

Laboratory Surveillance Report

SARS-CoV-2 & Influenza Surveillance Updates:

SARS-CoV-2

- SARS-CoV-2 activity is high in Wisconsin (9.5%) and nationally (10.6%).
- Omicron [B.1.1.529/BA.1 and its sublineages] was the predominant variant detected in Wisconsin (>99%) and nationally (100%).
- The proportion of Omicron sublineage BA.2 and its sublineages is increasing in Wisconsin (>90%).

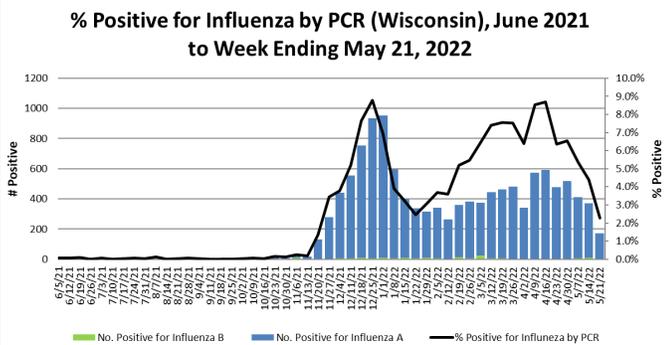
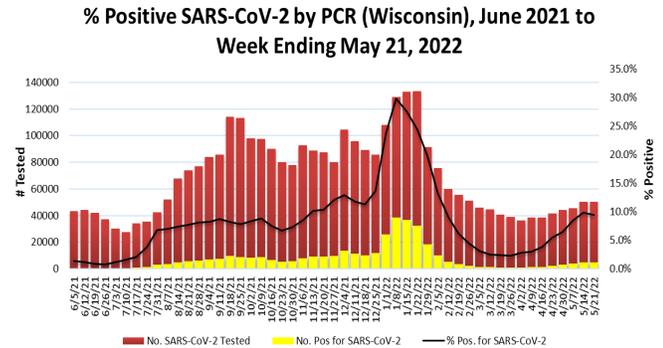
Influenza

- Influenza activity is decreasing in Wisconsin (2.3%) and nationally (6.4%).
- The dominant Influenza sub-type is H3N2.


30th Annual
Wisconsin Virology Conference
 Monday June 27th, 2022
 Registration open NOW: [CLICK HERE](#)

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 up to 5 SARS-CoV-2 specimens per week.



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 May 21, 2022*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	50272	9.5
Parainfluenza	783	13.3 ↑
Rhinovirus/ Enterovirus	742	13.2
Human metapneumovirus	798	3.6
Seasonal coronaviruses	172	2.9
Influenza A	7593	2.3
Adenovirus	172	1.2
RSV	3730	1.2
<i>B. pertussis</i>	221	0.0

Other Surveillance Data-Wisconsin:

Respiratory pathogens

- SARS-CoV-2 activity in WI is high
- Seasonal respiratory virus activities are high including parainfluenza viruses, and rhinoviruses/enteroviruses.

Gastropathogens

- Other pathogens detected include: EPEC (4.4%), Adenovirus 40/41 (1.8%), ETEC (1.5%), EAEC (1.4%), Astrovirus (1.1%), *Yersinia enterocolitica* (06%), *Plesiomonas shigelloides* (0.2%)

Week Ending May 21, 2022*

GI Pathogen PCR	# Tested	% Positive
Norovirus	502	6.4
Rotavirus	485	5.8
<i>Salmonella</i>	530	2.3
<i>Campylobacter</i>	543	1.7
Sapovirus	380	1.1
<i>Giardia</i>	431	0.7
<i>Cryptosporidium</i>	431	0.5
STEC	461	0.2
<i>E. coli</i> 0157	364	0.0
<i>Shigella</i>	476	0.0
<i>Cyclospora</i>	364	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.