Wisconsin State Laboratory of Hygiene
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April 18, 2022

Laboratory Surveillance Report

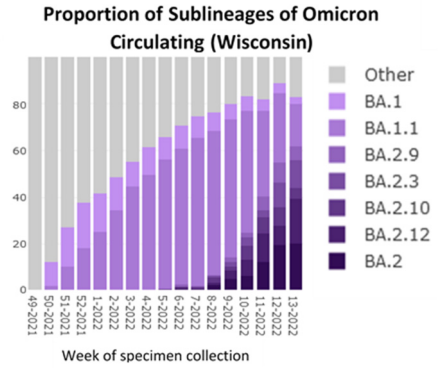
SARS-CoV-2

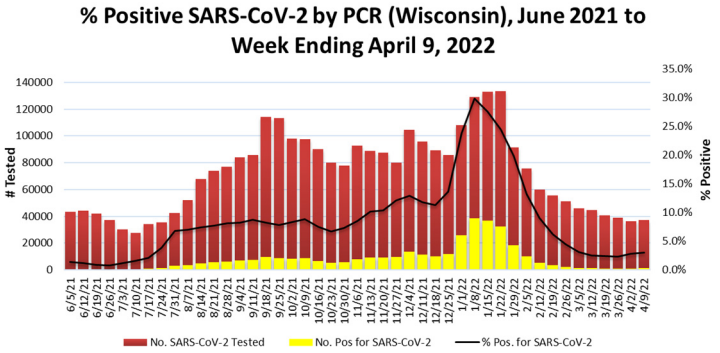
- SARS-CoV-2 activity is increasing in Wisconsin (3.0%) and nationally (4.1%).
- Omicron [B.1.1.529/BA.1 and its sublineages] was the predominant variant detected in Wisconsin (>99%) and nationally (100%).
- The proportion of Omicron sublineage BA.2 and its sublieages is increasing in Wisconsin (62%).

Influenza

- Influenza activity is increasing in Wisconsin (8.4%) and nationally (8.4%).
- The dominant Influenza subtype is H3N2.

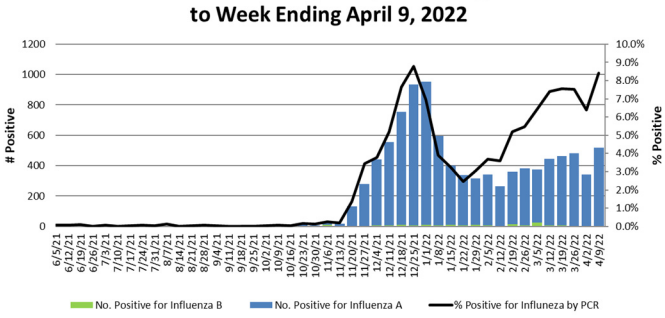
SARS-CoV-2 & Influenza Surveillance Updates:





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

1. A sampling of specimens from influenza-related hospitalizations (e.g. 1 per week).
2. Influenza A specimens that fail to subtype (Ct <35) if subytping for 2009 pdmH1 and H3 were performed.
3. 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 April 9, 2022*

Resp. Pathogen PCR	# Tested	% Positive
SARS-CoV-2	37335	3.0
Rhinovirus/ Enterovirus	863	11.6
Human metapneumovirus	921	10.6
Influenza A	6137	8.4
Seasonal coronaviruses	222	5.9
Parainfluenza	906	5.5
Adenovirus	222	1.8
RSV	2977	1.1
B. pertussis	372	0.0

Other Surveillance Data-Wisconsin:

Respiratory pathogens

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

Gastropathogens

- Norovirus activity in WI is high.
- Others detected included: EPEC (3.3%), Astrovirus (2.8%), ETEC (2.0%), EAEC (1.9%), Adenovirus 40/41(1.5%), EIEC (0.8%), and *Yersinia enterocolitica (0.2%)*.

Week Ending April 9, 2022*

GI Pathogen PCR	# Tested	% Positive
Norovirus	524	14.3
Rotavirus	495	10.3
Sapovirus	398	2.0
Salmonella	544	2.0
Campylobacter	544	1.8
STEC	544	1.5
Cryptosporidium	460	1.1
Giardia	460	0.4
Shigella	480	0.4
E. coli 0157	356	0.0
Cyclospora	364	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.*