

Laboratory Surveillance Report

Influenza (Week ending November 10, 2018)

Surveillance Data Synopsis

- **Rhinovirus/enterovirus was the predominant respiratory virus reported, but activity is decreasing.**
- **Influenza activity is sporadic.**
- **RSV and Parainfluenza virus activities are increasing.**

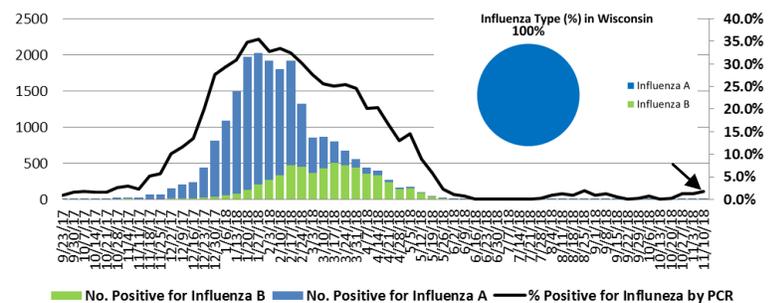
National Influenza Update (CDC)

- Nationally, the CDC reported that 1.2% of the 16,335 surveillance specimens tested positive for influenza virus. (A and B). 80.4% were influenza A and 19.6% were influenza B.
- 90.5% of the influenza A viruses subtyped by state public health laboratories were influenza A (H1N1) pdm2009 and 9.5% were influenza A (H3).

Wisconsin Influenza Update

- A total 1,044 specimens were tested by PCR with 1.8% positive for influenza.
- All of the positives were influenza A.
- Of those subtyped, 87.5% were influenza A (H1N1) pdm2009.
- Influenza activity is sporadic in Wisconsin.

% Positive for Influenza by PCR (Wisconsin), Week Ending November 10, 2018



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.

Other Surveillance Data-Wisconsin

Week Ending November 10, 2018

Resp. Pathogen PCR	# Tested	% Positive
Rhinovirus/enterovirus	482	16.6↓
Parainfluenza	500	6.6↑
RSV	621	3.2↑
Influenza	1,044	1.8
Coronavirus	199	1.0
Human Metapneumovirus	516	<1
Adenovirus	199	<1
<i>B. pertussis</i>	229	<1

Respiratory

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

Gastropathogens

- Norovirus and Campylobacter were the predominant gastro-pathogens reported by Wisconsin labs performing CIDT.
- Other gastropathogens reported included EPEC (7.4%), EAEC (1.4%), ETEC (<1%) and Adenovirus 40/41 (<1%).

Week Ending November 10, 2018

GI Pathogen PCR	# Tested	% Positive
Norovirus	231	4.3
Campylobacter	371	4.0
Giardia	179	1.7
Salmonella	371	1.6
Sapovirus	148	1.4
STEC	319	1.3
Cryptosporidium	179	0
Rotavirus	192	0
<i>E. coli</i> O157	148	<1
Shigella	302	0
Cyclospora	152	0