

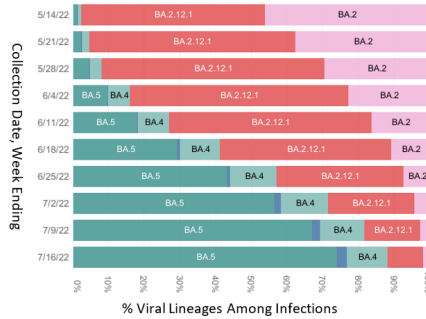
Laboratory Surveillance Report

SARS-CoV-2 & Influenza Surveillance Updates:

SARS-CoV-2

- SARS-CoV-2 activity is high in Wisconsin (11.4%) and nationally (18.1%).
- Omicron lineage BA.5 [and its sublineages] was the predominant lineage detected in Wisconsin (66%) and nationally (74%).

Proportion of Lineages of Omicron Circulating (Nationally)

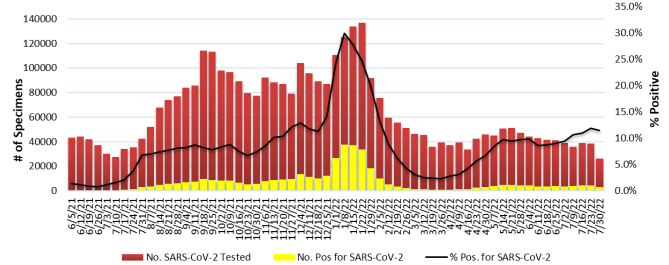


<https://covid.cdc.gov/covid-data-tracker/#variant-proportions>

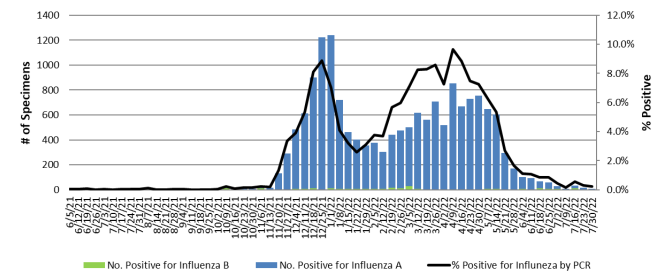
To enhance surveillance activities, the WSLH asks labs to please send:

- 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 SARS-CoV-2 by PCR (Wisconsin), June 2021 to Week Ending July 30, 2022



% Positive for Influenza by PCR (Wisconsin), June 2021 to Week Ending July 30, 2022



Influenza

- Influenza activity is low in Wisconsin (0.2%) and nationally (0.5%).
- The dominant Influenza subtype is H3N2.

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 30, 2022*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	26242	11.4
Rhinovirus/ Enterovirus	543	9.0
Parainfluenza	312	5.8
Adenovirus	67	3.0
RSV	1239	2.3
Human metapneumovirus	310	1.3
Influenza	3316	0.2
<i>B. pertussis</i>	233	0.0
Seasonal coronaviruses	67	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 (13.5%), EAEC (1.4%), ETEC (3.4%), *Plesiomonas shigelloides* (1.5%), *Yersinia enterocolitica* (0.5%) and Astrovirus (2.2%)

Week Ending July 30, 2022*

GI Pathogen PCR	# Tested	% Positive
<i>Cryptosporidium</i>	111	5.4
<i>Campylobacter</i>	218	4.6
<i>Salmonella</i>	218	2.3
STEC	218	2.3
Norovirus	161	1.2
<i>E. coli</i> 0157	69	1.4
Sapovirus	88	1.1
<i>Shigella</i>	140	0.7
<i>Giardia</i>	111	0.0
Rotavirus	161	0.0
<i>Cyclospora</i>	69	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.