

# Laboratory Surveillance Report

## Influenza (Week ending September 9, 2017)

### Surveillance Data Synopsis

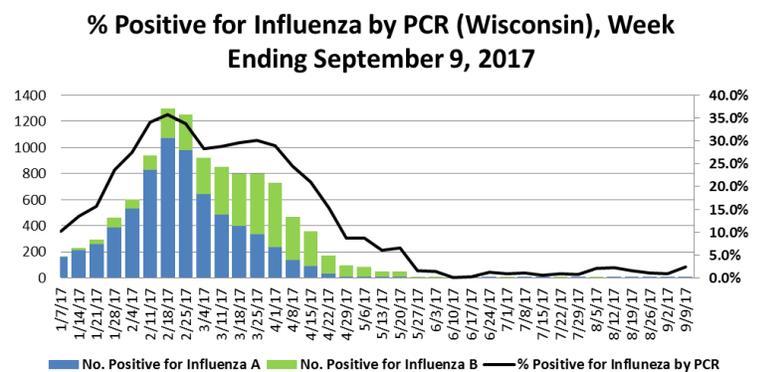
- **Rhinovirus/enterovirus was the predominant respiratory virus reported.**
- **EPEC, Campylobacter and Norovirus were the most frequently reported gastro-pathogens.**
- **Influenza activity is sporadic.**

### National Influenza Update (CDC)

- Nationally, the CDC reported that 1.4% of the 7,510 surveillance specimens tested positive for influenza virus. (A and B). Overall, activity is sporadic across the US.
- To date, there have been 20 human infections with influenza A variant viruses in the US during 2017. These have occurred in Ohio, Pennsylvania, Texas and North Dakota.

### Wisconsin Influenza Update

- A total of 7 specimens of the 301 tested (2.3%) by PCR were positive for influenza A virus.
- Of those subtyped, 3 were seasonal H3 and one was H1.
- Influenza activity is sporadic in Wisconsin.



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

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

## Other Surveillance Data-Wisconsin

### Week Ending September 9, 2017

Resp. Pathogen PCR	# Tested	% Positive
Rhinovirus/enterovirus	194	17.0
Influenza	301	2.3
Parainfluenza	240	2.1
Coronavirus	102	2.0
Human metapneumovirus	249	1.6
Adenovirus	102	0
RSV	249	0
<i>B. pertussis</i>	116	4.3

### Respiratory

- Rhinovirus/enterovirus was the predominant respiratory virus reported.
- Typically, rhinovirus/enterovirus activity peaks during the fall.

### Gastropathogens

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

### Week Ending September 9, 2017

GI Pathogen PCR	# Tested	% Positive
EPEC	46	13.0
Campylobacter	218	2.8
Norovirus	109	2.8
STEC	151	2.6
Salmonella	218	2.3
Cryptosporidium	46	2.2
Rotavirus	140	0
Giardia	46	0
Sapovirus	46	0
Shigella	183	0
<i>E. coli</i> O157	28	0