

Laboratory Surveillance Report

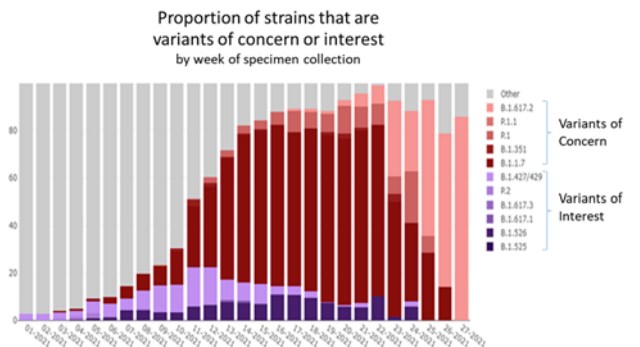
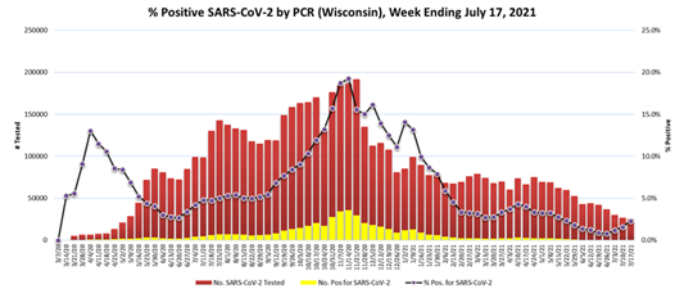
SARS-CoV-2 Surveillance Updates

Surveillance Data Synopsis

- Parainfluenza virus 3 and rhinovirus activity have increased in Wisconsin.
- The Delta [B.1.617.2] SARS-CoV-2 variant of concern is now the predominant lineage detected.
- *Campylobacter* was the predominant gastropathogen reported.

SARS-CoV-2 Update

- In Wisconsin, positivity was 2.3% of the 25,224 specimens tested by PCR and reported to WSLH.
- In the US, 7 day average percent positivity increased to 5.8%.
- Wisconsin genomic sequencing data showed the Delta [B.1.617.2] variant of concern was the predominant lineage detected.
- The WSLH sequencing dashboard is available at <https://dataportal.slh.wisc.edu/sc2dashboard>



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

1. Please send all positive influenza specimens for further characterization.
2. Please send all positive SARS-CoV-2 specimens with Ct <30 or Panther RLU >700 for genomic sequencing. If you are unable to send all positives, please send as many as you are able.

Other Surveillance Data-Wisconsin

Week Ending July 17, 2021*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	25,224	2.3↑
Parainfluenza	832	14.2↑
Rhinovirus/ Enterovirus	825	14.1↑
RSV	1364	4.0
Seasonal coronaviruses	164	2.4
Adenovirus	164	<1
Influenza	1703	<1
Human metapneumovirus	843	<1
<i>B. pertussis</i>	242	0

Respiratory

- There has been an increase in SARS-CoV-2 detections reported in Wisconsin.

Gastropathogens

- *Campylobacter* was the predominant gastropathogen reported.
- Others detected included: EPEC (19.2%), EAEC (3.4%), ETEC (1.2%), *P. shigelloides* and (1.2%) and Astrovirus (2.3%).

Week Ending July 17, 2021*

GI Pathogen PCR	# Tested	% Positive
<i>Campylobacter</i>	746	5.2↑
Norovirus	543	2.6↓
<i>Salmonella</i>	746	2
<i>Cryptosporidium</i>	457	1.8
<i>Cyclospora</i>	177	1.1↓
STEC	668	<1
Sapovirus	197	<1
Rotavirus	530	<1
<i>Giardia</i>	457	<1
<i>Shigella</i>	675	<1
<i>E. coli</i> 0157	359	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.