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April 19, 2021

Laboratory Surveillance Report

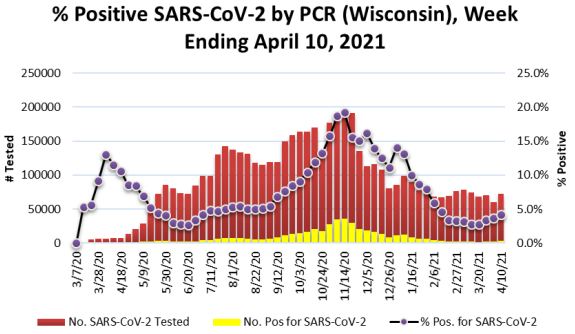
Surveillance Data Synopsis

- **The percentage of specimens testing positive for SARS-CoV-2 *increased* to 4.2%.**
- **The percentage of B.1.1.7 SARS-CoV-2 variants identified in WI increased to 35%.**
- **Norovirus activity increased.**

Influenza & SARS-CoV-2 Surveillance Updates

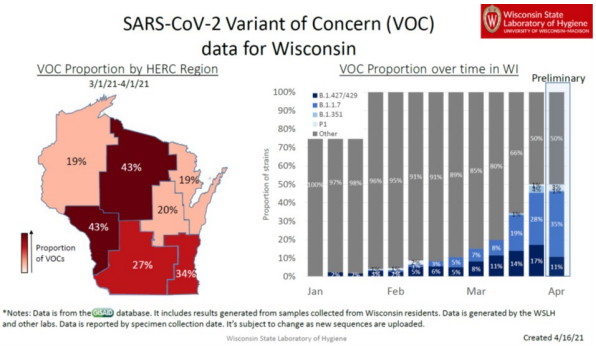
SARS-CoV-2 Update

- In Wisconsin, positivity *increased to 4.2%* of the 72,540 specimens tested by PCR and reported to WSLH for the week ending April 10.
- *COMING SOON!* Genomic sequencing surveillance data dashboard.
- Preliminary WI data showed B.1.1.7 accounting for 35% of lineages detected.



Influenza Update (Wisconsin)

- A case of human infection with a novel influenza A virus was reported in Wisconsin. The virus was an influenza A(H1N1) variant (A(H1N1)v) virus.
- <1% of specimens tested positive for Flu by PCR.



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 10, 2021*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	72,540	4.2 ↑
Seasonal coronaviruses	30	10
Rhinovirus/ Enterovirus	835	7.4
Adenovirus	30	3.3
Parainfluenza	849	<1
RSV	1,594	0
Influenza	4,220	0
Human metapneumovirus	562	0
B. pertussis	184	0

Respiratory

- SARS-CoV-2 percent positivity increased slightly over the past three weeks.

Gastropathogens

- The percent of specimens testing positive for Norovirus has been increasing.
- Others detected included: EPEC (1.7%), EAEC (2.6%), Adeno 40/41 (<1%), Astrovirus (1.5%) & *Y. enterocolitica* (<1%).

Week Ending April 10, 2021*

GI Pathogen PCR	# Tested	% Positive
Norovirus	247	7.7 ↑
Rotavirus	197	3.6
Campylobacter	385	2.6
Cryptosporidium	134	2.2
Giardia	134	1.5
Salmonella	385	1.3
STEC	303	<1
Shigella	332	<1
Sapovirus	172	0
Cyclospora	117	0
E. coli 0157	117	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.*