

Laboratory Surveillance Report

Influenza

- Influenza activity is **increasing** in Wisconsin (5.3%) and nationally (12.8%).
- H3N2 (75%) is the dominant Influenza A subtype circulating.

SARS-CoV-2

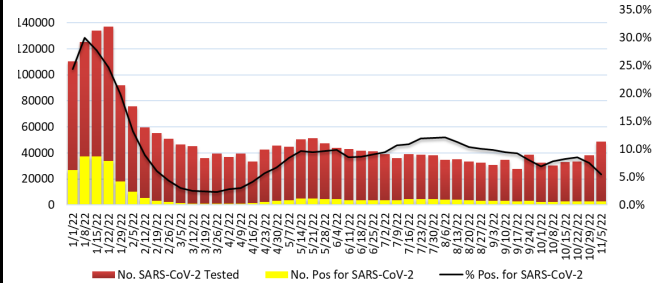
- SARS-CoV-2 activity is high in Wisconsin (5.5%) and nationally (8.8%).
- Omicron lineage BA.5 was the predominant lineage detected nationally (~65%).

SARS-CoV-2 & Influenza Surveillance Updates:

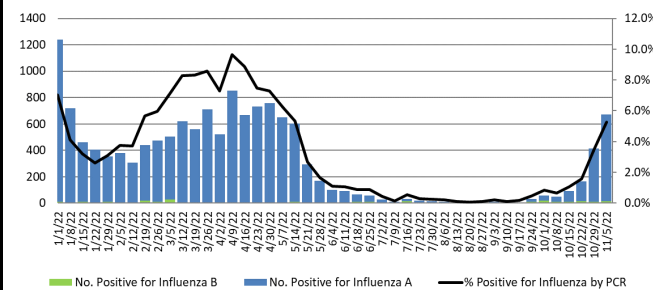
To enhance surveillance activities, please send:

- **PCR/Molecular Testing sites:**
 - ◊ **One Influenza-related hospitalization per week**
 - ◊ Influenza A specimens that fail to subtype (Ct <35)
- **University Health Sites:**
 - ◊ Up to 3 symptomatic specimens per week
- **All Testing Sites:**
 - ◊ **Up to 5** SARS-CoV-2 positive specimens per week
 - ◊ Influenza A positive specimens with:
 - International travel history
 - Swine/Avian exposure

% Positive SARS-CoV-2 by PCR (Wisconsin), January 2022 to Week Ending November 05, 2022



% Positive for Influenza by PCR (Wisconsin), January 2022 to Week Ending November 05, 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 November 05, 2022*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	48677	5.5
RSV	8400	27.1
Rhinovirus/ Enterovirus	1117	21.2
Parainfluenza	1117	10.5
Influenza	12778	5.3
Adenovirus	152	3.3
Seasonal coronaviruses	152	0.7
Human metapneumovirus	1117	0.2
<i>B. pertussis</i>	626	0.0

Other Surveillance Data-Wisconsin:

Respiratory pathogens

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

Gastropathogens

- Other pathogens detected include: EPEC (7.7%), EAEC (2.2%), EIEC (0.7%), ETEC (0.6%), Astrovirus (0.4%) and *Plesiomonas shigelloides* (0.3%).

Week Ending November 05, 2022*

GI Pathogen PCR	# Tested	% Positive
<i>Campylobacter</i>	393	2.8
Norovirus	343	2.0
Sapovirus	275	1.9
<i>Cryptosporidium</i>	361	1.9
<i>Giardia</i>	361	1.4
STEC	393	1.3
<i>Salmonella</i>	393	1.0
<i>E. coli</i> O157	120	0.8
<i>Shigella</i>	308	0.3
Rotavirus	341	0.3
<i>Cyclospora</i>	275	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.