

Laboratory Surveillance Report

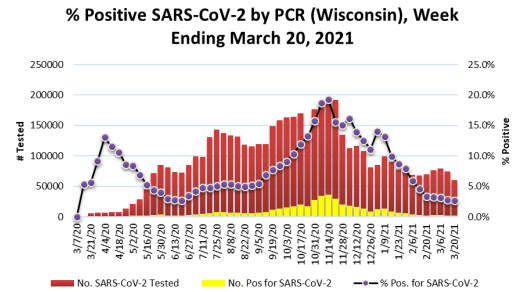
Surveillance Data Synopsis

- The percentage of specimens testing positive for SARS-CoV-2 decreased to 2.6%.
- The number of B.1.1.7 variants detected increased.
- One P.1 variant of concern was detected in WI.
- Influenza and RSV activity remains below normal seasonal levels.

Influenza & SARS-CoV-2 Surveillance Updates

SARS-CoV-2 Update

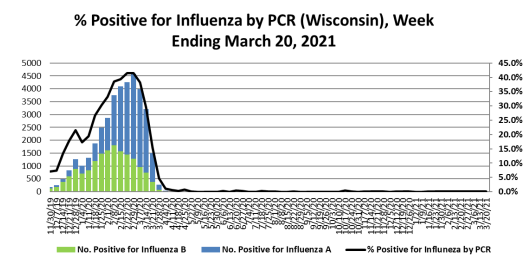
- In Wisconsin, positivity decreased to 2.6% of the 59,684 specimens tested by PCR and reported to WSLH for the week ending March 20.
- Genomic sequencing surveillance data showed increases in variant of concern (VOC) detections of B.1.1.7 in Wisconsin through March 26. In addition, the first P.1 VOC was detected.
- Nationally, the 7-day average of percent positivity from RT-PCR tests increased slightly to 4.7% as of March 25.



SARS-CoV-2 3/26/21		Variant of Concern Lineage		
# Sequenced (WI)		B.1.1.7	B.1.135	P.1
8,494		78	2	1

Influenza Update

- <1% of specimens tested for influenza were positive by PCR in Wisconsin.



To enhance surveillance activities for influenza viruses, the WSLH asks labs to please send:

1. Please send all positive influenza specimens for further characterization.

Other Surveillance Data-Wisconsin

Week Ending March 20, 2021*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	59,684	2.6
Rhinovirus/ Enterovirus	871	6.5
Seasonal coronaviruses	109	4.6 ↑
Adenovirus	109	1.8
Influenza	5,774	<1
RSV	2,265	<1
Parainfluenza	887	<1
Human metapneumovirus	899	0
<i>B. pertussis</i>	185	0

Respiratory

- Influenza & RSV cases remain below seasonal norms.
- Seasonal coronavirus activity increased.

Gastropathogens

- Norovirus & Cryptosporidium were the predominant gastropathogens detected.
- Others detected included: EPEC (5.8%), ETEC (1.1%), *P. shigelloides* (1.0%) & *Y. enterocolitica* (1.0%).

Week Ending March 20, 2021*

GI Pathogen PCR	# Tested	% Positive
Norovirus	175	6.3
Cryptosporidium	77	2.6
Cyclospora	52	1.9
Sapovirus	63	1.6
Rotavirus	164	1.2
Salmonella	317	<1
Campylobacter	317	<1
STEC	258	<1
Giardia	77	0
Shigella	278	0
<i>E. coli</i> O157	52	0

* On a weekly basis, participating Wisconsin clinical laboratories voluntarily report to WSLH the total number of tests performed, the method used for detection, and the number of those tests with positive results.