

Laboratory Surveillance Report

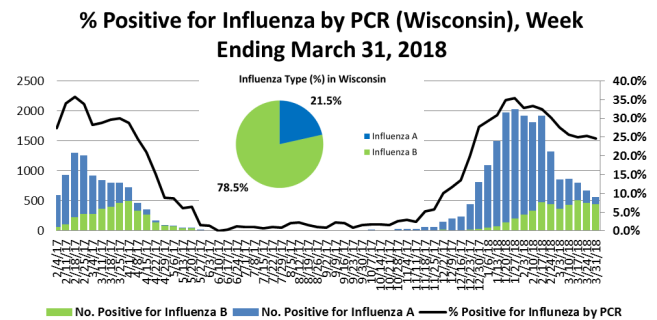
Influenza (Week ending March 31, 2018)

Surveillance Data Synopsis

- **Influenza B was the predominant influenza virus in Wisconsin.**
- **Human metapneumovirus activity has begun to increase.**
- **RSV activity is decreasing.**

National Influenza Update (CDC)

- Nationally, the CDC reported that 15.4% of the 21,823 surveillance specimens tested positive for influenza virus (A and B). Overall, activity is decreasing.
- Influenza B was the predominant influenza virus reported accounting for 60.4% of the positives.
- Widespread activity was reported in 11 states (including Wisconsin) which was a decrease from the previous week (17 states).
- **Wisconsin Influenza Update**
- Influenza B was the predominant influenza virus reported (78.5%).
- Two influenza-related pediatric deaths have been reported in Wisconsin this season.
- No influenza antiviral resistance has been detected in Wisconsin this season.



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 subtyping for 2009 pdmH1 and H3 were performed.

Surveillance Data-Wisconsin

Week Ending March 31, 2018

Resp. Pathogen PCR	# Tested	% Positive
Influenza	2277	24.5↓
Human metapneumovirus	594	8.9↑
RSV	937	8.4↑
Rhinovirus/enterovirus	558	6.3
Coronavirus	301	1.7↓
Adenovirus	301	1.0
Parainfluenza	574	<1
<i>B. pertussis</i>	229	<1

Respiratory

- Influenza and RSV activities are decreasing.
- Human metapneumovirus activity is increasing.

Gastropathogens

- Norovirus was the predominant gastropathogen reported.
- Other viral gastropathogens reported included astrovirus (3.8%) and adenovirus 40/41 (3.3%).
- **Please sent positive rotavirus specimens to WSLH.**

Week Ending March 31, 2018

GI Pathogen PCR	# Tested	% Positive
Norovirus	200	9.5↓
EPEC	130	5.4
Rotavirus	182	2.7
Campylobacter	402	2.0
Salmonella	402	1.5
Cryptosporidium	172	1.2
Sapovirus	130	<1
STEC	315	<1
Shigella	249	<1
Giardia	172	0
E. Coli 0157	115	0