

Laboratory Surveillance Report

Influenza (Week ending January 25, 2020)

Surveillance Data Synopsis

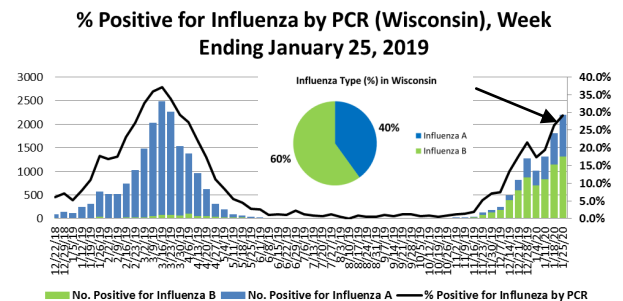
- Influenza and RSV were the predominant respiratory viruses reported.
- Influenza activity is near peak levels.
- Influenza B remains predominant influenza type in Wisconsin.
- Norovirus was the most frequently reported gastropathogen.

National Influenza Update (CDC)

- Nationally, the CDC reported that 27.7% of the 45,949 specimens tested positive for influenza. The percentage of influenza positive PCR tests increased from 25.7% last week.
- Influenza B accounted for the majority (50.2%) of the influenza positives reported in the US.
- 96.1% of the influenza A viruses subtyped were seasonal (H1N1)pdm09.

Wisconsin Influenza Update

- Wisconsin labs reported a total of 29.2% of the 7,549 specimens tested by PCR were positive for influenza virus (A & B).
- Influenza B (B/Victoria lineage) was the predominant influenza virus (60%).
- Of the influenza A viruses subtyped at WSLH, the majority (>99%) were seasonal H1N1 pdm09.



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 January 25, 2020

Resp. Pathogen PCR	# Tested	% Positive
Influenza	7,549	29.2
RSV	2,508	17.5
Human metapneumovirus	1,035	7.8
Rhinovirus/ Enterovirus	981	5.0
Seasonal coronavirus	492	2.6
Parainfluenza	1,000	1.8
Adenovirus	492	1.4
<i>B. pertussis</i>	328	1.2

Respiratory

- Influenza followed by RSV were the predominant respiratory pathogens reported in Wisconsin.

Gastropathogens

- Other gastropathogens reported included EPEC (2.9%), EAEC (4.6%), ETEC (<1%), Astrovirus (1.1%) and Adeno 40/41 (1.9%).
- *Please send WSLH a sampling of rotavirus positive specimens (e.g. 1 per week).

Week Ending January 25, 2020

GI Pathogen PCR	# Tested	% Positive
Norovirus	290	15.2
Campylobacter	442	1.4
Sapovirus	175	<1
Salmonella	442	<1
STEC	373	<1
Giardia	211	<1
Cryptosporidium	211	<1
Rotavirus	257	<1
<i>E. coli</i> O157	173	0
Shigella	303	<1
Cyclospora	175	0