

# Laboratory Surveillance Report

## Influenza (Week ending November 2, 2019)

### Surveillance Data Synopsis

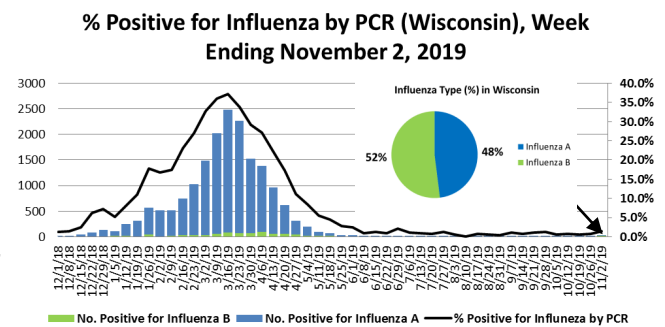
- Rhinovirus/enterovirus were the predominant respiratory viruses reported. Activity is decreasing.
- Influenza activity is low.
- Increasing RSV and adenovirus activity were noted.
- EPEC, EAEC & Campylobacter were the most frequently reported gastro pathogens.

### National Influenza Update (CDC)

- Nationally, the CDC reported a small increase (2.4% to 3.2%) of the 18,126 surveillance specimens testing positive for influenza virus (A & B). Overall, activity is low across the US.
- Influenza B accounted for an increasing majority (75.4%) of the influenza positives reported.
- 58.5% of the influenza A viruses subtyped were seasonal A (H3N2) and 41.5% were seasonal (H1N1)pdm09.

### Wisconsin Influenza Update

- WI labs reported a total of 31 specimens of the 2,132 tested (1.5%) by PCR were positive for influenza virus (A & B). This was a small increase.
- Influenza B was the predominant (51.6%) influenza virus.
- Seasonal influenza A (H3N2) accounted for 57% of those subtyped at WSLH.



### 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. no more than 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 2, 2019

Resp. Pathogen PCR	# Tested	% Positive
Rhinovirus/enterovirus	600	17.5↓
Parainfluenza	616	5.0
Adenovirus	272	3.3↑
Influenza	2,132	1.5
RSV	982	1.4↑
Human metapneumovirus	633	<1
Coronavirus	272	0
<i>B. pertussis</i>	331	<1

### Respiratory

- Rhinovirus/enterovirus were the predominant respiratory viruses reported. Activity is decreasing.
- RSV & adenovirus activity are increasing.

### Gastro pathogens

- EPEC, EAEC & Campylobacter were the predominant gastro pathogens reported.
- Other gastro pathogens reported included EPEC (12%), ETEC (<1%), EAEC (3.3%), *Y. enterocolitica* (<1%) and Adeno 40/41 (1.1%).

### Week Ending November 2, 2019

GI Pathogen PCR	# Tested	% Positive
Campylobacter	363	2.5
Salmonella	363	2.2
Norovirus	198	2.0
Giardia	121	1.7
Sapovirus	92	1.1
STEC	305	<1
Shigella	328	<1
Cryptosporidium	121	0
<i>E. coli</i> 0157	88	0
Rotavirus	193	0
Cyclospora	92	0