

Laboratory Surveillance Report

Influenza (Week ending December 16, 2017)

Surveillance Data Synopsis

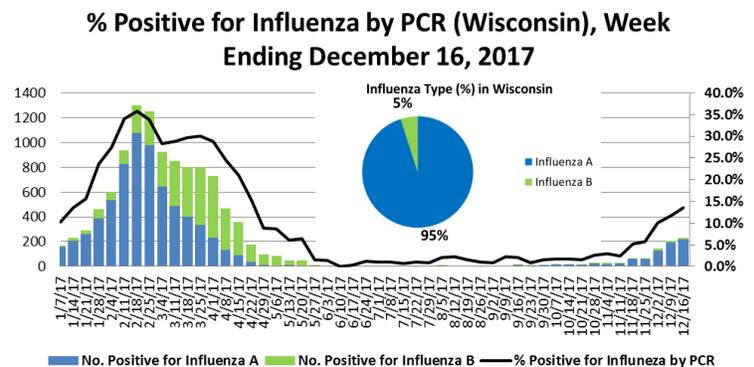
- Influenza activity is widespread.
- Norovirus activity is increasing.
- Influenza A (H3) is the predominant influenza strain circulating.

National Influenza Update (CDC)

- Nationally, the CDC reported that 14% of the 23,607 surveillance specimens tested positive for influenza virus (A and B).
- No antiviral resistance to the neuraminidase inhibitor drugs has been detected in circulating strains this season.
- Influenza A (H3) is the predominant influenza strain circulating in the US.

Wisconsin Influenza Update

- Influenza activity is widespread.
- 95% of the influenza viruses reported were influenza A.
- Influenza A (H3) was the predominant subtype detected 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.

Surveillance Data-Wisconsin

Week Ending December 16, 2017

Resp. Pathogen PCR	# Tested	% Positive
Influenza	1728	14.6↑
Coronavirus	378	11.4↑
RSV	968	11.0↑
Rhinovirus/enterovirus	703	9.0↓
Parainfluenza	735	3.7
Human metapneumovirus	766	1.8
Adenovirus	378	<1
<i>B. pertussis</i>	360	3.9

Respiratory

- Influenza, RSV and coronavirus activities are increasing in Wisconsin.

Gastropathogens

- Norovirus activity is increasing.
- Norovirus was the predominant gastropathogen reported. Other viruses reported included Sapovirus (3.4%), Astrovirus (2.5%) and Adenovirus 40/41 (1.2%).
- Please send a sampling of Rotavirus positive specimens to WSLH.

Week Ending December 16, 2017

GI Pathogen PCR	# Tested	% Positive
Norovirus	202	20.3↑
EPEC	119	4.2
Sapovirus	119	3.4
Salmonella	354	1.7
Campylobacter	354	1.1
Giardia	159	<1
STEC	309	<1
Shigella	212	0
Cryptosporidium	159	0
Rotavirus	169	0
<i>E. coli</i> 0157	119	0