

Laboratory Surveillance Report

Influenza (Week ending February 23, 2019)

Surveillance Data Synopsis

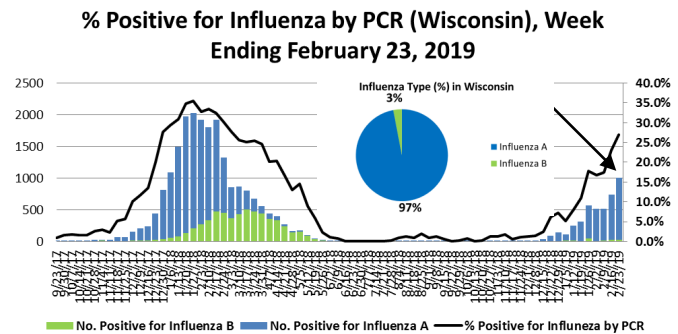
- Influenza activity is nearing peak levels.
- Influenza was the predominant respiratory pathogen reported.
- There was an equal mix of influenza A (H1N1)pdm09 and H3 detected in Wisconsin.

National Influenza Update (CDC)

- Nationally, the CDC reported that influenza activity increased to 26.4% of the 39,107 surveillance specimens testing positive for influenza virus (A and B).
- The majority of influenza viruses detected were influenza A (97.2%).
- Of those subtyped, 54.1% were influenza A (H3N2) and 45.9% were influenza A (H1N1)pdm09. This is a switch from previous weeks where influenza A (H1N1)pdm09 was the predominant subtype nationally.

Wisconsin Influenza Update

- A total 3,736 specimens were tested by PCR with 27% positive for influenza virus.
- Of those Flu A's subtyped, 50% were influenza A (H1N1)pdm2009 and 50% for influenza A (H3).
- Influenza activity is widespread.



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 February 23, 2019

Resp. Pathogen PCR	# Tested	% Positive
Influenza	3,736	27↑
Coronavirus	391	9.7
RSV	1,236	8.7↓
Rhinovirus/ enterovirus	791	6.7
Human Metapneumovirus	823	2.3
Parainfluenza	805	1.2
Adenovirus	391	<1
<i>B. pertussis</i>	249	<1

Respiratory

- Influenza and coronavirus were the predominant respiratory pathogens.

Gastropathogens

- Decreasing activity was noted for the viral gastropathogen Norovirus.
- Other gastropathogens reported included EPEC (2.5%), EAEC (3.0%), ETEC (<1%), Adeno 40/41 (1.1%), Astrovirus (3.5%), *Y. enterocolitica* (<1%)
- *Please send WSLH a sampling of Rotavirus positive specimens.

Week Ending February 23, 2019

GI Pathogen PCR	# Tested	% Positive
Norovirus	262	13.7↓
Campylobacter	461	2.4
Cryptosporidium	228	2.2
STEC	387	2.1
Rotavirus	230	1.7
Sapovirus	201	1.5
<i>E. coli</i> 0157	198	1.0
Giardia	184	<1
Shigella	213	<1
Salmonella	437	<1
Cyclospora	201	0