

# Laboratory Surveillance Report

## Influenza (Week ending February 8, 2020)

### Surveillance Data Synopsis

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

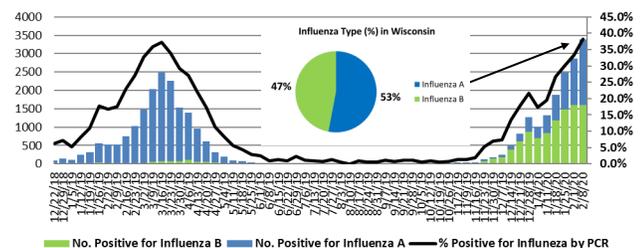
### National Influenza Update (CDC)

- Nationally, the CDC reported that 30.8% of the 54,982 specimens tested positive for influenza. The percentage of influenza positive PCR tests was relatively the same from last week (30.1%).
- Influenza A accounted for the majority (66.2%) of the influenza positives reported in the US. This is a change from previous weeks where influenza B was predominant.
- 95.5% of the influenza A viruses subtyped were seasonal (H1N1)pdm09.

### Wisconsin Influenza Update

- Wisconsin labs reported a total of 38.3% of the 8,839 specimens tested by PCR were positive for influenza virus (A & B).
- Influenza A (H1N1) pdm09 was the predominant influenza virus (52.6%). This is a switch from previous weeks where influenza B was predominant.

% Positive for Influenza by PCR (Wisconsin), Week Ending February 8, 2019



### 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 8, 2020

Resp. Pathogen PCR	# Tested	% Positive
Influenza	8,839	38.3
RSV	2,326	12.6↓
Human metapneumovirus	736	6.4
Rinovirus/ Enterovirus	690	5.8
Seasonal coronavirus	206	3.4
Adenovirus	206	1.5
Parainfluenza	710	1.3
<i>B. pertussis</i>	393	<1

### Respiratory

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

### Gastropathogens

- Other gastropathogens reported included EPEC (3.9%), EAEC (3.3%), ETEC (1.4%), *P. shigelloides* (1%), *Vibrio sp.* (<1%) and Adeno 40/41 (1.5%).
- \*Please send WSLH a sampling of **rotavirus positive specimens** (e.g. 1 per week).

### Week Ending February 8, 2020

GI Pathogen PCR	# Tested	% Positive
Norovirus	253	14.2
Salmonella	453	2.2
Campylobacter	453	2.0
Rotavirus	231	1.7
Sapovirus	153	1.3
Cryptosporidium	203	1.0
Giardia	203	<1
STEC	386	<1
<i>E. coli</i> O157	134	0
Shigella	363	0
Cyclospora	153	0