

Laboratory Surveillance Report

Influenza (Week ending February 11, 2017)

Surveillance Data Synopsis

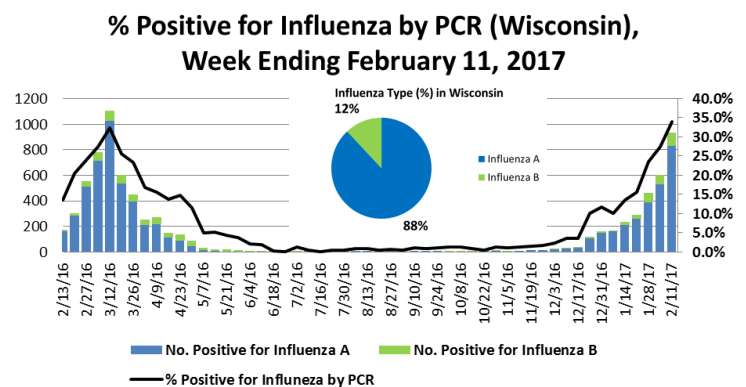
- **Influenza virus activity is approaching peak levels.**
- **RSV activity is decreasing.**
- **Norovirus activity is widespread in Wisconsin.**
- **Please contact local health regarding travelers from China with respiratory illness.**

National Influenza Update (CDC)

- Nationally, the CDC reported that 24.2% of the 35,098 surveillance specimens tested positive for influenza virus (A and B).
- The majority of circulating influenza virus strains are susceptible to the neuraminidase inhibitor drugs oseltamivir, zanamivir and peramivir.
- Widespread activity was reported in 46 states including Wisconsin.

Wisconsin Influenza Update

- Influenza virus was detected in 34.1% of the 2,748 specimens tested in Wisconsin by PCR.
- 93% of the specimens subtyped were influenza A (H3) and 7% were H1.
- 88% of the influenza viruses reported were influenza A.



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 February 11, 2017

Resp. Pathogen PCR	# Tested	% Positive
Influenza	2,748	34.1↑
RSV	1,213	16.2↓
Coronavirus	385	11.2↓
Rhinovirus/ Enterovirus	712	4.2
Human metapneumovirus	824	2.5
Parainfluenza	799	2.5
Adenovirus	360	1.9
<i>B. pertussis</i>	346	<1

Respiratory

- Influenza activity is nearing peak levels.
- RSV activity is decreasing with 16.2% of the specimens testing positive by PCR.

Gastropathogens

- Norovirus and sapovirus and were the predominant gastropathogens reported by labs performing PCR testing.
- Please send in all **rotavirus positive specimens** to WSLH for strain characterization.

Week Ending February 11, 2017

GI Pathogen PCR	# Tested	% Positive
Norovirus	195	29.2↑
Sapovirus	63	9.5↑
EPEC	63	6.3
Rotavirus	112	2.7
Salmonella	223	2.2
Cryptosporidium	63	1.6
STEC	137	<1
Campylobacter	223	0
Giardia	45	0
Shigella	174	0
<i>E. coli</i> O157	63	0