

Laboratory Surveillance Report

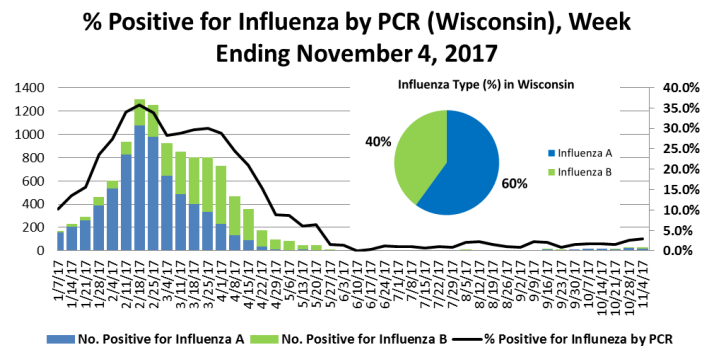
Influenza (Week ending November 4, 2017)

Surveillance Data Synopsis

- **Influenza, RSV and Parainfluenza virus activities are increasing.**
- **Norovirus activity is increasing.**
- **Rhinovirus/enterovirus was the predominant respiratory virus reported.**

National Influenza Update (CDC)

- Nationally, the CDC reported that 3.4% of the 15,451 surveillance specimens tested positive for influenza virus (A and B). This is an increase from the previous week (2.6% positivity).
- Influenza activity is increasing with 6 states reporting regional activity (MA, GA, LA, OK, SC and TX).
- The majority of recently circulating influenza viruses are susceptible to the neuraminidase inhibitor antivirals.
- **Wisconsin Influenza Update**
- Influenza activity is sporadic, but increasing.
- All of the influenza A viruses subtyped were H3.
- No antiviral resistance has been detected in Wisconsin specimens tested at WSLH 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.

Surveillance Data-Wisconsin

Week Ending November 4, 2017

Resp. Pathogen PCR	# Tested	% Positive
Rhinovirus/enterovirus	381	16.0↓
Parainfluenza	411	6.8↑
Influenza	1020	2.9↑
RSV	577	1.6↑
Human metapneumovirus	441	1.1
Coronavirus	212	<1
Adenovirus	212	0
<i>B. pertussis</i>	221	0

Respiratory

- Rhinovirus/enterovirus was the predominant respiratory virus reported. However, activity is decreasing.
- Influenza, RSV and Parainfluenza virus activities are increasing.

Gastropathogens

- EPEC and Norovirus were the predominant gastropathogens reported.
- Please send a sampling of Rotavirus positive specimens to WSLH for further characterization.

Week Ending November 4, 2017

GI Pathogen PCR	# Tested	% Positive
EPEC	84	5.0
Norovirus	203	4.9↑
Campylobacter	331	4.2
Giardia	178	2.2
Salmonella	343	2.0
Cryptosporidium	178	1.1
Sapovirus	128	<1
<i>E. coli</i> 0157	140	<1
STEC	297	<1
Rotavirus	183	0
Shigella	214	0