Wisconsin State Laboratory of Hygiene
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March 30, 2020

Laboratory Surveillance Report

Influenza (Week ending March 21, 2020)

Surveillance Data Synopsis

- **Influenza A (H1N1)pdm09 viruses are now the most commonly reported influenza viruses this season.**

- **Influenza activity is decreasing.**

- **Norovirus was the most frequently reported gastropathogen.**

SARS-CoV-2 Wisconsin Update

- 5.1% of the 4,829 specimens tested positive by PCR at WSLH and clinical labs reporting testing data.

Wisconsin Influenza Update

- Wisconsin labs reported a total of 15.4% of the 9,265 specimens tested by PCR were positive for influenza virus (A & B).

- Influenza A was the predominant influenza virus (74.6%).

- Of the influenza viruses subtyped at WSLH, 92% were influenza A (H1N1) pdm2009.

% Positive SARS-CoV-2 by PCR (Wisconsin), Week Ending March 21, 2020

% Positive for Influenza by PCR (Wisconsin), Week Ending March 21, 2020
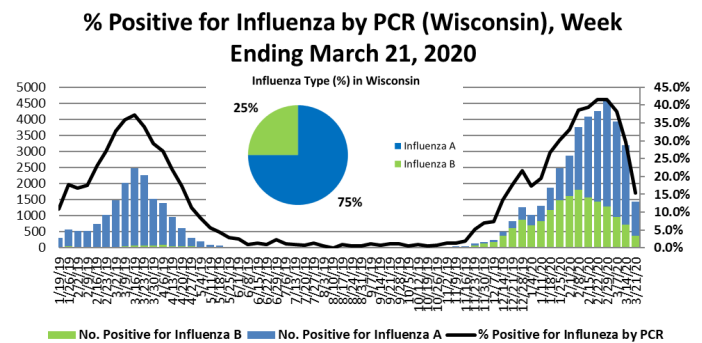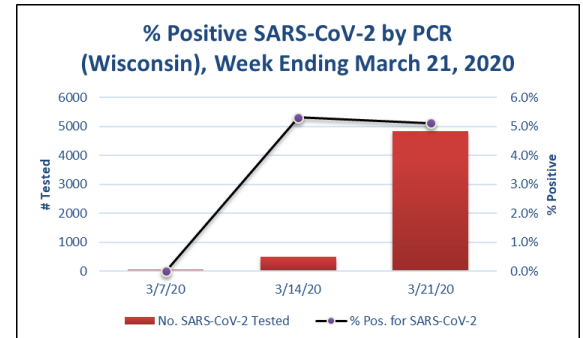
To enhance surveillance activities for influenza viruses, the WSLH asks labs to <u>please send</u>:

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 subytping for 2009 pdmH1 and H3 were performed.

Other Surveillance Data-Wisconsin

Week Ending March 21, 2020

Resp. Pathogen PCR	# Tested	% Positive
Influenza	9,265	15.4↓
Rinovirus/ Enterovirus	1,567	11.5↑
Human metapneumovirus	1,627	6.3
RSV	4,093	5.3↓
SARS-CoV-2	4,829	5.1
Adenovirus	114	3.5
Seasonal coronaviruses	114	2.6
Parainfluenza	1,624	1.0
B. pertussis		<1

Respiratory

- Influenza A and RSV activities are decreasing.

Gastropathogens

- Other gastropathogens reported included EPEC (4.8%), EAEC (4.1%), ETEC (1.8%), Astrovirus (3.8%) *and* Adeno 40/41 *(2.8%).*

- *Please send WSLH a sampling of **rotavirus positive specimens** (e.g. 1 per week).*

Week Ending March 21, 2020

GI Pathogen PCR	# Tested	% Positive
Norovirus	224	14.7
Sapovirus	157	4.5
Rotavirus	239	1.7
Campylobacter	398	1.3
Salmonella	398	<1
STEC	354	<1
E. coli 0157	146	<1
Giardia	183	0
Shigella	319	0
Cyclospora	146	0
Cryptosporidium	183	0