

Laboratory Surveillance Report

Influenza (Week ending October 21, 2017)

Surveillance Data Synopsis

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

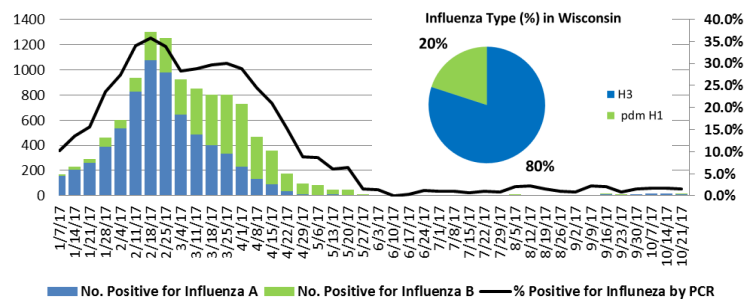
National Influenza Update (CDC)

- Nationally, the CDC reported that 2.5% of the 11,136 surveillance specimens tested positive for influenza virus. (A and B).
- Local influenza activity was reported in 12 states while 33 states were characterized as having sporadic activity.
- 96% reported were influenza A and 4% were influenza B.

Wisconsin Influenza Update

- A total of 14 specimens of the 894 tested (1.6%) by PCR were positive for influenza virus.
- 29% of the positives reported were influenza B.
- Influenza activity is sporadic.

% Positive for Influenza by PCR (Wisconsin), Week Ending October 21, 2017



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

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

Surveillance Data-Wisconsin

Week Ending October 21, 2017

Resp. Pathogen PCR	# Tested	% Positive
Rhinovirus/enterovirus	454	20.7↓
Parainfluenza	471	5.9↑
Influenza	894	1.6
Coronavirus	245	<1
Adenovirus	153	<1
RSV	567	<1
Human metapneumovirus	485	0
<i>B. pertussis</i>	164	0

Respiratory

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

Gastropathogens

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

Week Ending October 21, 2017

GI Pathogen PCR	# Tested	% Positive
EPEC	84	5.0
Norovirus	189	3.2
Campylobacter	381	2.9
Salmonella	381	2.6
<i>Cryptosporidium</i>	172	2.3
STEC	318	1.9
Rotavirus	180	<1
Shigella	234	<1
Giardia	172	<1
Sapovirus	88	0
<i>E. coli</i> 0157	121	0