

# Laboratory Surveillance Report

## Influenza (Week ending January 13, 2018)

### Surveillance Data Synopsis

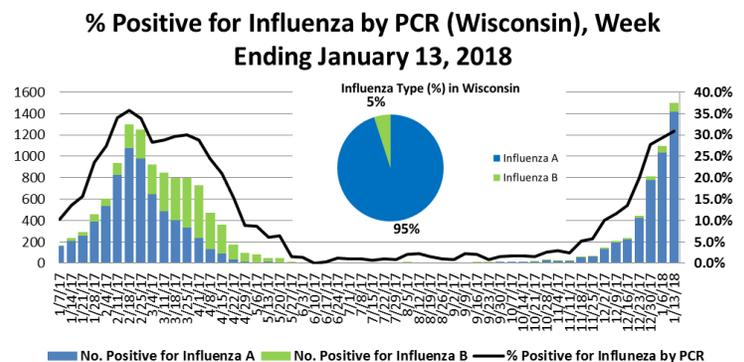
- **Influenza activity is widespread throughout the US.**
- **Norovirus activity is at high seasonal levels.**
- **RSV is nearing peak levels.**
- **Influenza A (H3N2) is the predominant subtype.**

### National Influenza Update (CDC)

- Nationally, the CDC reported that 25.6% of the 50,435 surveillance specimens tested positive for influenza virus (A and B).
- The majority of recently circulating influenza viruses are susceptible to the neuraminidase inhibitor antiviral medications, oseltamivir, zanamivir, and peramivir; however, rare sporadic instances of resistance have occurred.
- Widespread activity was reported in 49 states.

### Wisconsin Influenza Update

- 95% of the influenza viruses reported were influenza A.
- Influenza A (H3) was the predominant subtype detected (85%) in Wisconsin. 15% of those subtyped were 2009 pdmH1.



### 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 January 13, 2018

Resp. Pathogen PCR	# Tested	% Positive
Influenza	4850	30.9↑
RSV	1770	13.7↑
Coronavirus	519	6.7↓
Human metapneumovirus	1134	3.2
Rhinovirus/enterovirus	1070	2.7↓
Parainfluenza	1102	1.2
Adenovirus	519	<1
<i>B. pertussis</i>	402	<1

### Respiratory

- Influenza and RSV are near peak levels in Wisconsin.
- Influenza activity is widespread in Wisconsin.

### Gastropathogens

- Norovirus was the predominant gastropathogen reported with 20.7% of the specimens testing positive.
- Please send a sampling of Rotavirus positive specimens to WSLH.

### Week Ending January 13, 2018

GI Pathogen PCR	# Tested	% Positive
Norovirus	227	20.7
EPEC	119	5.9
Campylobacter	403	4.0
Rotavirus	177	2.8
Salmonella	402	2.5
STEC	337	2.1
Shigella	348	2.0
Sapovirus	119	1.7
Giardia	162	<1
Cryptosporidium	162	0
<i>E. coli</i> 0157	119	0