

# Laboratory Surveillance Report

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

### Influenza

- Influenza activity is **increasing** in Wisconsin (1.6%) and nationally (6.2%).
- H3N2 (75%) is the dominant Influenza A subtype circulating, but the percentage of H1pdm09 infections is increasing (25%).

### SARS-CoV-2

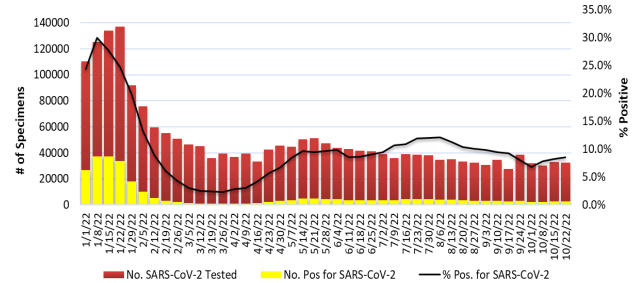
- SARS-CoV-2 activity is high in Wisconsin (8.5%) and nationally (8.5%).
- Omicron lineage BA.5 was the predominant lineage detected nationally (~74%).

**NEW**

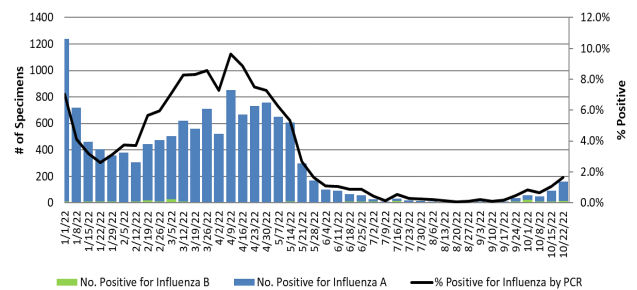
To enhance surveillance activities, please send:

- **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 October 22, 2022



% Positive for Influenza by PCR (Wisconsin), January 2022 to Week Ending October 22, 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 October 22, 2022\*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	32427	8.5
Rhinovirus/Enterovirus	1000	23.4
RSV	5666	22.6
Parainfluenza	1054	7.2
Adenovirus	125	4.8
Influenza	9816	1.6
Seasonal coronaviruses	125	0.8
Human metapneumovirus	1038	0.3
<i>B. pertussis</i>	511	0.0

## Other Surveillance Data-Wisconsin:

### Respiratory pathogens

- SARS-CoV-2 activity in WI is high
- Rhinovirus/Enterovirus activity is very high

### Gastropathogens

- Other pathogens detected include: EPEC (9.8%), ETEC (1.4%), EAEC (4.0%), Adenovirus 40/41 (0.4%), and *Yersinia enterocolitica* (0.6%).

### Week Ending October 22, 2022\*

GI Pathogen PCR	# Tested	% Positive
<i>Campylobacter</i>	365	3.0
Norovirus	326	2.5
Sapovirus	256	1.6
<i>Giardia</i>	319	1.6
STEC	365	1.4
<i>Salmonella</i>	365	1.1
<i>Cryptosporidium</i>	319	0.6
<i>E. coli</i> O157	97	0.0
<i>Shigella</i>	307	0.0
Rotavirus	325	0.0
<i>Cyclospora</i>	247	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.