

Highlights¹

The 2023-2024 season runs from August 27, 2023 to August 24, 2024

Activity levels
<ul style="list-style-type: none"> The weekly number of influenza PCR positives declined in this reporting period (weeks 22-25) compared to last reporting period (weeks 20-21). The weekly number of COVID-19 PCR positives remained stable in this reporting period (weeks 22-25) compared to last reporting period (weeks 20-21) and mirrors the trends observed around the same reporting period in 2022/23. The weekly number of RSV PCR positives declined in this reporting period compared to the last reporting period (weeks 20-21).
Laboratory-confirmed cases
<ul style="list-style-type: none"> Influenza: <ul style="list-style-type: none"> There were 13 new cases of Influenza A and 9 new cases of Influenza B reported during weeks 22-25; there have been 2762 cases of Influenza A and 625 cases of Influenza B reported since the start of the 2023-2024 season. COVID-19: <ul style="list-style-type: none"> There were 262 new cases of COVID-19 reported during weeks 22-25; there have been 8395 laboratory confirmed cases of COVID-19 since the start of the 2023-2024 season. RSV: <ul style="list-style-type: none"> There were 8 new cases of RSV reported during weeks 22-25; there have been 1498 laboratory confirmed cases of RSV since the start of the 2023-2024 season.
Severity
<ul style="list-style-type: none"> Influenza: <ul style="list-style-type: none"> During the 2023-2024 season there have been: <ul style="list-style-type: none"> 541 hospitalizations (non-ICU) 43 ICU admissions 73 deaths COVID-19: <ul style="list-style-type: none"> During the 2023-2024 season there have been: <ul style="list-style-type: none"> 852 hospitalizations (non-ICU) 95 ICU admissions 232 deaths
Outbreaks
<ul style="list-style-type: none"> There were 6 new long term care facility outbreaks declared in this 4-week reporting period: <ul style="list-style-type: none"> 0 influenza 6 COVID-19 0 RSV
Syndromic surveillance
<ul style="list-style-type: none"> The percentage of emergency department visits for influenza like illness (ILI) was 0.6% during this reporting period.

¹ See Appendix for data notes.

INFLUENZA

Figure 1: Laboratory-confirmed influenza cases by week (N=3387), 2023-2024 season, with comparison to previous seasons, Nova Scotia²

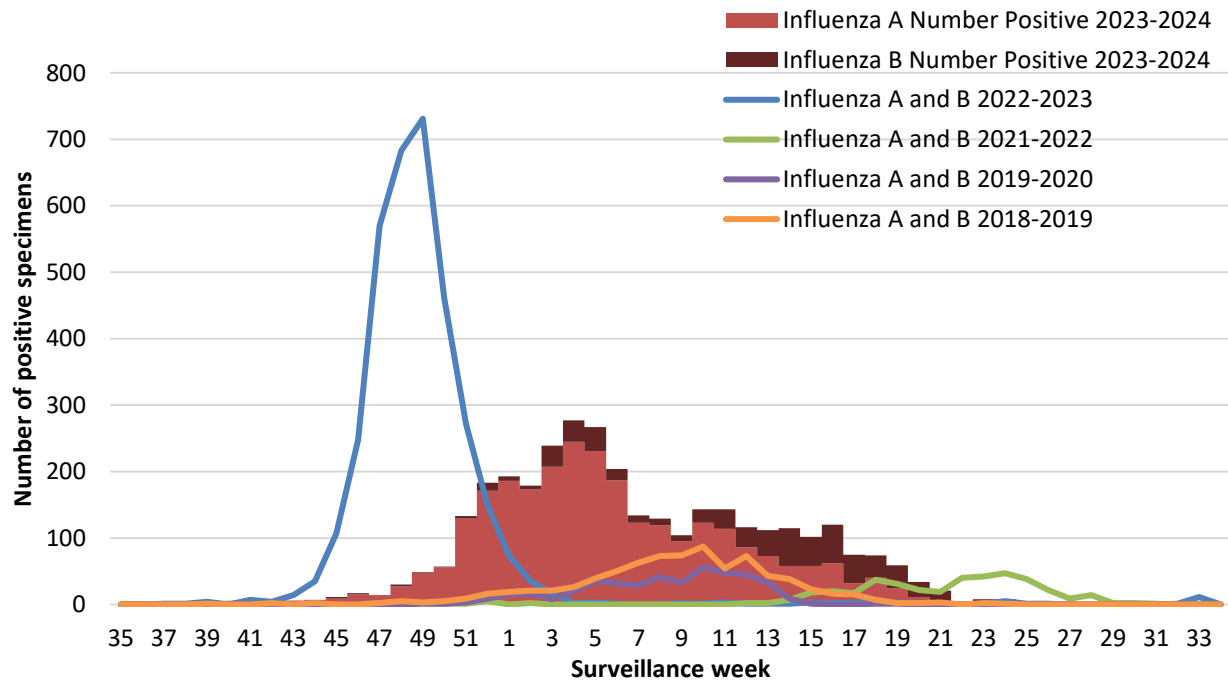


Table 1: Number of laboratory-confirmed influenza cases by zone, current reporting period and cumulative 2023-2024 season, Nova Scotia³

ZONE	CURRENT PERIOD			CUMULATIVE 2023-2024		
	INFLUENZA A	INFLUENZA B	TOTAL	INFLUENZA A	INFLUENZA B	TOTAL
Western	2	1	3	554	56	610
Northern	0	7	7	786	290	1076
Eastern	5	0	5	706	187	893
Central	6	1	7	716	92	808
Nova Scotia Total	13	9	22	2762	625	3387

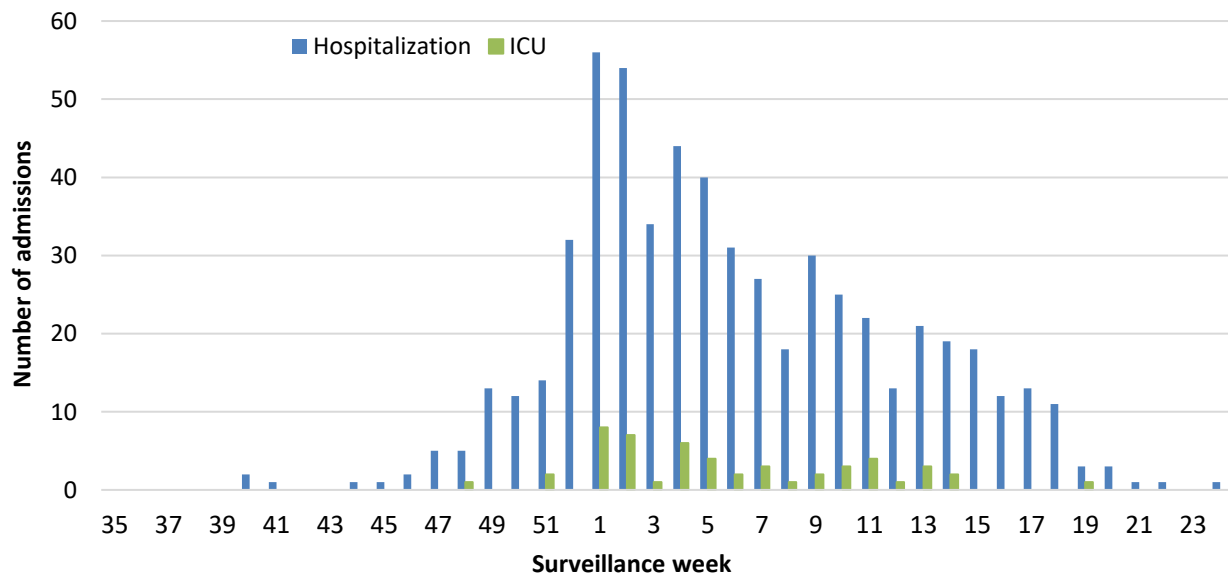
² There were no reported influenza cases during the 2020-2021 season.

³ Influenza case data are continuously entered and cleaned. Past-week data may be modified.

Table 2: Number of laboratory-confirmed influenza cases by age group, current reporting period and cumulative 2023-2024 season, Nova Scotia

AGE (YEARS)	CURRENT PERIOD			CUMULATIVE 2023-2024		
	INFLUENZA A	INFLUENZA B	TOTAL	INFLUENZA A	INFLUENZA B	TOTAL
0-4	1	1	2	274	65	339
5-19	0	3	3	329	277	606
20-44	5	5	10	476	201	677
45-64	3	0	3	672	52	724
65+	4	0	4	1011	30	1041
Nova Scotia Total	13	9	22	2762	625	3387

Figure 2. Number of influenza hospitalizations and ICU admissions by week, 2023-2024 season, Nova Scotia⁴

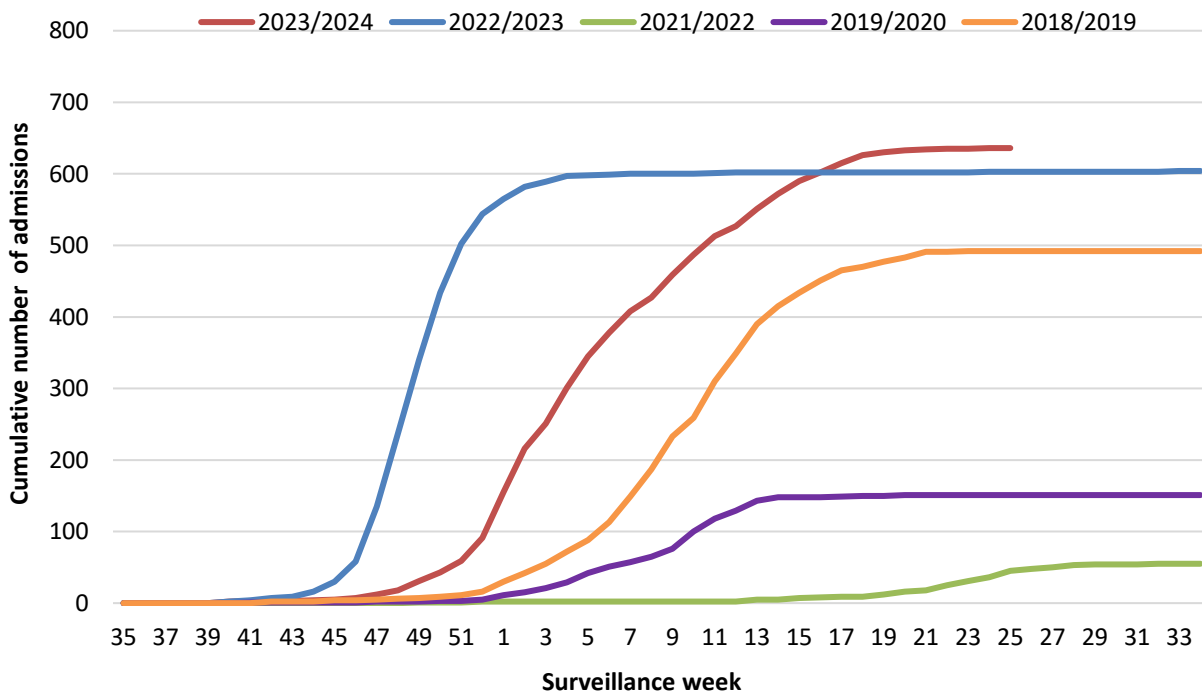


⁴ Due to influenza outcome reporting cycles, a data delay prevents reporting on the most recent surveillance week. If a case is hospitalized and moves to ICU in the same reporting week, they will appear in both the hospitalization and ICU columns for that week.

Table 3: Hospitalizations, ICU admissions, and deaths for influenza positive patients, based on most severe outcome, cumulative counts, 2023-2024 season, Nova Scotia⁵

AGE (years)	CUMULATIVE 2023-2024		
	Hospitalizations	ICU	Deaths
0-4	39	0	1
5-19	46	2	0
20-44	41	5	1
45-64	123	15	6
65+	292	21	65
Nova Scotia Total	541	43	73

Figure 3: Cumulative influenza hospitalizations and ICU admissions, by week, 2023-24 season compared to prior seasons, Nova Scotia⁶



⁵ In this table, only the most severe outcome for a case is included; numbers of hospitalizations and ICU admissions could therefore decline over time, if a person counted in one of those columns moves to a more severe outcome. Influenza outcome data are continuously entered and cleaned. Past-week data may be modified.

⁶ A case can have more than one outcome (e.g., be hospitalized, and later move to the ICU); multiple outcomes per case are counted in graphs showing outcomes by week, where applicable. There were no reported cases of influenza during the 2020-2021 season.

COVID-19

Figure 4: Laboratory-confirmed COVID-19 cases by week (N=8395), 2023-2024 season, with comparison to previous season, Nova Scotia

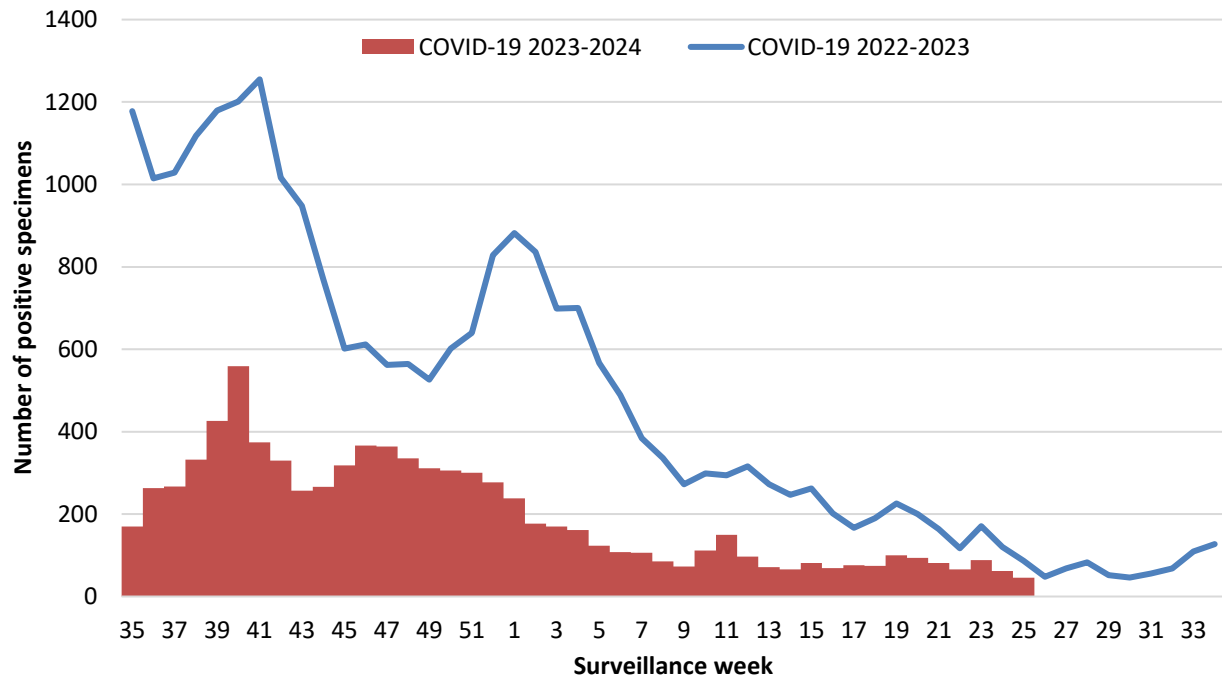


Table 4: Number of laboratory-confirmed COVID-19 cases by zone, current period and cumulative 2023-2024 season, Nova Scotia⁷

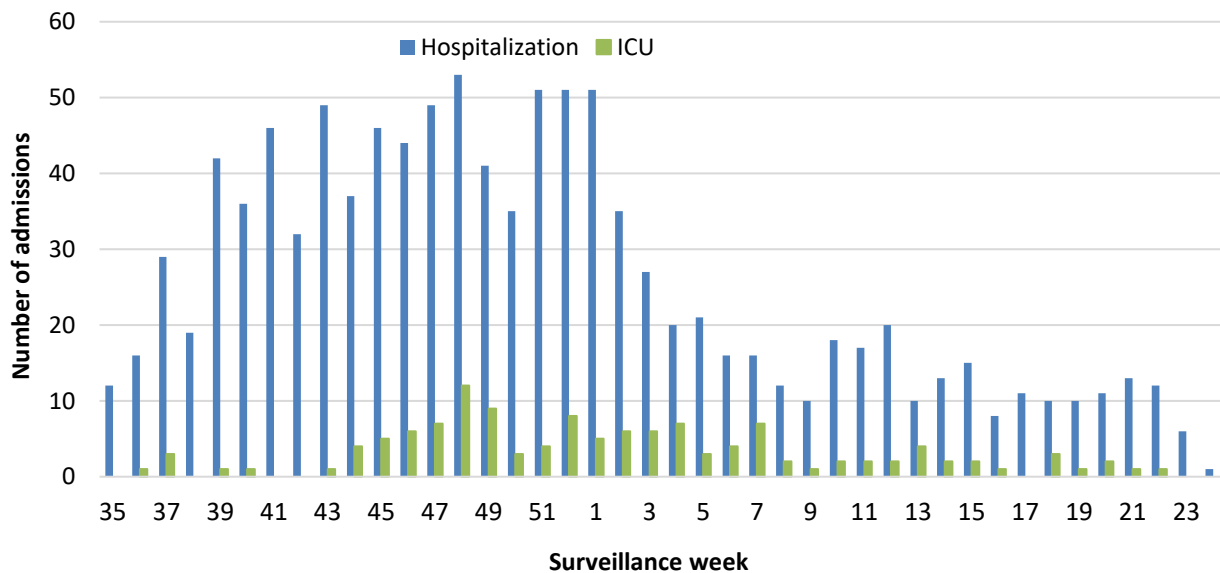
ZONE	CURRENT PERIOD	CUMULATIVE 2023-2024
Western	50	1797
Northern	52	1596
Eastern	25	1473
Central	135	3529
Nova Scotia Total	262	8395

⁷ COVID-19 case data are continuously entered and cleaned. Data from prior weeks may be modified.

Table 5. Number of laboratory-confirmed COVID-19 cases by age group, current period and cumulative 2023-2024 season, Nova Scotia

AGE (YEARS)	CURRENT PERIOD	CUMULATIVE 2023-2024
0-4	4	157
5-19	1	123
20-44	18	1223
45-64	59	1791
65+	180	5101
Nova Scotia Total	262	8395

Figure 5: Number of COVID-19 hospitalizations and ICU admissions by week, 2023-2024 season, Nova Scotia⁸

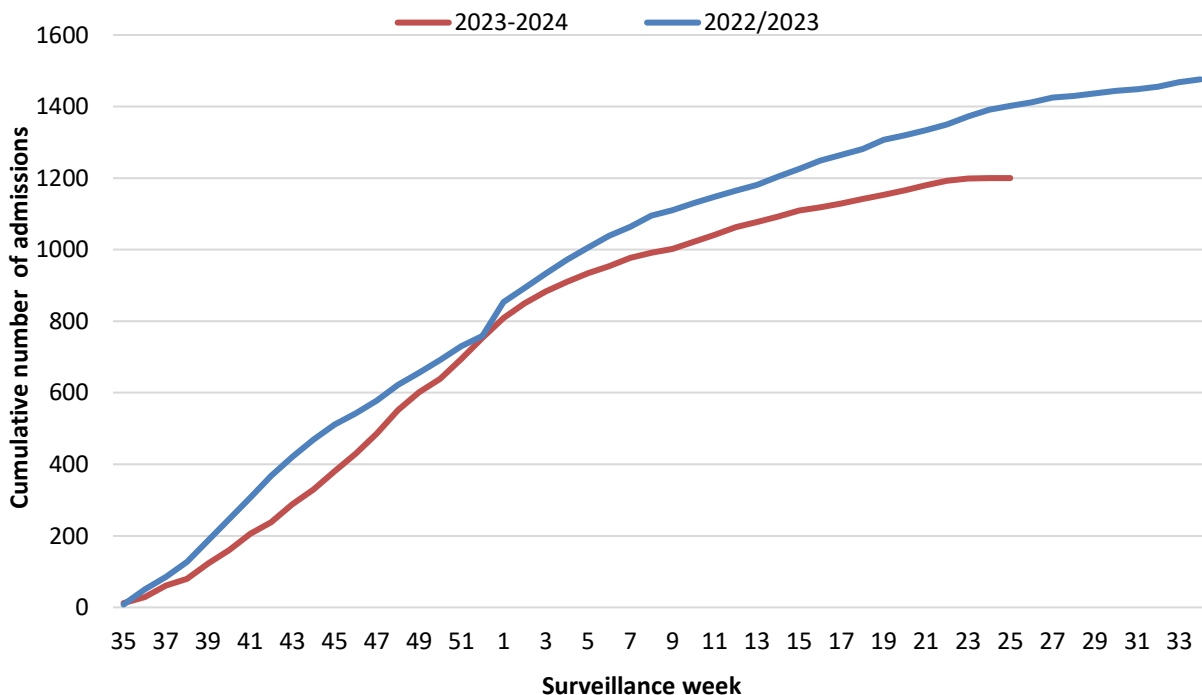


⁸ Due to COVID-19 outcome reporting cycles, a data delay prevents reporting on the most recent surveillance week. If a case is hospitalized and moves to ICU in the same reporting week, they will appear in both the hospitalization and ICU columns for that week.

Table 6: Hospitalizations, ICU admissions, and deaths for COVID-19 positive patients, cumulative counts, 2023-2024 season, Nova Scotia⁹

AGE (years)	CUMULATIVE 2023-2024		
	Hospitalizations	ICU	Deaths
0-4	11	0	0
5-19	8	0	0
20-44	26	7	2
45-64	105	27	12
65+	702	61	218
Nova Scotia Total	852	95	232

Figure 6: Cumulative COVID-19 hospitalizations and ICU admissions, by week, 2023-24 season compared to prior seasons, Nova Scotia¹⁰



⁹ In this table, only the most severe outcome for a case is included; numbers of hospitalizations and ICU admissions could therefore decline over time, if a person counted in one of those columns moves to a more severe outcome. COVID-19 outcome data are continuously entered and cleaned. Data from prior weeks may be modified.

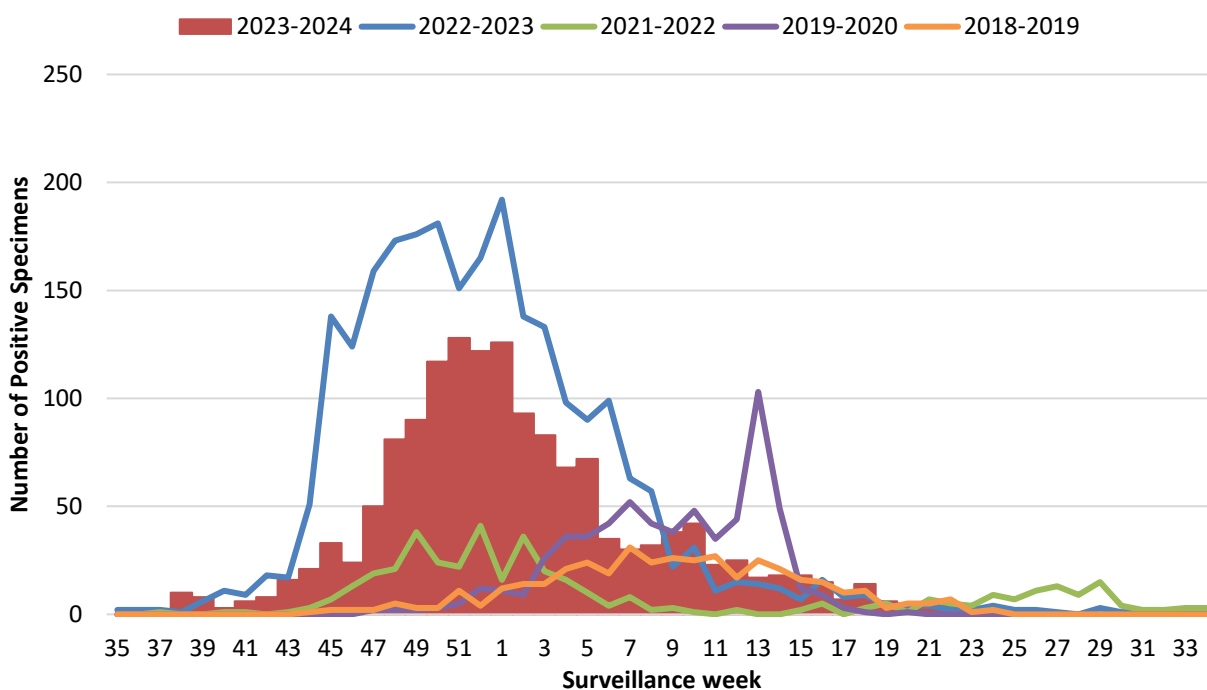
¹⁰ A case can have more than one outcome (e.g., be hospitalized, and later move to the ICU); multiple outcomes per case are counted in graphs showing outcomes by week, where applicable.

RSV

Table 7: Number of laboratory-confirmed RSV cases by age group, current reporting period and cumulative 2023-2024 season, Nova Scotia

AGE (YEARS)	CURRENT PERIOD	CUMULATIVE 2023-2024
0-5 months	1	254
6-11 months	2	86
12-23 months	0	146
2-4 years	0	242
5-19 years	0	94
20-64 years	3	213
65+ years	2	463
Nova Scotia Total	8	1498

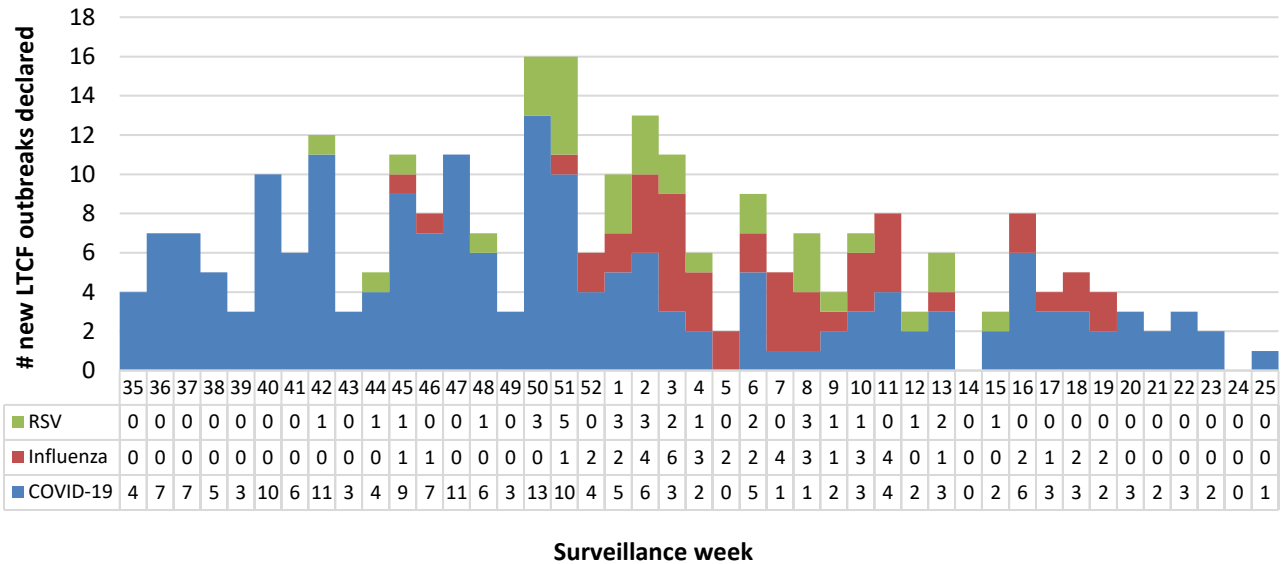
Figure 7: Laboratory-confirmed RSV cases by week (N=1498), 2023-2024 season, with comparison to previous seasons, Nova Scotia¹¹



¹¹ There were no reported RSV cases during the 2020-2021 season. There has been a change in testing methods with the implementation of multiplex respiratory virus PCR. This may increase the number of cases detected.

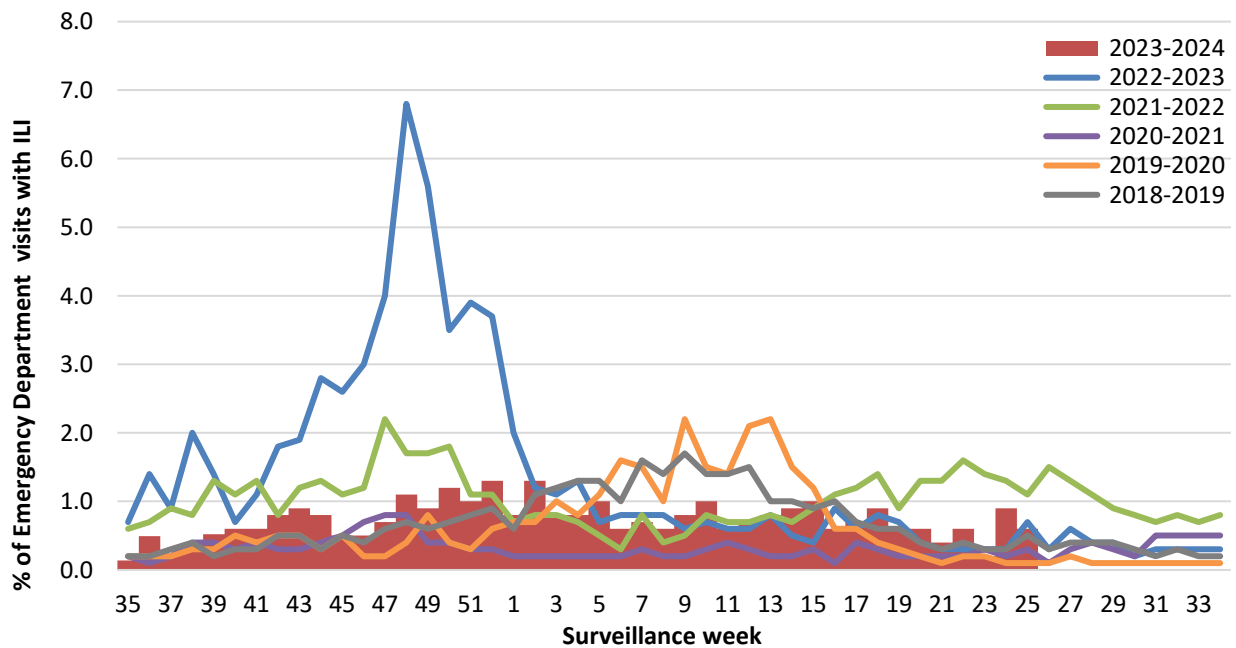
RESPIRATORY OUTBREAKS

Figure 8. Number of new long term care facility respiratory outbreaks by week and respiratory virus (influenza, COVID-19 and RSV), 2023-2024 season, Nova Scotia¹²



SYNDROMIC SURVEILLANCE

Figure 9: Percentage of emergency department visits due to ILI by report week, 2023-2024 season, with comparison to previous seasons, Nova Scotia



¹² Outbreak definitions can be found in the Appendix.

OTHER RESPIRATORY ILLNESS

Table 8: Number of positive specimens for other respiratory viruses, current reporting period and cumulative 2023-2024 season, Nova Scotia

PATHOGEN	CURRENT PERIOD	CUMULATIVE 2023-2024
Adenovirus	1	48
Bocavirus	6	15
Coronavirus*	1	34
Enterovirus/Rhinovirus	19	269
Metapneumovirus	1	21
Parainfluenza	14	56

**Excludes COVID-19*

Week 22-25 (May 26, 2024 to June 22, 2024)

APPENDIX – DATA NOTES AND DEFINITIONS

DATA NOTES

- A surveillance week runs from Sunday to Saturday. Nova Scotia’s 2023-2024 season is aligned with the Public Health Agency of Canada (PHAC) FluWatch surveillance weeks.
 - This year runs from August 27, 2023 (Week 35) to August 24, 2024 (Week 34).
- Notifications of hospitalizations, ICU admissions, and deaths may lag; deaths are particularly affected. Additionally, data are incomplete for the most recent week because COVID-19 and influenza outcome reporting from public health occurs on Wednesdays. The most recent surveillance week is not included in graphs showing outcomes by week because of this.
- The definition for a COVID-19 hospitalization was changed in May 2023.
- RSV is not a notifiable disease in Nova Scotia.
- Testing eligibility guidelines and the use of multiplex PCR testing affect the number of cases identified and reported.
 - A multiplex PCR tests for multiple respiratory pathogens simultaneously. Routine multiplex PCR tests include influenza, RSV, and COVID-19.
 - In the 2022-2023 season, Nova Scotia saw increased accessibility to a multiplex PCR testing which likely increased detection in community of influenza and RSV.
 - Testing is limited to specific populations and the numbers reported here under-represent the true burden of disease in the community.

DEFINITIONS USED IN RESPIRATORY SURVEILLANCE, AND USEFUL LINKS, 2023-2024

See: [Nova Scotia’s Respiratory Response Plan](#)

ACRONYM LIST

ICU	Intensive care unit
ILI	Influenza-like illness
RSV	Respiratory syncytial virus
PCR	Polymerase chain reaction
LTCF	Long term care facilities

OUTBREAK DEFINITIONS

Lab Confirmed COVID-19 Outbreak

Two or more laboratory-confirmed resident cases, AND at least one is a facility acquired case, with all cases epidemiologically linked within the LTCF in a 10-day period

Lab Confirmed Influenza Outbreak

Two or more resident cases of ILI (influenza-like illness), where at least one is a laboratory confirmed case of influenza, within the LTCF in a 7-day period

Week 22-25 (May 26, 2024 to June 22, 2024)

Lab Confirmed Respiratory Syncytial Virus (RSV) Outbreak

Two or more symptomatic residents where at least one is a laboratory confirmed case of RSV, epidemiologically linked within the LTCF in a 7-day period

ILI CASE DEFINITION

Acute onset of respiratory illness with fever and cough and with one or more of the following – sore throat, arthralgia, myalgia or prostration which is likely due to influenza. In children under 5, gastrointestinal symptoms may also be present. In patients under 5 or 65 and older, fever may not be prominent.

OTHER CASE DEFINITIONS

See: [Surveillance Guidelines | novascotia.ca](#)

LINKS TO OTHER WEEKLY INFLUENZA REPORTS

Canada: [Weekly influenza reports - Canada.ca](#)

World: <https://www.who.int/teams/global-influenza-programme/surveillance-and-monitoring/influenza-updates/current-influenza-update>

US: www.cdc.gov/flu/weekly