

# Laboratory Surveillance Report

## Influenza (Week ending October 27, 2018)

### Surveillance Data Synopsis

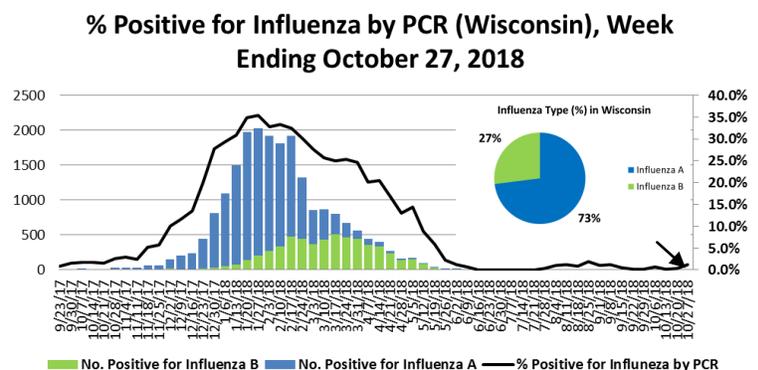
- **Rhinovirus/enterovirus was the predominant respiratory virus reported.**
- **Influenza activity is sporadic.**
- **Campylobacter & Norovirus were the predominant gastro pathogens reported.**

### National Influenza Update (CDC)

- Nationally, the CDC reported that 0.8% of the 12,723 surveillance specimens tested positive for influenza virus. (A and B).
- 72% of the influenza A viruses subtyped by state public health laboratories were influenza A (H1N1) pdm2009 and 28% were influenza A (H3).

### Wisconsin Influenza Update

- A total 1,199 specimens were tested by PCR with 1.3% positive for influenza.
- 73% of the positives were influenza A.
- Of those subtyped, 67% were influenza A (H1N1) pdm2009.
- Influenza activity is 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 October 27, 2018

Resp. Pathogen PCR	# Tested	% Positive
Rhinovirus/enterovirus	529	23.1
Parainfluenza	552	3.1
RSV	649	1.5
Influenza	1,199	1.3
Coronavirus	239	<1
Human Metapneumovirus	572	0
Adenovirus	239	0
<i>B. pertussis</i>	221	1.8

### Respiratory

- Rhinovirus/enterovirus was the predominant respiratory virus reported.
- No mumps virus was detected.

### Gastro pathogens

- Campylobacter and Norovirus were the predominant gastro pathogens reported by Wisconsin labs performing CIDT.
- Other gastro pathogens reported included EPEC (7.9%), EAEC (1.3%), ETEC (<1%) and *Y. enterocolitica* (<1%).

### Week Ending October 27, 2018

GI Pathogen PCR	# Tested	% Positive
Campylobacter	400	4.0
Norovirus	209	3.3
Giardia	209	1.4
STEC	348	<1
Salmonella	400	<1
Sapovirus	192	<1
Cryptosporidium	209	<1
Rotavirus	187	0
<i>E. coli</i> O157	152	0
Shigella	218	0
Cyclospora	152	0