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Laboratory Surveillance Report

Influenza (Week ending January 14, 2017)

Surveillance Data Synopsis

- **Influenza virus activity is increasing.**

- **RSV activity is increasing.**

- **Coronavirus was the predominant respiratory pathogen reported.**

- **Norovirus was the predominant gastropathogen reported.**

National Influenza Update (CDC)

- Nationally, the CDC reported that 15.3% of the 27,805 surveillance specimens tested positive for influenza virus (A and B).

- No antiviral resistance to the neuraminidase inhibitor drugs (Oseltamivir, Zanamivir and Peramivir) has been detected in the US this season.

- Widespread influenza activity was reported in 29 US States including Wisconsin.

Wisconsin Influenza Update

- Influenza A was detected in 13.5% of the 1,723 specimens tested in Wisconsin by PCR.

- 87% of the specimens subtyped were influenza A (H3) and 13% were 2009 H1N1.

% Positive for Influenza by PCR (Wisconsin), Week Ending January 14, 2017
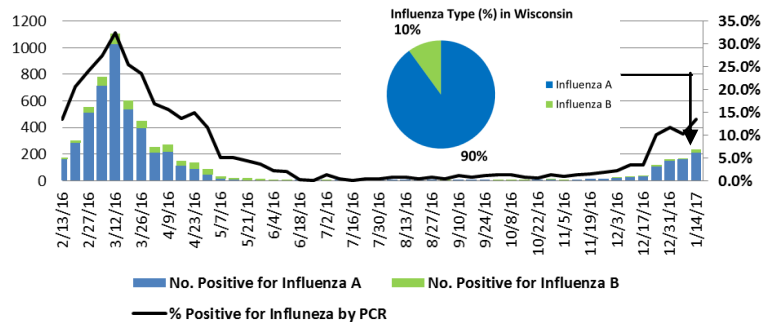
It is **no longer necessary** to send positive influenza specimens for confirmatory testing. Please send:

1. A sampling of specimens from influenza-related hospitalizations.

2. Specimens that fail to subtype (Ct <35) if subytping for 2009 pdmH1 and H3 were performed.

Other Surveillance Data-Wisconsin

Week Ending January 14, 2017

Resp. Pathogen PCR	# Tested	% Positive
Coronavirus	279	19.4↑
Influenza	1,723	13.5↑
RSV	984	12.0↑
Rhinovirus/ Enterovirus	658	7.3↓
Parainfluenza	683	5.0
Human metapneumovirus	713	3.4↑
Adenovirus	279	1.1
B. pertussis	370	2.4

Respiratory

- Coronavirus was the predominant respiratory virus reported.

- RSV, coronavirus and human metapneumovirus activities are increasing.

Gastropathogens

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

- Please send in all **rotavirus positive specimens** to WSLH for strain characterization.

Week Ending January 14, 2016

GI Pathogen PCR	# Tested	% Positive
Norovirus	190	16.8
EPEC	52	3.8
Campylobacter	187	2.1
Salmonella	272	1.1
Rotavirus	147	<1
Shigella	179	<1
Sapovirus	50	0
Giardia	97	0
STEC	199	0
E. coli 0157	97	0
Cryptosporidium	97	0