

Laboratory Surveillance Report

Influenza (Week ending August 24, 2018)

Surveillance Data Synopsis

• **Rhinovirus/enterovirus was the predominant respiratory virus reported.**

• **Cryptosporidium and EPEC were the most frequently reported gastro pathogens.**

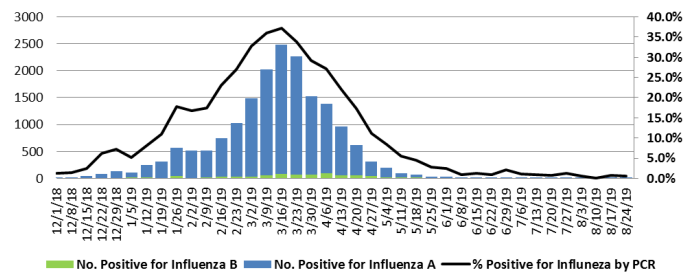
National Influenza Update (CDC)

- Nationally, the CDC reported that 2.8% of the 6,706 surveillance specimens tested positive for influenza virus. (A and B). Overall, activity is sporadic across the US.
- The majority of influenza viruses subtyped this summer at public health labs have been influenza A (H3N2).
- In the southern hemisphere (Australia), influenza A (H3N2) was predominant followed by influenza B viruses (WHO, 2019).

Wisconsin Influenza Update

- Clinical labs reported a total of 2 specimens of the 370 tested (<1%) by PCR were positive for influenza A virus.
- Influenza activity is sporadic in Wisconsin.

% Positive for Influenza by PCR (Wisconsin), Week Ending August 24, 2019



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

- A sampling of specimens from influenza-related hospitalizations (e.g. 1 per week).
- Specimens that fail to subtype (Ct <35) if subtyping for 2009 pdmH1 and H3 were performed.

Other Surveillance Data-Wisconsin

Week Ending August 24, 2019

Resp. Pathogen PCR	# Tested	% Positive
Rhinovirus/enterovirus	283	13.1
Parainfluenza	289	2.8
Coronavirus	121	<1
Adenovirus	121	<1
Influenza	370	<1
Human metapneumovirus	297	<1
RSV	317	0
<i>B. pertussis</i>	170	1.2

Respiratory

- Rhinovirus/enterovirus was the predominant respiratory virus reported.

Gastro pathogens

- Campylobacter and Salmonella sp. were the predominant gastro pathogens reported by Wisconsin labs performing culture independent diagnostic tests (CIDT).
- Other gastro pathogens reported included EPEC (12%), ETEC (2.8%), EAEC (4.2%) and Adeno 40/41 (2%).

Week Ending August 24, 2019

GI Pathogen PCR	# Tested	% Positive
Campylobacter	603	3.3
Salmonella	574	1.6
STEC	498	1.4
Cryptosporidium	363	1.4
Norovirus	350	<1
<i>E. coli</i> 0157	272	1.1
Giardia	355	<1
Cyclospora	331	<1
Sapovirus	191	<1
Shigella	483	<1
Rotavirus	339	0