

Laboratory Surveillance Report

Influenza (Week ending December 30, 2017)

Surveillance Data Synopsis

- Influenza activity is widespread.
- Norovirus activity is increasing.
- RSV is nearing peak levels.
- Influenza A and B activities are increasing in Wisconsin.

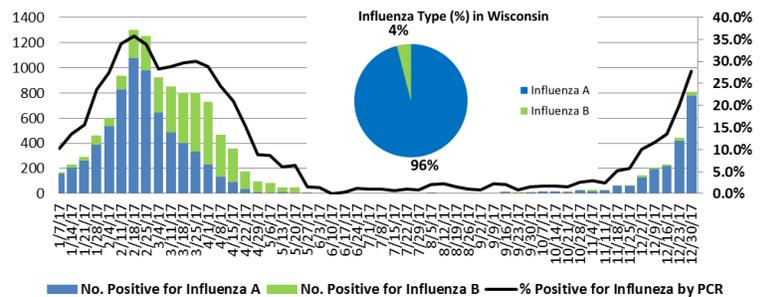
National Influenza Update (CDC)

- Nationally, the CDC reported that 25.5% of the 36,226 surveillance specimens tested positive for influenza virus (A and B).
- Widespread activity was reported from 46 states.
- Influenza A (H3) is the predominant influenza strain circulating in the US.

Wisconsin Influenza Update

- Influenza activity is nearing peak levels in Wisconsin.
- 96% of the influenza viruses reported were influenza A.
- Influenza A (H3) was the predominant subtype detected (95%) in Wisconsin.

% Positive for Influenza by PCR (Wisconsin), Week Ending December 30, 2017



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 30, 2017

Resp. Pathogen PCR	# Tested	% Positive
Influenza	2927	27.7↑
RSV	1084	14.4↑
Coronavirus	287	8.4
Rhinovirus/enterovirus	665	6.5↓
Human metapneumovirus	691	3.2↑
Parainfluenza	682	2.5↓
Adenovirus	287	<1
<i>B. pertussis</i>	275	0

Respiratory

- Influenza and RSV are nearing peak levels in Wisconsin.
- Human metapneumovirus activity is increasing

Gastropathogens

- Norovirus was the predominant gastropathogen reported with 18.8% of the specimens testing positive.
- Please send a sampling of Rotavirus positive specimens to WSLH.

Week Ending December 30, 2017

GI Pathogen PCR	# Tested	% Positive
Norovirus	192	18.8
EPEC	113	5.3
Campylobacter	331	2.4
Sapovirus	113	1.8
Salmonella	328	1.2
Giardia	147	<1
Cryptosporidium	147	<1
Shigella	214	0
STEC	292	0
Rotavirus	149	0
<i>E. coli</i> 0157	74	0