

Laboratory Surveillance Report

SARS-CoV-2

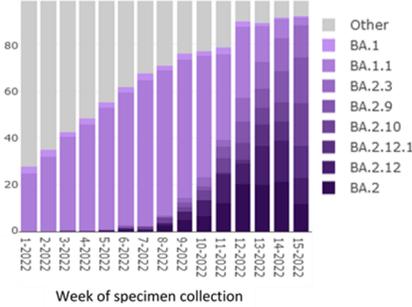
- SARS-CoV-2 activity is increasing in Wisconsin (5.3%) and nationally (6.1%).
- Omicron [B.1.1.529/BA.1 and its sublineages] was the predominant variant detected in Wisconsin (>99%) and nationally (100%).
- The proportion of Omicron sublineage BA.2 and its sublineages is increasing in Wisconsin (>80%).

Influenza

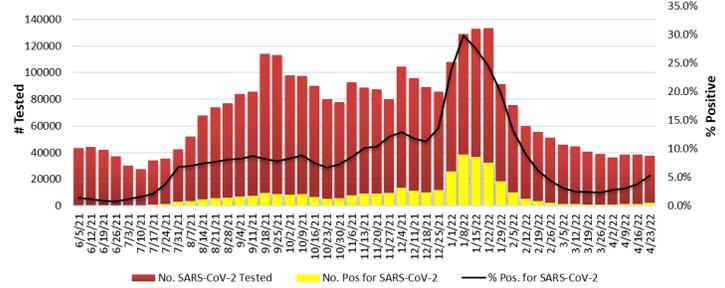
- Influenza activity is moderate in Wisconsin (5.9%) and nationally (7.8%).
- The dominant Influenza subtype is H3N2.

SARS-CoV-2 & Influenza Surveillance Updates:

Proportion of Sublineages of Omicron Circulating (Wisconsin)



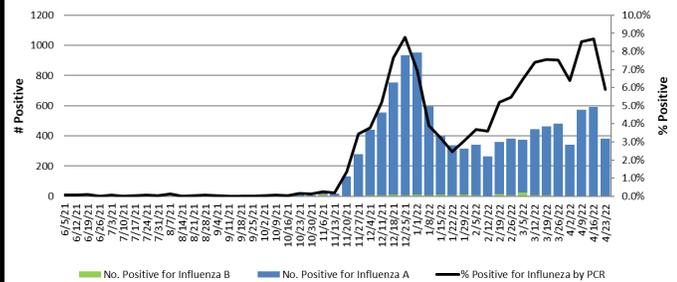
% Positive SARS-CoV-2 by PCR (Wisconsin), June 2021 to Week Ending April 23, 2022



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.

% Positive for Influenza by PCR (Wisconsin), June 2021 to Week Ending April 23, 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/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 April 23, 2022*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	37412	5.3
Rhinovirus/ Enterovirus	771	11.5
Parainfluenza	785	7.6
Human metapneumovirus	798	7.5
Seasonal coronaviruses	252	7.1
Influenza A	6492	5.9
Adenovirus	252	2.0
RSV	2842	1.0
<i>B. pertussis</i>	304	1.0

Other Surveillance Data-Wisconsin:

Respiratory pathogens

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

Gastropathogens

- Other pathogens detected include: EAEC (3.4%), EPEC (3.2%), Adenovirus 40/41 (2.2%), ETEC (1.2%), Astrovirus (0.8%), *Yersinia enterocolitica* (0.6%), *Vibrio cholerae* (0.3%).

Week Ending April 23, 2022*

GI Pathogen PCR	# Tested	% Positive
Norovirus	443	10.2
Rotavirus	425	9.6
<i>Campylobacter</i>	475	3.2
Sapovirus	390	2.3
<i>Salmonella</i>	475	1.3
<i>Cryptosporidium</i>	448	0.9
STEC	475	0.8
<i>Shigella</i>	400	0.3
<i>Giardia</i>	448	0.0
<i>E. coli</i> O157	371	0.0
<i>Cyclospora</i>	377	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.