

# Laboratory Surveillance Report

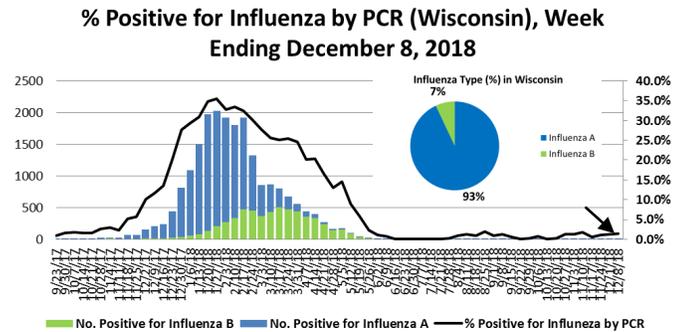
## Influenza (Week ending December 8, 2018)

### Surveillance Data Synopsis

- **RSV activity is increasing.**
- **Rhinovirus/enterovirus was the predominant respiratory virus reported, but activity is decreasing.**
- **Influenza activity is sporadic.**

### National Influenza Update (CDC)

- Nationally, the CDC reported that influenza activity increased slightly with 3.6% of the 18,516 surveillance specimens testing positive for influenza virus (A and B).
- The geographic spread of influenza in three states was reported as widespread; 10 states reported regional activity; 21 states reported local activity. Wisconsin reported sporadic activity.
- **Wisconsin Influenza Update**
- A total 1,266 specimens were tested by PCR with 1.3% positive for influenza virus.
- One influenza B was reported this week.
- Of the three subtyped, 100% were influenza A (H1N1) pdm2009.
- Influenza activity remains sporadic 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 December 8, 2018

| Resp. Pathogen PCR     | # Tested | % Positive |
|------------------------|----------|------------|
| Rhinovirus/enterovirus | 581      | 12.9↓      |
| RSV                    | 769      | 8.3↑       |
| Parainfluenza          | 599      | 4.8↓       |
| Adenovirus             | 280      | 2.1↑       |
| Influenza              | 1,266    | 1.3        |
| Human Metapneumovirus  | 615      | 1.1        |
| Coronavirus            | 280      | <1         |
| <i>B. pertussis</i>    | 246      | <1         |

### Respiratory

- Rhinovirus/enterovirus was the predominant respiratory virus reported, but activity is decreasing.

### Gastropathogens

- Increasing activity was noted for the viral gastropathogens (Norovirus & Sapovirus).
- Other gastropathogens reported included EPEC (6.7%), EAEC (3.6%), ETEC (1.5%), Adenovirus 40/41 (<1%), Astrovirus (2.1%)
- \*Please send WSLH a sampling of Rotavirus positive specimens.

### Week Ending December 8, 2018

| GI Pathogen PCR     | # Tested | % Positive |
|---------------------|----------|------------|
| Norovirus           | 276      | 17.4↑      |
| Sapovirus           | 194      | 3.6↑       |
| Campylobacter       | 479      | 3.5        |
| Salmonella          | 479      | 1.7        |
| STEC                | 384      | 1.0        |
| Giardia             | 233      | <1         |
| <i>E. coli</i> 0157 | 194      | <1         |
| Cryptosporidium     | 233      | <1         |
| Rotavirus           | 240      | <1         |
| Shigella            | 410      | 0          |
| Cyclospora          | 194      | 0          |