

# Laboratory Surveillance Report

## Influenza (Week ending January 26, 2019)

### Surveillance Data Synopsis

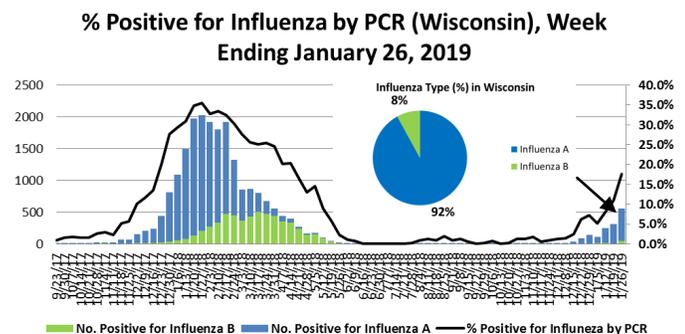
- RSV was the predominant respiratory virus reported and activity is decreasing.
- Influenza activity is widespread in Wisconsin.
- Influenza A (H1N1) pdm2009 was the predominant subtype.

### National Influenza Update (CDC)

- Nationally, the CDC reported that influenza activity increased to 19.2% of the 31,460 surveillance specimens testing positive for influenza virus (A and B).
- The majority of influenza viruses characterized antigenically and genetically are similar to the viruses representing the 2018–2019 Northern Hemisphere influenza vaccine viruses.
- The vast majority of influenza viruses tested (>99%) show susceptibility to oseltamivir and peramivir. All influenza viruses tested showed susceptibility to zanamivir.

### Wisconsin Influenza Update

- A total 3,167 specimens were tested by PCR with 17.7% positive for influenza virus.
- Of those Flu A's subtyped, 84.8% were influenza A (H1N1) pdm2009.
- Influenza activity is widespread in Wisconsin.



### 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.

## Other Surveillance Data-Wisconsin

### Week Ending January 26, 2019

Resp. Pathogen PCR	# Tested	% Positive
RSV	1,240	19.9↓
Influenza	3,167	17.7↑
Rhinovirus/enterovirus	712	9.1↓
Coronavirus	341	8.8↑
Parainfluenza	732	1.5↓
Human Metapneumovirus	751	1.1
Adenovirus	341	<1
<i>B. pertussis</i>	258	1.2

### Respiratory

- RSV was the predominant respiratory virus reported. Activity is decreasing.

### Gastropathogens

- Increasing activity was noted for the viral gastropathogen Norovirus.
- Other gastropathogens reported included EPEC (4.2%), EAEC (5.3%), ETEC (1.4%), Adenovirus 40/41 (<1%), Astrovirus (2.1%), *Y. enterocolitica* (<1%)
- \*Please send WSLH a sampling of Rotavirus positive specimens.

### Week Ending January 26, 2019

GI Pathogen PCR	# Tested	% Positive
Norovirus	296	29.7↑
Sapovirus	189	2.6
Campylobacter	451	2.4
Rotavirus	246	1.6
STEC	391	1.0
Salmonella	451	<1
Cryptosporidium	235	<1
Giardia	235	<1
Shigella	349	<1
<i>E. coli</i> O157	189	0
Cyclospora	182	0