Influenza Update: October 21, 2017

Influenza activity was observed to be below baseline levels in King County during week forty-two: there have been no reports of laboratory-confirmed influenza deaths or outbreaks in long-term care facilities. The proportion of emergency department visits was below baseline levels. The University of Washington Virology Laboratory data show low levels of parainfluenza, influenza A, as well as circulating rhinovirus.

At a glance

	Current week	Since Sep 25, 2017
Laboratory-confirmed influenza deaths	0	0
Percentage positive influenza tests by PCR[1]	2.3%	Season peak: 3.4%
Number of labs reporting	4	Weekly average: 4.75
Number of specimens tested	304	Weekly average: 389
Percentage of emergency department (ED) visits for ILI[2]	1.1%	Season peak: 1.1%
Respiratory disease outbreaks at long-term care facilities (LCTFs)	0	0
Laboratory-confirmed LTCF influenza outbreaks	0	0

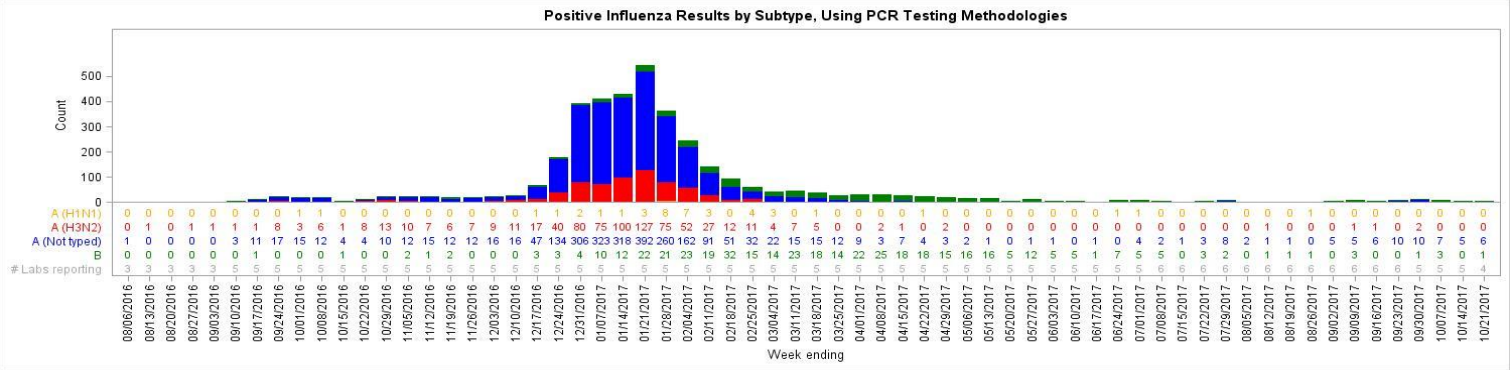
[1]Based on King County hospital laboratory and sentinel provider submissions to CDC's National Respiratory and Enteric Virus Surveillance System (NREVSS). NREVSS data not available for previous seasons due to change in reporting procedures.

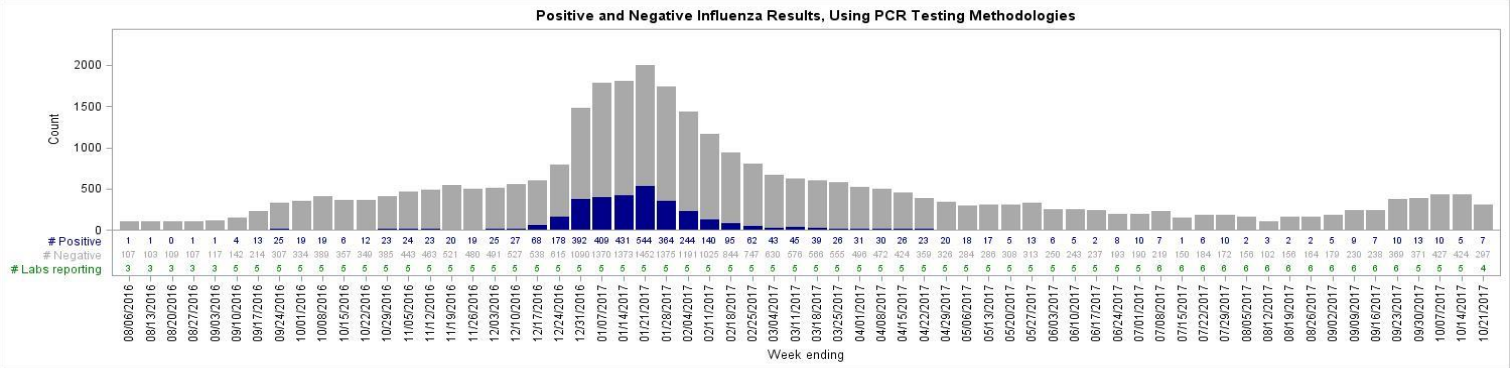
[2]Based on Public Health - Seattle & King County's syndromic surveillance data representing aggregate percent of visits to King County EDs.

Submissions to NREVSS by King County labs and sentinel providers

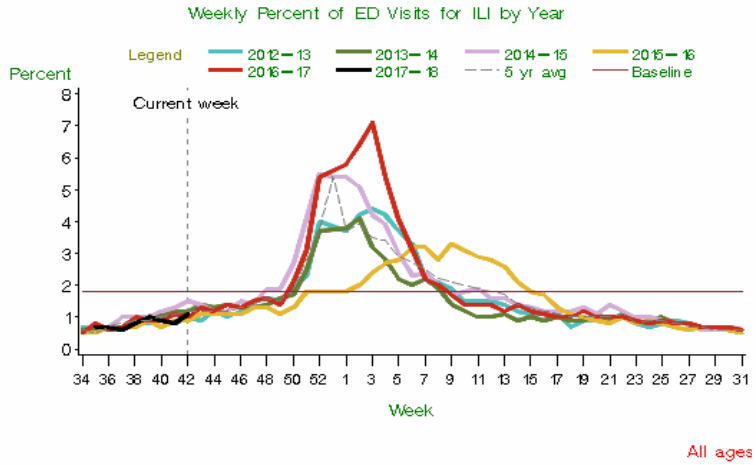
Week #	Week ending	Methodology	# Labs reporting	A (H1N1)	A (H3N2)	A (Not typed)	B	# Tested	% Flu positive
39	9/30/2017	AG	3	0	0	0	0	0	.
		PCR	5	0	2	10	1	384	3.4
		VI	2	0	0	0	1	19	5.3
40	10/7/2017	AG	3	0	0	0	0	0	.
		PCR	5	0	0	7	3	437	2.3
		VI	2	0	0	0	0	26	0
41	10/14/2017	AG	3	0	0	0	0	0	.
		PCR	5	0	0	5	0	429	1.2
		VI	2	0	0	0	0	23	0
42	10/21/2017	AG	3	0	0	0	0	0	.
		PCR	4	0	0	6	1	304	2.3
		VI	1	0	0	0	0	8	0

Methodologies: AG=Antigen; PCR=Polymerase Chain Reaction; VI=Viral Isolation

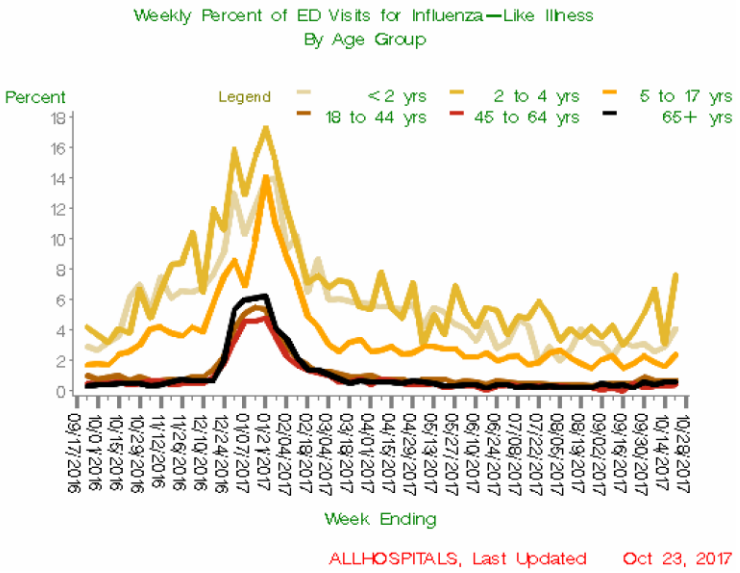




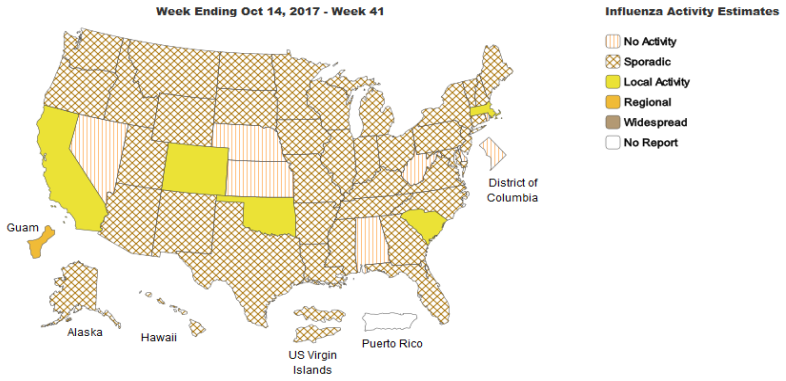
King County syndromic surveillance system

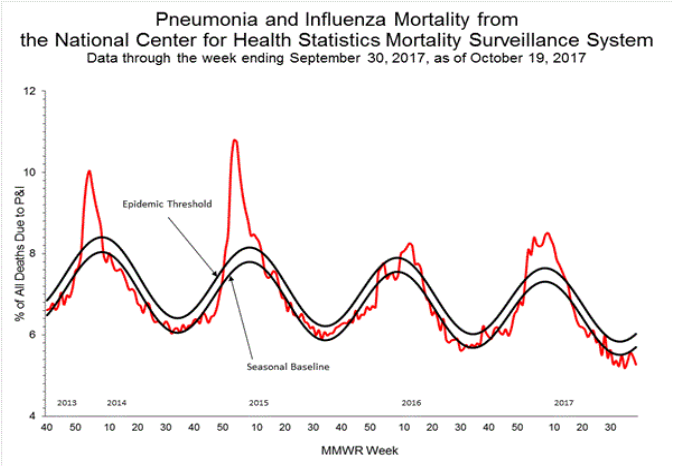


Note: The change from ICD–9 to ICD–10 codes in October 2015 may impact trends.
Last updated Oct 22, 2017 ; 'current week' is week ending Oct 21, 2017
Baseline: Mean % ILI during non–flu weeks for previous three seasons, adding two standard deviations.
Using rapid antigen data, a non–flu week is a period of 2+ consecutive weeks where each one accounted for <2% of the season's total number of specimens that tested positive for influenza.



National data from CDC





Please report any of the following:

	Reporting Timeframe
● Laboratory-confirmed influenza-associated deaths	Within 3 business days
● Patients with novel or unsubtypable influenza viruses	Immediately
● Outbreaks of influenza-like illness in a long-term care facility	Immediately

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

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

Public Health
Seattle & King County