

Laboratory Surveillance Report

Influenza (Week ending March 11, 2017)

Surveillance Data Synopsis

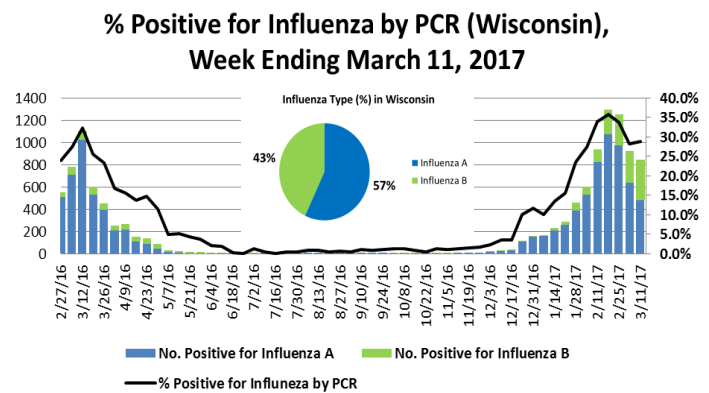
- Overall, influenza activity is decreasing; However, influenza B activity is increasing.
- Norovirus activity is widespread, but beginning to decrease in Wisconsin.
- RSV activity is decreasing.

National Influenza Update (CDC)

- Nationally, the CDC reported that 18.3% of the 27,105 surveillance specimens tested positive for influenza virus (A and B).
- The majority of recently circulating influenza viruses are susceptible to the neuraminidase inhibitor antiviral medications, oseltamivir, zanamivir, and peramivir. No antiviral resistance has been detected in WI specimens tested at the WSLH.

Wisconsin Influenza Update

- Influenza virus was detected in 28.8% of the 2,943 specimens tested in Wisconsin by PCR.
- 57% of the positives reported were influenza A and 43% influenza B.
- The majority (94%) of the strains subtyped were seasonal Flu A (H3).



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 11, 2017

Resp. Pathogen PCR	# Tested	% Positive
Influenza	2,943	28.8↓
RSV	1,443	11.5↓
Coronavirus	385	7.3↓
Rhinovirus/ Enterovirus	802	3.1
Parainfluenza	827	2.4
Human metapneumovirus	850	1.9
Adenovirus	385	<1
<i>B. pertussis</i>	307	1.0

Respiratory

- Overall, influenza activity is decreasing. However, influenza B activity is increasing.
- RSV activity is decreasing.
- Please contact the WI Division of Public Health for follow-up on travelers returning from China with an influenza-like illness.

Gastropathogens

- Norovirus and rotavirus and were the predominant gastropathogens reported by labs performing PCR testing.

Week Ending March 11, 2017

GI Pathogen PCR	# Tested	% Positive
Norovirus	155	9.0↓
Rotavirus	117	7.7
Sapovirus	58	5.2
EPEC	52	1.9
Campylobacter	312	1.6
Shigella	266	<1
STEC	114	0
Cryptosporidium	52	0
Giardia	52	0
Salmonella	312	0
<i>E. coli</i> O157	52	0