

Laboratory Surveillance Report

Influenza (Week ending February 24, 2018)

Surveillance Data Synopsis

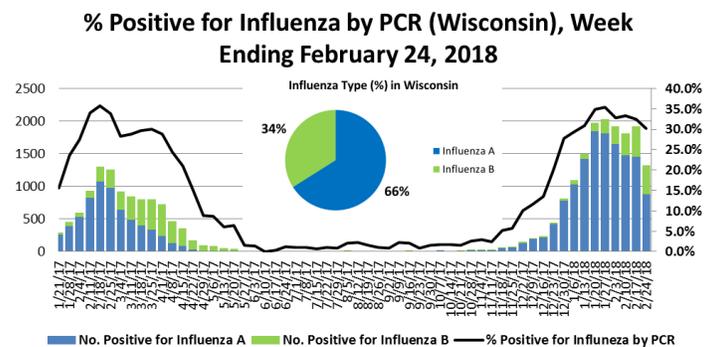
- Overall, influenza activity continues to decrease in Wisconsin, but remains at high levels across the state.
- Influenza B activity is increasing.
- RSV activity remains high.

National Influenza Update (CDC)

- Nationally, the CDC reported that 21.6% of the 64,312 surveillance specimens tested positive for influenza virus (A and B). Overall, activity is decreasing.
- The majority of recently circulating influenza viruses were subtype H3N2 (80%). 2009 H1N1 accounted for 20% of the positives.
- Widespread activity was reported in 45 states. The hospitalization rate was 81.7 per 100,000 exceeding the rate from the 2016-2017 season.

Wisconsin Influenza Update

- Influenza A (H3N2) was the predominant respiratory virus.
- Influenza B activity is increasing to 34% of the total influenza viruses reported.
- No influenza antiviral resistance has been 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 February 24, 2018

Resp. Pathogen PCR	# Tested	% Positive
Influenza	4383	30.2↓
RSV	1698	12.5
Human metapneumovirus	933	7.1↑
Rhinovirus/enterovirus	882	4.4
Coronavirus	505	1.8↓
Adenovirus	505	<1
Parainfluenza	910	<1
<i>B. pertussis</i>	293	1.0

Respiratory

- Influenza activity is widespread in Wisconsin. However, overall activity has begun to decrease.
- RSV activity remains high.
- Human metapneumovirus activity is increasing.

Gastropathogens

- Norovirus was the predominant gastropathogen reported.
- Please send a sampling of Rotavirus positive specimens to WSLH.

Week Ending February 24, 2018

GI Pathogen PCR	# Tested	% Positive
Norovirus	200	14.0
EPEC	128	3.9
Campylobacter	384	3.4
Giardia	169	2.4
Sapovirus	128	1.6
Salmonella	384	1.3
Cryptosporidium	169	1.2
Rotavirus	193	1.0
Shigella	313	<1
STEC	287	<1
<i>E. Coli</i> 0157	171	0