

Laboratory Surveillance Report

SARS-CoV-2 & Influenza Surveillance Updates:

Influenza

- Influenza activity is **high** in Wisconsin (20.9%) and nationally (15.0%).
- H3N2 (70%) 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.

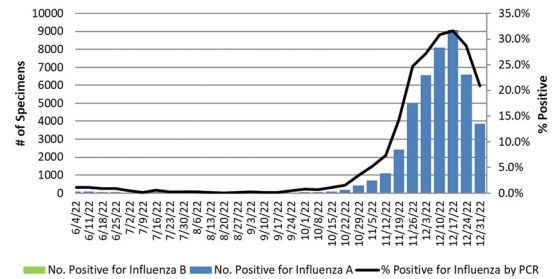
SARS-CoV-2

- SARS-CoV-2 activity is high in Wisconsin (9.0%) and nationally (16.0%).

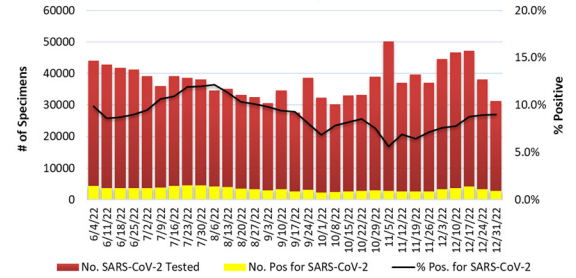
To enhance surveillance activities, each week please send:

- **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

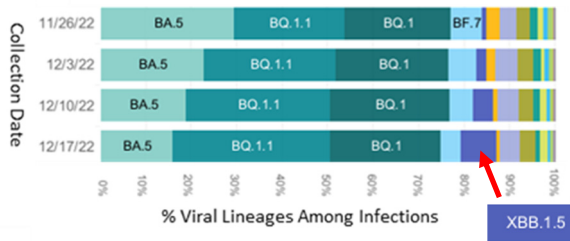
% Positive for Influenza by PCR (Wisconsin), June 2022 to Week Ending December 31, 2022



% Positive SARS-CoV-2 by PCR (Wisconsin), June 2022 to Week Ending December 31, 2022



Proportion of Lineages of Omicron Circulating (Nationally)



<https://covid.cdc.gov/covid-data-tracker/#vvariant-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 December 31, 2022*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	31249	9.0
Influenza	18488	20.9
Rhinovirus/Enterovirus	1108	7.9
RSV	12831	4.7
Seasonal coronaviruses	23	4.3
Parainfluenza	1161	2.7
Human metapneumovirus	1108	0.8
Adenovirus	23	0.0
<i>B. pertussis</i>	803	0.0

Other Surveillance Data-Wisconsin:

Respiratory pathogens

- Influenza activity in WI is high.
- SARS-CoV-2 and Rhinovirus/Enterovirus activities are high.

Gastropathogens

- Other pathogens detected include: EPEC (3.7%), *Plesiomonas shigelloides* (1.1%), Astrovirus (0.8%), ETEC (0.7%), EAEC (0.4%), Adenovirus 40/41 (0.4%), and *Yersinia enterocolitica* (0.3%).

Week Ending December 31, 2022*

GI Pathogen PCR	# Tested	% Positive
Sapovirus	265	8.3
Norovirus	319	6.0
<i>Campylobacter</i>	355	3.4
<i>Cryptosporidium</i>	305	0.7
Rotavirus	314	0.6
STEC	343	0.3
<i>Salmonella</i>	343	0.3
<i>Shigella</i>	275	0.0
<i>E. coli</i> O157	102	0.0
<i>Cyclospora</i>	246	0.0
<i>Giardia</i>	293	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.