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Laboratory Surveillance Report

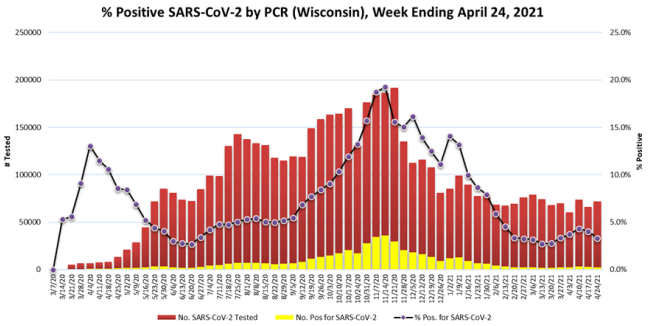
Surveillance Data Synopsis

- **The percentage of specimens testing positive for SARS-CoV-2 *decreased slightly* to 3.3%.**
- **The B.1.1.7 SARS-CoV-2 variant of concern (VOC) was the predominant lineage detected.**
- **Norovirus was the predominant gastropathogen reported.**

Influenza & SARS-CoV-2 Surveillance Updates

SARS-CoV-2 Update

- In Wisconsin, positivity *decreased to 3.3%* of the 71,784 specimens tested by PCR and reported to WSLH.
- Wisconsin genomic sequencing data showed B.1.1.7 variant of concern accounted for the majority of lineages detected.
- In the US, percent positivity declined to 4.5% of those tested by PCR (7-day average).



4/29/2021	Variants of Concern Lineage			
# Sequenced (WI)	B.1.1.7	B.1.135	P.1	B.1.427/ 1.429
10,959	707	28	30	394

Influenza Update (Wisconsin)

- <1% of specimens tested positive for Influenza by PCR.
- Influenza activity remains below seasonal norms.

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 April 24, 2021*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	71,784	3.3
Seasonal coronaviruses	128	9.4 ↑
Rhinovirus/ Enterovirus	937	8.2
Human metapneumovirus	953	<1
Parainfluenza	947	<1
RSV	2,836	<1
Influenza	5,441	<1
Adenovirus	128	0
B. pertussis	176	1.1

Respiratory

- SARS-CoV-2 percent positivity decreased slightly over the past two weeks.

Gastropathogens

- Norovirus was the predominant gastropathogen reported.
- Others detected included: EPEC (2.4%) and Astrovirus (<1%).

Week Ending April 24, 2021*

GI Pathogen PCR	# Tested	% Positive
Norovirus	288	6.3
Campylobacter	453	2
Cryptosporidium	134	1.5
Salmonella	452	1.5
Shigella	404	<1
Rotavirus	272	<1
STEC	393	<1
Giardia	144	0
Sapovirus	149	0
Cyclospora	124	0
E. coli 0157	124	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.*