

Laboratory Surveillance Report

Influenza (Week ending October 5, 2019)

Surveillance Data Synopsis

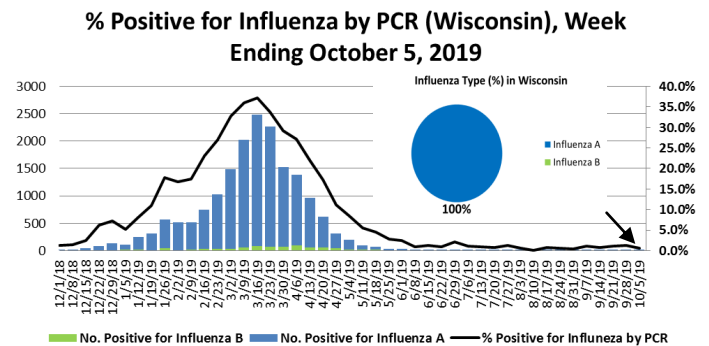
- **Rhinovirus/enterovirus was the predominant respiratory virus reported. Activity is decreasing.**
- **Influenza activity is sporadic.**
- **EPEC & Cryptosporidium were the most frequently reported gastro-pathogens.**

National Influenza Update (CDC)

- Nationally, the CDC reported that 3.1% of the 14,227 surveillance specimens tested positive for influenza virus (A and B). Overall, activity is sporadic across the US.
- Influenza B accounted for 72% of the influenza positives reported by US clinical labs.
- 50% of the influenza A viruses subtyped were seasonal A (H3N2).

Wisconsin Influenza Update

- Clinical labs reported a total of 9 specimens of the 1,460 tested (<1%) by PCR were positive for influenza A virus. There were no influenza B virus detections reported.
- Of the influenza A viruses subtyped, 100% were seasonal A (H3N2).
- Influenza activity is 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. no more than 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 October 5, 2019

| Resp. Pathogen PCR | # Tested | % Positive |
|------------------------|----------|------------|
| Rhinovirus/enterovirus | 580 | 23.6↓ |
| Parainfluenza | 585 | 2.1 |
| Adenovirus | 278 | 1.4 |
| Influenza | 1,460 | <1 |
| Human metapneumovirus | 604 | <1 |
| RSV | 718 | <1 |
| Coronavirus | 278 | 0 |
| <i>B. pertussis</i> | 292 | 1.0 |

Respiratory

- Rhinovirus/enterovirus was the predominant respiratory virus reported. Activity is decreasing.

Gastropathogens

- EPEC and Cryptosporidium were the predominant gastro-pathogens reported.
- Other gastropathogens reported included EPEC (11.7%), ETEC (1.2%), EAEC (3.2%), *P. shigelloides* (<1%), *Vibrio sp.* (<1%), *Y. enterocolitica* (<1%) and Astrovirus (<1%).

Week Ending October 5, 2019

| GI Pathogen PCR | # Tested | % Positive |
|---------------------|----------|------------|
| Cryptosporidium | 253 | 3.6 |
| Campylobacter | 469 | 3.2 |
| Salmonella | 469 | 2.6 |
| Sapovirus | 188 | 2.1 |
| Giardia | 253 | 2.0 |
| Norovirus | 251 | 1.6 |
| STEC | 325 | <1 |
| <i>E. coli</i> 0157 | 257 | <1 |
| Shigella | 338 | <1 |
| Rotavirus | 239 | <1 |
| Cyclospora | 188 | 0 |