

Laboratory Surveillance Report

Influenza (Week ending October 13, 2018)

Surveillance Data Synopsis

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

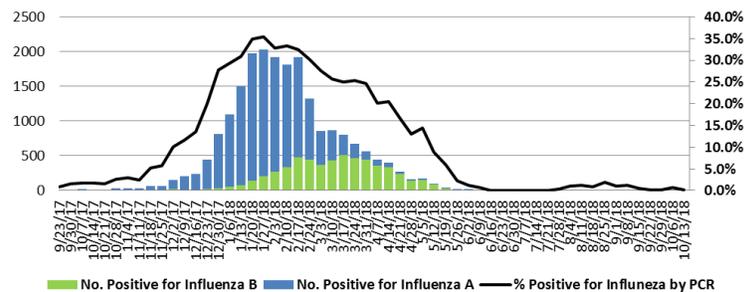
National Influenza Update (CDC)

- Nationally, the CDC reported that 0.8% of the 11,444 surveillance specimens tested positive for influenza virus. (A and B). Overall, activity is sporadic across the US.
- 77.8% of the influenza A viruses subtyped by state public health laboratories were influenza A (H1N1) pdm2009 and 22.2% were influenza A (H3).

Wisconsin Influenza Update

- A total of 1 specimen of the 832 tested (<1%) by PCR was positive (influenza A) and was subtyped as seasonal A (H1N1) pdm2009.
- No influenza B was reported.
- Influenza activity is sporadic in Wisconsin.

% Positive for Influenza by PCR (Wisconsin), Week Ending October 13, 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 October 13, 2018

Resp. Pathogen PCR	# Tested	% Positive
Rhinovirus/enterovirus	417	19.9
Parainfluenza	433	4.2↑
Influenza	832	<1
RSV	516	<1
Coronavirus	272	<1
Human Metapneumovirus	446	0
Adenovirus	221	0
<i>B. pertussis</i>	192	3.6

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 (7.3%), ETEC (<1%) and EAEC (2.6%).

Week Ending October 13, 2018

GI Pathogen PCR	# Tested	% Positive
Norovirus	253	5.5
Cryptosporidium	252	2.0
Campylobacter	420	1.7
STEC	370	<1
Salmonella	420	<1
Sapovirus	192	<1
Giardia	252	<1
Rotavirus	246	<1
<i>E. coli</i> O157	116	0
Shigella	297	0
Cyclospora	192	0