

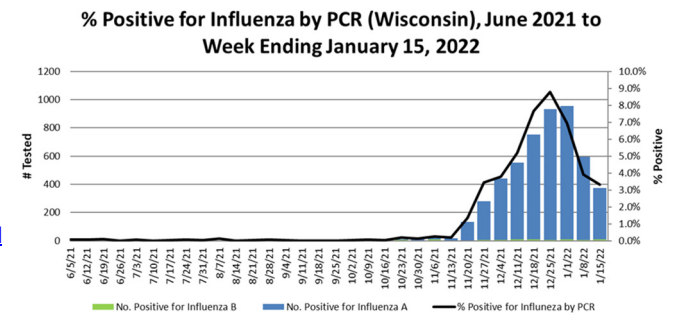
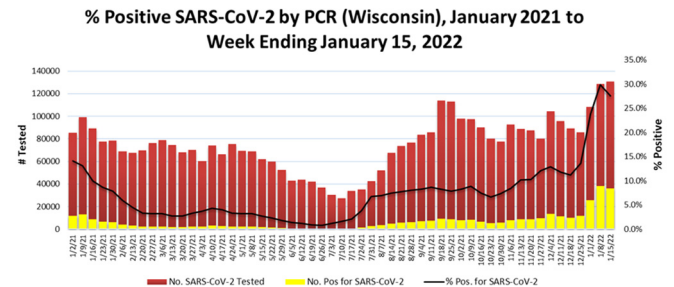
# Laboratory Surveillance Report

## SARS-CoV-2 & Influenza Surveillance Updates

### Surveillance Data Synopsis

- **SARS-CoV-2 activity is high in Wisconsin.**
- **Omicron variant was the predominant lineage detected in Wisconsin (96%) and nationally (99.5%).**
- **The proportion of Delta variant is decreasing in Wisconsin (4%)**
- **Influenza activity is decreasing in Wisconsin (3.3%) and nationally (1.8%).**
- **The dominant Influenza subtype is H3N2.**

- In Wisconsin, SARS-CoV-2 positivity was 27.5% of the 130,612 specimens tested by PCR and reported to WSLH.
- In the US, the 7 day average SARS-CoV-2 percent positivity is 27.2%.
- Wisconsin genomic sequencing data showed Omicron [B.1.1.529/BA.1 and its sublineages] as the predominant lineage of SARS-CoV-2 detected (96%)
- The percentage of Delta [B.1.617.2 and its sublineages] in Wisconsin is decreasing (4%)
- The WSLH sequencing dashboard is available at <https://dataportal.slh.wisc.edu/sc2dashboard>
- In the US, the influenza positivity rate is 1.8%



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

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

## Other Surveillance Data-Wisconsin

### Week Ending January 15, 2022\*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	130,612	27.5
Seasonal coronaviruses	298	9.7↑
Rhinovirus/ Enterovirus	1194	6.7↓
Influenza	11,225	3.3↓
RSV	5468	2.7
Human metapneumovirus	1232	2.6
Parainfluenza	1225	2.4
Adenovirus	298	0.7
<i>B. pertussis</i>	440	0

### Respiratory

- SARS-CoV-2 activity in WI is high.
- Influenza activity in WI is decreasing (3.3%)
- Seasonal coronavirus activity in WI is increasing.

### Gastropathogens

- Others detected included: Astrovirus (4.4%), EPEC (3.6%), ETEC (1.4%), *Aeromonas* (1.3%), EAEC (1.0%), Adenovirus 40/41 (0.3%), *Plesiomonas shigelloides* (0.3%), *Entamoeba histolytica* (0.3%) and *Yersinia enterocolitica* (0.2%)

### Week Ending January 15, 2022\*

GI Pathogen PCR	# Tested	% Positive
Norovirus	391	8.7↑
Rotavirus	387	4.1
Sapovirus	318	1.9
<i>Campylobacter</i>	480	1.9
<i>Giardia</i>	374	0.8
<i>Cryptosporidium</i>	374	0.8
<i>Shigella</i>	425	0.5
STEC	480	0.4
<i>Salmonella</i>	480	0.4
<i>E. coli</i> O157	306	0
<i>Cyclospora</i>	306	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.