

# Laboratory Surveillance Report

## SARS-CoV-2 & Influenza Surveillance Updates:

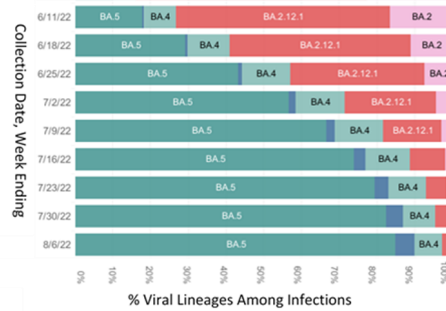
### SARS-CoV-2

- SARS-CoV-2 activity is high in Wisconsin (10.3%) and nationally (14.6%).
- Omicron lineage BA.5 [and its sublineages] was the predominant lineage detected nationally (85-90%).

### Influenza

- Influenza activity is low in Wisconsin (0.1%) and nationally (0.5%).
- The dominant Influenza subtype is H3N2.

Proportion of Lineages of Omicron Circulating (Nationally)

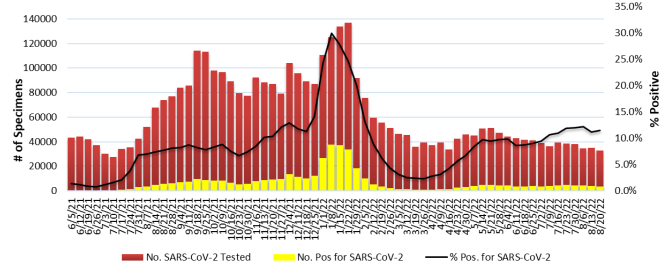


<https://covid.cdc.gov/covid-data-tracker/#variant-proportions>

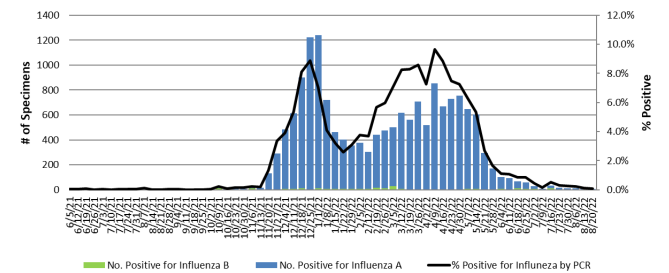
### To enhance surveillance activities, the WSLH asks labs to please send:

- 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 August 20, 2022



% Positive for Influenza by PCR (Wisconsin), June 2021 to Week Ending August 20, 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 August 20, 2022\*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	32978	10.3
Rhinovirus/ Enterovirus	523	18.7↑
Adenovirus	55	5.5
RSV	2155	2.0
Parainfluenza	563	1.6
Human metapneumovirus	574	0.3
Influenza	4799	0.1
<i>B. pertussis</i>	177	0.0
Seasonal coronaviruses	55	0.0

## Other Surveillance Data-Wisconsin:

### Respiratory pathogens

- SARS-CoV-2 activity in WI is high
- Rhinovirus/enterovirus activity is high

### Gastropathogens

- Other pathogens detected include: EPEC (16.5%), EAEC (2.3%), ETEC (2.1%), *Aeromonas* (1.6%), *Plesiomonas shigelloides* (0.6%), *Yersinia enterocolitica* (0.6%), Astrovirus (0.6%) and Adenovirus 40/41 (0.3%),

### Week Ending August 20, 2022\*

GI Pathogen PCR	# Tested	% Positive
<i>Campylobacter</i>	358	4.5
<i>Cryptosporidium</i>	384	4.4
Norovirus	325	3.4
<i>Salmonella</i>	358	2.2
Sapovirus	315	1.6
STEC	358	1.1
<i>Giardia</i>	384	1.0
<i>E. coli</i> 0157	132	0.8
Rotavirus	323	0.6
<i>Cyclospora</i>	304	0.3
<i>Shigella</i>	110	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.