

Laboratory Surveillance Report

Influenza (Week ending September 15, 2018)

Surveillance Data Synopsis

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

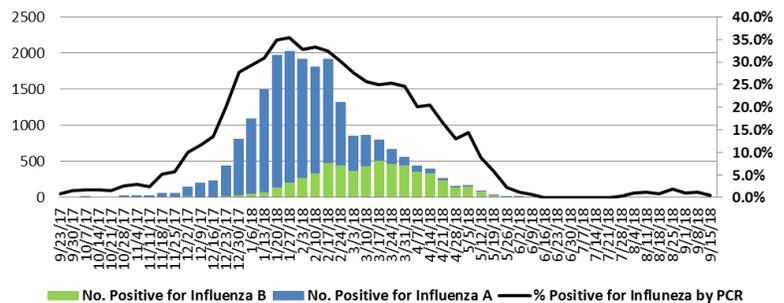
National Influenza Update (CDC)

- Nationally, the CDC reported that 0.6% of the 8,176 surveillance specimens tested positive for influenza virus. (A and B). Overall, activity is sporadic across the US.
- 50% of the influenza A viruses subtyped by state public health laboratories were influenza A (H1N1) pdm2009 and 50% were influenza A (H3).

Wisconsin Influenza Update

- A total of 3 specimens of the 571 tested (0.5%) by PCR were positive for influenza A virus. No subtyping information was available.
- One influenza B virus was reported.

% Positive for Influenza by PCR (Wisconsin), Week Ending September 15, 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 15, 2018

Resp. Pathogen PCR	# Tested	% Positive
Rhinovirus/enterovirus	369	25.2
Parainfluenza	376	2.7
Coronavirus	102	2.0
Adenovirus	193	1
Influenza	571	0.5
Human metapneumovirus	384	0
RSV	438	0
<i>B. pertussis</i>	130	2.3

Respiratory

- Rhinovirus/enterovirus was the predominant respiratory virus reported.
- 2 Mumps positives reported.

Gastro pathogens

- Cryptosporidium and EPEC were the predominant gastro pathogens reported by Wisconsin labs performing culture independent diagnostic tests (CIDT).
- Other gastro pathogens reported included EPEC (10%), ETEC (1.2%), Plesiomonas (2.5%) and EAEC (4.2%).

Week Ending September 15, 2018

GI Pathogen PCR	# Tested	% Positive
Cryptosporidium	175	4.6
Norovirus	184	3.8
STEC	276	3.6
Salmonella	404	3
Campylobacter	404	2.5
<i>E. coli</i> 0157	120	1.7
Giardia	175	0.6
Rotavirus	164	0
Sapovirus	46	0
Shigella	347	0
Cyclospora	120	0