

Laboratory Surveillance Report

SARS-CoV-2 & Influenza Surveillance Updates:

Influenza

- Influenza activity is decreasing in Wisconsin (7.5%) and nationally (4.6%).
- H3N2 (81%) is the dominant Influenza A subtype circulating.
- There is an increase in non-mumps parotitis, which may be due to influenza. Consider influenza testing for patients with non-mumps parotitis.

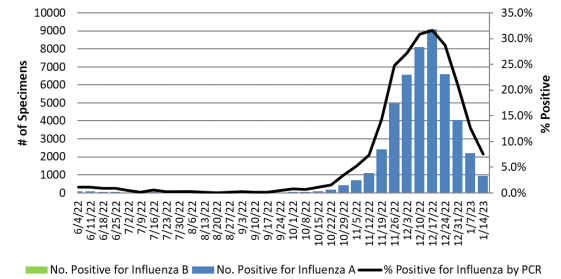
SARS-CoV-2

- SARS-CoV-2 activity is high in Wisconsin (6.9%) and nationally (12.3%).

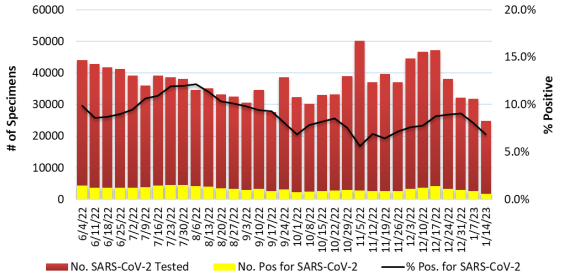
To enhance surveillance activities, each week please send:

- **PCR/Molecular Testing sites:**
 - ◊ [One Influenza-related hospitalization](#)
 - ◊ Influenza A specimens that fail to subtype (Ct <35)
- **All Testing Sites:**
 - ◊ [Up to 5](#) SARS-CoV-2 positive specimens

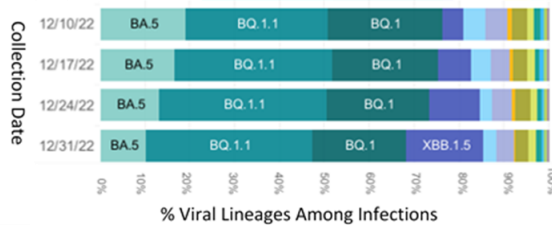
% Positive for Influenza by PCR (Wisconsin), June 2022 to Week Ending January 14, 2023



% Positive SARS-CoV-2 by PCR (Wisconsin), June 2022 to Week Ending January 14, 2023



Proportion of Lineages of Omicron Circulating (Nationally)



<https://covid.cdc.gov/covid-data-tracker/#variant-proportions>

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 January 14, 2023*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	24895	6.9
Seasonal coronaviruses	47	17.0
Rhinovirus/Enterovirus	821	7.9
Influenza	12420	7.5
Adenovirus	47	6.4
RSV	8517	5.8
Parainfluenza	852	2.2
Human metapneumovirus	813	1.8
<i>B. pertussis</i>	569	0.4

Other Surveillance Data-Wisconsin:

Respiratory pathogens

- Seasonal Coronavirus activities are very high
- Influenza, SARS-CoV-2 and Rhinovirus/Enterovirus activities are high.

Gastropathogens

- Other pathogens detected include: EPEC (4.7%), ETEC (1.0%), Astrovirus (0.7%), EAEC (0.4%), and *Yersinia enterocolitica* (0.3%).

Week Ending January 14, 2023*

GI Pathogen PCR	# Tested	% Positive
Sapovirus	280	7.9
Norovirus	289	7.3
<i>Campylobacter</i>	324	2.5
<i>Salmonella</i>	324	1.2
<i>Cryptosporidium</i>	354	0.6
STEC	324	0.6
Rotavirus	285	0.4
<i>Shigella</i>	252	0.4
<i>E. coli</i> 0157	81	0.0
<i>Cyclospora</i>	268	0.0
<i>Giardia</i>	354	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.