

# Laboratory Surveillance Report

## SARS-CoV-2 & Influenza Surveillance Updates

### Surveillance Data Synopsis

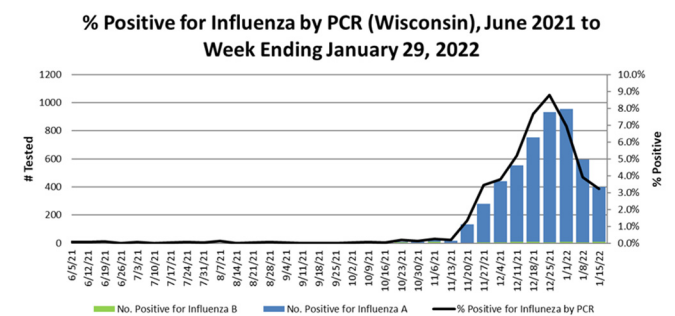
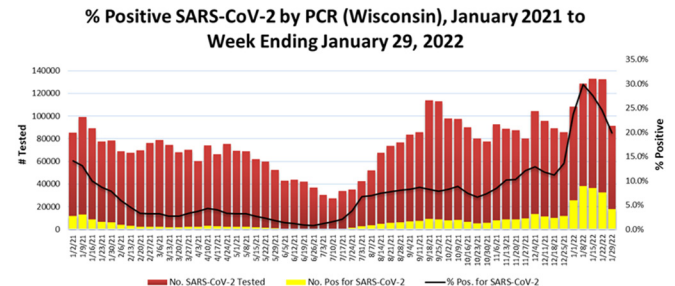
#### SARS-CoV-2

- SARS-CoV-2 activity is high in Wisconsin.
- Omicron variant was the predominant lineage detected in Wisconsin (99.2%) and nationally (99.9%).

#### Influenza

- Influenza activity is decreasing in Wisconsin (3.1%) and nationally (1.7%).
- The dominant Influenza subtype is H3N2.

- In Wisconsin, SARS-CoV-2 positivity was 19.9% of the 91,297 specimens tested by PCR and reported to WSLH.
- In the US, the 7 day average SARS-CoV-2 percent positivity is 24.5%.
- Wisconsin genomic sequencing data showed Omicron [B.1.1.529/BA.1 and its sublineages] as the predominant lineage of SARS-CoV-2 detected (99.2%)
- The WSLH sequencing dashboard is available [here](https://dataportal.slh.wisc.edu/sc2dashboard): <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): <https://www.dhs.wisconsin.gov/covid-19/data.htm>
- In the US, the influenza positivity rate is 1.7%.



### To enhance surveillance activities, the WSLH asks labs to please send:

- A sampling of specimens from influenza-related hospitalizations (e.g. 1 per week).
- Influenza A specimens that fail to subtype (Ct <35) if subtyping for 2009 pdmH1 and H3 were performed.
- Please send [a maximum of 5](#) SARS-CoV-2 specimens per week.

## Other Surveillance Data-Wisconsin

### Week Ending January 29, 2022\*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	91297	19.9↓
Seasonal coronaviruses	170	5.3
Rhinovirus/ Enterovirus	885	4.7
Human metapneumovirus	922	4.3
Influenza	10192	3.1
RSV	4162	2.1
Parainfluenza	913	1.8
Adenovirus	170	0.0
<i>B. pertussis</i>	264	0.0

### Respiratory pathogens

- SARS-CoV-2 activity in WI is high, but decreasing.
- The influenza, RSV and respiratory virus activity graphs can be viewed [here](http://www.slh.wisc.edu/wcln-surveillance/surveillance/virology-surveillance/): <http://www.slh.wisc.edu/wcln-surveillance/surveillance/virology-surveillance/>



### Gastropathogens

- Others detected included: Astrovirus (3.0%), EPEC (2.9%), Adenovirus 40/41 (2.2%), EAEC (1.2%), *Yersinia enterocolitica* (0.7%) and ETEC (0.6%).
- The bacterial, viral and parasitic activity graphs can be viewed [here](http://www.slh.wisc.edu/wcln-surveillance/surveillance/gastropathogen-surveillance/): <http://www.slh.wisc.edu/wcln-surveillance/surveillance/gastropathogen-surveillance/>

### Week Ending January 29, 2022\*

GI Pathogen PCR	# Tested	% Positive
Norovirus	230	7.8
Rotavirus	230	4.8
<i>Campylobacter</i>	336	2.7
<i>Cryptosporidium</i>	163	1.2
Sapovirus	135	0.7
STEC	336	0.6
<i>Salmonella</i>	336	0.3
<i>Giardia</i>	163	0.0
<i>Shigella</i>	279	0.0
<i>E. coli</i> 0157	170	0.0
<i>Cyclospora</i>	125	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.