

# Laboratory Surveillance Report

## Influenza (Week ending February 22, 2020)

### Surveillance Data Synopsis

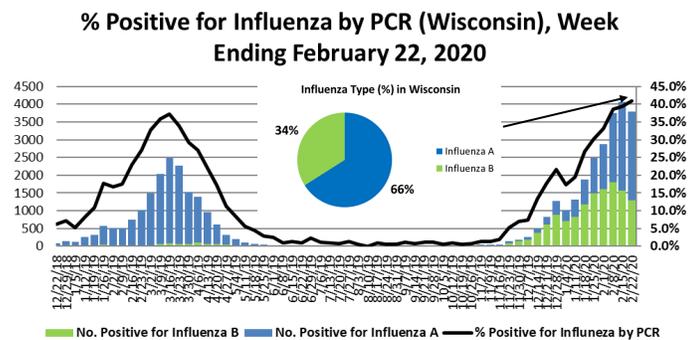
- **Influenza A and RSV were the predominant respiratory viruses reported.**
- **Influenza activity is near peak levels.**
- **RSV activity is decreasing.**
- **Norovirus was the most frequently reported gastro-pathogen.**

### National Influenza Update (CDC)

- Nationally, the CDC reported that 26.4% of the 42,587 specimens tested positive for influenza. The percentage of influenza positive PCR tests decreased from last week (29.7%).
- Influenza A accounted for an increasing percentage (72.4%) of the influenza positives reported in the US.
- 94.8% of the influenza A viruses subtyped were seasonal (H1N1)pdm09.

### Wisconsin Influenza Update

- Wisconsin labs reported a total of 40.8% of the 9,266 specimens tested by PCR were positive for influenza virus (A & B).
- Influenza A was the predominant influenza virus (65.7%).
- Of the influenza viruses subtyped at WSLH, 94.5% were influenza A (H1N1) pdm2009.



### 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 February 22, 2020

Resp. Pathogen PCR	# Tested	% Positive
Influenza	9,266	40.8
RSV	2,223	10.3↓
Rhinovirus/ Enterovirus	605	8.6
Human metapneumovirus	642	5.5
Adenovirus	43	4.7
Parainfluenza	622	<1
Seasonal coronaviruses	43	0
<i>B. pertussis</i>	415	<1

### Respiratory

- Influenza A followed by RSV were the predominant respiratory pathogens reported in Wisconsin.
- RSV activity is decreasing.

### Gastropathogens

- Other gastropathogens reported included EPEC (2.8%), EAEC (1.1%), ETEC (<1%), *P. shigelloides* (<1%), *Vibrio* sp. (<1%), Astrovirus (1.7%) and Adeno 40/41 (<1%).
- \*Please send WSLH a sampling of **rotavirus positive specimens (e.g. 1 per week).**

### Week Ending February 22, 2020

GI Pathogen PCR	# Tested	% Positive
Norovirus	426	14.1
Salmonella	575	1.6
Campylobacter	575	1.6
Cryptosporidium	240	1.3
Giardia	418	1.0
Sapovirus	177	<1
Rotavirus	371	<1
STEC	397	<1
Shigella	402	<1
Cyclospora	355	<1
<i>E. coli</i> O157	281	0