

Laboratory Surveillance Report

SARS-CoV-2 & Influenza Surveillance Updates:

Influenza

- Influenza activity is **very high** in Wisconsin (27.2%) and nationally (24.8%).
- H3N2 (76%) 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.

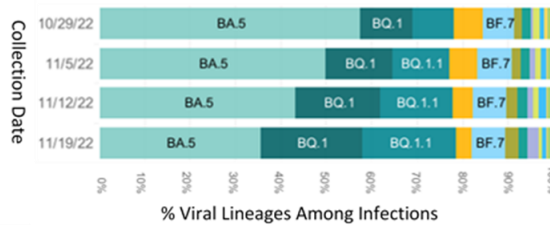
SARS-CoV-2

- SARS-CoV-2 activity is high in Wisconsin (7.6%) and nationally (11.7%).

To enhance surveillance activities, each week please send:

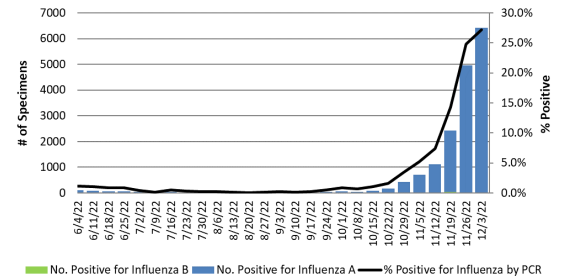
- **PCR/Molecular Testing sites:**
 - ◊ One Influenza-related hospitalization
 - ◊ Influenza A specimens that fail to subtype (Ct <35)
- **All Testing Sites:**
 - ◊ Up to 5 SARS-CoV-2 positive specimens

Proportion of Lineages of Omicron Circulating (Nationally)

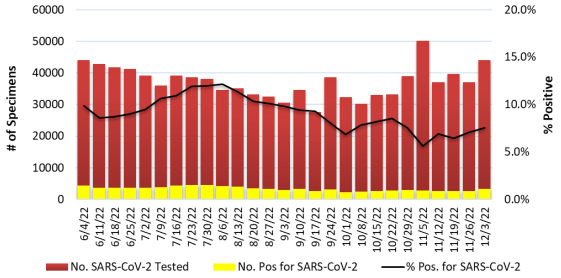


<https://covid.cdc.gov/covid-data-tracker/#variant-proportions>

% Positive for Influenza by PCR (Wisconsin), June 2022 to Week Ending December 3, 2022



% Positive SARS-CoV-2 by PCR (Wisconsin), June 2022 to Week Ending December 3, 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 3, 2022*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	44063	7.6
Influenza	23632	27.2
RSV	16875	13.2
Rhinovirus/Enterovirus	1588	12.4
Parainfluenza	1471	6.3
Adenovirus	119	3.4
Seasonal coronaviruses	119	0.8
Human metapneumovirus	1487	0.2
<i>B. pertussis</i>	752	0.0

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 (5.2%), EAEC (2.0%), ETEC (2.0%), *Yersinia enterocolitica* (0.5%), Astrovirus (0.4%), *Vibrio cholera* (0.4%) and *Entamoeba Histolytica* (0.3%).

Week Ending December 3, 2022*

GI Pathogen PCR	# Tested	% Positive
<i>Campylobacter</i>	383	1.3
Norovirus	335	4.2
Sapovirus	261	3.8
<i>Salmonella</i>	383	1.3
STEC	383	0.5
<i>Cryptosporidium</i>	334	1.5
<i>Giardia</i>	334	2.4
<i>Cyclospora</i>	252	0.0
<i>E. coli</i> 0157	108	0.0
<i>Shigella</i>	314	0.0
Rotavirus	335	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.