

Laboratory Surveillance Report

Influenza (Week ending September 29, 2018)

Surveillance Data Synopsis

- **Rhinovirus/enterovirus was the predominant respiratory virus reported.**
- **Parainfluenza virus activity is increasing.**
- **Influenza activity is sporadic.**

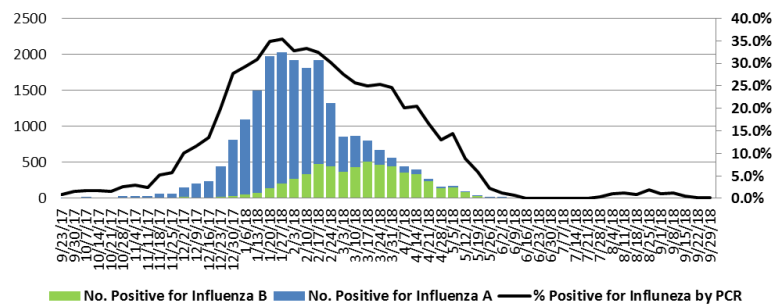
National Influenza Update (CDC)

- Nationally, the CDC reported that 0.8% of the 10,440 surveillance specimens tested positive for influenza virus. (A and B). Overall, activity is sporadic across the US.
- 57% of the influenza A viruses subtyped by state public health laboratories were influenza A (H1N1) pdm2009 and 43% were influenza A (H3).

Wisconsin Influenza Update

- A total of 2 specimens of the 863 tested (<1%) by PCR were positive for influenza virus. One was influenza A and the other was influenza B.
- Influenza activity is sporadic in Wisconsin.

% Positive for Influenza by PCR (Wisconsin), Week Ending September 29, 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 September 29, 2018

Resp. Pathogen PCR	# Tested	% Positive
Rhinovirus/enterovirus	443	29.3↑
Parainfluenza	462	3.2↑
Influenza	863	<1
Human metapneumovirus	482	<1
RSV	551	<1
Coronavirus	221	0
Adenovirus	221	0
<i>B. pertussis</i>	189	0

Respiratory

- Rhinovirus/enterovirus was the predominant respiratory virus reported.
- Parainfluenza virus activity is increasing.

Gastropathogens

- Norovirus, Cryptosporidium and EPEC were the predominant gastropathogens reported by Wisconsin labs performing culture independent diagnostic tests (CIDT).
- Other gastropathogens reported included EPEC (12%), ETEC (3%) and EAEC (1.7%).

Week Ending September 29, 2018

GI Pathogen PCR	# Tested	% Positive
Norovirus	193	4.1
Cryptosporidium	176	4.0
Campylobacter	372	2.2
STEC	341	2.1
Salmonella	395	2.0
<i>E. coli</i> 0157	121	1.7
Giardia	176	0
Rotavirus	171	0
Sapovirus	46	0
Shigella	259	0
Cyclospora	120	0