

Laboratory Surveillance Report

Influenza (Week ending December 2, 2017)

Surveillance Data Synopsis

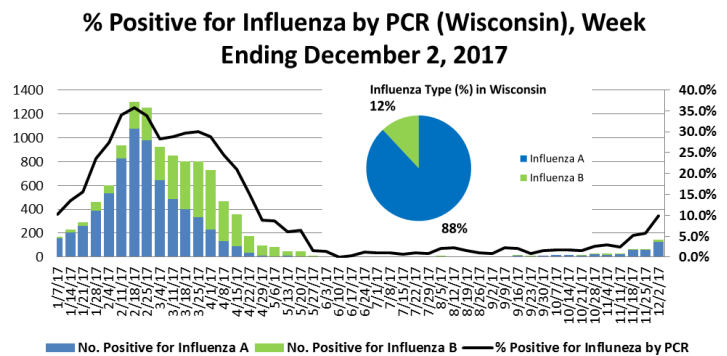
- Influenza activity is increasing with Flu A(H3) pre-dominating.
- Norovirus activity is increasing.
- Rhinovirus/enterovirus was the predominant respiratory virus reported.

National Influenza Update (CDC)

- Nationally, the CDC reported that 6.7% of the 20,143 surveillance specimens tested positive for influenza virus (A and B).
- Widespread influenza activity was reported in 7 states (AK, GA, LA, MA, MS, OK and VA).
- Five novel influenza viruses have been reported since October 1, 2017 from 5 states. All have been influenza variant virus infections (influenza viruses normally circulating in swine).

Wisconsin Influenza Update

- Influenza activity is increasing.
- 98% of the influenza A viruses tested were subtype H3 and 2% were seasonal H1.
- No antiviral resistance has been detected in influenza viruses tested at the WSLH this season.



To enhance surveillance activities for influenza viruses, the WSLH asks labs to please send:

1. A sampling of specimens from influenza-related hospitalizations (e.g. 1 per week).
2. Specimens that fail to subtype (Ct <35) if subtyping for 2009 pdmH1 and H3 were performed.

Surveillance Data-Wisconsin

Week Ending December 2, 2017

Resp. Pathogen PCR	# Tested	% Positive
Rhinovirus/enterovirus	572	13.1
Influenza	1476	9.8↑
Coronavirus	250	7.2↑
RSV	860	6.7↑
Parainfluenza	598	4.2
Adenovirus	250	2.0
Human metapneumovirus	625	1.4
<i>B. pertussis</i>	295	1.4

Respiratory

- Influenza, RSV and coronavirus activities are increasing in Wisconsin.

Gastropathogens

- Norovirus activity is increasing.
- Typically, gastrointestinal virus activity increases during the winter months.
- Please send a sampling of Rotavirus positive specimens to WSLH for further characterization.

Week Ending December 2, 2017

GI Pathogen PCR	# Tested	% Positive
EPEC	113	12.4
Norovirus	227	9.3↑
Salmonella	371	2.2
Campylobacter	321	1.9
Cryptosporidium	224	1.8
Giardia	186	1.6
Rotavirus	199	<1
Shigella	351	<1
STEC	329	<1
Sapovirus	113	<1
<i>E. coli</i> 0157	173	0