

# Laboratory Surveillance Report

## Influenza (Week ending April 22, 2017)

### Surveillance Data Synopsis

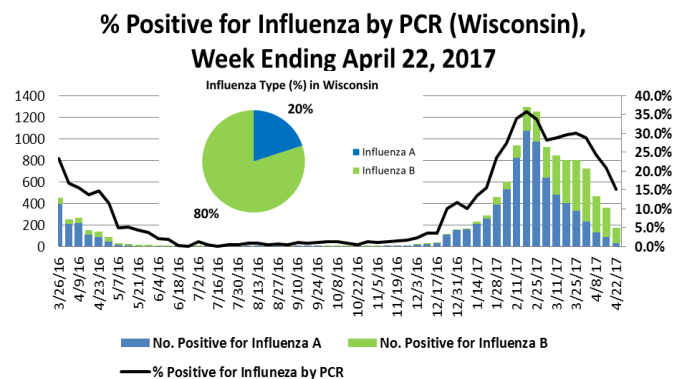
- Overall, influenza activity is decreasing.
- Rhinovirus was the predominant respiratory virus reported.
- Norovirus and rotavirus were the predominant gastroenteropathogens.

### National Influenza Update (CDC)

- Nationally, the CDC reported that 9.6% of the 14,889 surveillance specimens tested positive for influenza virus (A and B).
- Influenza B was the predominant influenza type reported in the US (74.3%).

### Wisconsin Influenza Update

- Influenza virus was detected in 15.3% of the 1,132 specimens tested in Wisconsin by PCR.
- Influenza B was the predominant influenza strain reported in Wisconsin (80%) by labs performing PCR testing.
- No antiviral resistance (neuraminidase inhibitor drugs) has been detected in circulating influenza strains in Wisconsin.



It is **no longer necessary** to send positive influenza specimens for confirmatory testing. Please send:

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

## Other Surveillance Data-Wisconsin

### Week Ending April 22, 2017

Resp. Pathogen PCR	# Tested	% Positive
Rhinovirus/ Enterovirus	407	15.5↑
Influenza	1,132	15.3↓
RSV	574	6.1↓
Human metapneumovirus	451	6.0
Parainfluenza	428	4.4
Coronavirus	241	2.1
Adenovirus	241	0
<i>B. pertussis</i>	20	1.0

### Respiratory

- Rhinovirus was the predominant respiratory virus reported in Wisconsin.
- RSV activity is decreasing.

### Gastroenteropathogens

- Norovirus and rotavirus and were the predominant gastroenteropathogens reported.
- Weekly surveillance data graphs are available at <http://www.slh.wisc.edu/wcln-surveillance/surveillance/gastroenteropathogen-surveillance/>

### Week Ending April 22, 2017

GI Pathogen PCR	# Tested	% Positive
Norovirus	145	9.0
Rotavirus	171	8.8
EPEC	61	8.2
Sapovirus	80	7.5
Cryptosporidium	61	3.3
Salmonella	289	2.1
STEC	167	1.8
Campylobacter	308	1.0
Shigella	238	<1
Giardia	61	0
<i>E. coli</i> O157	61	0