

# Laboratory Surveillance Report

## Influenza (Week ending February 10, 2018)

### Surveillance Data Synopsis

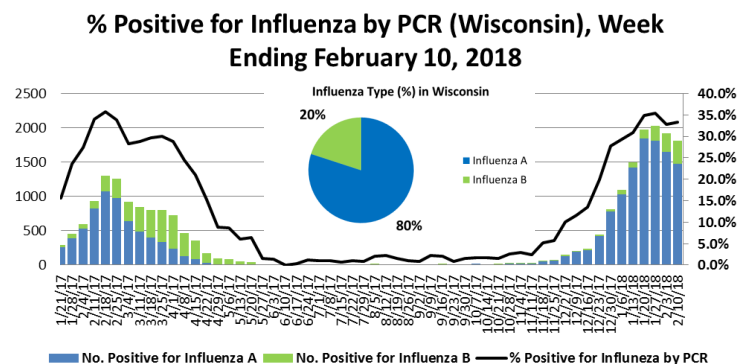
- Overall, influenza activity has begun to decrease in Wisconsin, but is still widespread and at high levels across the state.
- Influenza B activity is increasing.
- Human metapneumovirus activity is increasing.

### National Influenza Update (CDC)

- Nationally, the CDC reported that 26.5% of the 64,312 surveillance specimens tested positive for influenza virus (A and B). Influenza activity remains high.
- The majority of recently circulating influenza viruses are subtype H3N2 (78%).
- Widespread activity was reported in 48 states. This level of activity has been reported since the first week in January across the US.

### Wisconsin Influenza Update

- 80% of the influenza viruses reported were influenza A.
- Influenza B activity is increasing with 20% of the total influenza viruses reported.
- No antiviral resistance has been detected in Wisconsin influenza surveillance specimens this season.



### 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 10, 2018

Resp. Pathogen PCR	# Tested	% Positive
Influenza	5418	33.4↓
RSV	1912	13.1
Human metapneumovirus	1043	6.1↑
Coronavirus	556	4.5↓
Rhinovirus/enterovirus	986	4.2
Adenovirus	556	1.8
Parainfluenza	1016	<1
<i>B. pertussis</i>	322	<1

### 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 10, 2018

GI Pathogen PCR	# Tested	% Positive
Norovirus	244	17.6
EPEC	143	4.2
Sapovirus	146	2.1
Campylobacter	380	1.8
Shigella	253	1.2
STEC	322	<1
Rotavirus	207	<1
Cryptosporidium	184	<1
Salmonella	380	0
Giardia	184	0
E. Coli 0157	143	0