

Laboratory Surveillance Report

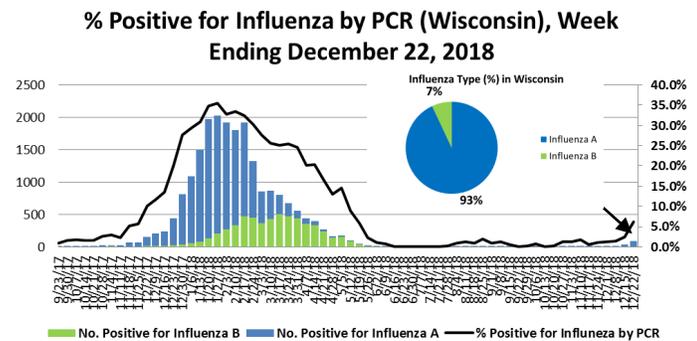
Influenza (Week ending December 22, 2018)

Surveillance Data Synopsis

- RSV was the predominant respiratory virus reported and activity is increasing.
- Influenza activity is increasing.
- Influenza A (H1N1) pdm2009 was the predominant subtype.

National Influenza Update (CDC)

- Nationally, the CDC reported that influenza activity increased to 15.6% of the 23,479 surveillance specimens testing positive for influenza virus (A and B).
- There has been no influenza antiviral resistance to the neuraminidase inhibitor drugs (Oseltamivir, Peramivir and Zanamivir) detected this season.
- **Wisconsin Influenza Update**
- A total 1,419 specimens were tested by PCR with 6.1% positive for influenza virus which increased from 2.5% the previous week.
- Influenza A accounted for 93% of the positives reported.
- Of those Flu A's subtyped, 63.6% were influenza A (H1N1) pdm2009.
- Influenza activity is increasing in Wisconsin.



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 December 22, 2018

Resp. Pathogen PCR	# Tested	% Positive
RSV	876	19.2↑
Rhinovirus/enterovirus	602	10.5↓
Influenza	1,419	6.1↑
Coronavirus	302	4.3↑
Parainfluenza	621	4.2
Adenovirus	302	3.0
Human Metapneumovirus	646	<1
<i>B. pertussis</i>	236	<1

Respiratory

- RSV was the predominant respiratory virus reported and activity is increasing.

Gastropathogens

- Increasing activity was noted for Norovirus which was the predominant gastropathogen reported.
- Other gastropathogens reported included EPEC (5.7%), EAEC (3.1%), ETEC (1.3%), Adenovirus 40/41 (<1%), Astrovirus (<1%), *Plesiomonas* (<1%)
- *Please send WSLH a sampling of Rotavirus positive specimens.

Week Ending December 22, 2018

GI Pathogen PCR	# Tested	% Positive
Norovirus	293	20.8↑
Sapovirus	192	2.1
Campylobacter	462	1.7
Salmonella	462	1.5
STEC	418	<1
Giardia	239	<1
<i>E. coli</i> 0157	190	<1
Cryptosporidium	239	<1
Rotavirus	252	<1
Shigella	290	0
Cyclospora	194	0