

Influenza Update: November 16, 2019

During the week ending November 16, 2019:

- There were no new influenza-related deaths and no new outbreaks reported this week. One death and three outbreaks at long-term care facilities have been reported this season (since 9/29/2019).
- Based on data from King County laboratories, rhinovirus was the most commonly identified respiratory pathogen, followed by parainfluenza and RSV. The percent of positive tests for respiratory viral pathogens was comparable to or below rates observed this time of year and below peak levels observed during the previous five seasons.
- The percent of visits to King County emergency departments (ED) for influenza-like illness (ILI) was below baseline levels, and below peak levels observed during the previous 5 influenza seasons. The magnitude of ED ILI visits relative to the total number of ED visits was highest among the pediatric population, but comparable to trends observed at this time of the year during each of the past 5 seasons.

At a glance

	<u>Week Ending</u> <u>11/16/2019</u>	<u>Since 09/29/2019</u>	<u>5-Year Average to</u> <u>Date</u>	
Laboratory-confirmed influenza deaths	0	1	0.6	
Respiratory disease outbreaks at long-term care facilities (LTCFs)	0	3	2	
Percentage positive influenza tests by PCR ¹	2.9%	Season Peak	2.9%	
Number of labs reporting	4	Weekly Average	6	
Number of specimens tested	623	Weekly Average	745	
Percentage of emergency department (ED) visits for ILI ²	1.61%	Season Peak	1.61%	5-Year Average to Date 1.28%

¹Based on King County hospital laboratory and sentinel provider submissions to CDC's National Respiratory and Enteric Virus Surveillance System (NREVSS).

NREVSS data not available for all previous seasons due to change in reporting procedures. Changes in facilities reporting to NREVSS may impact counts.

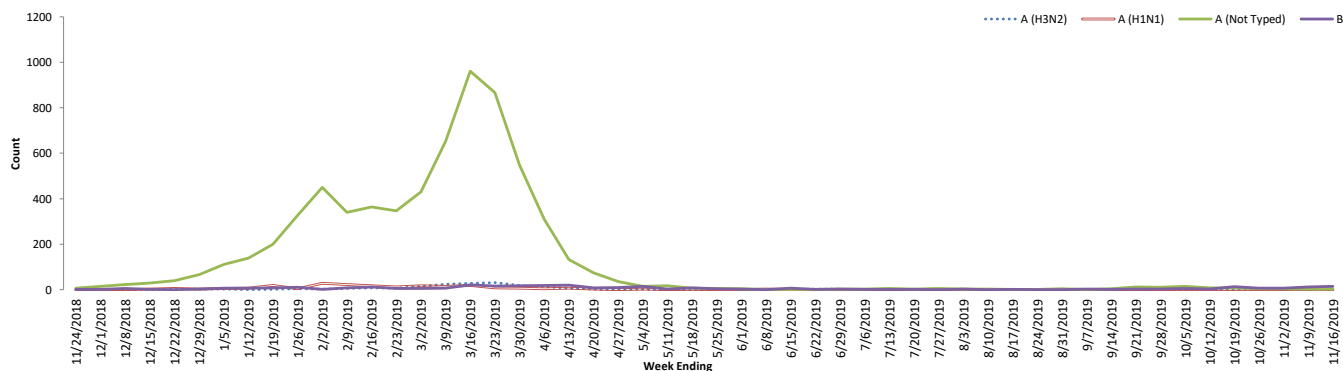
²Based on Public Health - Seattle & King County's syndromic surveillance data representing aggregate percent of visits to King County EDs.

Submissions to NREVSS by King County labs, PCR testing only

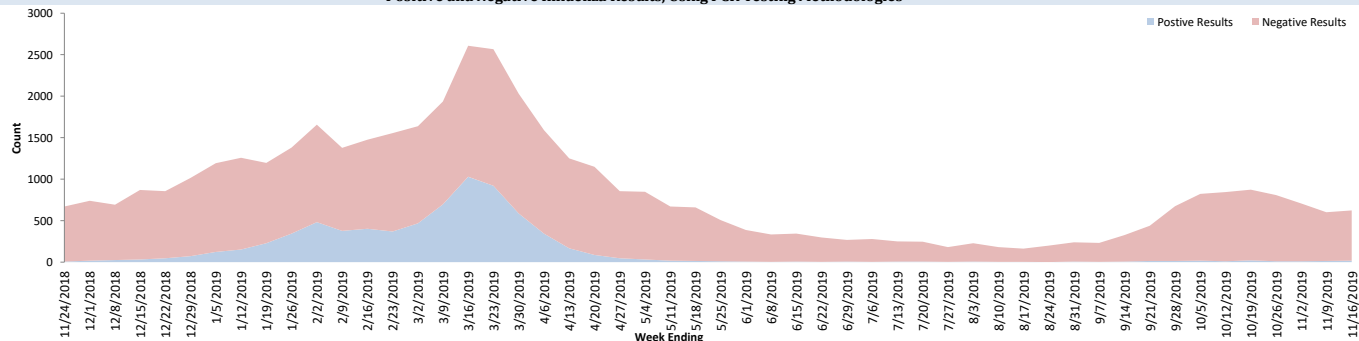
Week #	Week ending	# Labs reporting	A (H1N1)	A (H3N2)	A (Not typed)	B	# Tested	% Flu positive
43	10/26/2019	7	0	1	4	7	810	1.5%
44	11/2/2019	5	0	0	4	7	708	1.6%
45	11/9/2019	4	0	0	2	12	603	2.3%
46	11/16/2019	4	0	0	3	15	623	2.9%

Influenza results by subtype, PCR testing only (NREVSS)

Positive Influenza Results by Subtype, Using PCR Testing Methodologies



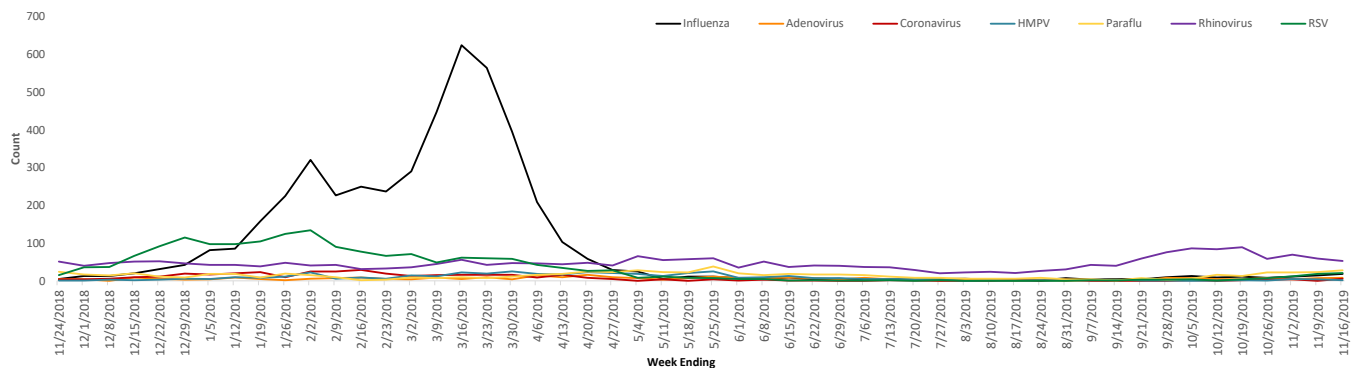
Positive and Negative Influenza Results, Using PCR Testing Methodologies



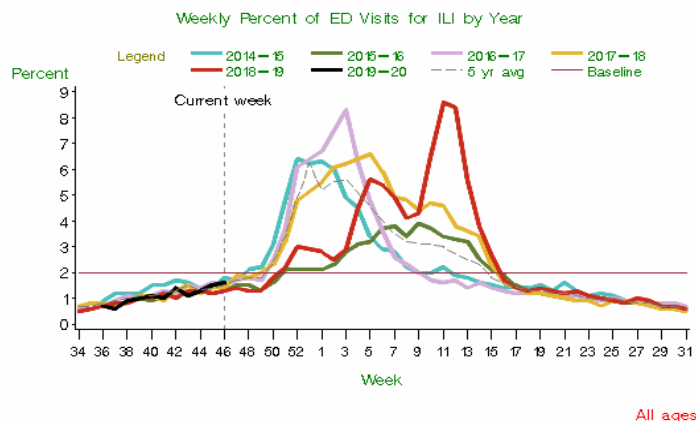
Public Health - Seattle & King County

Summary of Influenza Syndromic and Laboratory Surveillance

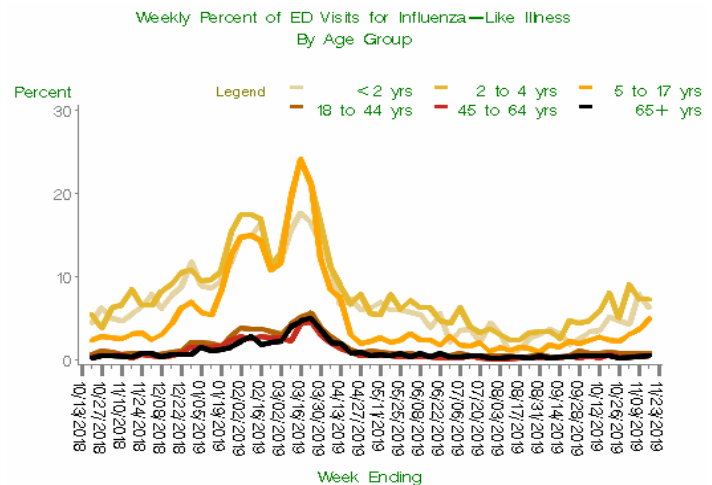
Influenza and other respiratory pathogens, PCR testing only (NREVSS)



King County syndromic surveillance



Note: The change from ICD-9 to ICD-10 codes in October 2015 may impact trends.
 Last updated Nov 17, 2019 ; 'current week' is week ending Nov 16, 2019
 Baseline: Mean % ILI during non-flu weeks for previous three seasons, adding two standard deviations.
 A non-flu week is a period of 2+ consecutive weeks where each one accounted for <2% of the season's total number of specimens that tested positive for influenza by PCR.



ALLHOSPITALS, Last Updated Nov 20, 2019

National data from CDC

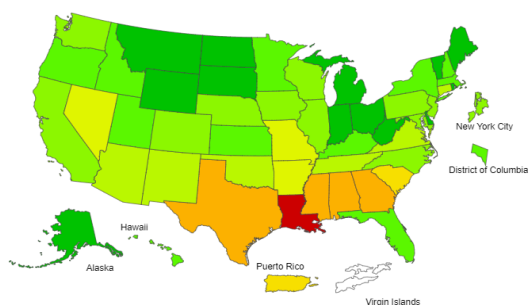
FLUVIEW



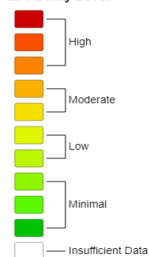
A Weekly Influenza Surveillance Report Prepared by the Influenza Division

Influenza-Like Illness (ILI) Activity Level Indicator Determined by Data Reported to ILINet

2019-20 Influenza Season Week 45 ending Nov 09, 2019



ILI Activity Level



*This map uses the proportion of outpatient visits to healthcare providers for influenza-like illness to measure the ILI activity level within a state. It does not, however, measure the extent of geographic spread of flu within a state. Therefore, outbreaks occurring in a single city could cause the state to display high activity levels.
 *Data collected in ILINet may disproportionately represent certain populations within a state, and therefore may not accurately depict the full picture of influenza activity for the whole state.
 *Data displayed in this map are based on data collected in ILINet, whereas the State and Territorial flu activity map are based on reports from state and territorial epidemiologists. The data presented in this map is preliminary and may change as more data is received.
 *Differences in the data presented by CDC and state health departments likely represent differing levels of data completeness with data presented by the state likely being the more complete.

Please report any of the following:

- Laboratory-Confirmed influenza-associated deaths
- Patients with novel or unsubtypeable influenza viruses
- Outbreaks of influenza-like illness in a long-term care facility

Reporting Timeframe

- Within 3 business days
- Immediately
- Immediately

Contact Information

- Phone: (206) 296-4774
- Fax: (206) 296-4803

Public Health
Seattle & King County



Additional Resources:

- [Additional King County Flu Information, Resources, and Surveillance](#)
- [UW Virology Laboratory Respiratory Virus Surveillance](#)
- [Washington State Influenza Surveillance Update](#)

- [National Influenza Update](#)
- [Global Influenza Update](#)

Report updated on 11/20/2019

Public Health - Seattle & King County

Summary of Influenza Deaths and Long-Term Care Facility (LTCF) Influenza Outbreaks

Confirmed cases as of week 46 (ending 11/16/19)													
	2019-2020		2018-2019		2017-2018		2016-2017		2015-2016		2014-2015		5-year avg
Influenza Deaths in Week 46	0		0		0		0		1		0		0.2
Influenza deaths, season to date (since 9/29/2019)	1		0		0		2		1		0		0.6
LTCF Outbreaks in Week 46	0		0		0		0		0		0		0.0
LTCF Outbreaks, season to date (since 9/29/2019)	3		1		1		7		1		0		2.0
	2019-2020		2018-2019		2017-2018		2016-2017		2015-2016		2014-2015		5-year avg
Total Seasonal LTCF Outbreaks	3		43		68		92		18		65		57.2
Flu type:													
A	2	67%	37	86%	15	22%	62	67%	7	39%	49	75%	34 59%
B	1	33%	0	0%	6	9%	3	3%	7	39%	4	6%	4 7%
A and B	0	0%	1	2%	5	7%	4	4%	0	0%	2	3%	2.4 4%
Info not available	0	0%	5	12%	42	62%	23	25%	4	22%	10	15%	16.8 29%
	2019-2020		2018-2019		2017-2018		2016-2017		2015-2016		2014-2015		5-year avg
Total Seasonal Influenza Deaths	1		52		50		84		16		43		49
Flu type:													
A	1	100%	48	92%	33	66%	75	89%	10	63%	40	93%	41.2 84%
H1/H1N1	0	0%	11	21%	1	2%	1	1%	6	38%	0	0%	3.8 8%
H3	0	0%	5	10%	6	12%	18	21%	1	6%	7	16%	7.4 15%
A (not typed)	1	100%	32	62%	26	52%	56	67%	3	19%	33	77%	30 61%
B	0	0%	2	4%	11	22%	7	8%	6	38%	3	7%	5.8 12%
Not typed	0	0%	2	4%	6	12%	1	1%	0	0%	0	0%	1.8 4%
Sex:													
Male	1	100%	27	52%	17	34%	41	49%	7	44%	17	40%	21.8 44%
Female	0	0%	25	48%	33	66%	43	51%	9	56%	26	60%	27.2 56%
Age:													
Under 5 years	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0 0%
5 - 17	0	0%	0	0%	0	0%	0	0%	0	0%	0	0%	0 0%
18 - 44	0	0%	1	2%	0	0%	1	1%	3	19%	1	2%	1.2 2%
45 - 64	0	0%	13	25%	7	14%	5	6%	5	31%	6	14%	7.2 15%
65+ years	1	100%	38	73%	43	86%	78	93%	8	50%	36	84%	40.6 83%
Average	85		73.6		81.1		81.9		64.9		81.7		76.6
Race:													
White	1	100%	35	67%	33	66%	54	64%	12	75%	35	81%	33.8 69%
Asian	0	0%	5	10%	2	4%	13	15%	2	13%	1	2%	4.6 9%
Black	0	0%	1	2%	3	6%	4	5%	2	13%	5	12%	3 6%
Amer Indian	0	0%	1	2%	0	0%	0	0%	0	0%	0	0%	0.2 0%
Hispanic/Latino	0	0%	2	4%	2	4%	3	4%	0	0%	1	2%	1.6 3%
Other	0	0%	0	0%	1	2%	1	1%	0	0%	1	2%	0.6 1%
Unknown	0	0%	8	15%	9	18%	9	11%	0	0%	0	0%	5.2 11%
Flu vaccine status													
Up to date	0	0%	16	31%	26	52%	39	46%	6	38%	21	49%	21.6 44%
Not up to date	1	100%	19	37%	10	20%	20	24%	8	50%	5	12%	12.4 25%
Unknown	0	0%	17	33%	14	28%	25	30%	2	13%	17	40%	15 31%
Report updated on 11/20/2019													