

# Laboratory Surveillance Report

## Surveillance Data Synopsis

- **SARS-CoV-2 was the predominant respiratory pathogen reported.**
- **Influenza and RSV activities is decreasing.**
- **Norovirus was the most frequently reported gastro-pathogen.**

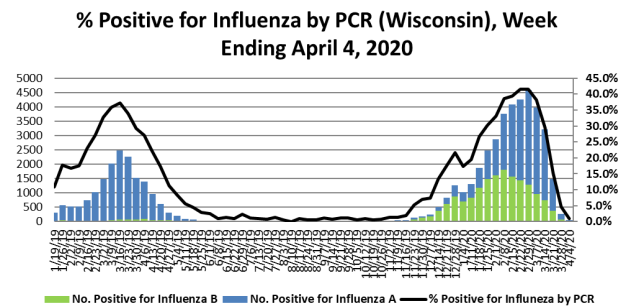
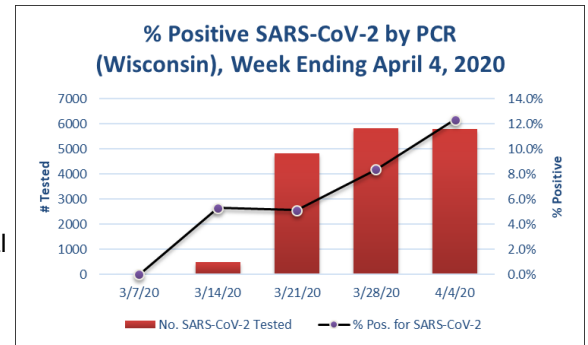
## Influenza & SARS-CoV-2 (Week ending April 4, 2020)

### SARS-CoV-2 Update

- In Wisconsin, 12.3% of the 5,788 specimens tested positive by PCR at WSLH and clinical labs reporting testing data.
- Nationally, 14.6% of the 102,385 specimens tested positive by PCR at clinical, commercial and public health labs.

### Wisconsin Influenza Update

- Wisconsin labs reported a total of 1.0% of the 3,937 specimens tested by PCR were positive for influenza virus (A & B).
- Influenza A was the predominant influenza virus (55%).
- Of the influenza viruses subtyped at WSLH, all 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 April 4, 2020

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	5,788	12.3↑
Rhinovirus/ Enterovirus	997	6.5
Seasonal coronaviruses	60	3.3
Human metapneumovirus	1,086	2.3
RSV	2,176	1.9↓
Adenovirus	60	1.7
Influenza	3,937	1.0↓
Parainfluenza	1,079	<1
<i>B. pertussis</i>	509	<1

### Respiratory

- SARS-CoV-2 was the predominant respiratory pathogen reported in Wisconsin.
- Influenza A and RSV activities are decreasing.

### Gastropathogens

- Other gastropathogens reported included EPEC (2.3%), EAEC (1.1%), ETEC (<1%) and Adeno 40/41 (2.5%).
- \*Please send WSLH a sampling of rotavirus positive specimens (e.g. 1 per week).

### Week Ending April 4, 2020

GI Pathogen PCR	# Tested	% Positive
Norovirus	286	5.9
Campylobacter	275	2.5
Giardia	103	1.9
Salmonella	275	1.5
Sapovirus	95	1.1
Cryptosporidium	103	1.0
Rotavirus	165	<1
STEC	228	<1
Shigella	243	0
Cyclospora	88	0
<i>E. coli</i> O157	106	0