

Laboratory Surveillance Report

Influenza (Week ending December 28, 2019)

Surveillance Data Synopsis

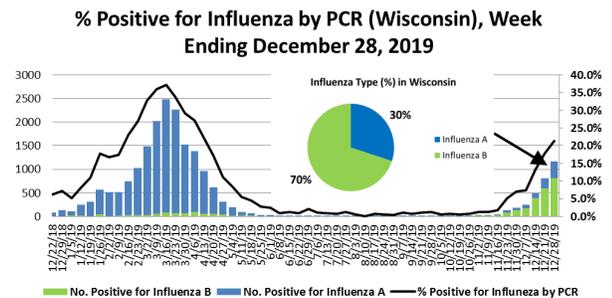
- **RSV & influenza were the predominant respiratory viruses reported.**
- **Influenza and RSV activities are increasing.**
- **Norovirus was the most frequently reported gastro-pathogen and activity is increasing.**

National Influenza Update (CDC)

- Nationally, the CDC reported that 26.3% of the 45,749 specimens tested positive for influenza. Influenza activity is widespread in 45 US states (including WI).
- Influenza B accounted for the majority (67.9%) of the influenza positives reported in the US.
- 91.3% of the influenza A viruses subtyped were seasonal (H1N1)pdm09.

Wisconsin Influenza Update

- Wisconsin clinical labs reported a total of 21.4% of the 5,433 specimens tested by PCR were positive for influenza virus (A & B).
- Influenza B (B/Victoria lineage) was the predominant influenza virus.
- Of the influenza A viruses subtyped at WSLH, the majority were seasonal H1N1 pdm09 (76.9%).



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 December 28, 2019

Resp. Pathogen PCR	# Tested	% Positive
RSV	1,746	24.1↑
Influenza	5,433	21.4↑
Rhinovirus/ Enterovirus	808	8.2
Coronavirus	388	5.2
Human metapneumovirus	821	5.1
Parainfluenza	800	3.6
Adenovirus	388	2.3
<i>B. pertussis</i>	481	1.9

Respiratory

- RSV and influenza were the predominant respiratory pathogens reported in Wisconsin.

Gastropathogens

- Other gastropathogens reported included EPEC (5.1%), EAEC (2.9%), *Y. enterocolitica* (<1%), Astrovirus (1.4%) and Adeno 40/41 (<1%).
- **Please send WSLH a sampling of rotavirus positive specimens (e.g. 1 per week).*

Week Ending December 28, 2019

GI Pathogen PCR	# Tested	% Positive
Norovirus	288	27.1↑
Sapovirus	140	4.3
Campylobacter	446	2.5
Salmonella	446	<1
STEC	396	<1
Giardia	287	<1
Cryptosporidium	287	<1
Rotavirus	262	<1
<i>E. coli</i> O157	201	0
Shigella	316	0
Cyclospora	140	0