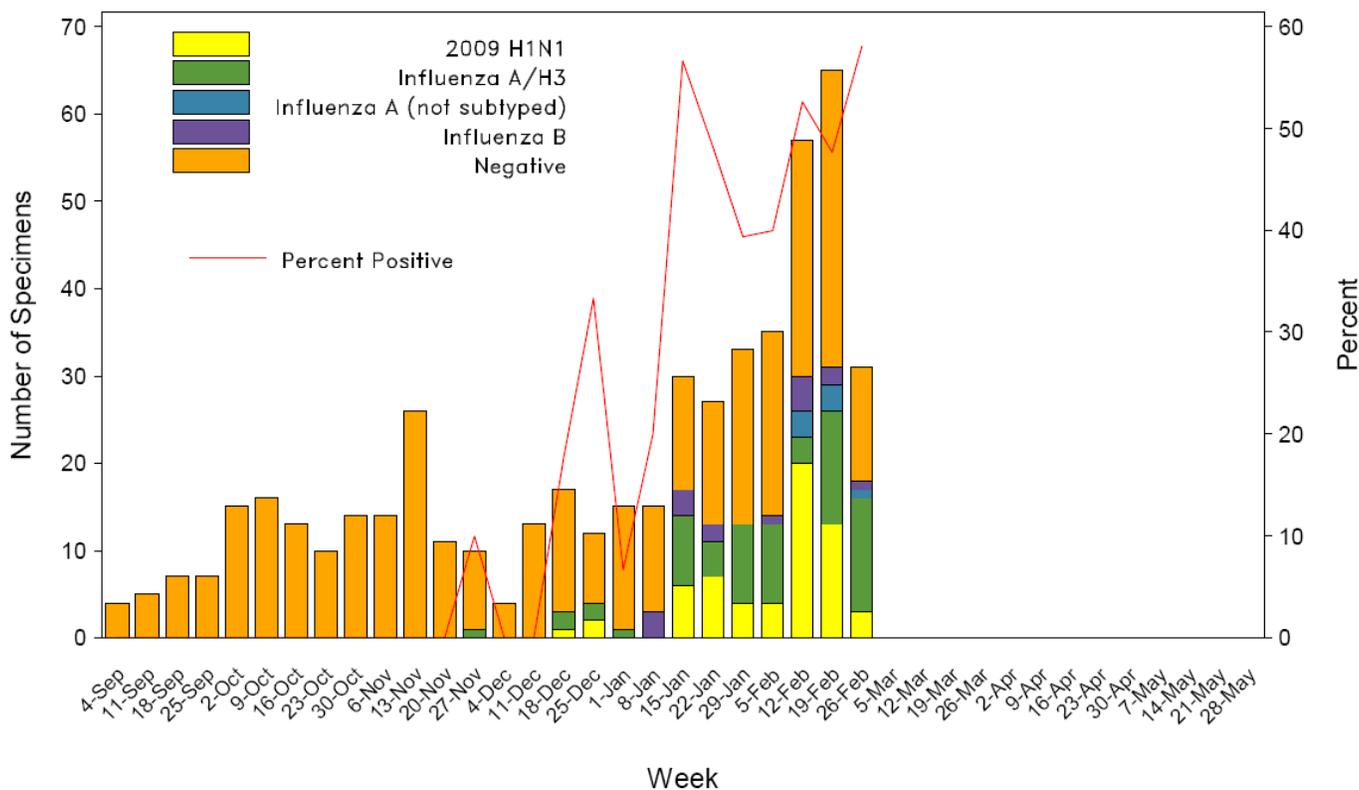
Laboratory Surveillance

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

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- Patients hospitalized with influenza-like illness in the Portland Tri-County area (Multnomah, Clackamas and Washington counties) as part of a CDC-funded study. We encourage submission of specimens 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 (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

To date, all isolates of influenza tested by the OSPHL are similar to viruses chosen for the 2010-2011 influenza vaccine.

**Number and Percent Positive for Influenza by PCR
OSPHL 2010-2011**



**Oregon State Public Health Laboratory
Specimen Type and Subtype, 2010-11**

	Cumulative since September 1st, 2010					Current Week (Feb. 20-26, 2011)
	ILINet N (%)	IISP N %	Hospitalized* or Died N (%)	Outbreaks N (%)	Total N (%)	Total N(%)
Influenza A						
2009 pH1N1	5 (11)	22 (9)	13 (35)	0	40 (12)	2 (9)
Seasonal A (H1)	0	0	0	0	0	0
Seasonal A (H3)	4 (9)	7 (3)	17 (46)	1 (5)	29 (8)	6 (26)
Influenza B	4 (9)	5 (2)	1 (3)	0	10 (3)	2 (9)
Respiratory Syncytial Virus (RSV)	1 (2)	9 (4)	0	3 (14)	13 (4)	0
Parainfluenza type 1	0	1 (0.4)	0	0	1 (0.3)	0
Parainfluenza type 2	0	6 (3)	0	0	6 (2)	0
Parainfluenza type 3	2 (4)	10 (4)	0	0	12 (3)	0
Adenovirus	1 (2)	4 (2)	0	0	5 (1)	0
Pending	0	10 (4)	3 (8)	0	13 (4)	11 (48)
Undetected	30 (64)	167 (69)	3 (8)	18 (82)	218 (63)	2 (9)
Total Tested	47	241	37	22	347	23

*Although we make our best effort to only include hosp pts in our lab surv., submissions for hosp cases include some ER visits

For additional information on influenza testing guidelines for the 2010-11 season, please see:
http://egov.oregon.gov/DHS/ph/acd/reporting/guideln/test_guideline2010.pdf

Additional resources:

For more information on influenza in Oregon please see: <http://www.flu.oregon.gov/>.
Oregon influenza surveillance: <http://egov.oregon.gov/DHS/ph/acd/flu/surveil.shtml>
CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly/>

FLU BITES

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



Published February 25, 2011

Summary

- Levels of influenza-like illness (ILI) detected by Oregon's outpatient ILI network have increased slightly in Week 7, whereas the number of influenza-associated hospitalizations (five)* has decreased from a peak of seven hospitalizations in Week 6.
- Circulating types/subtypes identified so far this season include influenza B, influenza A/H3, and 2009 H1N1, all of which have been identified by the state laboratory in the past week.
- There have been two influenza-related deaths reported in Oregon so far this season; both deaths occurred in adults during the week of January 16-22, 2011 (Week 3). Both patients tested positive for 2009 H1N1 influenza.
- RSV season began officially in Oregon the week of December 26, 2011-January 1, 2011. RSV percent positivity** was 36% for the week ending February 19, 2011.

* Based on hospitalization surveillance in Clackamas, Multnomah, and Washington counties only.

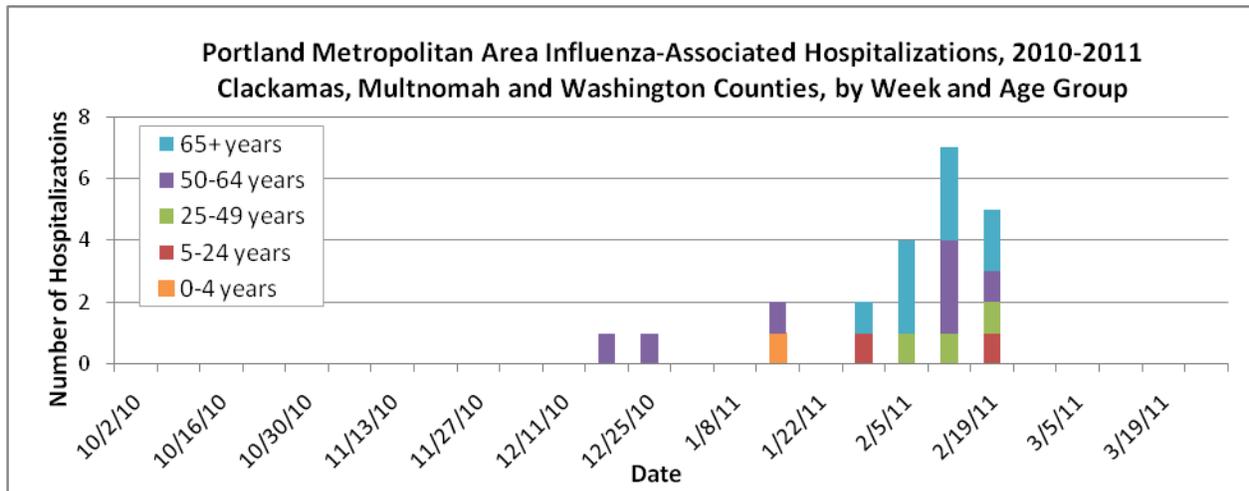
**Percent positivity based on data from Oregon's RSV Laboratory Surveillance System (number of positive RSV tests ÷ number of RSV tests performed)

Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations are reported by hospitals in the Portland Tri-County area (Clackamas, Multnomah, and Washington counties) for all ages where patients are admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, PCR, or serology.

Twenty-three influenza-associated hospitalizations have been reported since we began conducting official influenza surveillance this season; all have occurred since Week 50. Influenza subtypes identified from these patients include A/H3 (nine patients), 2009 H1N1 (seven patients) and influenza B (one patient); results from six recent patients are pending.

We encourage submission of specimens to the Oregon State Public Health Laboratory for patients hospitalized with influenza-like illness in the Portland Tri-County area, even if rapid influenza tests are negative or have not been performed. To report an influenza-associated hospitalization in these three counties, please contact Matt Laidler at 971-673-0288 or email Matthew.Laidler@state.or.us.



Outpatient Influenza-like Illness (ILI)

ILINet: Oregon’s Outpatient Influenza-like Illness Surveillance Network

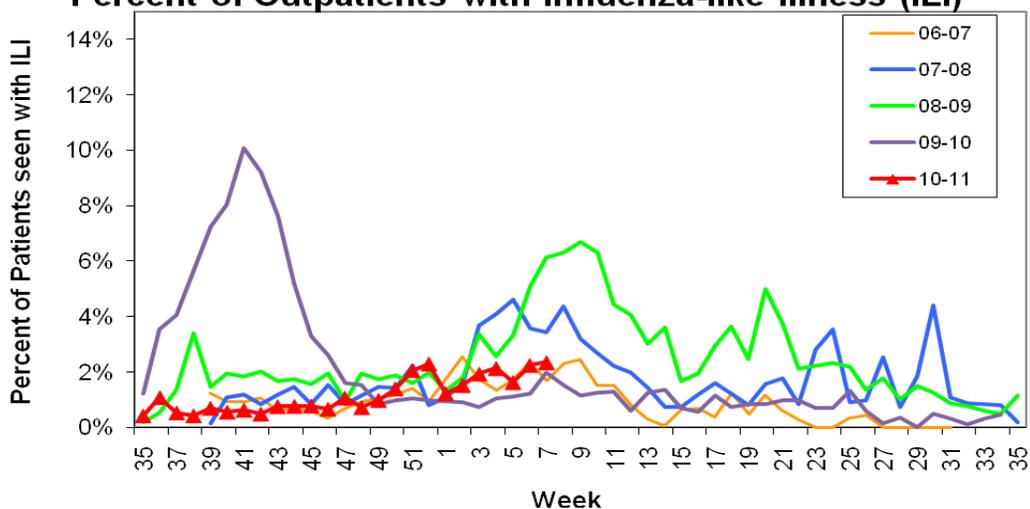
Oregon’s outpatient influenza-like illness network is comprised of 30 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness (ILI) as well as total number of patient visits for each week during the surveillance season.

ILI is defined as fever ($\geq 100^{\circ}\text{F}$) and cough or sore throat. The number of patient visits and the percent of patients with ILI for the last 4 weeks are presented below. The average ILI reported during influenza weeks (defined as percent positive for influenza at the Oregon State Public Health Laboratory $>10\%$) over the previous three seasons is 3.52% (although this figure is skewed upward by the H1N1 pandemic of 2009). The percent of outpatients seen with ILI for Week 7 was 2.34%, which is below the seasonal average but represents an increase from previous weeks.

	Number of Patients Visits	Percent of Patients with ILI	Number of Provider Reports
Week ending February 19th	3412	2.34%	15
Week ending February 12th	3831	2.24%	20
Week ending February 5th	3389	1.62%	16
Week ending January 29th	4027	2.14%	20

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)

Percent of Outpatients with Influenza-like Illness (ILI)

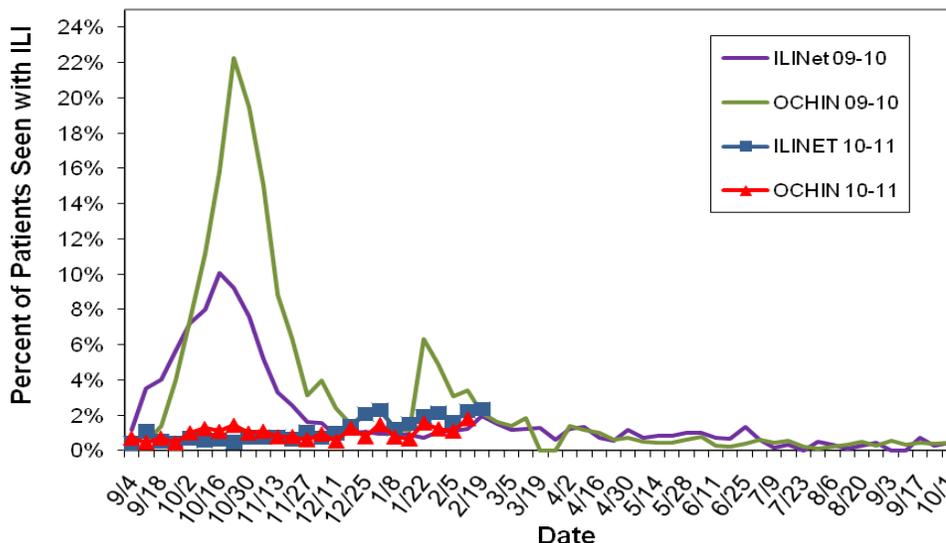


OCHIN Influenza-like Illness Surveillance

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 reports of ILI are one week behind our other syndromic surveillance system reports. The percent of OCHIN patients seen with ILI was 1.11% and 1.81% during weeks 5 and 6, respectively.

For a more detailed look at our Influenza Sentinel Provider Surveillance System data check out: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml#stats>.

Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



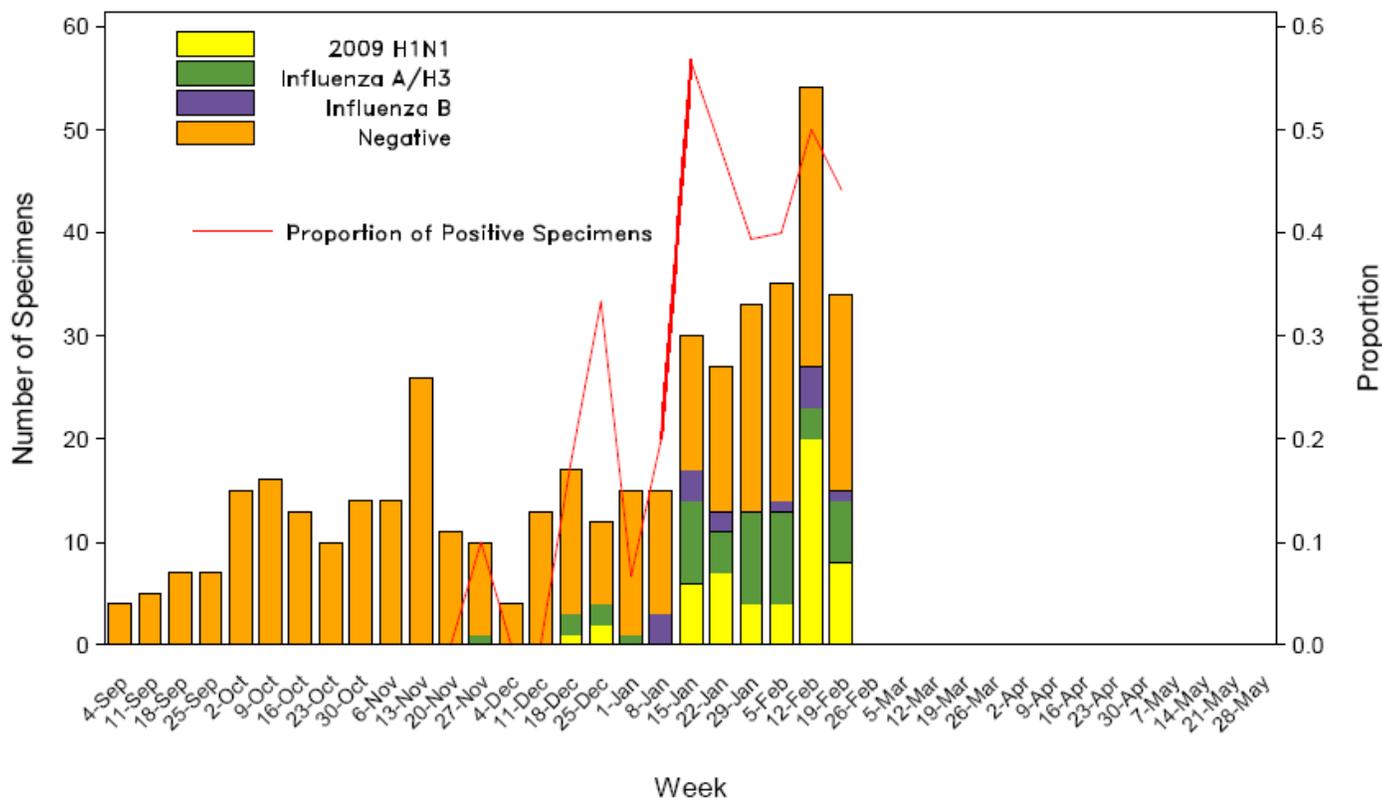
Laboratory Surveillance

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 (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 a CDC-funded study. We encourage submission of specimens 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 (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

To date, all isolates of influenza tested by the OSPHL are similar to viruses chosen for the 2010-2011 influenza vaccine.

**Number and Percent Positive for Influenza by PCR
OSPHL 2010-2011**



**Oregon State Public Health Laboratory
Specimen Type and Subtype, 2010-11**

	Cumulative since September 1st, 2010					Current Week (Feb. 13-19, 2011)
	ILINet N (%)	IISP N %	Hospitalized* or Died N (%)	Outbreaks N (%)	Total N (%)	Total N(%)
Influenza A						
2009 pH1N1	5 (11)	21 (9)	9 (41)	0	35 (11)	5 (14)
Seasonal A (H1)	0	0	0	0	0	0
Seasonal A (H3)	3 (7)	6 (3)	9 (41)	1 (5)	19 (6)	2 (5)
Influenza B	3 (7)	4 (2)	1 (5)	0	8 (3)	1 (3)
Respiratory Syncytial Virus (RSV)	1 (2)	7 (3)	0	1 (20)	11 (4)	2 (6)
Parainfluenza type 1	0	1 (0.4)	0	0	1 (0.3)	0
Parainfluenza type 2	0	6 (3)	0	0	6 (2)	0
Parainfluenza type 3	2 (4)	10 (4)	0	0	12 (4)	0
Adenovirus	1 (2)	4 (2)	0	0	5 (2)	0
Pending	1 (2)	13 (6)	3 (14)	3 (60)	17 (5)	14 (38)
Undetected	29 (64)	157 (69)	0	0	204 (64)	13 (35)
Total Tested	45	229	22	22	318	37

*Although we make our best effort to only include hosp pts in our lab surv., submissions for hosp cases include some ER visits

For additional information on influenza testing guidelines for the 2010-11 season, please see:
http://egov.oregon.gov/DHS/ph/acd/reporting/guideln/test_guideline2010.pdf

Additional resources:

For more information on influenza in Oregon please see: <http://www.flu.oregon.gov/>.
Oregon influenza surveillance: <http://egov.oregon.gov/DHS/ph/acd/flu/surveil.shtml>
CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly/>

FLU BITES

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



Published February 18, 2011

Summary

- The number of influenza-associated hospitalizations (seven) increased slightly during Week 6 (Feb. 6-12, 2011), although levels of influenza-like illness (ILI) detected by Oregon's outpatient ILI network remain stable.
- Circulating types/subtypes identified so far this season include influenza B, influenza A/H3, and 2009 H1N1, all of which have been identified by the state laboratory in the past week.
- There have been two influenza-related deaths reported in Oregon so far this season; both deaths occurred in adults during the week of January 16-22, 2011 (Week 3). Both patients tested positive for 2009 H1N1 influenza.
- RSV season began officially in Oregon the week of December 26, 2011-January 1, 2011. RSV percent positivity* was 38% for the week ending February 12, 2011.

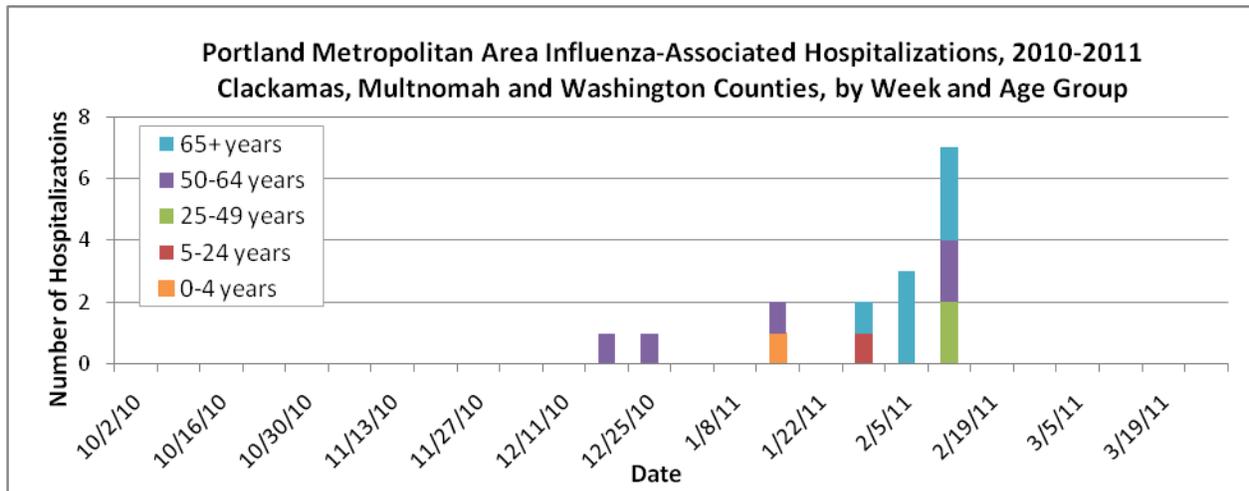
* Percent positivity based on data from Oregon's RSV Laboratory Surveillance System (number of positive RSV tests ÷ number of RSV tests performed)

Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations are reported by hospitals in the Portland Tri-County area (Clackamas, Multnomah, and Washington Counties) for all ages. Patients must be admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, PCR, or serology.

Sixteen influenza-associated hospitalizations have been reported since we began conducting official influenza surveillance this season; all have occurred since Week 50. Influenza subtypes identified from these patients include A/H3 (eight patients), 2009 H1N1 (five patients) and influenza B (one patient); results from two recent patients are pending.

We encourage submissions of specimens to the Oregon State Public Health Laboratory for patients hospitalized with influenza-like illness in the Portland Tri-County area, even if rapid influenza tests are negative or have not been performed. To report an influenza-associated hospitalization in these three counties, please contact Matt Laidler at 971-673-0288 or Matthew.Laidler@state.or.us.



Outpatient Influenza-like Illness (ILI)

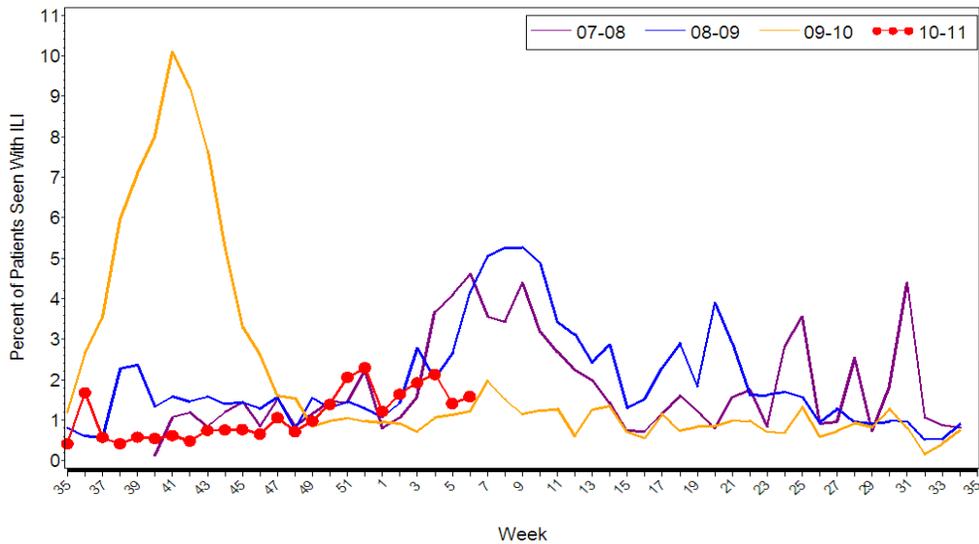
ILINet: Oregon’s Outpatient Influenza-like Illness Surveillance Network

Oregon’s outpatient influenza-like illness network is comprised of 30 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness (ILI) as well as total number of patient visits for each week during the surveillance season.

ILI is defined as fever ($\geq 100^{\circ}\text{F}$) and cough or sore throat. The number of patient visits and the percent of patients with ILI for the last 4 weeks are presented below. The average ILI reported during influenza weeks (defined as percent positive for influenza at the Oregon State Public Health Laboratory $>10\%$) over the previous three seasons is 3.52% (although this figure is skewed upward by the H1N1 pandemic of 2009). The percent of outpatients seen with ILI for Week 6 was 1.58%, which is below the seasonal average.

	Number of Patients Visits	Percent of Patients with ILI	Number of Provider Reports
Week ending February 12th	2019	1.58%	15
Week ending February 5th	3111	1.41%	15
Week ending January 29th	4027	2.14%	20
Week ending January 22nd	3214	1.93%	17

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)
 Percent of Outpatients with Influenza-like Illness (ILI)
 2007-2008, 2008-2009, 2009-2010, 2010-2011



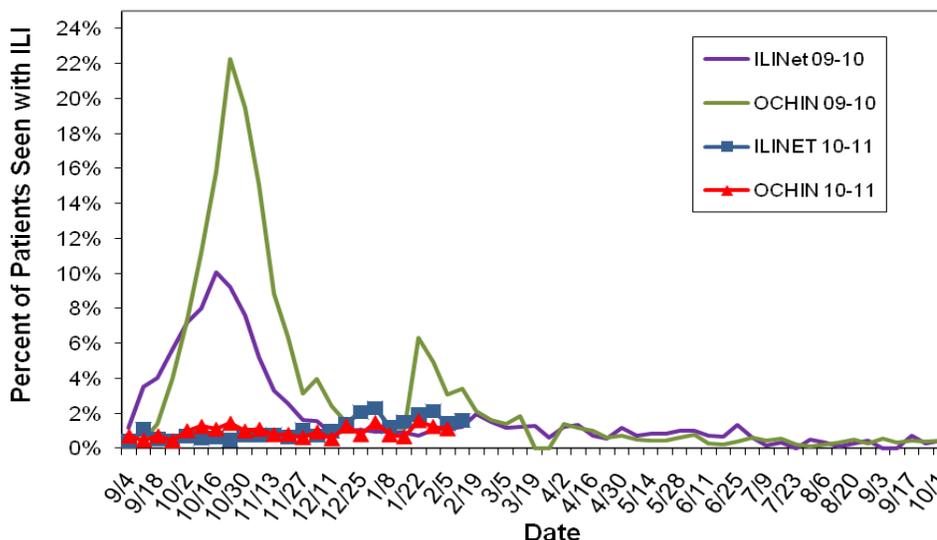
Oregon Health Authority. Surveillance weeks run from Sunday through Saturday
 Sentinel providers report the number of patients seen with influenza-like illness as well as total patients seen each week.

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 reports of ILI are one week behind our other syndromic surveillance system reports. The percent of OCHIN patients seen with ILI was 1.25% and 1.12% during weeks 4 and 5, respectively.

For a more detailed look at our Influenza Sentinel Provider Surveillance System data check out: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml#stats>.

Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



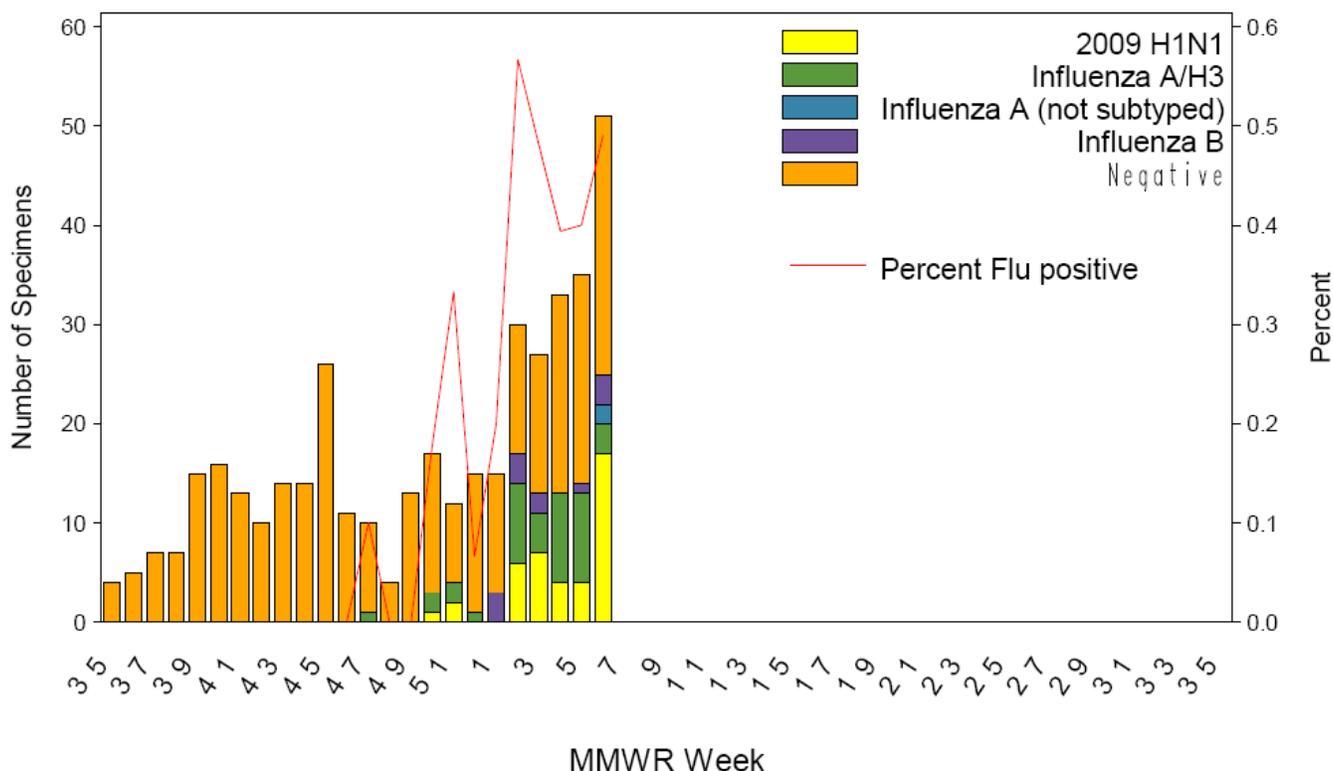
Laboratory Surveillance

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 (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 a CDC-funded study. We encourage submission of specimens 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 (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

To date, all isolates of influenza tested by the OSPHL are similar to viruses chosen for the 2010-2011 influenza vaccine.

**Number and Percent Positive for Influenza by PCR
OSPHL 2010-2011**



**Oregon State Public Health Laboratory
Specimen Type and Subtype, 2010-11**

	Cumulative since September 1st, 2010					Current Week (Feb. 6-12, 2011)
	ILINet N (%)	IISP N %	Hospitalized* or Died N (%)	Outbreaks N (%)	Total N (%)	Total N(%)
Influenza A						
2009 pH1N1	3 (8)	19 (9)	7 (39)	0	29 (11)	12 (34)
Seasonal A (H1)	0	0	0	0	0	0
Seasonal A (H3)	3 (8)	5 (2)	8 (44)	1 (20)	17 (6)	1 (3)
Influenza B	2 (5)	3 (1)	1 (5)	0	6 (2)	3 (9)
Respiratory Syncytial Virus (RSV)	0	7 (3)	0	1 (20)	8 (3)	3 (9)
Parainfluenza type 1	0	1 (0.5)	0	0	1 (0.4)	0
Parainfluenza type 2	0	6 (3)	0	0	6 (2)	0
Parainfluenza type 3	2 (5)	10 (5)	0	0	12 (4)	1 (3)
Adenovirus	1 (3)	4 (2)	0	0	5 (2)	1 (3)
Pending	1 (3)	2 (1)	2 (11)	3 (60)	8 (3)	7 (20)
Undetected	28 (70)	151 (73)	0	0	179 (66)	7 (20)
Total Tested	40	208	18	5	271	35

*Although we make our best effort to only include hosp pts in our lab surv., submissions for hosp cases include some ER visits

For additional information on influenza testing guidelines for the 2010-11 season, please see: http://egov.oregon.gov/DHS/ph/acd/reporting/guideln/test_guideline2010.pdf

Additional resources:

For more information on influenza in Oregon please see: <http://www.flu.oregon.gov/>.
Oregon influenza surveillance: <http://egov.oregon.gov/DHS/ph/acd/flu/surveil.shtml>
CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly/>

FLU BITES

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



Published February 11, 2011

Summary

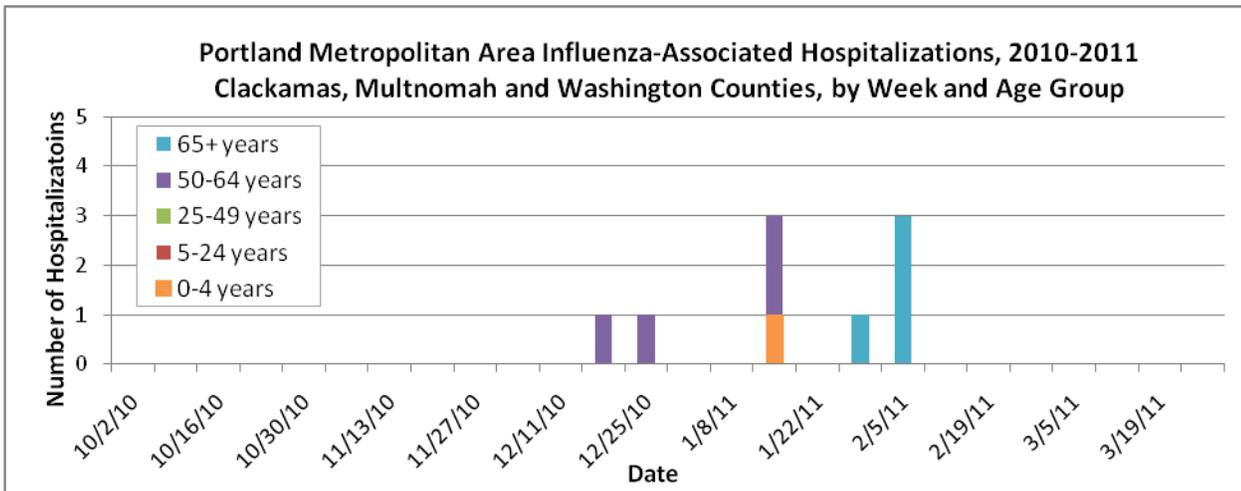
- Influenza activity decreased slightly during Week 5 (Jan. 30 – Feb. 5, 2011) in Oregon. Circulating types/subtypes identified so far this season include influenza B, influenza A/H3, and 2009 H1N1, all of which have been identified by the state laboratory in the past week.
- There have been four influenza-associated hospitalizations reported within the Portland Tri-County area during Weeks 4-5.
- There have been two influenza-related deaths reported in Oregon so far this season; both deaths occurred in adults during the week of January 16-22, 2011 (Week 3). Both patients tested positive for 2009 H1N1 influenza.
- RSV season began officially in Oregon the week of December 26, 2011-January 1, 2011. RSV percent positivity* was 37% for the week ending February 5, 2011.

* Percent positivity based on data from Oregon's RSV Laboratory Surveillance System (number of positive RSV tests ÷ number of RSV tests performed)

Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations are reported by hospitals in the Portland Tri-County area (Clackamas, Multnomah, and Washington Counties) for all ages. Patients must be admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, PCR, or serology.

Nine influenza-associated hospitalizations have been reported since we began conducting official influenza surveillance this season; all have occurred since Week 50. Influenza subtypes identified from these patients include A/H3 (seven patients) and 2009 H1N1 (two patients). We encourage submissions of specimens to the Oregon State Public Health Laboratory for patients hospitalized with influenza-like illness in the Portland Tri-County area, even if rapid influenza tests are negative or have not been performed. To report an influenza-associated hospitalization in these three counties, please contact Rachel Linz at 971-673-1111 or Rachel.S.Linz@state.or.us.



Outpatient Influenza-like Illness (ILI)

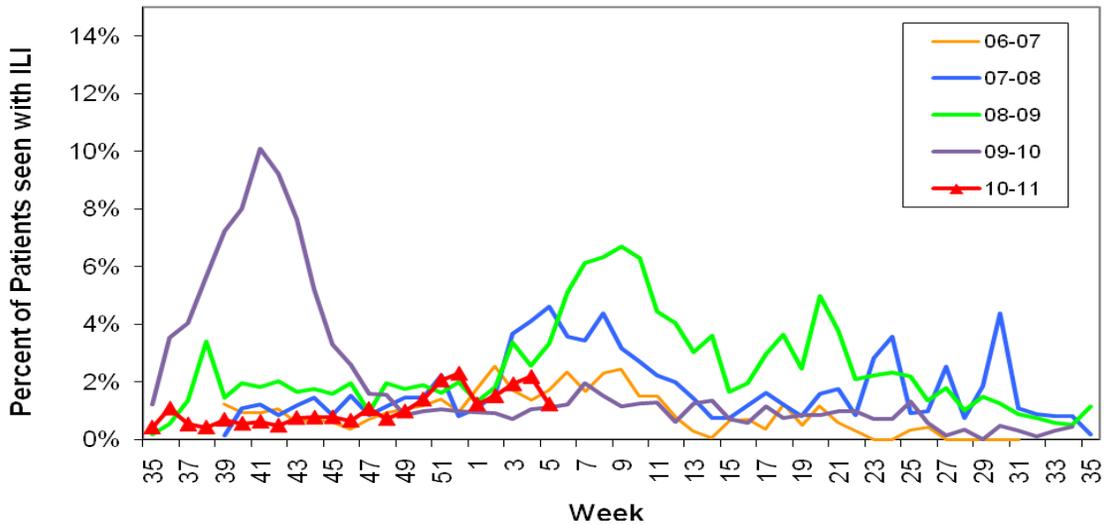
ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network

Oregon's outpatient influenza-like illness network is comprised of 30 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness (ILI) as well as total number of patient visits for each week during the surveillance season.

ILI is defined as fever ($\geq 100^{\circ}\text{F}$) and cough or sore throat. The number of patient visits and the percent of patients with ILI for the last 3 weeks are presented below. The average ILI reported during influenza weeks (defined as percent positive for influenza at the Oregon State Public Health Laboratory $>10\%$) over the previous three seasons is 3.52% (although this figure is skewed upward by the H1N1 pandemic of 2009). The percent of outpatients seen with ILI was 2.18% and 1.22% for weeks 4 and 5, respectively, which is below the seasonal average and represents a decrease from previous weeks.

	Number of Patients Visits	Percent of Patients with ILI	Number of Provider Reports
Week ending February 5th	2940	1.22%	12
Week ending January 29th	3892	2.18%	19
Week ending January 22nd	3214	1.93%	17

**Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)
Percent of Outpatients with Influenza-like Illness (ILI)
2006-07, 2007-08, 2008-09, 2009-10, 2010-11**

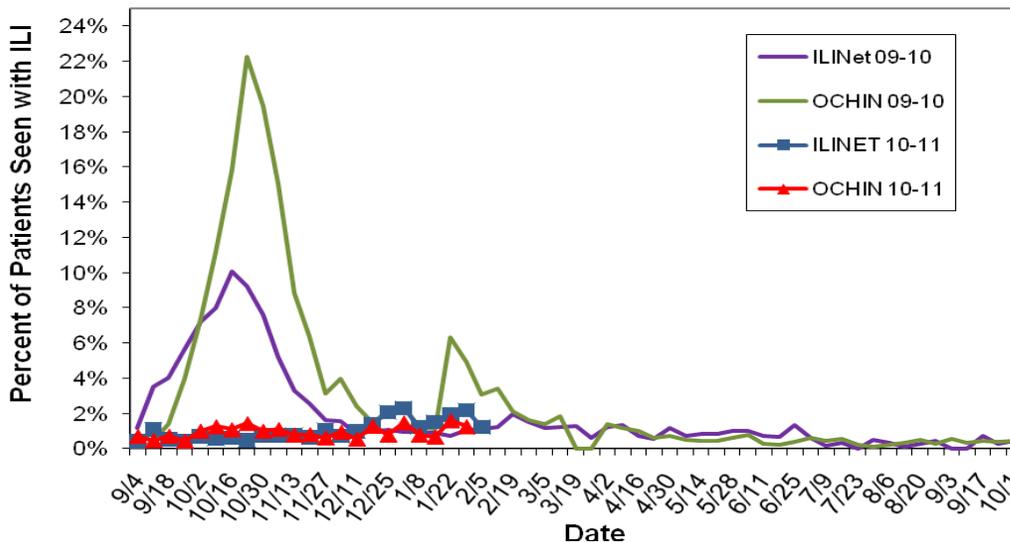


OCHIN Influenza-like Illness Surveillance

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 reports of ILI are one week behind our other syndromic surveillance system reports. The percent of OCHIN patients seen with ILI was 1.60% and 1.26% during weeks 3 and 4, respectively.

For a more detailed look at our Influenza Sentinel Provider Surveillance System data check out: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml#stats>.

Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



Laboratory Surveillance

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 (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 a CDC-funded study. We encourage submission of specimens 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 (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

Oregon State Public Health Laboratory Specimen Type and Subtype, 2010-11

	Cumulative since September 1st, 2010					Current Week (Jan 30-Feb 5, 2011)
	ILINet N (%)	Hospitalized* or Died N (%)	Outbreaks N (%)	IISP N %	Total N (%)	Total N(%)
Influenza A						
2009 pH1N1	1 (3)	4 (36)	0	12 (6)	17 (7)	4 (16)
Seasonal A (H1)	0	0	0	0	0	0
Seasonal A (H3)	3 (8)	7 (78)	1 (11)	5 (3)	16 (6)	3 (12)
Influenza B	1 (3)	1 (9)	0	2 (1)	3 (1)	1 (4)
Respiratory Syncytial Virus (RSV)	0	0	0	5 (3)	5 (2)	0
Parainfluenza type 1	0	0	0	1 (0.5)	1 (0.5)	0
Parainfluenza type 2	0	0	0	6 (3)	6 (3)	0
Parainfluenza type 3	2 (6)	0		9 (5)	12 (5)	0
Adenovirus	1 (3)	0	0	3 (2)	4 (2)	1 (4)
Results Pending	1 (3)	0	1 (11)	9 (5)	10 (4)	9 (36)
Undetected	28 (76)	0	7 (78)	139 (73)	167 (70)	5 (20)
Total Tested	37	11	9	191	248	25

*Although we make our best effort to only include hosp pts in our lab surv., submissions for hosp cases include some er visits

For additional information on influenza testing guidelines for the 2010-11 season, please see: http://egov.oregon.gov/DHS/ph/acd/reporting/guideln/test_guideline2010.pdf

Additional resources:

For more information on influenza in Oregon please see: <http://www.flu.oregon.gov/>.
Oregon influenza surveillance: <http://egov.oregon.gov/DHS/ph/acd/flu/surveil.shtml>
CDC Weekly Surveillance Report: <http://www.cdc.gov/flu/weekly/>

FLU BITES

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



Published February 4, 2011

Summary

- Influenza activity increased slightly during Weeks 3 and 4 (Jan. 16–29, 2011) in Oregon. Circulating types/subtypes identified so far this season include influenza B, influenza A/H3, and 2009 H1N1. In the past week, 2009 H1N1 has been the only subtype identified by the state laboratory.
- There have been four influenza-associated hospitalizations reported within the Portland Tri-County area during Weeks 1-4.
- RSV season officially began in Oregon the week of December 26, 2011-January 1, 2011. RSV percent positivity* was 37% for the week ending January 29, 2011.

* Percent positivity based on data from Oregon's RSV Laboratory Surveillance System (number of positive RSV tests ÷ number of RSV tests performed)

Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations are reported by hospitals in the Portland Tri-County area (Clackamas, Multnomah, and Washington Counties) for all ages. Patients must be admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, PCR, or serology.

Four influenza-associated hospitalizations have been reported since we began conducting official influenza surveillance this season; all have occurred since Week 50. Two patients tested positive by PCR for influenza A/H3 and the results for the second two patients are pending. We encourage submissions of specimens to the Oregon State Public Health Laboratory for patients hospitalized with influenza-like illness in the Portland Tri-County area, even if rapid influenza tests are negative or have not been performed. To report an influenza-associated hospitalization in these three counties, please contact Rachel Linz at 971-673-1111 or Rachel.S.Linz@state.or.us.

Outpatient Influenza-like Illness (ILI)

ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network

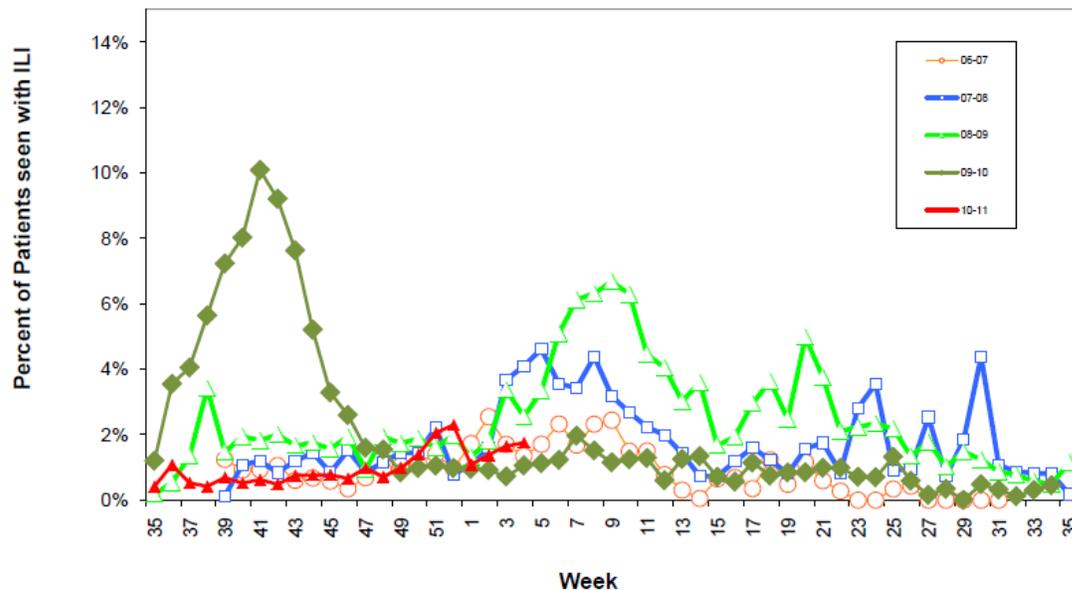
Oregon's outpatient influenza-like illness network is comprised of 30 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like

illness (ILI) as well as total number of patient visits for each week during the surveillance season.

ILI is defined as fever ($\geq 100^{\circ}\text{F}$) and cough or sore throat. The number of patient visits and the percent of patients with ILI for the last 3 weeks are presented below. The average ILI reported during influenza weeks (defined as percent positive for influenza at the Oregon State Public Health Laboratory $>10\%$) over the previous three seasons is 3.52% (although this figure is skewed upward by the H1N1 pandemic of 2009). The percent of outpatients seen with ILI was 1.65% and 1.76% for weeks 3 and 4, respectively, which is below the seasonal average and represents a decrease from previous weeks.

	Number of Patients Visits	Percent of Patients with ILI	Number of Provider Reports
Week ending January 29th	3530	1.76%	17
Week ending January 22nd	3089	1.65%	15
Week ending January 15th	3905	1.38%	18
Week ending January 8th	3877	1.08%	18
Week ending January 1st	1959	2.32%	21

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)
Percent of Outpatients with Influenza-like Illness (ILI)
 2006-07, 2007-08, 2008-09, 2009-10, 2010-11

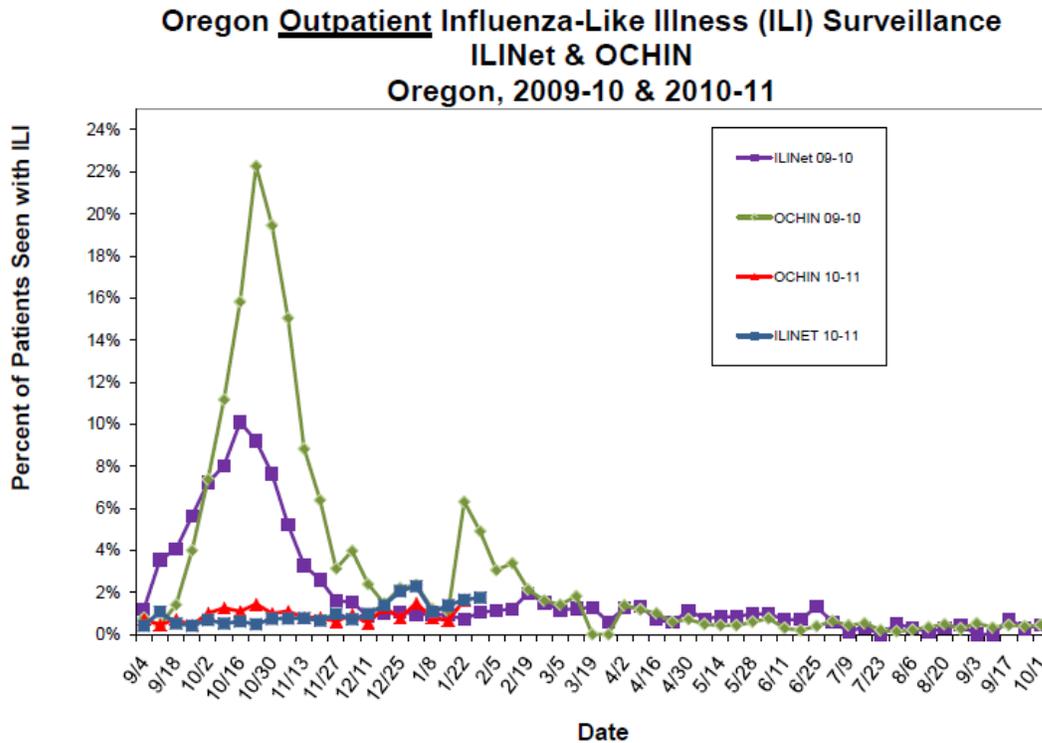


OCHIN Influenza-like Illness Surveillance

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 reports of ILI are one week behind our other syndromic surveillance system reports.

The percent of OCHIN patients seen with ILI was 0.67% and 1.63% during weeks 2 and 3, respectively.

For a more detailed look at our Influenza Sentinel Provider Surveillance System data check out: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml#stats>.



Laboratory Surveillance

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 (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 a CDC-funded study. We encourage submission of specimens 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 (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

**Oregon State Public Health Laboratory
Specimen Type and Subtype, 2010-11**

	Cumulative since September 1st, 2010					Current Week (Jan 23-29, 2011)
	ILINet N (%)	Hospitalized* or Died N (%)	Outbreaks N (%)	IISP N %	Total N (%)	Total N(%)
Influenza A						
2009 Pandemic H1N1	1 (3)	2 (33)	0	7 (4)	10 (5)	1 (4)
Seasonal A (H1)	0	0	0	0	0	0
Seasonal A (H3)	1 (3)	3 (50)	0	1 (1)	6 (3)	0
Influenza B	0	0	0	2 (1)	2 (1)	0
Respiratory Syncytial Virus (RSV)	0	0	0	2 (1)	2 (1)	0
Parainfluenza type 1	0	0	0	1 (1)	1 (0.5)	0
Parainfluenza type 2	0	0	0	5 (3)	5 (2)	1 (4)
Parainfluenza type 3	2 (6)	0		9 (5)	11 (5)	0
Adenovirus	1 (3)	0	0	1 (1)	2 (1)	0
Pending	2 (6)	1 (17)	0	21 (12)	24 (11)	21 (88)
Undetected	27 (77)	0		120 (71)	147 (70)	1 (4)
Total Tested	35	6	0	169	210	24

*Although we make our best effort to only include hosp pts in our lab surv., submissions for hosp cases include some er visits

For additional information on influenza testing guidelines for the 2010-11 season, please see:
http://egov.oregon.gov/DHS/ph/acd/reporting/guideln/test_guideline2010.pdf

Additional resources:

For more information on seasonal and 2009 H1N1 influenza in Oregon please see:

<http://www.flu.oregon.gov/>.

Oregon influenza surveillance: <http://egov.oregon.gov/DHS/ph/acd/flu/surveil.shtml>

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

FLU BITES

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



Published January 20, 2011

Summary

- Influenza activity has remained fairly steady during Weeks 1-2 (Jan. 2 –15, 2011) in Oregon, although we are seeing more positive influenza specimens at the Oregon State Public Health Laboratory (OSPHL). Types/subtypes identified in the past two weeks include influenza B, influenza A/H3, and 2009 H1N1.
- There have been two influenza-associated hospitalizations reported within the Portland Tri-County area during Weeks 1-2.
- RSV season in Oregon began the week of December 26, 2011-January 1, 2011. RSV percent positivity* was 28% for the week ending January 15, 2011.

* Percent positivity based on data from Oregon's RSV Laboratory Surveillance System (number of positive RSV tests ÷ number of RSV tests performed)

Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations are reported by hospitals in the Portland Tri-County area (Clackamas, Multnomah, and Washington Counties) for all ages. Patients must be admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, PCR, or serology.

Four influenza-associated hospitalizations have been reported since we began conducting official influenza surveillance this season; all have occurred since Week 50. Two patients tested positive by PCR for influenza A/H3 and the results for the second two patients are pending. We encourage submissions of specimens to the Oregon State Public Health Laboratory for patients hospitalized with influenza-like illness in the Portland Tri-County area, even if rapid influenza tests are negative or have not been performed. To report an influenza-associated hospitalization in these three counties, please contact Rachel Linz at 971-673-1111 or Rachel.S.Linz@state.or.us.

Outpatient Influenza-like Illness (ILI)

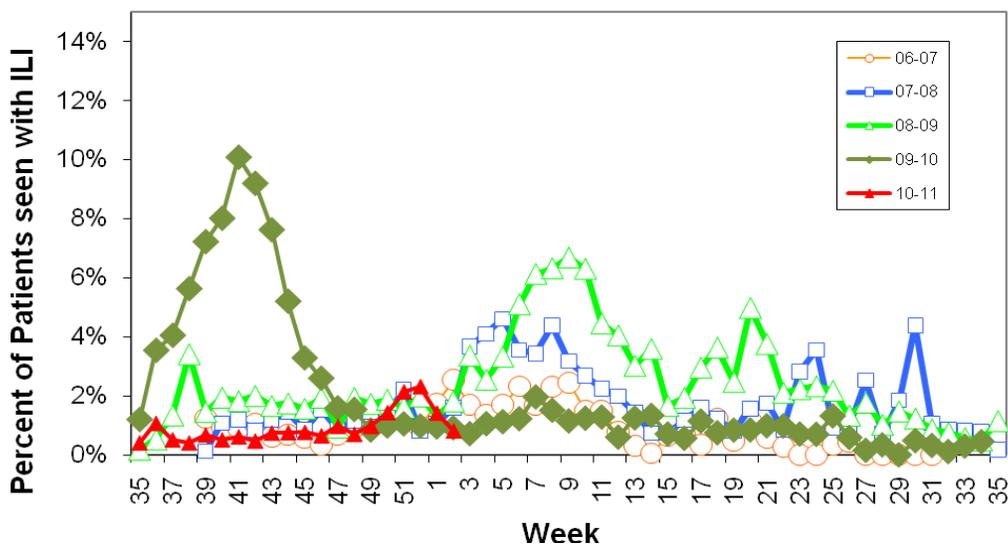
ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network

Oregon's outpatient influenza-like illness network is comprised of 30 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness (ILI) as well as total number of patient visits for each week during the surveillance season.

ILI is defined as fever ($\geq 100^{\circ}\text{F}$) and cough or sore throat. The number of patient visits and the percent of patients with ILI for the last 3 weeks are presented below. The average ILI reported during influenza weeks (defined as percent positive for influenza at the Oregon State Public Health Laboratory $>10\%$) over the previous three seasons is 3.52% (although this figure is skewed upward by the H1N1 pandemic of 2009). The percent of outpatients seen with ILI was 1.42% and 0.82% for weeks 1 and 2, respectively, which is below the seasonal average and represents a decrease from previous weeks.

	Number of Patients Visits	Percent Patients with ILI	Number of Provider Reports
Week ending January 15th	2309	0.82%	15
Week ending January 8th	2745	1.42%	16
Week ending January 1st	1943	2.32%	20

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)

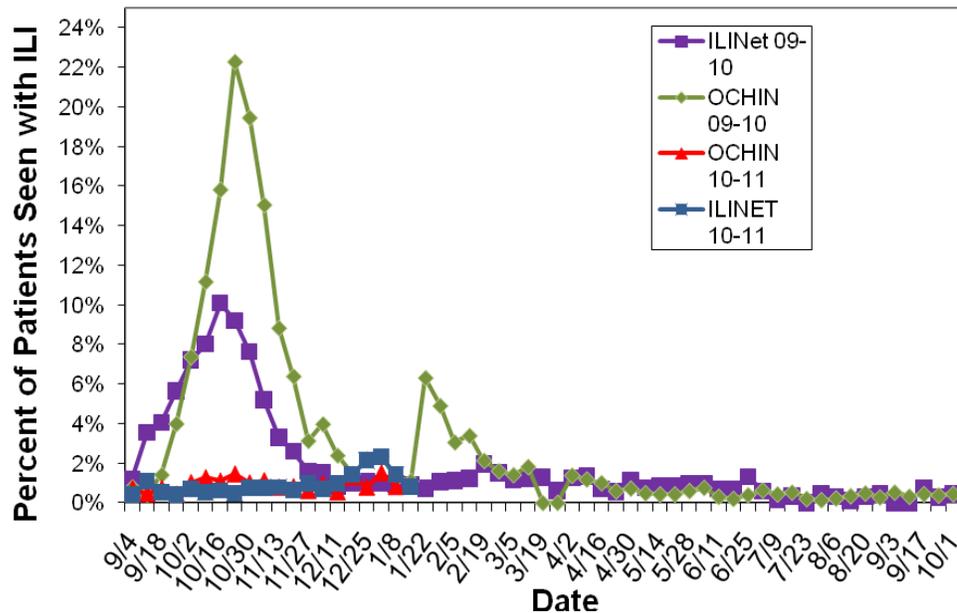


OCHIN Influenza-like Illness Surveillance

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 reports of ILI are one week behind our other syndromic surveillance system reports. The percent of OCHIN patients seen with ILI was 1.50% and 0.82% during weeks 52 and 1, respectively.

For a more detailed look at our Influenza Sentinel Provider Surveillance System data check out: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml#stats>.

Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



Laboratory Surveillance

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 (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 a CDC-funded study. We encourage submission of specimens 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 (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

**Oregon State Public Health Laboratory
Specimen Type and Subtype, 2010-11**

	Cumulative since September 1st, 2010					Current Week
	ILINet N (%)	Hospitalized* or Died N (%)	Outbreaks N (%)	IISP N %	Total N (%)	Total N(%)
Influenza A						
2009 Pandemic H1N1	0	0 (25)	0	4 (3)	4 (2)	4 (14)
Seasonal A (H1)	0	0	0	0	0	0
Seasonal A (H3)	1 (3)	1 (25)	0	1 (1)	3 (2)	1 (3)
Influenza B	0	0	0	2 (1)	2 (1)	1 (3)
Respiratory Syncytial Virus (RSV)	0	0	0	1 (1)	1 (0.5)	0
Parainfluenza type 1	0	0	0	1 (1)	1 (0.5)	0
Parainfluenza type 2	0	0	0	4 (3)	4 (2)	0
Parainfluenza type 3	2 (7)	0		8 (6)	10 (5)	1 (3)
Adenovirus	1 (3)	0	0	1 (1)	2 (1)	0
Pending	6 (21)	2 (50)	0	11 (8)	19 (10)	21 (72)
Undetected	19 (66)	0		110 (76)	129 (70)	1 (3)
Total Tested	29	4	0	144	184	29

*Although we make our best effort to only include hosp pts in our lab surv., submissions for hosp cases include some er visits

For additional information on influenza testing guidelines for the 2010-11 season, please see:
http://egov.oregon.gov/DHS/ph/acd/reporting/guideln/test_guideline2010.pdf

Additional resources:

For more information on seasonal and 2009 H1N1 influenza in Oregon please see:
<http://www.flu.oregon.gov/>.

Oregon influenza surveillance: <http://egov.oregon.gov/DHS/ph/acd/flu/surveil.shtml>

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

FLU BITES

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



Published January 7, 2011

Summary

- Influenza activity has begun to increase during Weeks 50-52 (Dec. 12, 2010 – Jan. 1, 2011) in Oregon, although we are still below the epidemic threshold for influenza-like illness (ILI) activity.
- Seven positive influenza A/H3 specimens were detected at the Oregon State Public Health Laboratory during this time period.
- There have been two influenza-associated hospitalizations reported within the Portland Tri-County area since the beginning of the season (October 1, 2010).
- RSV season in Oregon began the week of December 26, 2010-January 1, 2011. RSV percent positivity* was 26% for the week ending January 1, 2011.

* Percent positivity based on data from Oregon's RSV Laboratory Surveillance System (number of positive RSV tests ÷ number of RSV tests performed)

Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations are reported by hospitals in the Portland Tri-County area (Clackamas, Multnomah, and Washington Counties) for all ages. Patients must be admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, PCR, or serology.

Two influenza-associated hospitalizations have been reported since we began conducting official influenza surveillance this season; one occurred during Week 50 and the second during Week 51. Both patients tested positive by PCR for influenza A/H3. We encourage submissions of specimens to the Oregon State Public Health Laboratory for patients hospitalized with influenza-like illness in the Portland Tri-County area, even if rapid influenza tests are negative or have not been performed. To report an influenza-associated hospitalization in these three counties, please contact Rachel Linz at 971-673-1111 or Rachel.S.Linz@state.or.us.

Outpatient Influenza-like Illness (ILI)

ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network

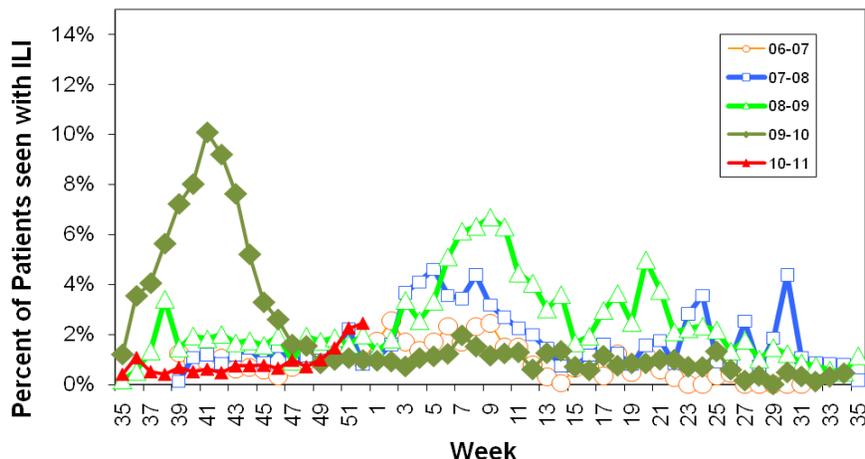
Oregon's outpatient influenza-like illness network is comprised of 30 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like

illness (ILI) as well as total number of patient visits for each week during the surveillance season.

ILI is defined as fever ($\geq 100^{\circ}\text{F}$) and cough or sore throat. The number of patient visits and the percent of patients with ILI for the last 3 weeks are presented below. The average ILI reported during influenza weeks (defined as percent positive for influenza at the Oregon State Public Health Laboratory $>10\%$) over the previous three seasons is 3.52% (although this figure is skewed upward by the H1N1 pandemic of 2009). The percent of outpatients seen with ILI was 2.25% and 2.44% for weeks 51 and 52, respectively, which is below the seasonal average but represents an increase from previous weeks.

	Number of Patients Visits	Percent Patients with ILI	Number of Provider Reports
Week ending January 1st	1842	2.44%	18
Week ending December 25th	1908	2.25%	17
Week ending December 18th	2388	1.47%	17

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)

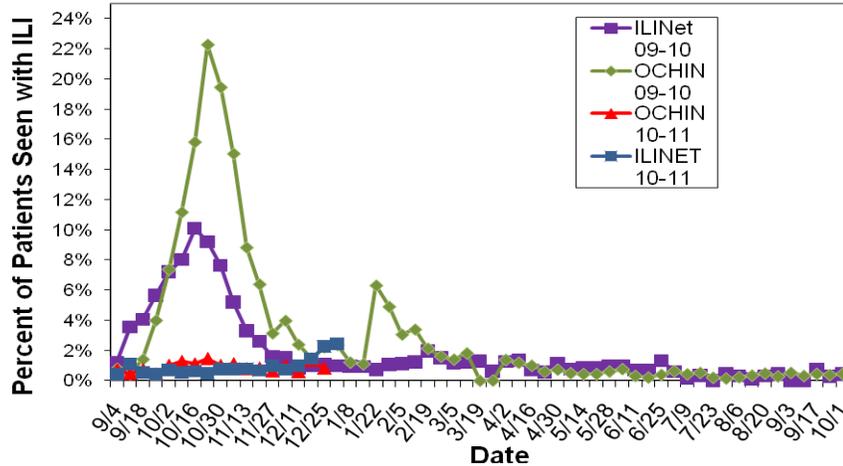


OCHIN Influenza-like Illness Surveillance

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 reports of ILI are one week behind our other syndromic surveillance system reports. The percent of OCHIN patients seen with ILI was 1.34% and 0.81% during weeks 50 and 51, respectively.

For a more detailed look at our Influenza Sentinel Provider Surveillance System data check out: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml#stats>.

Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



Laboratory Surveillance

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 (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 a CDC-funded study. We encourage submission of specimens 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 (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

Since the start of official influenza surveillance in week 39 (October 1, 2010), the OSPHL has identified seven positive specimens, all of which were sub-typed by PCR as influenza A/H3. Three specimens were collected during week 50 (Dec 12-18) and four specimens were collected during week 51 (Dec 19-25). Positive specimens have come from patients in the Portland Metro region, Northeast Oregon/Gorge region, and Southern Oregon.

For additional information on influenza testing guidelines for the 2010-11 season, please see: http://egov.oregon.gov/DHS/ph/acd/reporting/guideln/test_guideline2010.pdf

Additional resources:

For more information on seasonal and 2009 H1N1 influenza in Oregon please see:

<http://www.flu.oregon.gov/>.

Oregon influenza surveillance: <http://egov.oregon.gov/DHS/ph/acd/flu/surveil.shtml>

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

FLU BITES

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

Published December 17, 2010



Summary

- Influenza activity remained low during Weeks 48-49 (Nov. 28 – Dec. 11, 2010) in Oregon.
- One positive influenza A/H3 specimen was detected at the Oregon State Public Health Laboratory during this time period.
- There have been no influenza-associated hospitalizations reported within the Portland Tricounty area since the beginning of the season (October 1, 2010).
- RSV percent positivity* was 12% for the week ending December 11, 2010.

* Percent positivity based on data from Oregon's RSV Laboratory Surveillance System (number of positive RSV tests ÷ number of RSV tests performed)

Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations are reported by hospitals in the Portland Tricounty area (Clackamas, Multnomah, and Washington Counties) for all ages. Patients must be admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, PCR, or serology. No influenza-associated hospitalizations have been reported since we began conducting official influenza surveillance this season. We encourage submissions of specimens to the Oregon State Public Health Laboratory for patients hospitalized with influenza-like illness in the Portland Tricounty area, even if rapid influenza tests are negative or have not been performed. To report an influenza-associated hospitalization in these three counties, please contact Rachel Linz at 971-673-1111 or Rachel.S.Linz@state.or.us.

Outpatient Influenza-like Illness (ILI)

ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network

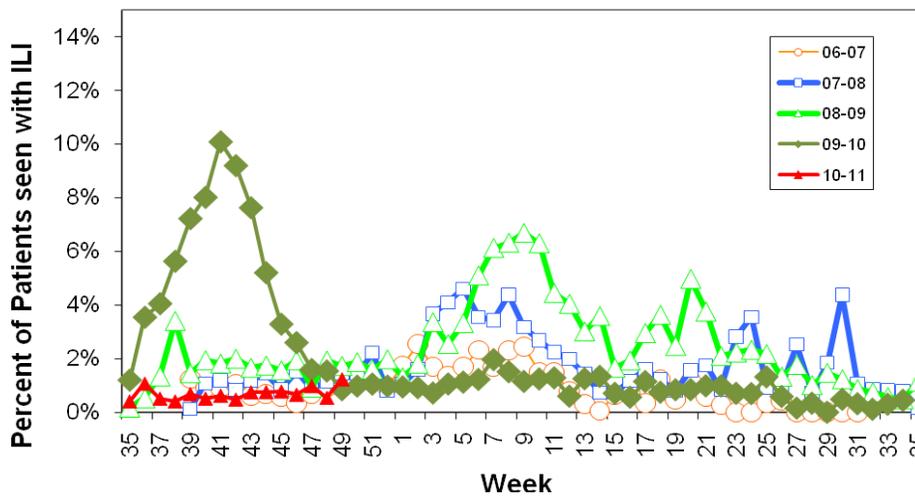
Oregon's outpatient influenza-like illness network is comprised of 30 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness (ILI) as well as total number of patient visits for each week during the surveillance season.

ILI is defined as fever ($\geq 100^{\circ}\text{F}$) and cough or sore throat. The number of patient visits and the percent of patients with ILI for the last 3 weeks are presented below. The average ILI reported during influenza weeks (defined as percent positive for influenza at the Oregon

State Public Health Laboratory >10%) over the previous three seasons is 3.52%. The percent of outpatients seen with ILI was 0.55% and 1.24% for weeks 48 and 49, respectively, which is well below the seasonal average.

	Number of Patients Visits	Percent Patients with ILI	Number of Provider Reports
Week ending December 11 th	1935	1.24%	11
Week ending December 4 th	3434	0.55%	15
Week ending November 27 th	2323	0.99%	16

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)

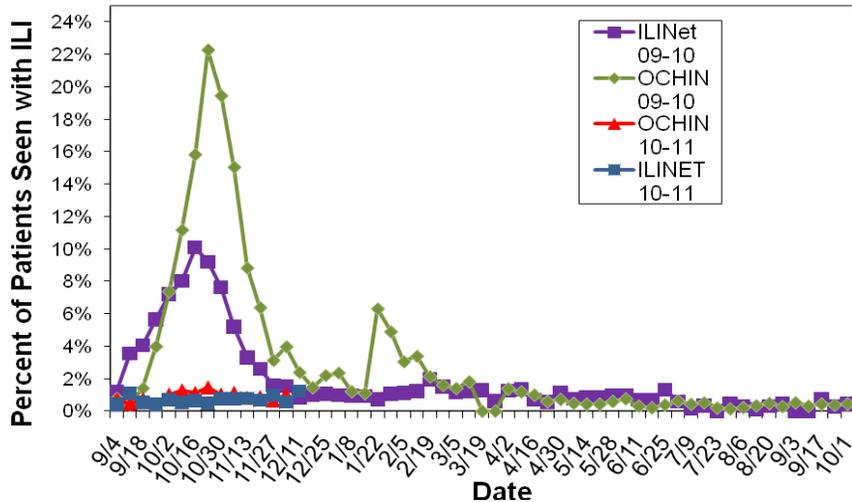


OCHIN Influenza-like Illness Surveillance

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 reports of ILI are one week behind our other syndromic surveillance system reports. The percent of OCHIN patients seen with ILI was 0.65% and 1.01% during weeks 47 and 48, respectively.

For a more detailed look at our Influenza Sentinel Provider Surveillance System data check out: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml#stats>.

Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



Laboratory Surveillance

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 (ILINet & Influenza Incidence Surveillance Project (IISP)).
- Patients hospitalized with influenza-like illness in the Portland Tricounty area (Multnomah, Clackamas and Washington counties) as part of a CDC-funded study. We encourage submission of specimens 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 (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

Since the start of official influenza surveillance in week 39 (October 1, 2010), the OSPHL has identified one positive specimen from an outpatient who acquired influenza out of the country. This specimen was subtyped as influenza A/H3.

For additional information on influenza testing guidelines for the 2010-11 season, please see: http://egov.oregon.gov/DHS/ph/acd/reporting/guideln/test_guideline2010.pdf

Additional resources:

For more information on seasonal and 2009 H1N1 influenza in Oregon please see: <http://www.flu.oregon.gov/>.

Oregon influenza surveillance: <http://egov.oregon.gov/DHS/ph/acd/flu/surveil.shtml>

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

FLU BITES

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

Published December 3, 2010



Summary

- Influenza activity remained low during Weeks 45-47 (Nov. 7 – Nov. 27, 2010) in Oregon.
- No influenza virus activity was detected by culture or PCR at the Oregon State Public Health Laboratory during this time period.
- There have been no influenza-associated hospitalizations reported within the Portland Tricounty area since the beginning of the season (October 1, 2010).
- RSV percent positivity* was 10% for the week ending November 27th, 2010.

* Percent positivity based on data from Oregon's RSV Laboratory Surveillance System (number of positive RSV tests ÷ number of RSV tests performed)

Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations are reported by hospitals in the Portland Tricounty area (Clackamas, Multnomah, and Washington Counties) for all ages. Patients must be admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, PCR, or serology. No influenza-associated hospitalizations have been reported since we began conducting official influenza surveillance this season. We encourage submissions of specimens to the Oregon State Public Health Laboratory for patients hospitalized with influenza-like illness in the Portland Tricounty area, even if rapid influenza tests are negative or have not been performed. To report an influenza-associated hospitalization in these three counties, please contact Rachel Linz at 971-673-1111 or Rachel.S.Linz@state.or.us.

Outpatient Influenza-like Illness (ILI)

ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network

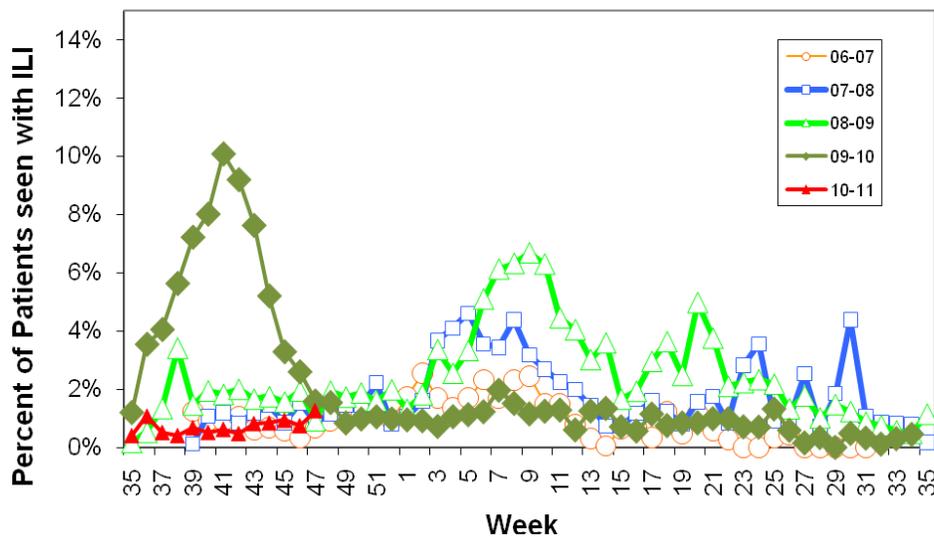
Oregon's outpatient influenza-like illness network is comprised of 30 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness (ILI) as well as total number of patient visits for each week during the surveillance season.

ILI is defined as fever ($\geq 100^{\circ}\text{F}$) and cough or sore throat. The number of patient visits and the percent of patients with ILI for the last 3 weeks are presented below. The average ILI reported during influenza weeks (defined as percent positive for influenza at the Oregon State Public Health Laboratory $> 10\%$) over the previous three seasons is 3.52%. The percent

of outpatients seen with ILI was 0.76% and 1.27% for weeks 46 and 47, respectively, which is well below the seasonal average.

	Number of Patients Visits	Percent Patients with ILI	Number of Provider Reports
Week ending November 27th	788	1.27%	10
Week ending November 20th	5153	0.76%	14
Week ending November 13th	5724	0.94%	17

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)

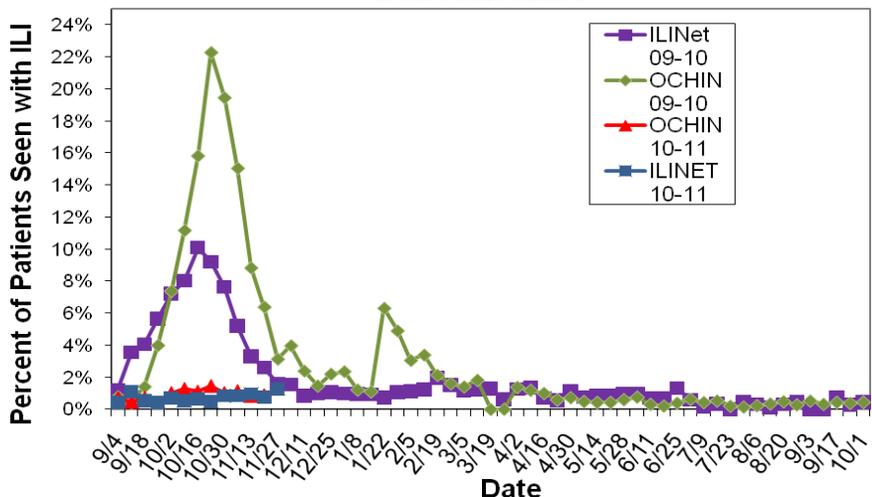


OCHIN Influenza-like Illness Surveillance

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 reports of ILI are one week behind our other syndromic surveillance system reports. The percent of OCHIN patients seen with ILI was 0.84% and 0.88% during weeks 45 and 46, respectively.

For a more detailed look at our Influenza Sentinel Provider Surveillance System data check out: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml#stats>.

Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



Laboratory Surveillance

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 (ILINet & Influenza Incidence Surveillance Project (IISP)).
- Patients hospitalized with influenza-like illness in the Portland Tricounty area (Multnomah, Clackamas and Washington counties) as part of a CDC-funded study. We encourage submission of specimens 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 (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

Since the start of official influenza surveillance in week 39 (October 1, 2010), the OSPHL has not identified any influenza viruses; however there was one positive influenza specimen from a Washington County resident in Week 37 that was confirmed to be the 2009 H1N1 strain by the OSPHL.

For additional information on influenza testing guidelines for the 2010-11 season, please see: http://egov.oregon.gov/DHS/ph/acd/reporting/guideln/test_guideline2010.pdf

Additional resources:

For more information on seasonal and 2009 H1N1 influenza in Oregon please see: <http://www.flu.oregon.gov/>.

Oregon influenza surveillance: <http://egov.oregon.gov/DHS/ph/acd/flu/surveil.shtml>

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

FLU BITES

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

Published November 12, 2010



Summary

- Influenza activity remained low during Weeks 43-44 (October 24-Nov 6, 2010) in Oregon.
- No influenza virus activity was detected by culture or PCR at the Oregon State Public Health Laboratory during this time period.
- There have been no influenza-associated hospitalizations reported within the Portland Tricounty area since the beginning of the season (October 1, 2010).
- RSV percent positivity* was 6% for the week ending November 6th, 2010.

* Percent positivity based on data from Oregon's RSV Laboratory Surveillance System (number of positive RSV tests ÷ number of RSV tests performed)

Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations are reported by hospitals in the Portland Tricounty area (Clackamas, Multnomah, and Washington Counties) for all ages. Patients must be admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, PCR, or serology. No influenza-associated hospitalizations have been reported since we began conducting official influenza surveillance this season. We encourage submissions of specimens to the Oregon State Public Health Laboratory for patients hospitalized with influenza-like illness in the Portland Tricounty area, even if rapid influenza tests are negative or have not been performed. To report an influenza-associated hospitalization in these three counties, please contact Kyle Ryff at 971-673-1111 or Kyle.R.Ryff@state.or.us.

Outpatient Influenza-like Illness (ILI)

ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network

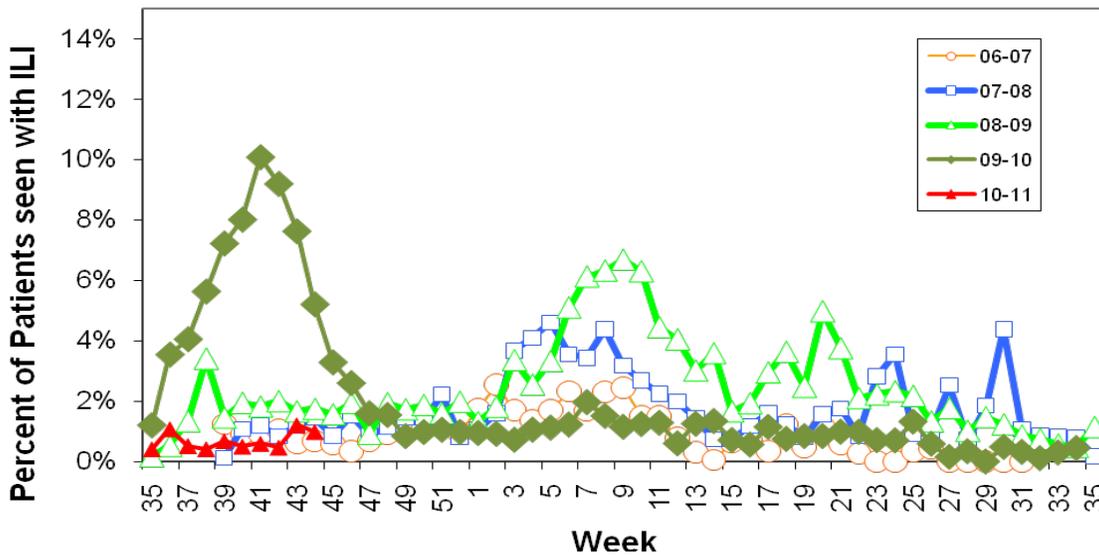
Oregon's outpatient influenza-like illness network is comprised of 30 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness (ILI) as well as total number of patient visits for each week during the surveillance season.

ILI is defined as fever ($\geq 100^{\circ}\text{F}$) and cough or sore throat. The number of patient visits and the percent of patients with ILI for the last 3 weeks are presented below. The average ILI reported during influenza weeks (defined as percent positive for influenza at the Oregon State Public Health Laboratory $>10\%$) over the previous three seasons is 3.52%. The percent

of outpatients seen with ILI was 1.21% and 0.99% for weeks 43 and 44, respectively, which is well below the seasonal average.

	Number of Patients Visits	Percent Patients with ILI	Number of Provider Reports
Week ending November 6 th	2515	0.99%	10
Week ending October 31 st	3460	1.21%	15
Week ending October 23 rd	7001	0.47%	14

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)

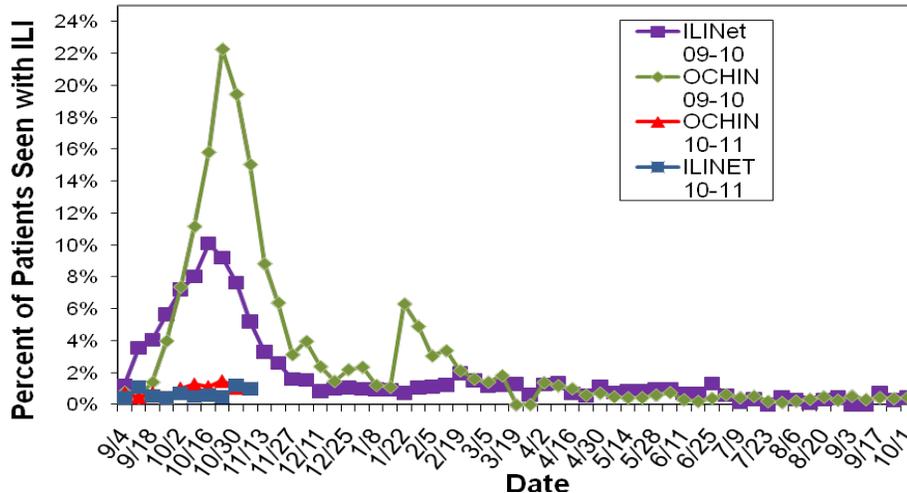


OCHIN Influenza-like Illness Surveillance

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 reports of ILI are one week behind our other syndromic surveillance system reports. The percent of OCHIN patients seen with ILI was 1.49% and 1.05% during weeks 42 and 43, respectively.

For a more detailed look at our Influenza Sentinel Provider Surveillance System data check out: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml#stats>.

Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



Laboratory Surveillance

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 (ILINet & Influenza Incidence Surveillance Project (IISP)).
- Patients hospitalized with influenza-like illness in the Portland Tricounty area (Multnomah, Clackamas and Washington counties) as part of a CDC-funded study. We encourage submission of specimens 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 oncall ACDP epidemiologist (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

Since the start of official influenza surveillance in week 39 (October 1, 2010), the OSPHL has not identified any influenza viruses; however there was one positive influenza specimen from a Washington County resident in Week 37 that was confirmed to be the 2009 H1N1 strain by the OSPHL.

For additional information on influenza testing guidelines for the 2010-11 season, please see: http://egov.oregon.gov/DHS/ph/acd/reporting/guideln/test_guideline2010.pdf

Additional resources:

For more information on seasonal and 2009 H1N1 influenza in Oregon please see: <http://www.flu.oregon.gov/>.

Oregon influenza surveillance: <http://egov.oregon.gov/DHS/ph/acd/flu/surveil.shtml>

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

FLU BITES

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

Published October 29, 2010



Summary

- Influenza activity remained low during Weeks 41-42 (October 10-23, 2010) in Oregon.
- No influenza virus activity was detected by culture or PCR at the Oregon State Public Health Laboratory during this time period.
- There have been no influenza-associated hospitalizations reported within the Portland Tricounty area since the beginning of the season (October 1, 2010).
- RSV percent positivity* increased slightly to 6%.

* Percent positivity based on data from Oregon's RSV Laboratory Surveillance System (number of positive RSV tests ÷ number of RSV tests performed)

Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations are reported by hospitals in the Portland Tricounty area (Clackamas, Multnomah, and Washington Counties) for all ages. Patients must be admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, PCR, or serology. No influenza-associated hospitalizations were reported during the second week of surveillance. We encourage submissions of specimens to the Oregon State Public Health Laboratory for patients hospitalized with influenza-like illness in the Portland Tri-county area, even if rapid influenza tests are negative or have not been performed. To report an influenza-associated hospitalization in these three counties, please contact Kyle Ryff at 971-673-1111 or Kyle.R.Ryff@state.or.us.

Outpatient Influenza-like Illness (ILI)

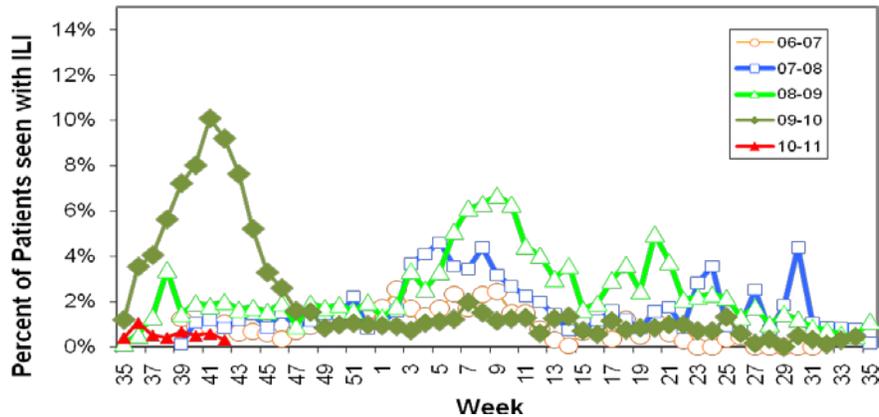
ILINet: Oregon's Outpatient Influenza-like Illness Surveillance Network

Oregon's outpatient influenza-like illness network is comprised of 30 voluntary healthcare providers from all across Oregon who report the number of patients with influenza-like illness (ILI) as well as total number of patient visits for each week during the surveillance season.

ILI is defined as fever ($\geq 100^{\circ}\text{F}$) and cough or sore throat. The number of patient visits and the percent of patients with ILI for the last 3 weeks are presented below. The average ILI reported during influenza weeks (defined as percent positive for influenza at the Oregon State Public Health Laboratory $> 10\%$) over the previous three seasons is 3.52%. For the week ending October 23rd, 2010, 0.32% of outpatients had ILI, which is well below the average of 3.52%.

	Number of Patients Visits	Percent Patients with ILI	Number of Provider Reports
Week ending October 23 rd	5944	0.32%	9
Week ending October 16 th	5007	0.60%	13
Week ending October 9 th	5962	0.50%	15

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)

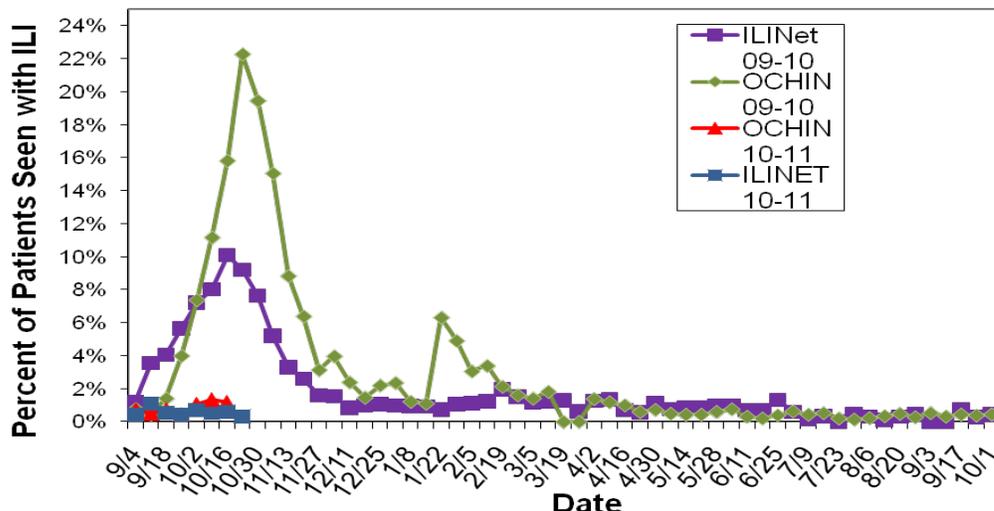


OCHIN Influenza-like Illness Surveillance

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 reports of ILI are one week behind our other syndromic surveillance system reports. The percent of OCHIN patients with ILI during the week ending October 16th was 1.18%.

For a more detailed look at our Influenza Sentinel Provider Surveillance System data check out: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml#stats>.

Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



Laboratory Surveillance

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 (ILINet & Influenza Incidence Surveillance Project (IISP)).
- Patients hospitalized with influenza-like illness in the Portland Tricounty area (Multnomah, Clackamas and Washington counties) as part of a CDC-funded study. We encourage submission of specimens 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 oncall ACDP epidemiologist (971-673-1111), who will then make decisions about the need for testing at the OSPHL.

Since the start of official influenza surveillance in week 39 (October 1, 2010), the OSPHL has not identified any influenza viruses; however there was one positive influenza specimen from a Washington County resident in Week 37 that was confirmed to be the 2009 H1N1 strain by the OSPHL.

For additional information on influenza testing guidelines for the 2010-11 season, please see: http://egov.oregon.gov/DHS/ph/acd/reporting/guideln/test_guideline2010.pdf

Additional resources:

For more information on seasonal and 2009 H1N1 influenza in Oregon please see:

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FLU BITES

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

Published October 15, 2010



Summary

No influenza virus activity was detected by culture or PCR during the first week of official influenza surveillance (Week 40: October 3-9, 2010); however there was one positive influenza specimen from a Washington County resident in Week 37 that was confirmed to be the 2009 H1N1 strain by the Oregon State Public Health Laboratory (OSPHL). Respiratory syncytial virus (RSV) activity in Oregon is low with 3% positivity*.

Since there is nothing else to report for this first week of surveillance, we're taking the opportunity to describe the different components of influenza and other respiratory virus surveillance in Oregon in this inaugural issue of FluBites.

As the season progresses respiratory data from OSPHL laboratory will be posted to:
<http://www.oregon.gov/DHS/ph/acd/flu/labflu.shtml#information>

* Percent positivity based on data from Oregon's RSV Laboratory Surveillance System (number of positive RSV tests ÷ number of RSV tests performed)

Laboratory-Confirmed Influenza Associated Hospitalizations

Laboratory-confirmed influenza-associated hospitalizations are reported by hospitals in the Portland Tri-county area (Clackamas, Multnomah, and Washington Counties) for all ages. Patients must be admitted to the hospital and have tested positive for influenza by rapid test, direct or indirect fluorescent antibody test, culture, PCR, or serology. No influenza-associated hospitalizations were reported during the first week of surveillance. We encourage submissions of specimens to the Oregon State Public Health Laboratory for patients hospitalized with influenza-like illness in the Portland Tri-county area, even if rapid influenza tests are negative or have not been performed. To report an influenza-associated hospitalization in these three counties, please contact Kyle Ryff at 971-673-1111 or Kyle.R.Ryff@state.or.us.

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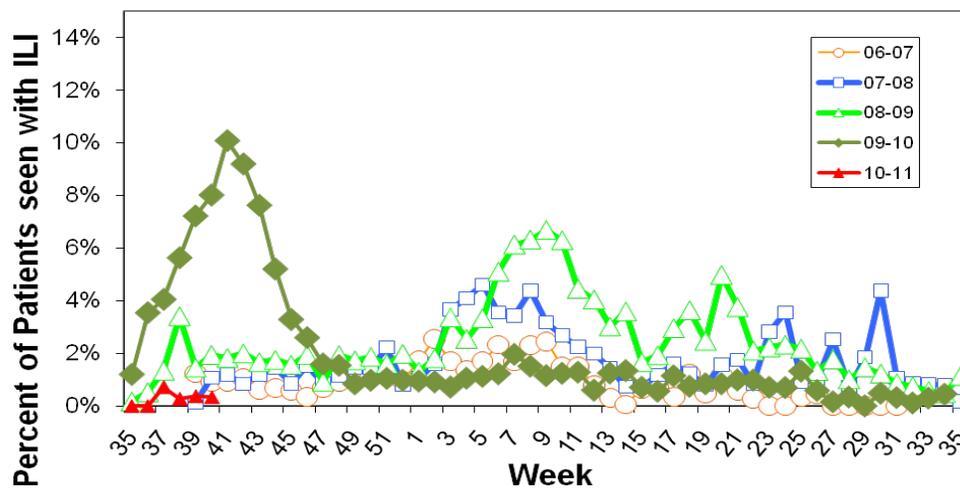
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ILI is defined as fever ($\geq 100^{\circ}\text{F}$) and cough or sore throat. The number of patient visits and the percent of patients with ILI for the last 3 weeks are presented below. The average ILI reported during influenza weeks (defined as percent positive for influenza at the Oregon State Public Health Laboratory $>10\%$) over the previous three seasons is 3.52%. For the week ending October 9th, 2010, 0.34% of outpatients had ILI, which is well below the average of 3.52%.

	Number of Patients Visits	Percent Patients with ILI	Number of Provider Reports
Week ending October 9th	2636	0.34%	8
Week ending October 2nd	2377	0.38%	8
Week ending September 25th	2141	0.28%	9

Oregon Outpatient Influenza-Like Illness Surveillance Network (ILINet)

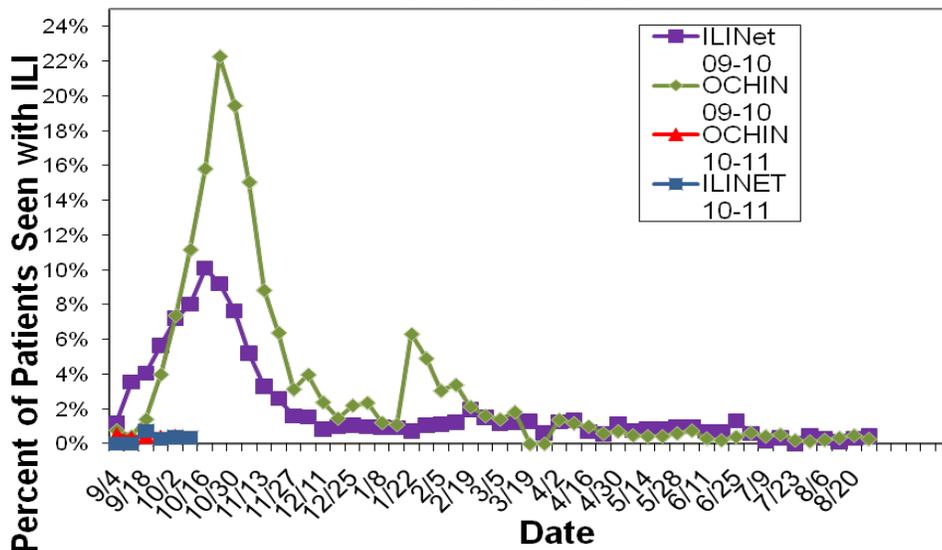


OCHIN Influenza-like Illness Surveillance

Oregon Public Health Division also receives discharge diagnoses data from OCHIN Inc., a fast-growing collaborative comprising 22 member organizations of federally qualified health centers (FQHC) and rural health centers in Oregon, representing 103 clinics throughout the state. OCHIN reports of ILI are one week behind our other syndromic surveillance system reports. The percent of OCHIN patients with ILI during the week ending October 2nd was 0.45%.

For a more detailed look at our Influenza Sentinel Provider Surveillance System data check out: <http://egov.oregon.gov/DHS/ph/acd/flu/flusurv.shtml#stats>.

Oregon Outpatient Influenza-Like Illness (ILI) Surveillance



Laboratory Surveillance

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- Patients identified as part of an outbreak of respiratory illness. Please report clusters of respiratory illness to the ACDP epidemiologist oncall (971-673-1111), who will then make decisions about the need for testing at the OSPHL

For additional information on influenza testing guidelines for the 2010-11 season, please see: http://egov.oregon.gov/DHS/ph/acd/reporting/guideln/test_guideline2010.pdf

Additional resources:

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