

Weekly Influenza News

Week 20: May 15 to May 21, 2022

Week in Review:

Influenza Activity Indicator	Assessment of Indicator*	Interpretation
<u>Reported cases</u>	Similar	5 local lab-confirmed cases reported in week 20; 4 cases reported in week 19
<u>Percent Positive of Flu Specimens[†]</u>	Higher	Simcoe Muskoka: - flu A: 5.7%; flu B: 0.0% Ontario: - flu A: 10.0%; flu B: 0.0%
<u>Local Institutional Outbreaks</u>	Higher	One institutional flu outbreak declared in week 20; none in week 19 Total in 2021/2022: one outbreak
<u>Local Emergency Department respiratory visits: week 20</u>	Similar	Percentage of visits is <i>similar</i> compared to previous week and <i>higher</i> compared to the same period in the 2020-21 season
Week 20 Overall Assessment May 15 to May 21, 2022	Similar	Reported Activity Level: Localized 5 cases of Flu A in SMDHU this week 0 cases of Flu B in SMDHU this week
<u>Predominant Influenza Strains:</u> H3		

Notes: Reported activity level is based on definitions available [here](#).

*Compared to previous [surveillance week](#)

† Reported for week 19. Assessment of indicator based primarily on provincial percent positivity

Reported Local Influenza Cases

In Simcoe Muskoka, there have been **23 lab-confirmed influenza cases reported** as of 24 May 2022 - 5 cases (22%) of influenza were reported in week 20.

Of the 23 reported influenza A cases, 4 have been subtyped:

- 4/4 (100%) are influenza A, H3 strain
- 0/4 (0%) are influenza A, H1 strain/ H1N1 pdm09.

Table 1: Summary of influenza cases for 2021-22 season

Lab-confirmed Influenza Cases	Week 20		Season-to-Date	
	N	%	N	%
Influenza A	5	100%	23	100%
Influenza B	0	0%	0	0%
Influenza A & B	0	0%	0	0%
Total	5	100%	23	100%
Notes:				
Data source: Integrated Public Health Information System (iPHIS), extracted on May 24, 2022.				

Technical Notes

Definitions

Percentage positivity: the number of positive flu cases divided by the number of specimens tested at Public Health Ontario Labs

Reported activity level: the level of influenza activity that is reported to Public Health Ontario by Simcoe Muskoka, based on influenza cases and outbreaks. Definitions available [here](#) (page 8)

Surveillance week: The week number corresponding to the week of year, running Sunday to Saturday, inclusive, for reporting influenza activity. January 1 always falls within week 1. A list of the current season's surveillance weeks can be found [here](#) (Appendix B)

Limitations

Timeliness:

The provincial data are from one week previous because that is the most recent data available.

The hospital data, local counts of influenza, and outbreaks are current to date.

The number of cases listed in a given surveillance week may change as more information becomes available

Case-Follow-up and iPHIS Data Entry:

While Public Health Ontario only requires case information as provided by the laboratory report, the health unit investigates outbreak cases, as information is available, in order to provide a more accurate local picture of adverse outcomes and subtyping.

Case Reporting:

Sporadic cases do not accurately describe all cases of influenza as those cases reported are skewed towards individuals more likely to seek medical care and be tested (e.g. young, elderly and immunocompromised).

Additional Resources

Simcoe Muskoka

- [Influenza Fact Sheet](#)
- [Influenza HealthSTATS page](#)

Provincial

- [Ontario Respiratory Pathogen Bulletin](#)
- [Public Health Ontario Laboratory Respiratory Pathogen Surveillance Reports](#)
- [Viral Respiratory Mapper](#)

Week 19 Provincial Summary*: For the 2021-2022 surveillance season to week 19, 940 laboratory-confirmed influenza cases have been reported across Ontario, 164 (17%) of which were reported in week 19. Among cumulative cases, 99% (929/940) have been influenza A.

(Source: Public Health Ontario Respiratory Pathogen Bulletin, Surveillance Week 19, extracted May 24, 2022).

*Note the number of cases in most recent week may not match Percent Positive indicator in Table on page 1. This is because the Percent Positive is based on specimens tested at Public Health Ontario labs only, and the provincial summary above includes reported cases from all labs in Ontario, including hospitals and other private labs.

National

- [Public Health Agency of Canada FluWatch](#)

International Resources

- [WHO Global Influenza Surveillance and Response System](#)