

Laboratory Surveillance Report

Influenza (Week ending December 31, 2016)

Surveillance Data Synopsis

- Influenza virus activity is increasing.
- RSV activity is increasing.
- Influenza A (H3) was the predominant subtype detected in Wisconsin.
- Norovirus activity is increasing.

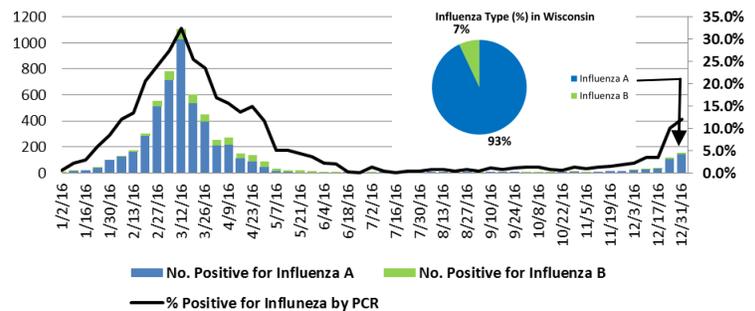
National Influenza Update (CDC)

- Nationally, the CDC reported that 13.7% of the 21,564 surveillance specimens tested positive for influenza virus (A and B).
- The currently circulating influenza virus strains are well matched with those included in the 2016-2017 influenza vaccine.
- Widespread influenza activity was reported in 12 US States, mainly on the east and west coastal regions.

Wisconsin Influenza Update

- Influenza A was the predominant respiratory virus detected in Wisconsin and activity is increasing.
- 97% of the specimens subtyped were influenza A (H3).

% Positive for Influenza by PCR (Wisconsin), Week Ending December 31, 2016



It is **no longer necessary** to send positive influenza specimens for confirmatory testing. Please send:

1. A sampling of specimens from influenza-related hospitalizations.
2. Specimens that fail to subtype (Ct <35) if subtyping for 2009 pdmH1 and H3 were performed.

Other Surveillance Data-Wisconsin

Week Ending December 31, 2016

Resp. Pathogen PCR	# Tested	% Positive
Influenza	1,277	12.0↑
Coronavirus	242	10.7↑
RSV	637	10.4↑
Rhinovirus/ Enterovirus	481	8.3↓
Parainfluenza	511	3.9
Human metapneumovirus	548	2.6↑
Adenovirus	242	1.2
<i>B. pertussis</i>	306	2.6

Respiratory

- Influenza was the predominant respiratory virus reported.
- RSV, coronavirus and human metapneumovirus activities are increasing.

Gastropathogens

- Norovirus and sapovirus were the predominant gastropathogens reported by labs performing PCR testing.
- Please send in all **rotavirus positive specimens** to WSLH for strain characterization.

Week Ending December 31, 2016

GI Pathogen PCR	# Tested	% Positive
Norovirus	118	21.2↑
Sapovirus	52	7.7↑
EPEC	52	3.8
Salmonella	187	2.1
Campylobacter	187	2.1
Rotavirus	88	0
STEC	88	0
Giardia	52	0
Shigella	109	0
E. coli O157	52	0
Cryptosporidium	52	0