

Laboratory Surveillance Report

Influenza (Week ending September 23, 2017)

Surveillance Data Synopsis

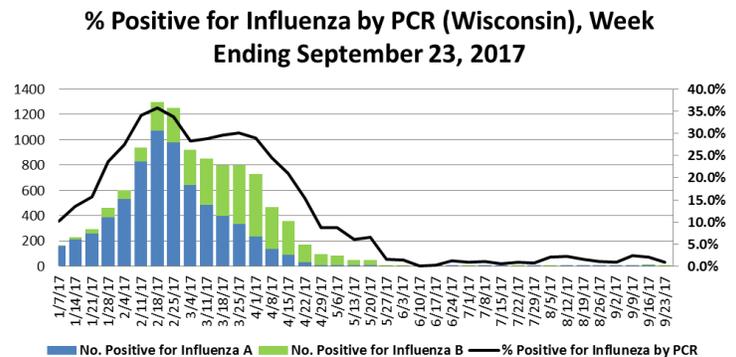
- **Rhinovirus/enterovirus was the predominant respiratory virus reported.**
- **EPEC and Cryptosporidium were the most frequently reported gastropathogens.**
- **Influenza activity is sporadic.**

National Influenza Update (CDC)

- Nationally, the CDC reported that 1.6% of the 9,511 surveillance specimens tested positive for influenza virus. (A and B). Overall, activity is sporadic across the US.
- Thirty-two novel influenza A variant (H3N2v) were reported from Delaware and Maryland last week. All 32 patients reported contact with swine. No cases of human transmission have been identified.

Wisconsin Influenza Update

- A total of 4 specimens of the 537 tested (<1%) by PCR were positive for influenza A (H3) virus.
- One influenza B (Yamagata) was detected.
- A total of 16 influenza A (H3) have been reported the past 3 weeks.



To enhance surveillance activities for influenza viruses, the WSLH asks labs to please send:

NEW

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 September 23, 2017

Resp. Pathogen PCR	# Tested	% Positive
Rhinovirus/enterovirus	354	29.9↑
Parainfluenza	369	2.7
Adenovirus	191	1.0
Coronavirus	191	<1
Influenza	537	<1
Human metapneumovirus	356	0
RSV	388	<1
<i>B. pertussis</i>	208	<1

Respiratory

- Rhinovirus/enterovirus was the predominant respiratory virus reported.
- Typically, rhinovirus/enterovirus activity peaks during the fall.

Gastropathogens

- Enteropathogenic *E. coli* (EPEC), *Cryptosporidium* and *Giardia* were the predominant gastropathogens reported by Wisconsin labs performing culture independent diagnostic tests (CIDT).

Week Ending September 23, 2017

GI Pathogen PCR	# Tested	% Positive
EPEC	97	15.5
<i>Cryptosporidium</i>	107	4.7
<i>Giardia</i>	107	2.8
Norovirus	159	2.5
<i>Campylobacter</i>	356	2.5
STEC	285	1.1
Rotavirus	202	<1
Salmonella	356	<1
Sapovirus	88	0
Shigella	177	0
<i>E. coli</i> O157	73	0