

Laboratory Surveillance Report

Influenza (Week ending November 18, 2017)

Surveillance Data Synopsis

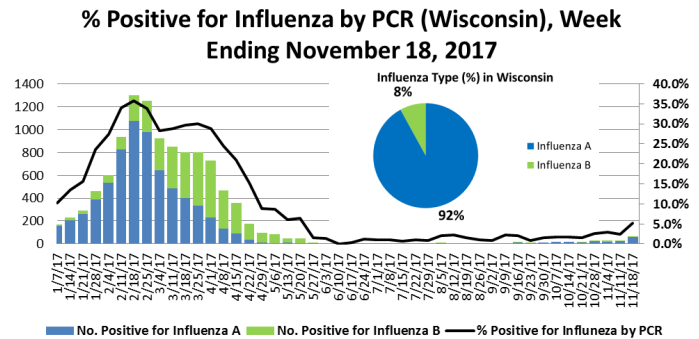
- **Influenza, RSV and Coronavirus activities are increasing.**
- **Norovirus activity is increasing.**
- **Rhinovirus/enterovirus was the predominant respiratory virus reported.**

National Influenza Update (CDC)

- Nationally, the CDC reported that 5.3% of the 15,584 surveillance specimens tested positive for influenza virus (A and B). This is an increase from the previous week (4.4% positivity).
- Widespread influenza activity was reported in 2 states (LA and OK). 20 states are reporting regional activity.
- The majority of circulating influenza viruses characterized at CDC are closely matched with the influenza vaccine component strains (>97% Flu A, Flu B-Victoria 66.7% and Flu B-Yamagata 100%).

Wisconsin Influenza Update

- Influenza activity is increasing.
- 100% of the influenza A viruses subtyped were H3.
- All of the influenza A viruses sequenced at WSLH this season belong to the genetic clade represented in the 2017-2018 vaccine.



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 November 11, 2017

Resp. Pathogen PCR	# Tested	% Positive
Rhinovirus/enterovirus	503	12.5↓
Parainfluenza	524	6.5
Influenza	1210	5.2↑
RSV	679	3.4↑
Coronavirus	251	3.2↑
Adenovirus	251	1.2
Human metapneumovirus	546	1.1
<i>B. pertussis</i>	255	2.7

Respiratory

- Rhinovirus/enterovirus was the predominant respiratory virus reported. However, activity is decreasing.
- Influenza, RSV and coronavirus activities are increasing.

Gastropathogens

- EPEC and Norovirus were the predominant gastropathogens reported.
- Please send a sampling of Rotavirus positive specimens to WSLH for further characterization.

Week Ending November 11, 2017

GI Pathogen PCR	# Tested	% Positive
EPEC	129	12.4
Norovirus	166	6.0↑
Campylobacter	341	3.2
Cryptosporidium	180	1.7
Rotavirus	174	1.1
Salmonella	341	<1
Giardia	180	<1
Shigella	139	<1
STEC	297	<1
<i>E. coli</i> O157	129	0
Sapovirus	129	0