

Laboratory Surveillance Report

Influenza (Week ending September 7, 2019)

Surveillance Data Synopsis

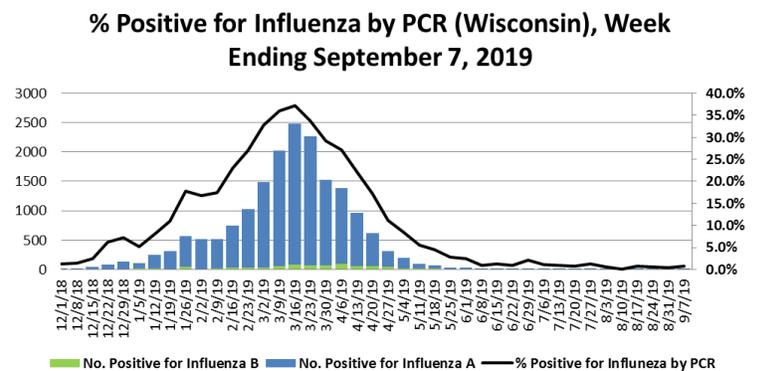
- **Rhinovirus/enterovirus was the predominant respiratory virus reported. Activity is increasing.**
- **Cryptosporidium and EPEC were the most frequently reported gastro pathogens.**

National Influenza Update (CDC)

- Nationally, the CDC reported that 3.5% of the 7,786 surveillance specimens tested positive for influenza virus. (A and B). Overall, activity is sporadic across the US.
- The majority of influenza A viruses (14 of 15) subtyped at public health labs have been influenza A (H3N2).

Wisconsin Influenza Update

- Clinical labs reported a total of 3 specimens of the 370 tested (<1%) by PCR were positive for influenza A and B viruses.
- Both of the influenza A viruses subtyped were seasonal A (H3N2).
- Influenza activity is sporadic 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. 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 7, 2019

Resp. Pathogen PCR	# Tested	% Positive
Rhinovirus/enterovirus	239	18.0↑
Parainfluenza	247	2.0
Adenovirus	160	1.3
Human metapneumovirus	253	<1
Influenza	363	<1
Coronavirus	160	0
RSV	269	0
<i>B. pertussis</i>	78	0

Respiratory

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

Gastro pathogens

- Cryptosporidium and EPEC were the predominant gastro pathogens reported by Wisconsin labs performing CIDs.
- Other gastro pathogens reported included EPEC (11.7%), ETEC (<1%), EAEC (3.6%), *P. shigelloides* (<1) and Astrovirus (<1%).

Week Ending September 7, 2019

GI Pathogen PCR	# Tested	% Positive
Cryptosporidium	156	3.8
Campylobacter	346	3.5
Salmonella	346	3.2↑
Norovirus	172	2.9↑
STEC	299	1.7
<i>E. coli</i> 0157	104	0
Giardia	156	<1
Cyclospora	111	0
Sapovirus	191	<1
Shigella	293	<1
Rotavirus	161	0