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December 12, 2016

Laboratory Surveillance Report

Influenza (Week ending December 3, 2016)

Surveillance Data Synopsis

- **RSV and coronavirus activities are increasing.**
- **Influenza activity is sporadic in Wisconsin.**
- **The majority of influenza strains subtyped were A (H3) and have been well matched to the vaccine.**

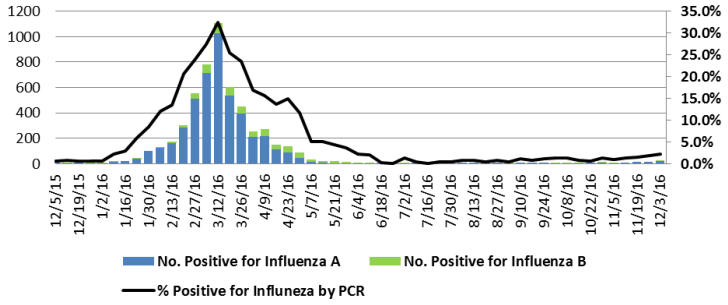
National Influenza Update (CDC)

- Nationally, the CDC reported that 3.5% of the 15,262 surveillance specimens tested positive for influenza virus (A and B). There was no increase from the previous week (3.5%).
- 92% of the positive specimens were influenza A and 8% were influenza B. 95% of those subtyped were influenza A (H3).
- Local influenza activity is being reported in 19 US States.
- No antiviral resistance has been reported for the neuraminidase inhibitor drugs.

Wisconsin Influenza Update

- A total of 20 specimens of the 894 (2.2%) tested by PCR were positive for influenza virus. 90% were influenza A.

% Positive for Influenza by PCR (Wisconsin), Week Ending December 3, 2016



To enhance surveillance activities for early season influenza viruses, the WSLH asks labs to please send:

- **ALL INFLUENZA POSITIVE SPECIMENS to WSLH for further characterization.**

Other Surveillance Data-Wisconsin

Week Ending December 3, 2016

Resp. Pathogen PCR	# Tested	% Positive
Rhinovirus/ enterovirus	367	16.9
RSV	521	4.4↑
Coronavirus	196	3.1↑
Adenovirus	196	2.6
Influenza	894	2.2↑
Parainfluenza	400	1.8
Human metapneumovirus	446	<1
B. pertussis	408	4.9

Respiratory

- Influenza, RSV and coronavirus activities are increasing.

Gastropathogens

- Norovirus and Enteropathogenic *E. coli* (EPEC) were the two predominant gastropathogens reported by labs performing culture independent diagnostic tests (CIDT).
- Please send in all **rotavirus positive specimens** to WSLH for strain characterization.

Week Ending December 3, 2016

GI Pathogen PCR	# Tested	% Positive
Norovirus	114	8.8
EPEC	59	5.1
STEC	94	2.1
Salmonella	153	2.0
Shigella	108	1.9
Cryptosporidium	59	1.7
Campylobacter	137	1.5
Rotavirus	93	1.1
Giardia	59	0
E. coli 0157	59	0
Sapovirus	59	0