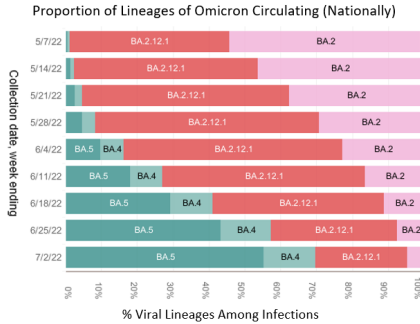


Laboratory Surveillance Report

SARS-CoV-2 & Influenza Surveillance Updates:

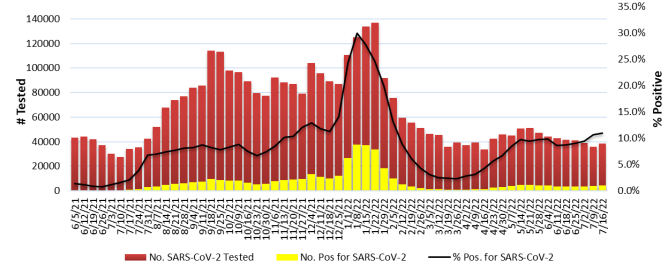
SARS-CoV-2

- SARS-CoV-2 activity is high in Wisconsin (10.9%) and nationally (17.3%).
- Omicron lineage BA.5 [and its sublineages] was the predominant lineage detected in Wisconsin (52%) and nationally (55%).



<https://covid.cdc.gov/covid-data-tracker/#variant-proportions>

% Positive SARS-CoV-2 by PCR (Wisconsin), June 2021 to Week Ending July 16, 2022



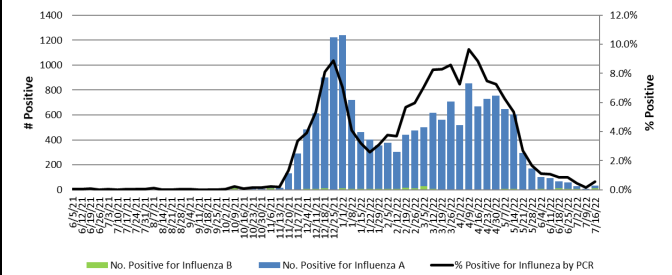
Influenza

- Influenza activity is low in Wisconsin (0.5%) and nationally (0.7%).
- The dominant Influenza subtype is H3N2.

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

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

% Positive for Influenza by PCR (Wisconsin), June 2021 to Week Ending July 16, 2022



Links:

- The WSLH sequencing dashboard is available here: <https://dataportal.slh.wisc.edu/sc2dashboard>
- A current summary of COVID-19 data for Wisconsin can be found here: <https://www.dhs.wisconsin.gov/covid-19/data.htm>
- The influenza, RSV and respiratory virus activity graphs can be viewed here: <http://www.slh.wisc.edu/wcln-surveillance/surveillance/virology-surveillance/>
- The bacterial, viral and parasitic activity graphs can be viewed here: <http://www.slh.wisc.edu/wcln-surveillance/surveillance/gastropathogen-surveillance/>

Week Ending July 16, 2022*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	38647	10.9
Rhinovirus/ Enterovirus	591	10.5
Parainfluenza	587	4.1
RSV	2905	1.9
Adenovirus	61	1.6
<i>B. pertussis</i>	228	0.9
Influenza	6041	0.5
Human metapneumovirus	598	0.2
Seasonal coronaviruses	61	0.0

Other Surveillance Data-Wisconsin:

Respiratory pathogens

- SARS-CoV-2 activity in WI is high
- Seasonal respiratory virus activities are high including rhinoviruses/enteroviruses and parainfluenza viruses

Gastropathogens

- Other pathogens detected include: EPEC (10.4%), EAEC (3.2%), ETEC (2.1%), *Plesiomonas shigelloides* (1.0%), *Yersinia enterocolitica* (0.6%), Astrovirus (0.3%) EIEC (0.3%) and Adeno 40/41 (0.3%).

Week Ending July 16, 2022*

GI Pathogen PCR	# Tested	% Positive
<i>Campylobacter</i>	504	5.4
<i>Salmonella</i>	504	4.0
<i>Cyclospora</i>	347	2.3
Norovirus	473	2.1
Sapovirus	366	1.9
<i>Cryptosporidium</i>	432	1.4
STEC	467	1.1
<i>Giardia</i>	432	0.7
Rotavirus	470	0.4
<i>Shigella</i>	237	0.0
<i>E. coli</i> 0157	147	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.