

Laboratory Surveillance Report

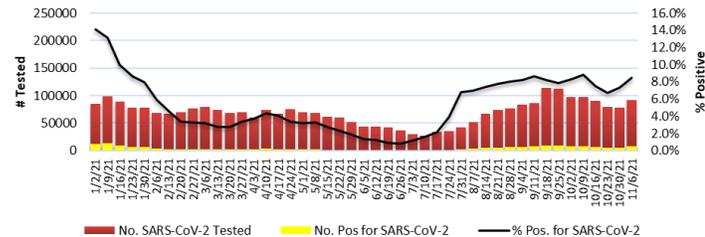
SARS-CoV-2 & Influenza Surveillance Updates

Surveillance Data Synopsis

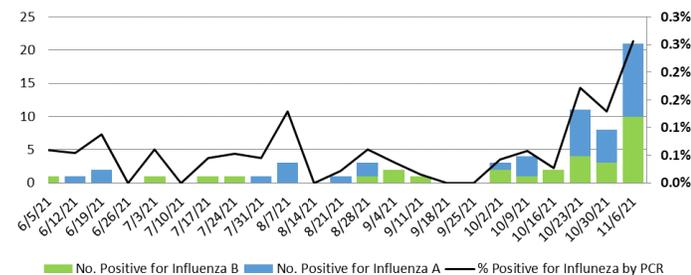
- RSV and Rhinovirus/Enterovirus activity remain high in Wisconsin.
- SARS-CoV-2 activity remains high in Wisconsin.
- Over 99% of the SARS-CoV-2 viruses sequenced recently are the Delta variant of concern.
- A small but increasing number of specimens have tested positive for influenza in Wisconsin

- In Wisconsin, SARS-CoV-2 positivity was 6.7% of the 78,671 specimens tested by PCR and reported to WSLH.
- In the US, the 7 day average SARS-CoV-2 percent positivity is 5.0%.
- Wisconsin genomic sequencing data showed the Delta [B.1.617.2 and its sublineages] variant of concern was by far the predominant lineage detected (>99%).
- The WSLH sequencing dashboard is available at <https://dataportal.slh.wisc.edu/sc2dashboard>
- In the US, the influenza positivity rate is 0.3%

% Positive SARS-CoV-2 by PCR (Wisconsin), January 2021 to Week Ending November 6, 2021



% Positive for Influenza by PCR (Wisconsin), Week Ending November 6, 2021



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

1. Please send all positive influenza specimens for further characterization.
2. Please send a maximum of 5 SARS-CoV-2 specimens per week.

Other Surveillance Data-Wisconsin

Week Ending November 6, 2021*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	78,671	6.7
Rhinovirus/Enterovirus	1178	22.2
RSV	4844	15.1 ↓
Parainfluenza	1215	5.5
Seasonal coronaviruses	263	1.5
Adenovirus	263	<1
Human metapneumovirus	1228	<1
Influenza	8187	<1
<i>B. pertussis</i>	366	<1

Respiratory

- SARS-CoV-2 activity in WI remains high.
- Rhinovirus/Enterovirus activity remains high.
- RSV activity is decreasing but remains high

Gastropathogens

- Activity for all gastropathogens in WI is low.
- Others detected included: EPEC (9.4%), EAEC (1.1%), ETEC (1.7%), Adenovirus 40/41 (<1%) and Astrovirus (2.3%).

Week Ending November 6, 2021*

GI Pathogen PCR	# Tested	% Positive
<i>Cryptosporidium</i>	403	3
Norovirus	477	2.5
<i>Campylobacter</i>	653	2.0
Sapovirus	351	1.4
STEC	595	1.2
<i>Salmonella</i>	653	1.1
<i>Shigella</i>	582	<1
<i>Giardia</i>	403	<1
Rotavirus	21	0
<i>E. coli</i> 0157	352	0
<i>Cyclospora</i>	327	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.