

Laboratory Surveillance Report

Influenza (Week ending January 5, 2019)

Surveillance Data Synopsis

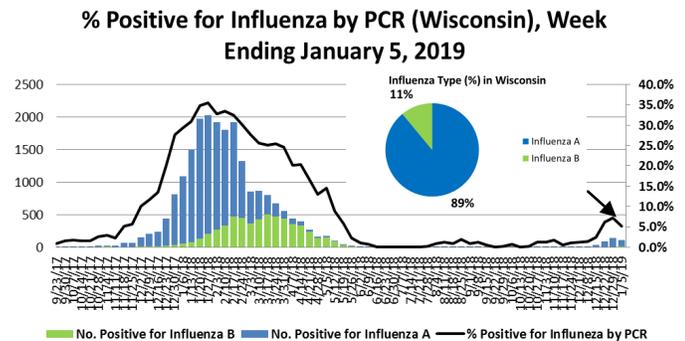
- **RSV was the predominant respiratory virus reported and activity is near peak levels.**
- **Influenza A was the predominant influenza virus.**
- **Influenza A (H1N1) pdm2009 was the predominant subtype.**

National Influenza Update (CDC)

- Nationally, the CDC reported that influenza activity decreased slightly to 12.7% of the 35,059 surveillance specimens testing positive for influenza virus (A and B).
- The majority of influenza viruses characterized antigenically and genetically are similar (well matched) to the cell-grown reference viruses representing the 2018–2019 influenza vaccine viruses.

Wisconsin Influenza Update

- A total 2,168 specimens were tested by PCR with 5.2% positive for influenza virus.
- Of those Flu A's subtyped, 82.6% were influenza A (H1N1) pdm2009.
- No influenza antiviral resistance has been detected 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.

Other Surveillance Data-Wisconsin

Week Ending January 5, 2019

Resp. Pathogen PCR	# Tested	% Positive
RSV	1,297	22.8
Rhinovirus/enterovirus	826	11.9
Influenza	2,168	5.2
Coronavirus	369	4.3
Human Metapneumovirus	876	2.6↑
Parainfluenza	847	2.4↓
Adenovirus	369	<1
<i>B. pertussis</i>	299	<1

Respiratory

- RSV was the predominant respiratory virus reported. Activity is near peak levels.

Gastropathogens

- Increasing activity was noted for the viral gastropathogens Norovirus and Sapovirus.
- Other gastropathogens reported included EPEC (6%), EAEC (3.8%), ETEC (<1%), Adenovirus 40/41 (1.4%), Astrovirus (<1%), *Y. enterocolitica* (1.5%)
- *Please send WSLH a sampling of Rotavirus positive specimens.

Week Ending January 5, 2019

GI Pathogen PCR	# Tested	% Positive
Norovirus	266	24.4↑
Sapovirus	182	7.7↑
Campylobacter	452	2.4
Cryptosporidium	233	1.7
Giardia	233	1.3
Salmonella	433	1.2
STEC	394	<1
<i>E. coli</i> 0157	180	0
Rotavirus	235	0
Shigella	366	0
Cyclospora	182	0