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April 27, 2020

Laboratory Surveillance Report

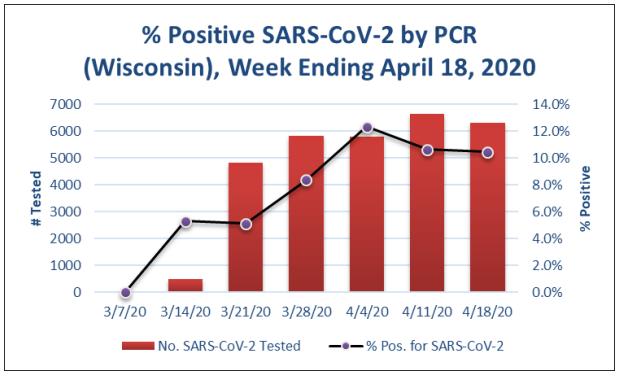
Surveillance Data Synopsis

- **SARS-CoV-2 was the predominant respiratory pathogen reported.**
- **The percentage of specimens testing positive for SARS-CoV-2 remained similar from the previous week.**
- **Campylobacter was the most frequently reported gastropathogen.**

Influenza & SARS-CoV-2 (Week ending April 18, 2020)

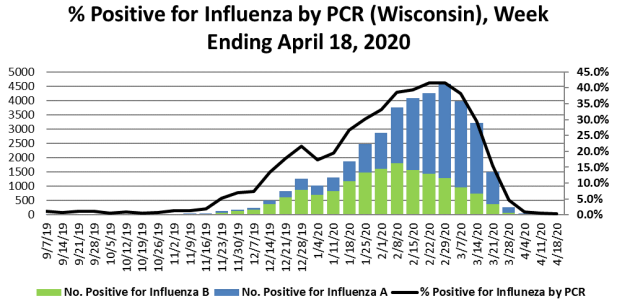
SARS-CoV-2 Update

- In Wisconsin, 10.5% of the 6,314 specimens tested positive by PCR at WSLH and clinical labs reporting testing data.
- Nationally, 18.7% of the 575,490 specimens tested positive by PCR at clinical, commercial and public health labs.
- Nationally, the percentage of laboratory specimens testing positive for SARS-CoV-2 remained similar to, or decreased, compared to last week.



Wisconsin Influenza Update

- Wisconsin labs reported a < 1.0% of the 1,393 specimens tested by PCR were positive for influenza virus (A & B).



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 April 18, 2020

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	6,314	10.5
Seasonal coronaviruses	78	3.8
Rhinovirus/ Enterovirus	568	2.3
Adenovirus	78	1.3
Human metapneumovirus	609	<1
RSV	995	<1
Influenza	1,393	<1
Parainfluenza	599	<1
B. pertussis	306	0

Respiratory

- SARS-CoV-2 was the predominant respiratory pathogen reported in Wisconsin.

Gastropathogens

- Campylobacter was the most frequently reported gastropathogen.
- Other gastropathogens reported included EPEC (1.1%), *Y. enterocolitica* (<1%), Astrovirus (1%) *and* Adeno 40/41 (1.2%).

Week Ending April 18, 2020

GI Pathogen PCR	# Tested	% Positive
Campylobacter	286	2.8
Cryptosporidium	111	1.8
Norovirus	196	1.5
Salmonella	286	1.4
Rotavirus	179	<1
Sapovirus	104	0
Giardia	111	0
STEC	235	0
Shigella	238	0
Cyclospora	94	0
E. coli 0157	88	0