

Laboratory Surveillance Report

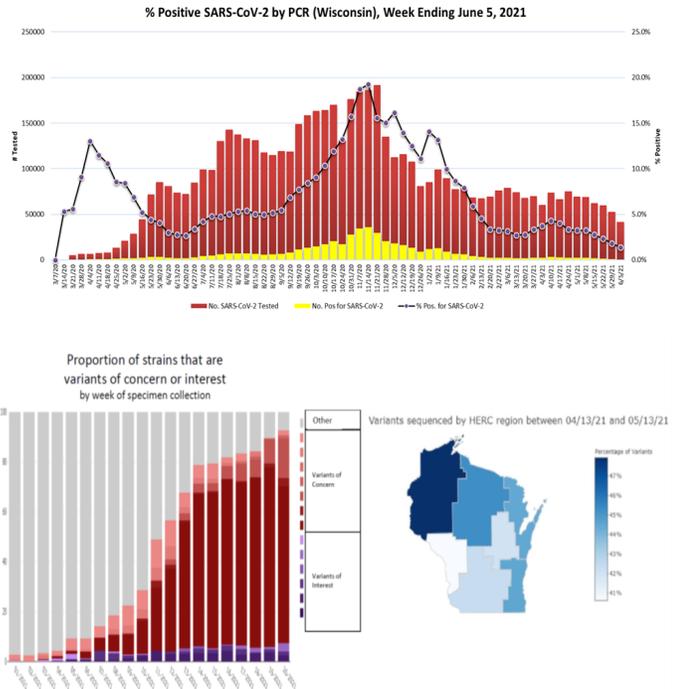
Surveillance Data Synopsis

- The percentage of specimens testing positive for SARS-CoV-2 decreased to 1.4%.
- The Alpha [B.1.1.7] SARS-CoV-2 variant of concern (VOC) was the predominant lineage detected.
- There has been an increase in RSV and Parainfluenza detections.

Influenza & SARS-CoV-2 Surveillance Updates

SARS-CoV-2 Update

- In Wisconsin, positivity decreased to 1.4% of the 41,475 specimens tested by PCR and reported to WSLH.
- In the US, 7 day average percent positivity dropped to 1.8%.
- Wisconsin genomic sequencing data showed Alpha [B.1.1.7] variant of concern was the predominant lineage detected.
- Increases were noted with Gamma [P.1] and Delta [B.1.617.2] variants.
- Sequencing dashboard is available at <https://dataportal.slh.wisc.edu/sc2dashboard>



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 June 5, 2021*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	41,475	1.4 ↓
Rhinovirus/ Enterovirus	535	12.3
Seasonal Coronavirus	123	9.8
Parainfluenza	548	5.8 ↑
Adenovirus	123	1.6
RSV	1,034	1.0 ↑
Influenza	1,635	<1
Human metapneumovirus	560	0
<i>B. pertussis</i>	170	0

Respiratory

- The percentage of specimens testing positive for SARS-CoV-2 continues to decrease.
- There has been an increase in Parainfluenza and RSV detections.

Gastropathogens

- Norovirus was the predominant gastropathogen reported.
- Others detected included: EPEC (3.6%), ETEC (1.4%), and EAEC (1.8%).

Week Ending June 5, 2021*

GI Pathogen PCR	# Tested	% Positive
Norovirus	271	5.2
Salmonella	421	3.3 ↑
Campylobacter	421	3.1
Sapovirus	128	<1
Rotavirus	257	1.9
STEC	363	1.9
Cryptosporidium	124	<1
Giardia	124	<1
Shigella	327	<1
Cyclospora	110	<1
<i>E. coli</i> 0157	110	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.