

Laboratory Surveillance Report

SARS-CoV-2

- SARS-CoV-2 activity is high in Wisconsin (9.9%) and nationally (13.3%).
- Omicron BA.2 [and its sublineages] was the predominant sublineage detected in Wisconsin (>99%) and nationally (100%).
- The proportions of Omicron sublineages BA.4 and BA.5 are low, but increasing in Wisconsin (<15%).

Influenza

- Influenza activity is decreasing in Wisconsin (1.1%) and nationally (5.9%).
- The dominant Influenza sub-type is H3N2.

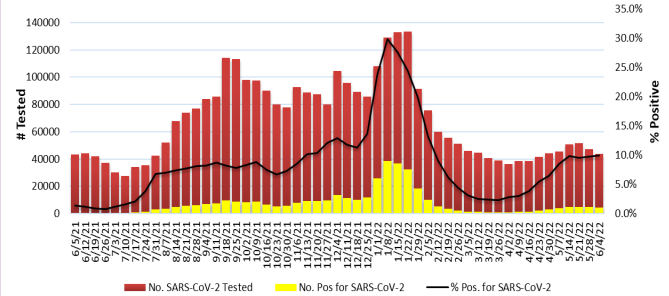
SARS-CoV-2 & Influenza Surveillance Updates:


30th Annual
Wisconsin Virology Conference
 Monday June 27th, 2022
 Registration Closes Monday June 20th
[CLICK HERE](#)

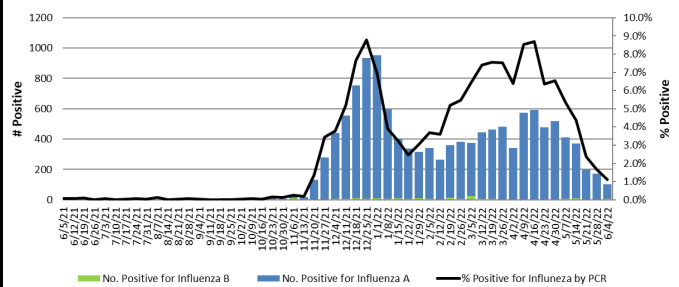
To enhance surveillance activities, the WSLH asks labs to please send:

- 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.

% Positive SARS-CoV-2 by PCR (Wisconsin), June 2021 to Week Ending June 4, 2022



% Positive for Influenza by PCR (Wisconsin), June 2021 to Week Ending June 4, 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/wcfn-surveillance/surveillance/virology-surveillance/>
- The bacterial, viral and parasitic activity graphs can be viewed here: <http://www.slh.wisc.edu/wcfn-surveillance/surveillance/gastropathogen-surveillance/>

Week Ending June 4, 2022*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	43874	9.9
Rhinovirus/Enterovirus	716	17.3↑
Parainfluenza	754	11.5
Seasonal coronaviruses	112	5.4
Adenovirus	112	4.5
Human metapneumovirus	771	3.1
RSV	3763	1.2
RSV	3763	1.2
<i>B. pertussis</i>	290	0.0

Other Surveillance Data-Wisconsin:

Respiratory pathogens

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

Gastropathogens

- Other pathogens detected include: EPEC (5.2%), EAEC (4.4%), ETEC (2.4%), Astrovirus (2.1%), Adenovirus 40/41 (1.9%), EIEC (0.7%), *Plesiomonas shigelloides* (0.6%), *Yersinia enterocolitica* (0.5%), *Entamoeba histolytica* (0.3%)

Week Ending June 4, 2022*

GI Pathogen PCR	# Tested	% Positive
Norovirus	383	3.1
Rotavirus	383	3.1
<i>Campylobacter</i>	418	2.4
<i>Cryptosporidium</i>	335	1.8
<i>Salmonella</i>	418	1.4
STEC	418	1.2
Sapovirus	286	1.0
<i>Cyclospora</i>	272	0.4
<i>Giardia</i>	488	0.2
<i>E. coli</i> O157	115	0.0
<i>Shigella</i>	188	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.