

Public Health - Seattle & King County  
Summary of Influenza Syndromic and Laboratory Surveillance

# Influenza Update: February 22, 2020

## During the week ending February 22, 2020:

- There were two new influenza-related deaths and one new outbreak reported this week. Twenty-seven deaths and 19 outbreaks at long-term care facilities have been reported this season (since 9/29/2019).
- Based on data from King County laboratories, influenza was the most commonly identified respiratory pathogen, followed by rhinovirus and RSV. The percent of positive tests for respiratory viral pathogens was below rates observed this time of year and below peak levels observed during the previous five seasons.
- For the week ending February 22nd, 2020, the percent of emergency department (ED) visits for influenza-like illness (ILI) was at or above baseline levels among all ages combined, but below peak levels observed during four of the previous five influenza seasons. Among every age group except adults ages 45 years and older, the percent of ED ILI visits overall this season is higher than observed during each of the previous 5 influenza seasons. The percent of ED ILI visits has been highest among pediatric age groups, peaking at or above four of the previous five influenza seasons. This season, the percent of admissions for influenza has been highest among adults ages 65 years and older, but below levels observed during each of the previous five influenza seasons.

## At a glance

	Week Ending 02/22/2020	Since 09/29/2019	5-Year Average to Date	
Laboratory-confirmed influenza deaths	2	27	28	
Respiratory disease outbreaks at long-term care facilities (LTCFs)	1	19	42	
Percentage positive influenza tests by PCR <sup>1</sup>	22.2%	Season Peak	25.1%	
Number of labs reporting	5	Weekly Average	8	
Number of specimens tested	1541	Weekly Average	1461	
Percentage of emergency department (ED) visits for ILI <sup>2</sup>	4.17%	Season Peak	6.75%	5-Year Average to Date 3.16%

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

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

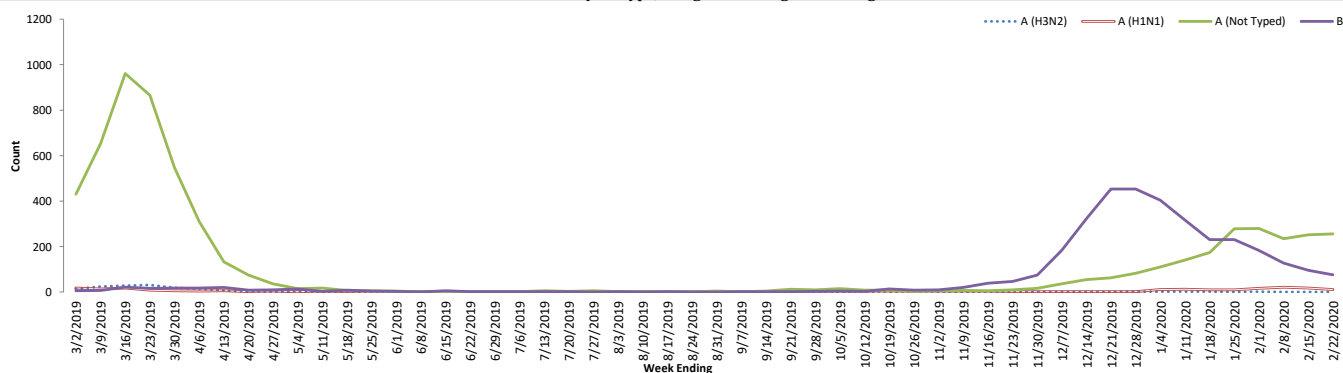
<sup>2</sup>Based on Public Health - Seattle & King County's syndromic surveillance data representing aggregate percent of visits to King County EDs.

## Submissions to NREVS by King County labs, PCR testing only

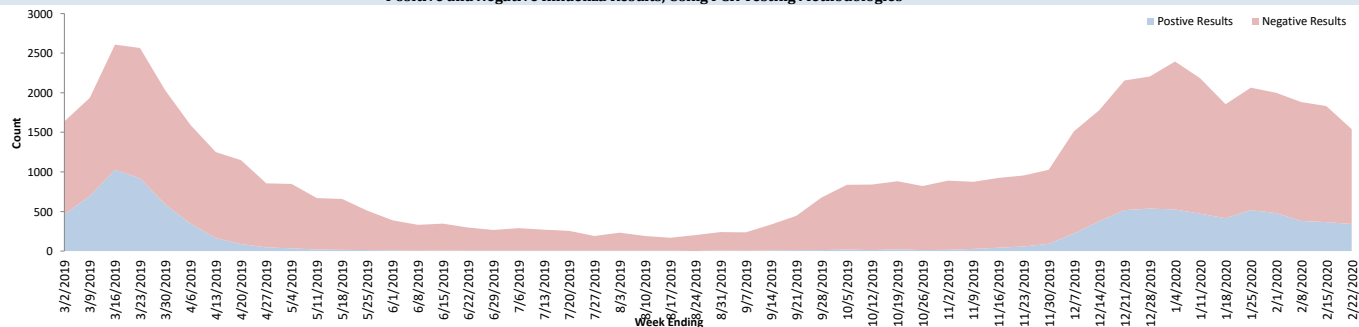
Week #	Week ending	# Labs reporting	A (H1N1)	A (H3N2)	A (Not typed)	B	# Tested	% Flu positive
5	2/1/2020	7	16	1	280	183	2000	24%
6	2/8/2020	7	21	0	234	127	1883	20.3%
7	2/15/2020	6	18	0	252	96	1834	20%
8	2/22/2020	5	11	0	255	76	1541	22.2%

## Influenza results by subtype, PCR testing only (NREVS)

Positive Influenza Results by Subtype, Using PCR Testing Methodologies



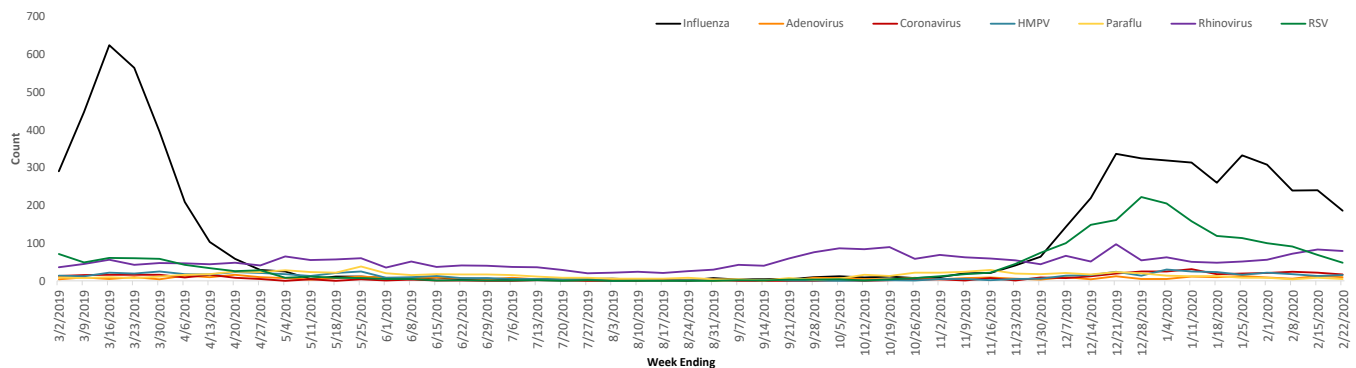
Positive and Negative Influenza Results, Using PCR Testing Methodologies



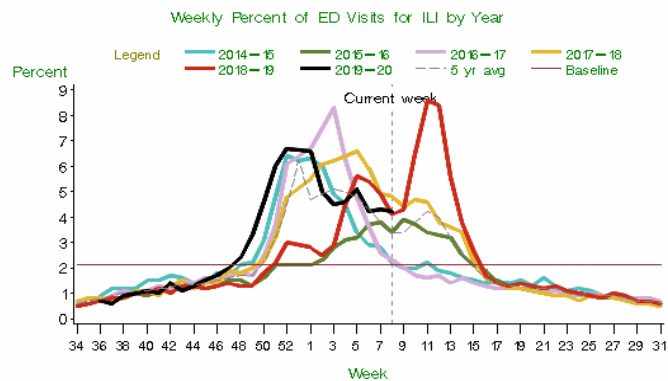
# Public Health - Seattle & King County

## Summary of Influenza Syndromic and Laboratory Surveillance

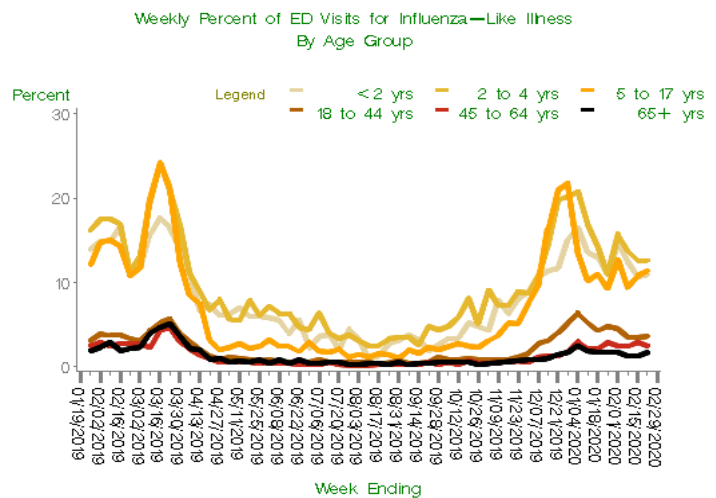
### Influenza and other respiratory pathogens, PCR testing only (NREVSS)



### King County syndromic surveillance



Note: The change from ICD-9 to ICD-10 codes in October 2015 may impact trends.  
 Last updated Feb 23, 2020 ; 'current week' is week ending Feb 22, 2020  
 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.

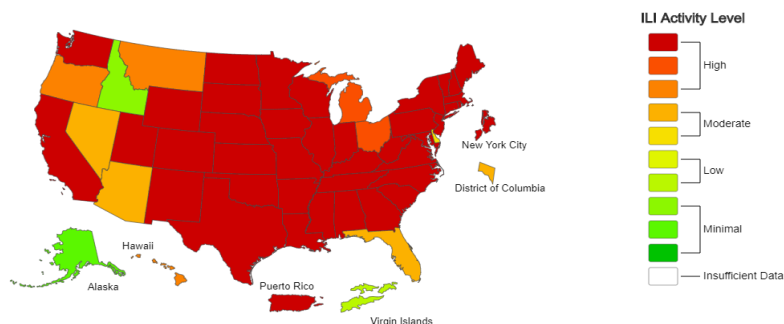


ALLHOSPITALS, Last Updated Feb 26, 2020

### National data from CDC



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 7 ending Feb 15, 2020



"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.  
 "For the data download you can use Activity Level for the number and Activity Level Label for the text description.

### 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 2/26/2020

# Public Health - Seattle & King County

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

Confirmed cases as of week 8 (ending 02/22/20)													
	2019-2020		2018-2019		2017-2018		2016-2017		2015-2016		2014-2015		5-year avg
Influenza Deaths in Week 8	2		1		2		3		1		0		1.4
Influenza deaths, season to date (since 9/29/2019)	27		9		27		67		6		31		28.0
LTCF Outbreaks in Week 8	1		5		4		2		0		0		2.2
LTCF Outbreaks, season to date (since 9/29/2019)	19		19		39		87		9		56		42.0
	2019-2020		2018-2019		2017-2018		2016-2017		2015-2016		2014-2015		5-year avg
Total Seasonal LTCF Outbreaks	19		43		68		92		18		65		57.2
Flu type:													
A	10	53%	37	86%	15	22%	62	67%	7	39%	49	75%	34 59%
B	4	21%	0	0%	6	9%	3	3%	7	39%	4	6%	4 7%
A and B	2	11%	1	2%	5	7%	4	4%	0	0%	2	3%	2.4 4%
Info not available	3	16%	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	27		52		50		84		16		43		49
Flu type:													
A	16	59%	48	92%	33	66%	75	89%	10	63%	40	93%	41.2 84%
H1/H1N1	7	26%	11	21%	1	2%	1	1%	6	38%	0	0%	3.8 8%
H3	1	4%	5	10%	6	12%	18	21%	1	6%	7	16%	7.4 15%
A (not typed)	8	30%	32	62%	26	52%	56	67%	3	19%	33	77%	30 61%
B	11	41%	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	16	59%	27	52%	17	34%	41	49%	7	44%	17	40%	21.8 44%
Female	10	37%	25	48%	33	66%	43	51%	9	56%	26	60%	27.2 56%
Age:													
Under 5 years	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0 0%
5 - 17	1	4%	0	0%	0	0%	0	0%	0	0%	0	0%	0 0%
18 - 44	3	11%	1	2%	0	0%	1	1%	3	19%	1	2%	1.2 2%
45 - 64	4	15%	13	25%	7	14%	5	6%	5	31%	6	14%	7.2 15%
65+ years	18	67%	38	73%	43	86%	78	93%	8	50%	36	84%	40.6 83%
Average	64.3		73.6		81.1		81.9		64.9		81.7		76.6
Race:													
White	15	56%	35	67%	33	66%	54	64%	12	75%	35	81%	33.8 69%
Asian	2	7%	5	10%	2	4%	13	15%	2	13%	1	2%	4.6 9%
Black	1	4%	1	2%	3	6%	4	5%	2	13%	5	12%	3 6%
Amer Indian	1	4%	1	2%	0	0%	0	0%	0	0%	0	0%	0.2 0%
Hispanic/Latino	2	7%	2	4%	2	4%	3	4%	0	0%	1	2%	1.6 3%
Other	1	4%	0	0%	1	2%	1	1%	0	0%	1	2%	0.6 1%
Unknown	5	19%	8	15%	9	18%	9	11%	0	0%	0	0%	5.2 11%
Flu vaccine status													
Up to date	10	37%	16	31%	26	52%	39	46%	6	38%	21	49%	21.6 44%
Not up to date	14	52%	19	37%	10	20%	20	24%	8	50%	5	12%	12.4 25%
Unknown	3	11%	17	33%	14	28%	25	30%	2	13%	17	40%	15 31%
Report updated on 2/26/2020													