

# Laboratory Surveillance Report

## Influenza (Week ending April 23, 2016)

### Surveillance Data Synopsis

- Overall, influenza activity is decreasing in Wisconsin.
- Norovirus, astrovirus and sapovirus were the predominate gastro pathogens.
- Rhinovirus/enterovirus is the predominate non-influenza respiratory virus.

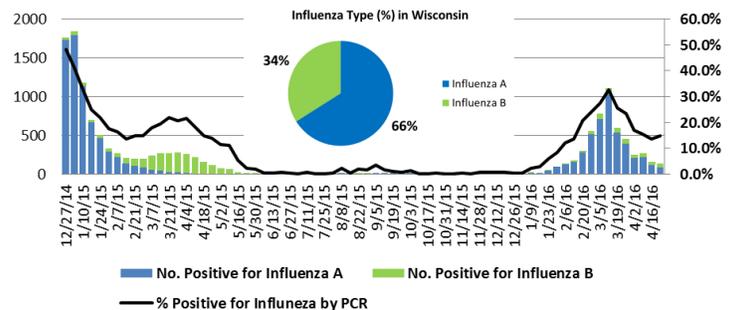
### National Influenza Update (CDC)

- Nationally, CDC reported decreasing activity with 12.5% of the 14,806 surveillance specimens testing positive for influenza.
- Increasing influenza B activity was noted with the majority (52%) of the influenza positive specimens reported nationwide.

### Wisconsin Influenza Update

- Influenza activity is **decreasing**. Influenza PCR positivity was **13.7%** in Wisconsin.
- Influenza A 2009 pdm H1N1 is the predominate influenza A virus subtype circulating in Wisconsin and the US.

**% Positive for Influenza by PCR (Wisconsin), Week Ending April 23, 2016**



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

1. A sampling of specimens from influenza-related hospitalizations.
2. Specimens that fail to subtype (Ct <35) if subtyping for 2009 pdm H1 and H3 were performed.

## Other Surveillance Data-Wisconsin

### Week Ending April 23, 2016

Resp. Pathogen PCR	# Tested	% Positive
Rhinovirus/enterovirus	417	14.9
Human metapneumovirus	414	6.5↓
RSV	447	3.8↓
Coronavirus	204	2.5
Adenovirus	212	1.4
Parainfluenzavirus	414	1
<i>B. pertussis</i>	163	1.2

### Gastro pathogens

- Viral pathogens (Astrovirus, Norovirus & Sapovirus) were the predominate gastro pathogens reported in Wisconsin.
- **Please send all Rotavirus** positive specimens to WSLH for further characterization.

### Surveillance Graphs

- Surveillance graphs are available on our [website](#).

### Week Ending April 23, 2016

GI Pathogen PCR	# Tested	% Positive
Norovirus	95	11.6
Sapovirus	39	7.7
Salmonella	146	2.7
Rotavirus	70	1.4
Campylobacter	146	<1.0
Cryptosporidium	39	0
Shigella	107	0
STEC	70	0
Giardia	39	0
<i>E. coli</i> O157	39	0

Others reported include Astrovirus (15%), EAEC (5%) and EPEC (8%).