

Laboratory Surveillance Report

Influenza (Week ending April 14, 2018)

Surveillance Data Synopsis

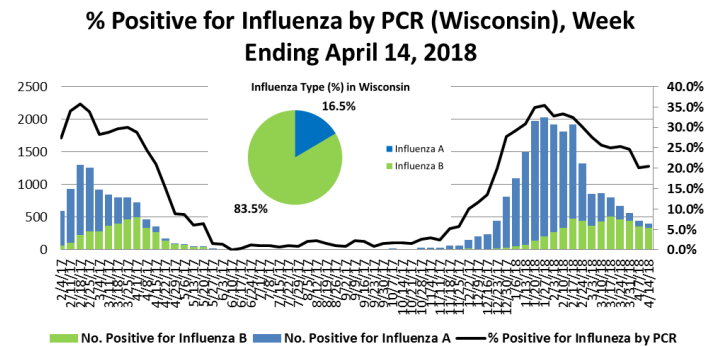
- Overall, influenza activity is decreasing.
- Influenza B was the predominant influenza virus in Wisconsin.
- Rhinovirus/enterovirus activity is increasing.
- RSV activity is decreasing.

National Influenza Update (CDC)

- Nationally, the CDC reported that 10.9% of the 18,803 surveillance specimens tested positive for influenza virus (A and B). Overall, activity is decreasing.
- Influenza B remained the predominant influenza virus reported accounting for 65.7% of the positives.
- Widespread activity was reported in 5 states. Wisconsin was classified as having regional activity.

Wisconsin Influenza Update

- Influenza B was the predominant influenza virus reported (83.5%).
- Influenza B Yamagata lineage accounted for 95.6% of the influenza B viruses genotyped.
- 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 April 14, 2018

Resp. Pathogen PCR	# Tested	% Positive
Influenza	1961	20.4↓
Rhinovirus/enterovirus	537	10.2↑
Human metapneumovirus	572	9.1
RSV	911	6.0↓
Parainfluenza	552	1.3
Adenovirus	330	1.2
Coronavirus	330	1.2
<i>B. pertussis</i>	202	1.5

Respiratory

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

Gastropathogens

- Norovirus was the predominant gastropathogen reported.
- Other gastropathogens reported included EAEC (3.5%), astrovirus (2.3%) and adenovirus 40/41 (1.6%).
- **Please sent positive rotavirus specimens to WSLH.**

Week Ending April 14, 2018

GI Pathogen PCR	# Tested	% Positive
Norovirus	248	15.3
EPEC	173	6.4
Campylobacter	437	3.9
Cryptosporidium	230	3.5
Rotavirus	213	3.3
Sapovirus	173	2.3
Salmonella	374	1.6
STEC	393	1.3
E. Coli 0157	149	<1
Giardia	230	<1
Shigella	244	0