

Laboratory Surveillance Report

SARS-CoV-2 & Influenza Surveillance Updates:

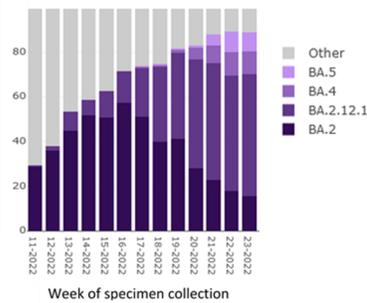
SARS-CoV-2

- SARS-CoV-2 activity is high in Wisconsin (8.6%) and nationally (13.6%).
- Omicron BA.2 [and its sublineages] was the predominant sublineage detected in Wisconsin (70%) and nationally (78%).
- The proportions of Omicron sublineages BA.4 and BA.5 are increasing in Wisconsin (19%) and nationally (24%).

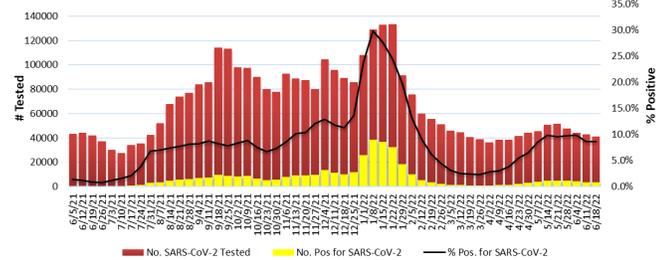
Influenza

- Influenza activity is decreasing in Wisconsin (0.9%) and nationally (2.5%).
- The dominant Influenza sub-type is H3N2.

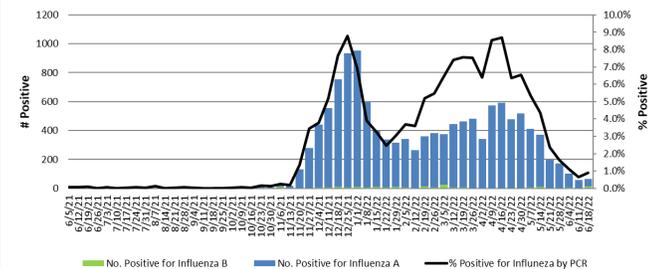
Proportion of Sublineages of Omicron Circulating (Wisconsin)



% Positive SARS-CoV-2 by PCR (Wisconsin), June 2021 to Week Ending June 18, 2022



% Positive for Influenza by PCR (Wisconsin), June 2021 to Week Ending June 18, 2022



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 June 18, 2022*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	41006	8.6
Rhinovirus/ Enterovirus	660	13.6
Parainfluenza	695	8.3
Adenovirus	95	4.2
RSV	3406	1.1
Influenza	7302	0.9
Human metapneumovirus	716	0.8
Seasonal coronaviruses	95	0.0
<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, parainfluenza viruses and adenovirus.

Gastropathogens

- Other pathogens detected include: EPEC (3.5%), ETEC (1.7%), Adenovirus 40/41 (1.6%), EAEC (1.3%), *Yersinia enterocolitica* (1.1%), Astrovirus (0.6%) and EIEC (0.6%),

Week Ending June 18, 2022*

GI Pathogen PCR	# Tested	% Positive
Norovirus	423	2.4
<i>Salmonella</i>	460	2.2
<i>Campylobacter</i>	460	2.2
STEC	460	2.0
Sapovirus	329	1.5
<i>Cryptosporidium</i>	392	1.3
<i>Cyclospora</i>	314	1.3
Rotavirus	423	0.9
<i>Shigella</i>	217	0.5
<i>Giardia</i>	392	0.0
<i>E. coli</i> 0157	160	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.