

Laboratory Surveillance Report

Influenza (Week ending January 11, 2020)

Surveillance Data Synopsis

- **Influenza and RSV were the predominant respiratory viruses reported.**
- **Influenza A is now the predominant influenza virus in the US. Influenza B remains predominant in Wisconsin.**
- **Norovirus was the most frequently reported gastro-pathogen.**

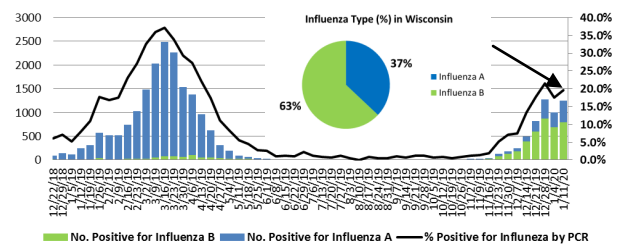
National Influenza Update (CDC)

- Nationally, the CDC reported that 22.9% of the 40,451 specimens tested positive for influenza. Influenza activity decreased for the second consecutive week, but remains widespread in 48 US states (including WI).
- Influenza A accounted for the majority (50.4%) of the influenza positives reported in the US. In previous weeks, influenza B was predominant.
- 93.3% of the influenza A viruses subtyped were seasonal (H1N1)pdm09.

Wisconsin Influenza Update

- Wisconsin labs reported a total of 19.6% of the 6,376 specimens tested by PCR were positive for influenza virus (A & B).
- Influenza B (B/Victoria lineage) was the predominant influenza virus (63%).
- Of the influenza A viruses subtyped at WSLH, the majority (80%) were seasonal H1N1 pdm09.

% Positive for Influenza by PCR (Wisconsin), Week Ending January 11, 2019



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 11, 2020

Resp. Pathogen PCR	# Tested	% Positive
Influenza	6,376	19.6
RSV	1,959	18.4
Human metapneumovirus	890	7.9
Coronavirus	472	5.9
Rhinovirus/ Enterovirus	774	4.8
Parainfluenza	863	1.9
Adenovirus	472	1.9
<i>B. pertussis</i>	399	0

Respiratory

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

Gastropathogens

- Other gastropathogens reported included EPEC (4.1%), EAEC (4.6%), ETEC (1.5%), Astrovirus (<1%) and Adeno 40/41 (1.1%).
- **Please send WSLH a sampling of rotavirus positive specimens (e.g. 1 per week).*

Week Ending January 11, 2020

GI Pathogen PCR	# Tested	% Positive
Norovirus	364	17.9↓
Sapovirus	195	3.6
Campylobacter	488	3.3
Salmonella	489	1.6
STEC	404	<1
Giardia	213	<1
Cryptosporidium	213	<1
Rotavirus	317	0
<i>E. coli</i> O157	199	0
Shigella	373	0
Cyclospora	195	0