

# Laboratory Surveillance Report

## Influenza (Week ending April 28, 2018)

### Surveillance Data Synopsis

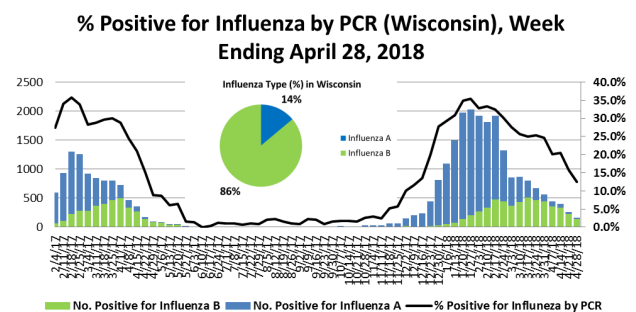
- Overall, influenza activity is decreasing.
- Influenza B was the predominant influenza virus in Wisconsin.
- RSV activity is decreasing.

### National Influenza Update (CDC)

- Nationally, the CDC reported that 7.4% of the 12,794 surveillance specimens tested positive for influenza virus (A and B). Overall, activity is decreasing.
- Influenza B remained the predominant influenza virus reported accounting for 66.4% of the positives.
- A total of 163 influenza-associated pediatric deaths have been reported for the 2017-2018 season. This was the highest recorded since the 2012-2013 season (171).

### Wisconsin Influenza Update

- 12.9% of the influenza specimens tested by PCR were positive. Activity continues to decrease in Wisconsin.
- Influenza B was the predominant influenza virus reported (86%).
- No influenza antiviral resistance has been detected in Wisconsin this season.



### 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 April 28, 2018

Resp. Pathogen PCR	# Tested	% Positive
Influenza	1268	12.9↓
Rhinovirus/enterovirus	527	8.5
Human metapneumovirus	545	6.2
RSV	722	3.2↓
Parainfluenza	535	3.0
Adenovirus	280	1.8
Coronavirus	280	0
<i>B. pertussis</i>	204	1.5

### Respiratory

- Influenza and RSV activities are decreasing.

### Gastropathogens

- Norovirus was the predominant gastropathogen reported.
- Other gastropathogens reported included *V. cholera* (1.5%), astrovirus (2.9%) and adenovirus 40/41 (1.9%).
- **Please send positive rotavirus specimens to WSLH.**

### Week Ending April 28, 2018

GI Pathogen PCR	# Tested	% Positive
Norovirus	206	6.8↓
Rotavirus	178	5.6
Sapovirus	134	5.2
EPEC	134	3.7
Giardia	181	1.1
Campylobacter	311	1.0
Salmonella	363	<1
STEC	297	<1
E. Coli 0157	122	<1
Cryptosporidium	181	0
Shigella	244	0