



COVID-19 Report

**REPORTING PERIOD:
DECEMBER 4 TO DECEMBER 10, 2022
(WEEK 49)**

December 13
Department of Health





SUMMARY

n = 819 New PCR confirmed cases ¹	n = 7 Deaths ¹	n = 82541 Cases are resolved	n = 1075 Cases are active ²
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n = 40 Current hospitalizations ^{2,3} (non-ICU and ICU)	n = 0 Current ICU ^{2,3}	n = 41 Seven-day moving average (hospitalizations)	n = 117 Seven-day moving average (cases)
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HIGHLIGHTS

- The number of PCR confirmed cases has increased this week compared to last week.
- The number of hospital admissions for COVID-19 has decreased this week (29) compared to last week (32).
- The number of active hospitalizations has remained the same this week compared to last week (40).
- The number of deaths has increased this week (7) compared to last week (6).
- The highest portion of hospitalizations for COVID-19 is among individuals aged 70-89.
- Individuals that are unprotected by vaccine continue to have the highest rate of COVID-19 ICU admissions.
- Amongst the most recent random sample sequenced for COVID-19:
 - 0% of samples are BA.1.
 - 1% of samples are BA.2.
 - 0% of samples are BA.3.
 - 4% of samples are BA.4.
 - 95% of samples are BA.5.

¹ Reported during Sunday, December 4 to Saturday, December 10, 2022 (week 49).

² Status as of 11:59pm on Saturday, December 10, 2022.

³ Confirmed cases hospitalized for COVID-19.

COVID-19 LABORATORY DATA⁴

Table 1: The total number of PCR (polymerase chain reaction) and positive self-reported POCT (point of care) tests performed for COVID-19 by zone.

Zone	PCR Tests (Change)	Positive POCT (Change)
Zone 1	345536 (+1543)	26812 (+150)
Zone 2	173434 (+1312)	19329 (+77)
Zone 3	189054 (+1587)	19986 (+118)
Zone 4	89365 (+454)	4387 (+17)
Zone 5	50258 (+251)	1980 (+6)
Zone 6	75101 (+736)	7376 (+35)
Zone 7	46904 (+497)	3850 (+25)
Total	969652 (+6380)	83720 (+428)

Table 2: Total number of PCR confirmed COVID-19 cases.

Zone	Current reporting week	Cumulative confirmed	Number of resolved	Number of deceased	Number of active ⁵	Seven-day moving average
Zone 1	292	26264	25693	187	384	42
Zone 2	168	18557	18233	107	217	24
Zone 3	148	16215	15915	107	193	21
Zone 4	72	6803	6634	83	86	10
Zone 5	19	3395	3321	37	37	3
Zone 6	86	7971	7789	71	111	12
Zone 7	34	5039	4956	36	47	5
Total	819	84244	82541	628	1075	117

⁴ Source: George Dumont Laboratory extracts and self-reported POCT database

⁵ Status as of 11:59pm on Saturday, December 10, 2022



Figure 1: Seven-day moving average of PCR confirmed COVID-19 cases by report date from December 5, 2021, to December 10, 2022.

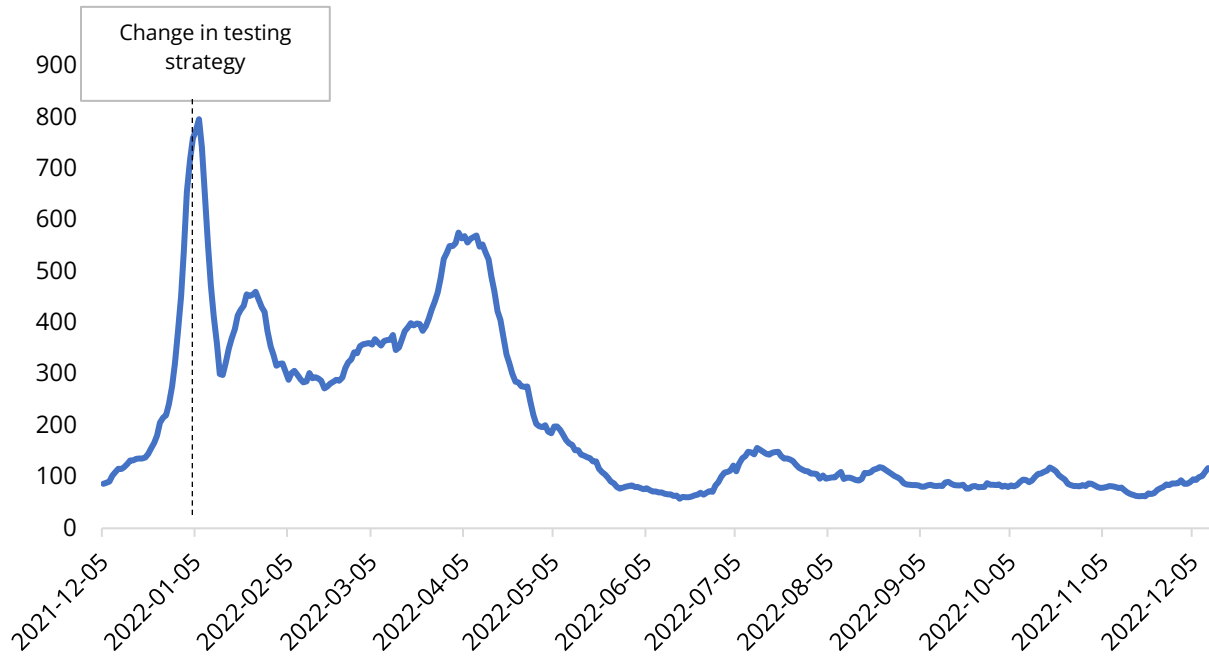


Figure 2: Seven-day moving average of PCR confirmed COVID-19 cases by zone and report date from December 5, 2021, to December 10, 2022.

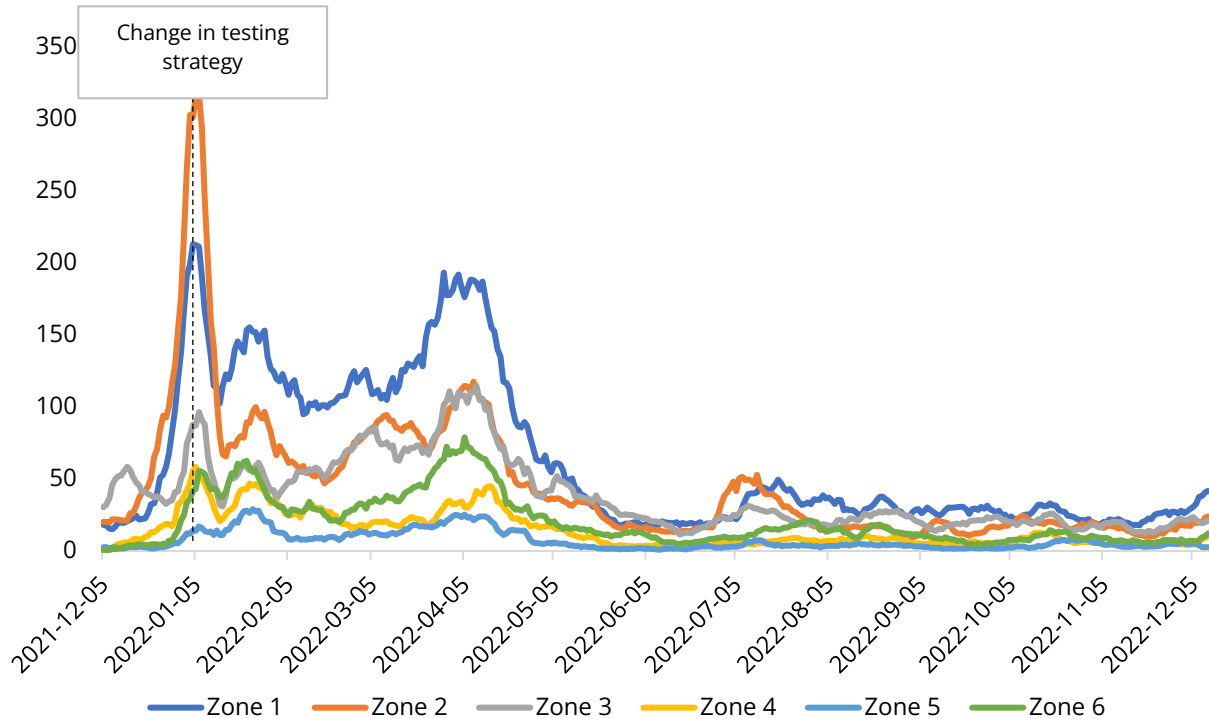


Table 3: Demographics of PCR confirmed COVID-19 cases in New Brunswick by reporting week, current and previous, and cumulative, up to December 10, 2022.

Age range	Current Reporting Week		Previous Reporting Week		Cumulative	
	Number	Percent	Number	Percent	Number	Percent
< 10 years old	17	2.1%	27	4.5%	4757	5.6%
10 - 19 years old	12	1.5%	8	1.3%	4417	5.2%
20 - 29 years old	65	7.9%	63	10.4%	11146	13.2%
30 - 39 years old	114	13.9%	80	13.2%	12081	14.3%
40 - 49 years old	109	13.3%	91	15.0%	11718	13.9%
50 - 59 years old	125	15.3%	100	16.5%	14563	17.3%
60 - 69 years old	105	12.8%	84	13.9%	10742	12.8%
70 - 79 years old	103	12.6%	72	11.9%	7310	8.7%
80 - 89 years old	109	13.3%	54	8.9%	5221	6.2%
90+ years old	60	7.3%	27	4.5%	2289	2.7%
Total	819	100.0%	606	100.0%	84244	100.0%
Vaccination status ⁶	Number	Percent	Number	Percent	Number ⁷	Percent
Protected	565	69.0%	405	66.8%	49518	65.6%
Unprotected	254	31.0%	201	33.2%	25955	34.4%
Total	819	100.0%	606	100.0%	75473	100.0%

⁶Protected refers to boosted or fully vaccinated less than six months. Unprotected refers to fully vaccinated more than six months, partially vaccinated, and unvaccinated. The protected definition does not include individuals with protection from a previous infection. The definitions of “protected” and “unprotected” are currently under review.

⁷Cases reported since December 5, 2021.

COVID-19 HOSPITALIZATIONS⁸ AND DEATH⁹ SURVEILLANCE

Table 4: Hospitalizations for COVID-19 in New Brunswick, by age groups for reporting week, previous and current, and cumulative (Data up to December 10, 2022).

Age range	Total admissions (non-ICU and ICU)			ICU admissions			Resolved or discharg- ed	Deceased ¹⁰
	Current reporting week	Previous reporting week	Cumulative	Current reporting week	Previous reporting week	Cumulative	Cumulative	Cumulative
< 10 years old	1	0	53	0	0	1	53	0
10 - 19 years old	0	1	21	0	0	2	20	0
20 - 29 years old	1	1	51	0	0	15	46	3
30 - 39 years old	0	0	60	0	0	13	55	5
40 - 49 years old	1	1	125	0	0	42	115	14
50 - 59 years old	5	1	229	0	0	65	213	26
60 - 69 years old	5	7	382	0	0	102	353	58
70 - 79 years old	8	7	535	0	0	111	459	164
80 - 89 years old	7	9	434	0	0	47	362	200
90+ years old	1	5	174	0	0	10	128	158
Total	29	32	2064	0	0	408	1804	628

⁸ Hospitalizations (including ICU admissions) are individuals that are hospitalized for COVID-19.

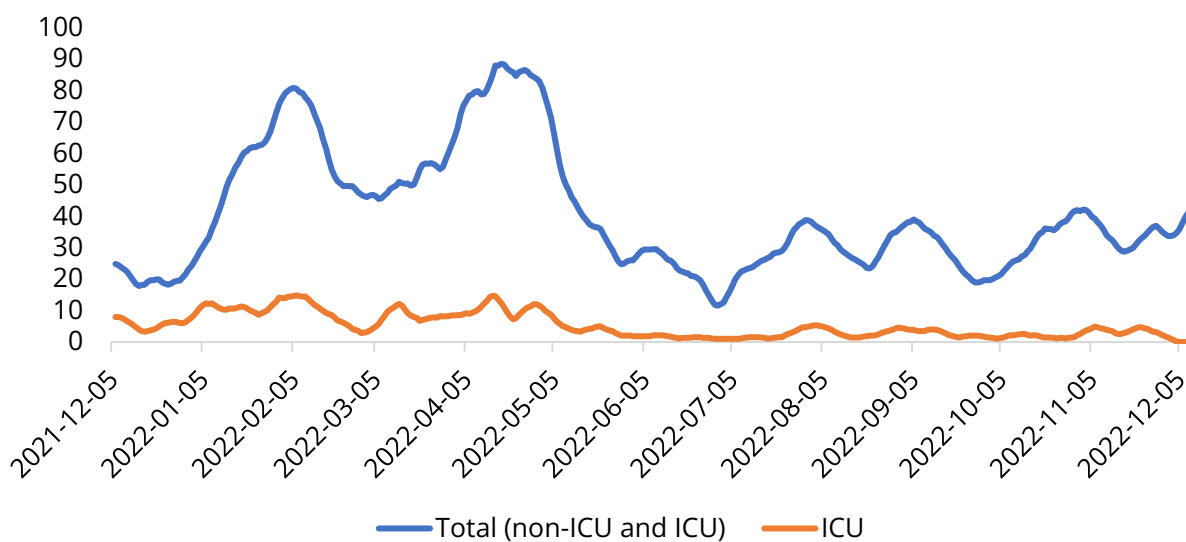
⁹ Deaths are those where COVID-19 was a primary or contributing factor to cause of death as per the attending physician.

¹⁰ Deceased cases reported within and outside of hospital.

Table 5: Vaccination status, proportion, and rate per 100,000 for hospitalized and deceased cases reported since December 5, 2021 (week 49).

Vaccination status ¹¹	Hospitalizations (non-ICU and ICU)			ICU			Deceased		
	N	%	Rate per 100,000	N	%	Rate per 100,000	N	%	Rate per 100,000
Protected	989	55.7%	241.2	118	42.8%	28.8	301	62.7%	73.4
Unprotected	785	44.3%	230.4	158	57.2%	46.4	179	37.3%	52.5
Total	1774	100.0%	236.3	276	100.0%	36.8	480	100.0%	63.9

Figure 3: Seven-day moving average of hospitalizations for COVID-19 since December 5, 2021 (week 49).



¹¹Protected refers to boosted or fully vaccinated less than six months. Unprotected refers to fully vaccinated more than six months, partially vaccinated, and unvaccinated. The protected definition does not include individuals with protection from a previous infection. The definitions of “protected” and “unprotected” are currently under review.



National and International COVID-19 Activity

CANADA¹²

- At the national level, case counts increased while outbreak incidence continued to decrease.
 - Trends and indicators vary across provinces and territories.
- There has been a slight increase in COVID-19 hospitalizations. COVID-19 deaths have stabilized.
- Recently emerging lineages of BF.7, BQ.1, and BQ.1.1 have replaced previously dominant BA.5 lineages.

INTERNATIONAL

- Maine case counts remain stable; currently at a 172 7-day average.
- Global case counts continue to increase. There were roughly 3.2 million cases last week.
 - Please note, case and death data for the Region of the Americas are incomplete.
 - Case counts in the regions of Europe and Americas have been slightly increasing over the last few weeks while Western Pacific has plateaued. The other regions continue to show stabilized or decreasing trends.
 - Japan and United States have the two highest new case counts in the last 7 days, followed by Republic of Korea, France, and Germany.
- There is a stabilization in global COVID-19 deaths.

¹² COVID-19 epidemiology update - Canada.ca