Wisconsin State Laboratory of Hygiene
UNIVERSITY OF WISCONSIN-MADISON
2601 Agriculture Dr.
Madison, WI 53718
608.224.4261

October 16, 2017

Laboratory Surveillance Report

Surveillance Data Synopsis

- **Rhinovirus/ enterovirus and parainfluenza viruses were the predominant respiratory viruses reported.**
- **EPEC and Cryptosporidium were the most frequently reported gastropathogens.**
- **Influenza activity is sporadic.**

Influenza (Week ending October 7, 2017)

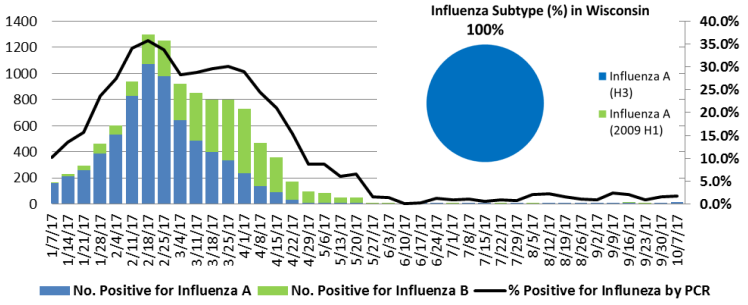
National Influenza Update (CDC)

- Nationally, the CDC reported that 2.7% of the 10,152 surveillance specimens tested positive for influenza virus. (A and B). Overall, activity is sporadic across the US with two states reporting local influenza activity (CO and SC).
- Sixty-seven percent (67%) reported were influenza A and 33% were influenza B.

Wisconsin Influenza Update

- A total of 16 specimens of the 901 tested (1.8%) by PCR were positive for influenza virus.
- No influenza B viruses were detected.
- Influenza activity increased slightly from the previous week (1.5% to 1.8%).

% Positive for Influenza by PCR (Wisconsin), Week Ending October 7, 2017



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

NEW

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

Surveillance Data-Wisconsin

Week Ending October 7, 2017

Resp. Pathogen PCR	# Tested	% Positive
Rhinovirus/ enterovirus	386	24.6
Parainfluenza	402	3.7↑
Influenza	901	1.8
Coronavirus	153	0
Adenovirus	153	<1
Human metapneumovirus	418	<1
RSV	478	<1
B. pertussis	143	<1

Respiratory

- Rhinovirus/enterovirus was the predominant respiratory virus reported.
- Parainfluenza virus activity is increasing.

Gastropathogens

- Enteropathogenic *E. coli* (EPEC) and Cryptosporidium were the predominant gastropathogens reported by Wisconsin labs performing culture independent diagnostic tests (CIDT).

Week Ending October 7, 2017

GI Pathogen PCR	# Tested	% Positive
EPEC	84	5.0
Cryptosporidium	101	4.7
Norovirus	133	2.3
Salmonella	282	2.1
Giardia	101	2.0
STEC	277	1.4
Rotavirus	128	<1
Campylobacter	327	<1
Sapovirus	88	0
Shigella	232	0
E. coli 0157	101	0