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March 19, 2018

Laboratory Surveillance Report

Surveillance Data Synopsis

- **Overall, influenza activity continues to decrease in Wisconsin, but remains at high levels across the state.**
- **Rhinovirus/ enterovirus activity is increasing.**
- **RSV activity is decreasing.**

Influenza (Week ending March 3, 2018)

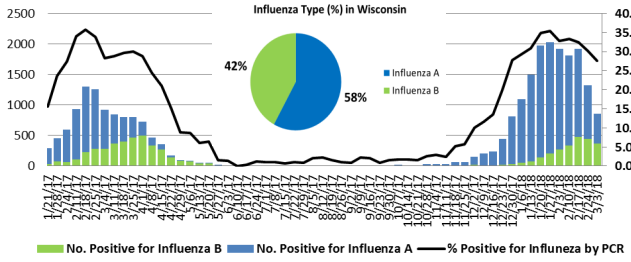
National Influenza Update (CDC)

- Nationally, the CDC reported that 17.7% of the 34,974 surveillance specimens tested positive for influenza virus (A and B). Overall, activity is decreasing.
- Influenza A accounted for half (49.9%) and influenza B accounted for 50.1%.
- Widespread activity was reported in 34 states which was a decrease from the previous week (45 states).

Wisconsin Influenza Update

- Influenza A (H3N2) was the predominant respiratory virus.
- Overall, influenza activity is decreasing.
- No influenza antiviral resistance has been detected in Wisconsin this season.

% Positive for Influenza by PCR (Wisconsin), Week Ending March 3, 2018



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

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

Surveillance Data-Wisconsin

Week Ending March 3, 2018

Resp. Pathogen PCR	# Tested	% Positive
Influenza	3120	27.6↓
RSV	1267	10.6↓
Human metapneumovirus	788	6.9
Rhinovirus/ enterovirus	726	6.6↑
Coronavirus	476	2.7
Adenovirus	476	1.1
Parainfluenza	910	<1
B. pertussis	231	1.3

Respiratory

- Influenza and RSV activities are decreasing.
- Rhinovirus/enterovirus activity is increasing.

Gastropathogens

- Norovirus was the predominant gastropathogen reported.
- Other viral gastropathogens reported included astrovirus (3.6%) and adenovirus 40/41 (3.2%).
- ***Please sent positive rotavirus specimens to WSLH.***

Week Ending March 3, 2018

GI Pathogen PCR	# Tested	% Positive
Norovirus	207	10.6↓
EPEC	140	4.3
Sapovirus	140	1.4
Salmonella	424	1.4
Rotavirus	207	1.0
Campylobacter	424	<1
Giardia	181	<1
STEC	359	<1
Shigella	287	0
Cryptosporidium	181	0
E. Coli 0157	140	0