

# Laboratory Surveillance Report

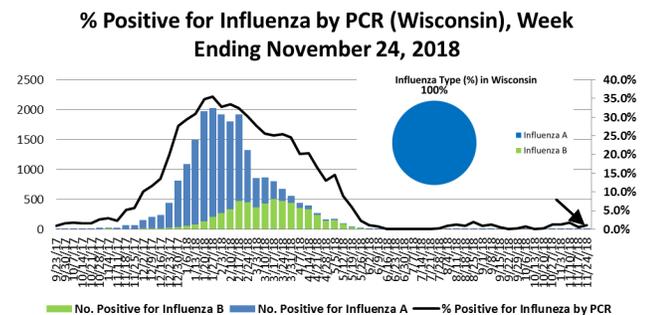
## Influenza (Week ending November 24, 2018)

### Surveillance Data Synopsis

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

### National Influenza Update (CDC)

- Nationally, the CDC reported that influenza activity increased slightly with 2.4% of the 16,648 surveillance specimens testing positive for influenza virus. (A and B).
- The majority of influenza viruses characterized antigenically and genetically are similar to the cell-grown reference viruses representing the 2018–2019 Northern Hemisphere influenza vaccine viruses.
- **Wisconsin Influenza Update**
  - A total 1,130 specimens were tested by PCR with 1.2% positive for influenza A.
  - No influenza B has been reported for three weeks.
  - Of those subtyped, 57% were influenza A (H1N1) pdm2009.
  - Influenza activity remains sporadic 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 November 24, 2018

Resp. Pathogen PCR	# Tested	% Positive
Rhinovirus/enterovirus	490	14.1↓
Parainfluenza	499	7.4↑
RSV	647	7.0↑
Influenza	1,130	1.2
Coronavirus	273	<1
Human Metapneumovirus	509	<1
Adenovirus	273	<1
<i>B. pertussis</i>	191	2.6

### Respiratory

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

### Gastropathogens

- Norovirus and Campylobacter were the predominant gastro-pathogens reported.
- Other gastropathogens reported included EPEC (6.7%), EAEC (5.0%), ETEC (1.1%), Adenovirus 40/41 (2.8%), Astrovirus (<1%)

### Week Ending November 24, 2018

GI Pathogen PCR	# Tested	% Positive
Norovirus	225	9.3↑
Campylobacter	384	2.9
Salmonella	384	1.6
Rotavirus	209	1.4
Cryptosporidium	197	1.0
Giardia	197	1.0
STEC	267	<1
Sapovirus	180	<1
Shigella	279	<1
<i>E. coli</i> O157	180	0
Cyclospora	152	0