

# Laboratory Surveillance Report

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

### Influenza

- Influenza activity is **very high** in Wisconsin (31.6%) and nationally (24.4%).
- H3N2 (78%) is the dominant Influenza A subtype circulating.
- There is an increase in non-mumps parotitis, which may be due to influenza. Consider influenza testing for patients with non-mumps parotitis.

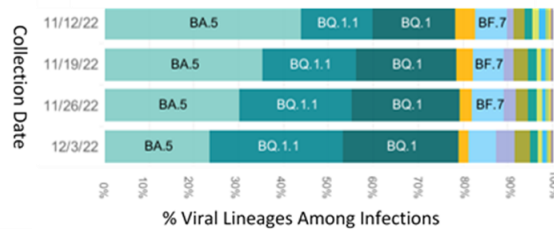
### SARS-CoV-2

- SARS-CoV-2 activity is high in Wisconsin (8.7%) and nationally (12.2%).

To enhance surveillance activities, each week please send:

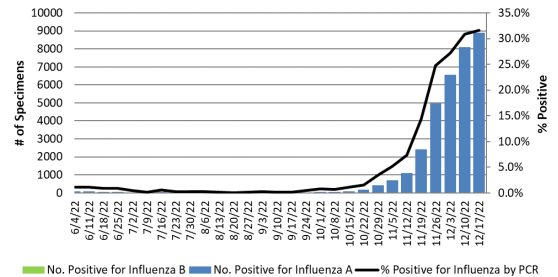
- **PCR/Molecular Testing sites:**
  - ◊ One Influenza-related hospitalization
  - ◊ Influenza A specimens that fail to subtype (Ct <35)
- **All Testing Sites:**
  - ◊ Up to 5 SARS-CoV-2 positive specimens

Proportion of Lineages of Omicron Circulating (Nationally)

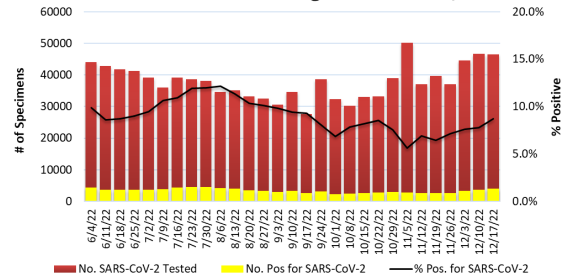


<https://covid.cdc.gov/covid-data-tracker/#variant-proportions>

% Positive for Influenza by PCR (Wisconsin), June 2022 to Week Ending December 17, 2022



% Positive SARS-CoV-2 by PCR (Wisconsin), June 2022 to Week Ending December 17, 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 December 17, 2022\*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	46466	8.7
Influenza	28111	31.6
Rhinovirus/Enterovirus	1428	11.4
RSV	19081	7.4
Seasonal coronaviruses	180	5.6
Adenovirus	180	4.4
Parainfluenza	1486	3.6
Human metapneumovirus	1417	0.7
<i>B. pertussis</i>	1061	0.1

## Other Surveillance Data-Wisconsin:

### Respiratory pathogens

- Influenza activity in WI is very high.
- SARS-CoV-2, RSV and Rhinovirus/Enterovirus activities are high.

### Gastropathogens

- Other pathogens detected include: EPEC (3.4%), EAEC (2.1%), ETEC (1.8%), Adenovirus 40/41 (1.3%), Astrovirus (1.2%), *Yersinia enterocolitica* (0.5%), and *Plesiomonas shigelloides* (0.3%).

### Week Ending December 17, 2022\*

GI Pathogen PCR	# Tested	% Positive
Sapovirus	257	5.1
Norovirus	338	4.4
<i>Salmonella</i>	388	2.3
<i>Campylobacter</i>	388	1.8
STEC	388	1.8
<i>E. coli</i> O157	82	1.2
<i>Cryptosporidium</i>	318	0.3
<i>Shigella</i>	334	0.3
Rotavirus	334	0.6
<i>Cyclospora</i>	239	0.0
<i>Giardia</i>	318	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.