

# Laboratory Surveillance Report

## SARS-CoV-2

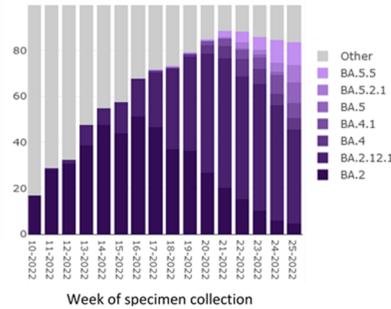
- SARS-CoV-2 activity is high in Wisconsin (9.2%) and nationally (17.5%).
- Omicron BA.2 [and its sublineages] was the predominant sublineage detected in Wisconsin (46%).
- The proportions of Omicron sublineages BA.4 and BA.5 [and their sublineages] are increasing in Wisconsin (40%) and nationally (55%).

## Influenza

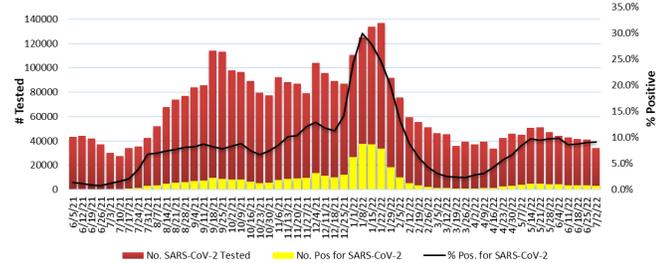
- Influenza activity is decreasing in Wisconsin (0.5%) and nationally (1.4%).
- The dominant Influenza sub-type is H3N2.

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

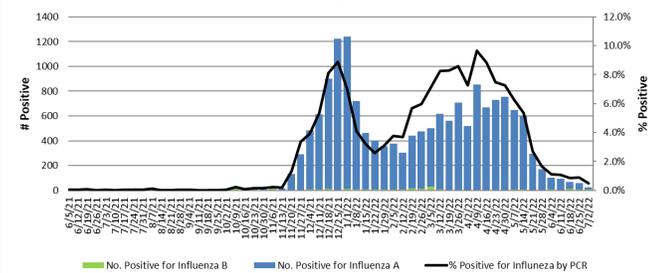
Proportion of Sublineages of Omicron Circulating (Wisconsin)



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



% Positive for Influenza by PCR (Wisconsin), June 2021 to Week Ending July 2, 2022



### 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. Influenza A specimens that fail to subtype (Ct <35) if subtyping for 2009 pdmH1 and H3 were performed.
3. Please send up to 5 SARS-CoV-2 specimens per week.

## 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 2, 2022\*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	34157	9.2
Rhinovirus/ Enterovirus	469	10.0
Parainfluenza	494	6.3
Seasonal coronaviruses	75	2.7
Adenovirus	75	1.3
RSV	2215	1.3
Human metapneumovirus	502	0.6
Influenza	5400	0.5
<i>B. pertussis</i>	290	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 (6.6%), EAEC (2.3%), Astrovirus (0.7%) and ETEC (0.6%).

### Week Ending July 2, 2022\*

GI Pathogen PCR	# Tested	% Positive
Norovirus	336	4.8
<i>Campylobacter</i>	371	3.2
<i>Cyclospora</i>	291	2.7
<i>Salmonella</i>	371	1.9
STEC	371	0.8
<i>Cryptosporidium</i>	361	0.8
<i>E. coli</i> 0157	134	0.7
Sapovirus	299	0.7
Rotavirus	333	0.6
<i>Shigella</i>	142	0.0
<i>Giardia</i>	359	0.3

\* 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.