

# Laboratory Surveillance Report

## Influenza (Week ending February 25, 2017)

### Surveillance Data Synopsis

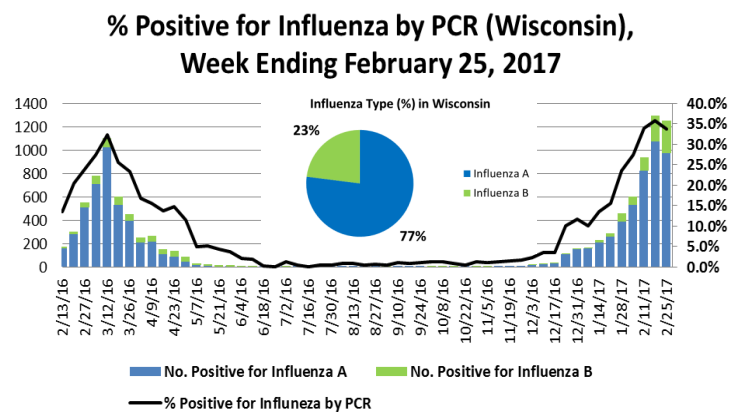
- **Influenza virus activity is at peak levels.**
- **RSV activity is decreasing, but remains at high levels.**
- **Norovirus activity is widespread in Wisconsin.**
- **Influenza B activity is increasing.**

### National Influenza Update (CDC)

- Nationally, the CDC reported that 24.2% of the 35,124 surveillance specimens tested positive for influenza virus (A and B).
- The majority of circulating influenza virus strains are well matched with those included in the influenza vaccine.

### Wisconsin Influenza Update

- Influenza virus was detected in 34.2% of the 3,702 specimens tested in Wisconsin by PCR.
- 77% of the positives reported were influenza A and 23% influenza B.
- No influenza antiviral resistance to the neuraminidase inhibitors has been detected 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 February 25, 2017

Resp. Pathogen PCR	# Tested	% Positive
Influenza	3,702	34.2
RSV	1,407	16.3↓
Coronavirus	348	11.2
Rhinovirus/ Enterovirus	699	5.0
Human metapneumovirus	824	2.5
Parainfluenza	821	2.1
Adenovirus	348	<1
<i>B. pertussis</i>	325	<1

### Respiratory

- Influenza activity is at peak levels.
- There have been 16 confirmed cases of mumps virus in Wisconsin in 2017.

### Gastropathogens

- Norovirus and EPEC and were the predominant gastropathogens reported by labs performing PCR testing.
- Please send in all **rotavirus positive specimens** to WSLH for strain characterization.

### Week Ending February 25, 2017

GI Pathogen PCR	# Tested	% Positive
Norovirus	132	22.7
EPEC	17	5.9
Rotavirus	70	5.7
Salmonella	191	3.7
Campylobacter	191	2.6
Shigella	191	<1
STEC	114	0
Cryptosporidium	17	0
Giardia	17	0
Sapovirus	17	0
E. coli O157	17	0