

Laboratory Surveillance Report

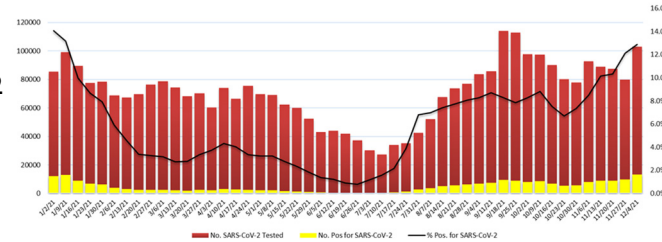
SARS-CoV-2 & Influenza Surveillance Updates

Surveillance Data Synopsis

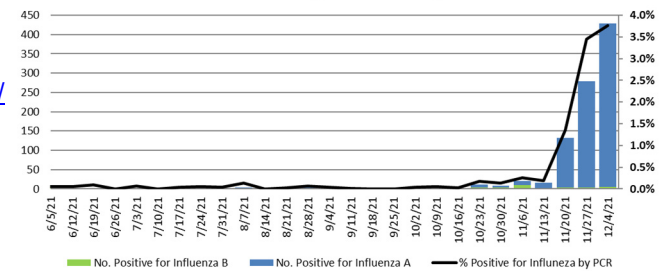
- **Rhinovirus/Enterovirus activity remains high in Wisconsin.**
- **SARS-CoV-2 activity remains high in Wisconsin.**
- **The Omicron variant has been detected in WI.**
- **Delta variant was the predominant lineage detected (>99%).**
- **Influenza activity is increasing nationally and in Wisconsin.**
- **The dominant Influenza subtype is H3N2.**

- In Wisconsin, SARS-CoV-2 positivity was 12.9% of the 103,083 specimens tested by PCR and reported to WSLH.
- In the US, the 7 day average SARS-CoV-2 percent positivity is 7.5%.
- Wisconsin genomic sequencing data showed the Delta [B.1.617.2 and its sub-lineages] 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 2.6%

% Positive SARS-CoV-2 by PCR (Wisconsin), January 2021 to Week Ending December 4, 2021



% Positive for Influenza by PCR (Wisconsin), June 2021 to Week Ending December 4, 2021



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

1. A sampling of specimens from influenza-related hospitalizations (e.g. 1 per week).
2. Specimens that fail to subtype (Ct <35) if subtyping for 2009 pdmH1 and H3 were performed.
3. Please send **a maximum of 5** SARS-CoV-2 specimens per week. Please prioritize specimens with international travel.



Other Surveillance Data-Wisconsin

Week Ending December 4, 2021*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	103083	12.9
Rhinovirus/ Enterovirus	1278	17.1
RSV	6450	6.3↓
Parainfluenza	1319	4.3
Influenza	11367	3.8
Seasonal coronaviruses	278	2.5
Adenovirus	278	0.7
Human metapneumovirus	1332	0.8
<i>B. pertussis</i>	505	0.0

Respiratory

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

Gastropathogens

- Others detected included: EPEC (6.8%), EAEC (1.3%), Adenovirus 40/41 (1%), Aeromonas (1.1%), Astrovirus (4.5%), Plesiomonas shigelloides (<1%), *Y. enterocolitica* (<1%)

Week Ending December 4, 2021*

GI Pathogen PCR	# Tested	% Positive
Norovirus	442	5.4
Sapovirus	332	4.8
Rotavirus	25	1.5
<i>Cryptosporidium</i>	398	1.5
<i>Salmonella</i>	625	1.4
<i>Campylobacter</i>	625	1.1
STEC	514	0.6
<i>Giardia</i>	398	0.5
<i>Shigella</i>	217	0.0
<i>E. coli</i> 0157	308	0.0
<i>Cyclospora</i>	308	0.0

* 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.