

Laboratory Surveillance Report

Influenza (Week ending March 25, 2017)

Surveillance Data Synopsis

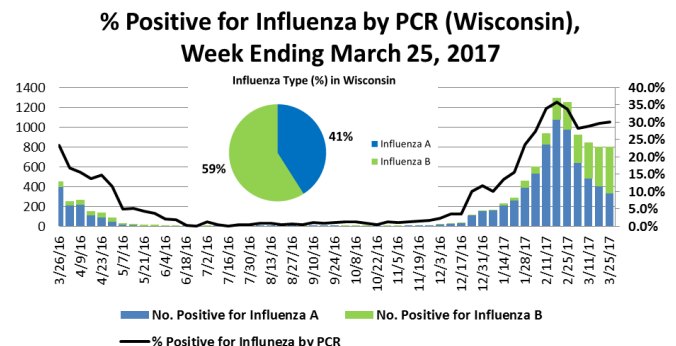
- Overall, influenza activity remained steady; However, influenza B activity is increasing.
- Human metapneumovirus activity is increasing.
- RSV activity is decreasing.

National Influenza Update (CDC)

- Nationally, the CDC reported that 20.1% of the 23,666 surveillance specimens tested positive for influenza virus (A and B).
- Influenza B was the predominant influenza strain type reported in the US (53%).

Wisconsin Influenza Update

- Influenza virus was detected in 30% of the 2,663 specimens tested in Wisconsin by PCR. Influenza A activity is decreasing while influenza B activity is increasing.
- Influenza B was the majority of influenza cases reported in Wisconsin (58.6%) by labs performing PCR testing.
- 73% of the influenza B viruses were of the B-Yamagata lineage this season.



It is **no longer necessary** to send positive influenza specimens for confirmatory testing. Please send:

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

Other Surveillance Data-Wisconsin

Week Ending March 25, 2017

Resp. Pathogen PCR	# Tested	% Positive
Influenza	2,663	30.0
RSV	1,208	8.5↓
Rhinovirus/ Enterovirus	64	6.5
Coronavirus	378	5.3↓
Human metapneumovirus	777	5.0↑
Parainfluenza	755	3.3
Adenovirus	378	<1
<i>B. pertussis</i>	296	1.4

Respiratory

- Overall, influenza activity was steady. However, influenza B activity is increasing.
- RSV activity is decreasing.

Gastropathogens

- Norovirus and rotavirus and were the predominant gastropathogens reported in Wisconsin.
- Weekly surveillance data graphs are available at <http://www.slh.wisc.edu/wcln-surveillance/surveillance/gastropathogen-surveillance/>

Week Ending March 25, 2017

GI Pathogen PCR	# Tested	% Positive
Norovirus	155	12.3
Rotavirus	158	12.0
Sapovirus	65	7.7
EPEC	65	4.6
Salmonella	231	1.7
STEC	173	1.2
Campylobacter	231	<1
Shigella	184	<1
Giardia	65	0
Cryptosporidium	65	0
<i>E. coli</i> O157	65	0