

Laboratory Surveillance Report

Influenza (Week ending October 19, 2019)

Surveillance Data Synopsis

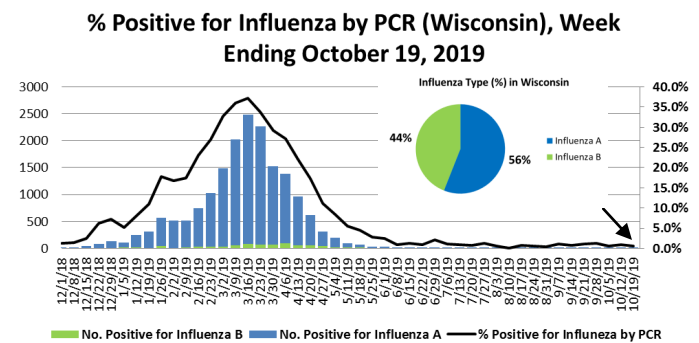
- **Rhinovirus/enterovirus were the predominant respiratory viruses reported. Activity is decreasing.**
- **Influenza activity is low.**
- **EPEC & Cryptosporidium were the most frequently reported gastro-pathogens.**

National Influenza Update (CDC)

- Nationally, the CDC reported that 2.4% of the 16,270 surveillance specimens tested positive for influenza virus (A & B). Overall, activity is low across the US.
- Influenza B accounted for the majority (68%) of the influenza positives reported by clinical labs.
- 66.7% of the influenza A viruses subtyped were seasonal A (H3N2).

Wisconsin Influenza Update

- Clinical labs reported a total of 9 specimens of the 1,684 tested (<1%) by PCR were positive for influenza virus (A & B).
- Of the 5 influenza A viruses subtyped, 100% were seasonal A (H3N2).
- Influenza activity is low in Wisconsin.



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. no more than 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 19, 2019

Resp. Pathogen PCR	# Tested	% Positive
Rhinovirus/enterovirus	516	21.5↓
Parainfluenza	526	3.6
Adenovirus	277	2.5↑
Influenza	1,684	<1
Human metapneumovirus	535	<1
RSV	734	<1
Coronavirus	277	<1
<i>B. pertussis</i>	307	<1

Respiratory

- Rhinovirus/enterovirus was the predominant respiratory virus reported. Activity is decreasing.
- Adenovirus activity is increasing.

Gastropathogens

- EPEC and Cryptosporidium were the predominant gastropathogens reported.
- Other gastropathogens reported included EPEC (12.6%), ETEC (<1%), EAEC (5.2%), *Y. enterocolitica* (<1%) and Adeno 40/41 (2.0%).

Week Ending October 19, 2019

GI Pathogen PCR	# Tested	% Positive
Cryptosporidium	202	5.0
Norovirus	237	3.8
Campylobacter	439	3.0
Giardia	202	2.5
Salmonella	425	<1
Sapovirus	174	<1
STEC	356	<1
<i>E. coli</i> O157	174	<1
Shigella	292	0
Rotavirus	219	0
Cyclospora	174	0