



COVID-19 epidemiology update

Summary of COVID-19 cases, hospitalizations and deaths, testing and variants of concern across Canada and over time.

Current update

Updated: July 4, 2022, 8 am EST

This summary of COVID-19 cases across Canada contains detailed data about the spread of the virus over time and in different regions of the country. Includes breakdowns by age and sex or gender. Provides an overview of testing, variants of concern, cases following vaccination and severe illness and outcomes.

Update schedule: We update all sections of this page every Friday, except for 'Cases following vaccination', which we update on Tuesdays.

i Changes to update schedule

On June 10, 2022, we changed this page to reflect current reporting by the provinces and territories. We've switched from daily to weekly updates for cases, deaths and laboratory tests in the following sections: Key updates, Current situation and National overview.

Canada Day: The regular weekly update schedule will resume on Monday, July 4, 2022.

Key COVID-19 updates (Last data update July 4, 2022, 8 am EST)

Weekly change in cases

16,489

Total cases

3,932,523

Weekly change in deaths

109

Total deaths

41,756

Total tests performed

62,780,307

Daily percent positive (last 7 days)

11.8%

Daily tests per 100,000 population (last 7 days)

59

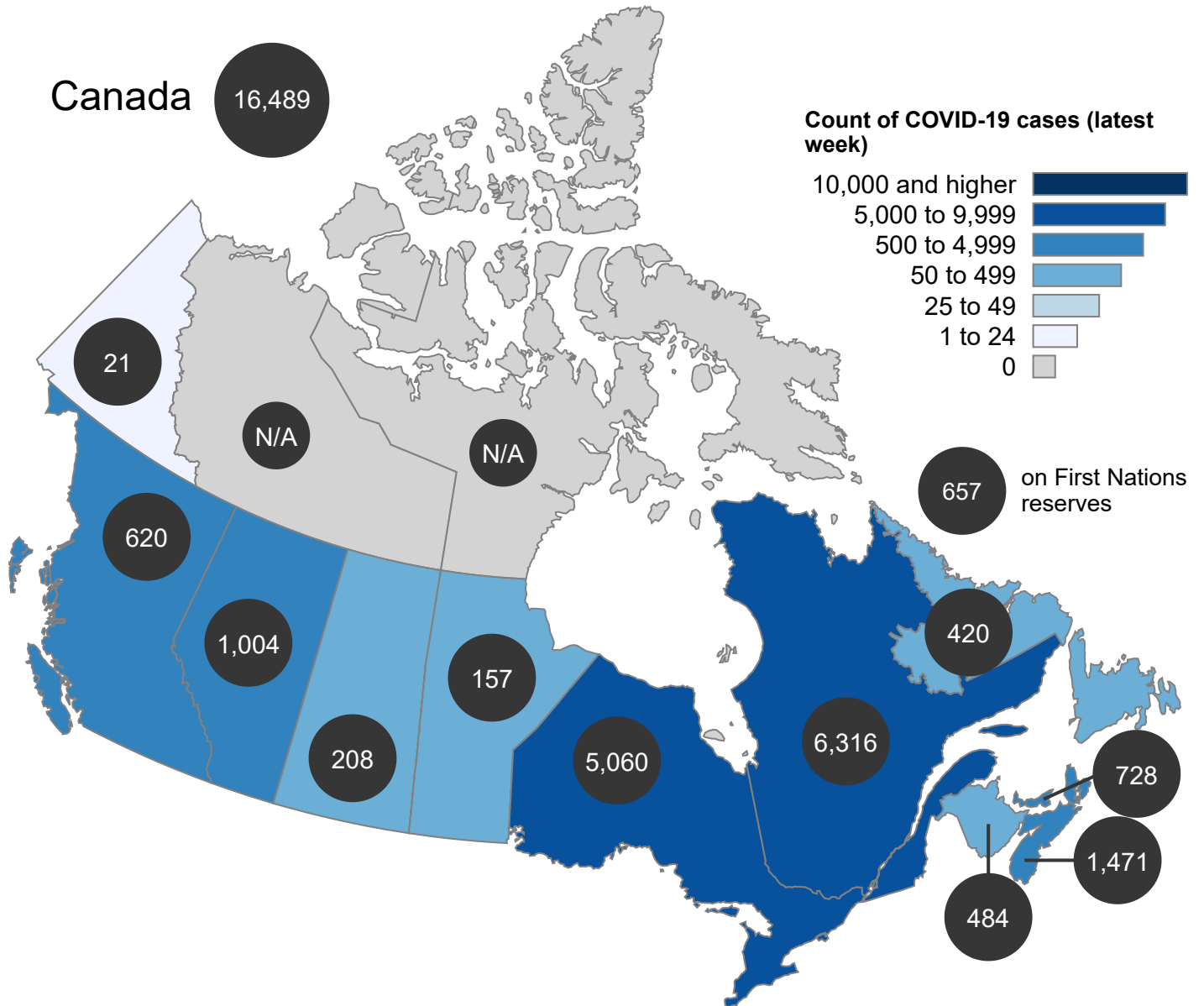
- Case and death information are up to June 25, 2022.
- Weekly change in cases and deaths includes data from 13 of the 13 Canadian provinces and territories reporting updates for the week of June 19 to June 25, 2022.

- These reflect the changes in the case and death counts at the end of the week compared to the end of the previous week.
- Laboratory data represents specimens received by labs up to July 1, 2022 to allow time to process results.
- Due to changes in COVID-19 testing policies in many jurisdictions since December 2021, case counts are under-estimated.

Current situation

Figure 1a. **Count** of **cases (latest week)** of COVID-19, **province/territory** for the week of June 19 to June 25, 2022

(Last data update July 4, 2022, 8 am EDT)



The count of cases of COVID-19 for the week of June 19 to June 25, 2022 in **Canada** was **16,489**.

a. This information is based on data our provincial and territorial partners published on cases, deaths, and testing. The numbers provided reflect cases, deaths up to June 25, 2022 and tests up to July 1, 2022. For the most up to date data for any province, territory or city, please visit their [website](#). The number of cases or deaths reported may differ slightly from those on the provincial and territorial

websites as these websites may update historic case and death counts as new information becomes available.

- b. Due to changes in COVID-19 testing policies in many jurisdictions since December 2021, case counts are under-estimated.
- c. Out of all people tested, 76 were repatriated travellers, of whom 13 tested positive.
- d. As of April 11, 2022, Nunavut no longer publishes regular COVID-19 updates.
- e. As of June 13, 2022, Northwest Territories no longer publishes regular COVID-19 updates.

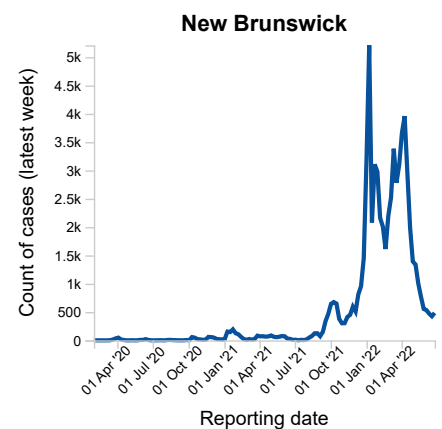
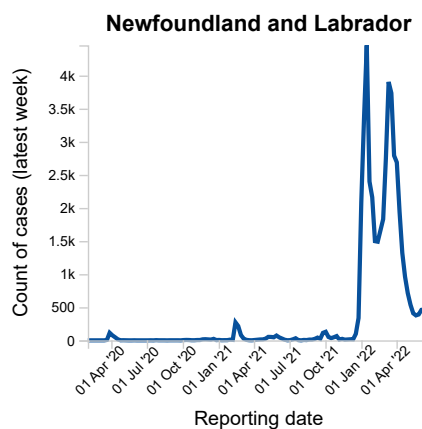
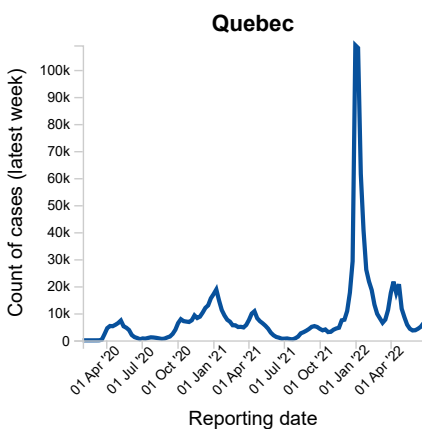
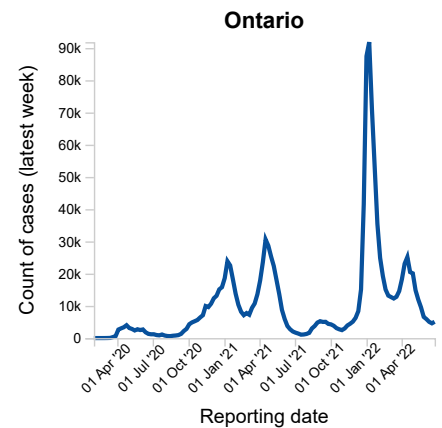
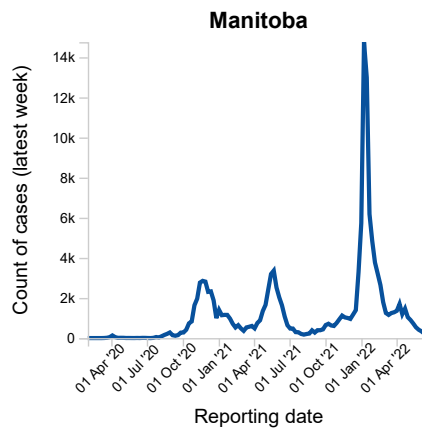
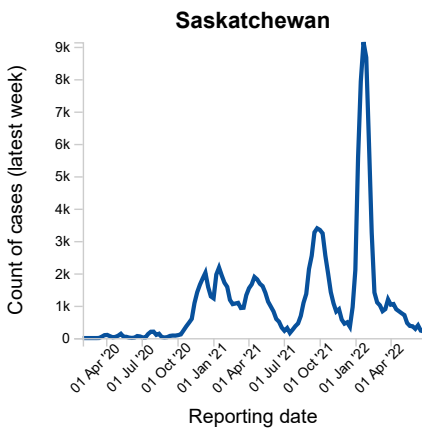
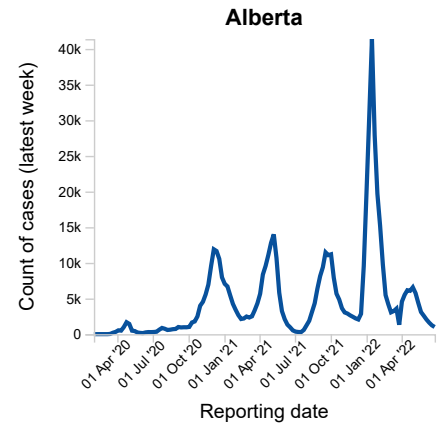
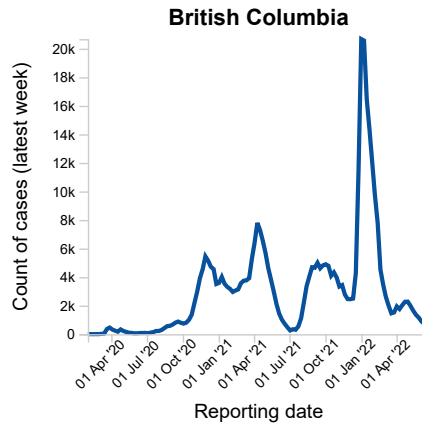
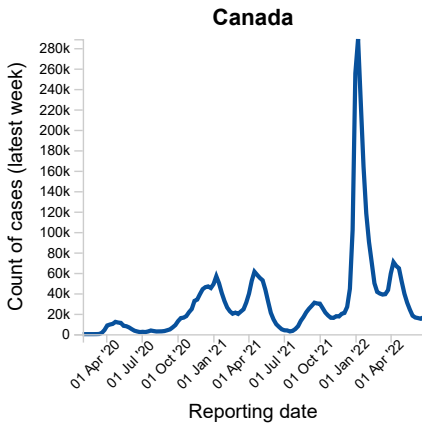
Areas in Canada with cases of COVID-19

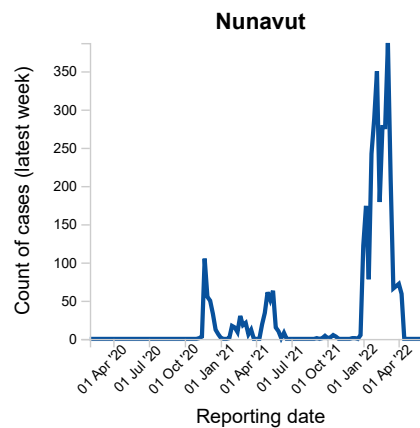
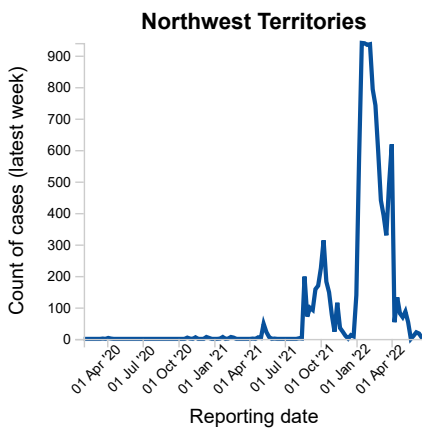
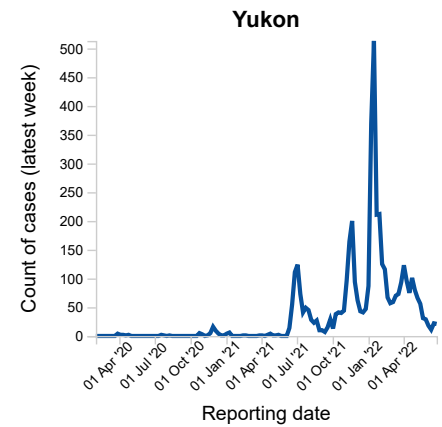
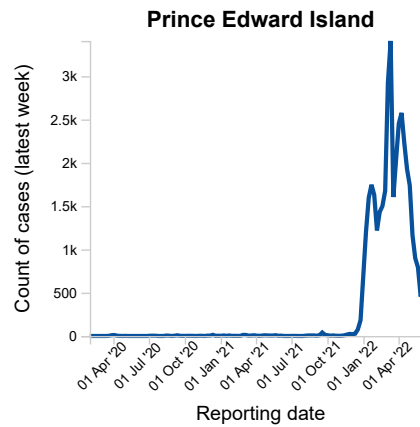
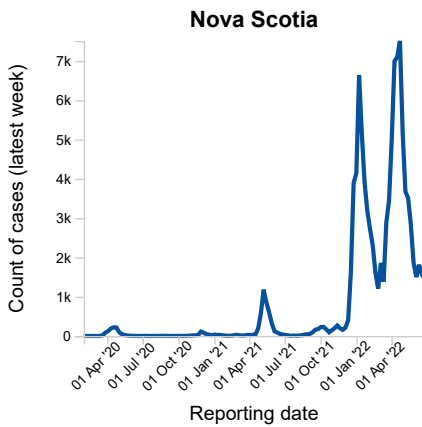
Location	Total cases		Cases (latest week)		Cases (latest 2 weeks)		Total deaths		Deaths (latest week)		Deaths (latest 2 weeks)		Total tests performed	Moving average daily tests performed (latest week)		Moving average daily percent positivity (latest week)
	Count	Rate*	Count	Rate*	Count	Rate*	Count	Rate*	Count	Rate*	Count	Rate*	Count	Count	Rate*	Percent
British Columbia	374,603	7,183	620	12	1,262	24	3,683	71	17	0.3	43	0.8	N/A	1,676	32	8.3%
Alberta	586,794	13,208	1,004	23	2,243	50	4,618	104	15	0.3	33	0.7	N/A	985	22	11.9%
Saskatchewan	139,825	11,851	208	18	439	37	1,399	119	2	0.2	5	0.4	1,601,111	670	57	4.5%
Manitoba	145,481	10,513	157	11	360	26	1,997	144	1	0.1	7	0.5	N/A	234	17	11.8%
Ontario	1,321,565	8,914	5,060	34	9,642	65	13,365	90	30	0.2	52	0.3	N/A	8,603	58	10.3%
Quebec	1,084,272	12,601	6,316	73	11,335	132	15,566	181	34	0.4	81	0.9	N/A	8,005	93	13.7%
Newfoundland and Labrador	47,773	9,177	420	81	882	169	192	37	2	0.4	5	0.9	681,597	788	151	7.6%
New Brunswick	67,725	8,581	484	61	909	115	425	54	3	0.4	3	0.4	N/A	490	62	13.9%
Nova Scotia	104,825	10,566	1,471	148	3,042	307	415	42	5	0.5	13	1.3	2,001,986	1,066	107	26.6%
Prince Edward Island	40,188	24,457	728	443	1,379	839	36	22	0	0.3	1	0.9	N/A	28	17	12.2%
Yukon	4,450	10,353	21	49	43	100	31	72	0	0.0	3	7.8	N/A	N/A	N/A	N/A
Northwest Territories	11,478	25,225	N/A	N/A	4	9	22	48	N/A	N/A	N/A	N/A	N/A	6	13	3.5%
Nunavut	3,531	8,961	N/A	N/A	N/A	N/A	7	18	N/A	N/A	N/A	N/A	N/A	N/A	N/A	N/A
Canada	3,932,523	10,282	16,489	43	31,540	82	41,756	109	109	0.3	246	0.6	62,780,307	22,549	59	11.8%

- a. This information is based on data our provincial and territorial partners published on cases, deaths, and testing. The numbers provided reflect cases, deaths up to June 25, 2022 and tests up to July 1, 2022. For the most up to date data for any province, territory or city, please visit their [website](#). The number of cases or deaths reported may differ slightly from those on the provincial and territorial websites as these websites may update historic case and death counts as new information becomes available.
- b. Starting April 7, 2022, British Columbia reports all deaths within 30 days of a positive COVID-19 test, regardless of the cause of death. As a result, deaths are now over-estimated for BC and should not be directly compared to other jurisdictions or to earlier data from BC.
- c. As of April 11, 2022, Nunavut no longer publishes regular COVID-19 updates.
- d. As of June 13, 2022, Northwest Territories no longer publishes regular COVID-19 updates.
- e. Out of all people tested, 76 were repatriated travellers, of whom 13 tested positive.
- e. * Rate per 100,000 population
- f. Out of the total number of people tested, 76 were repatriated travellers, of which 13 were cases.

Figure 1b. **Count** of **cases (latest week)** of **COVID-19 in Canada up to June 25, 2022** (Last data update July 4, 2022, 8 am EDT)

The figures below show cases over time. The range of dates (January 31st, 2020 - present date) is the same for each figure. This allows you to compare the provinces and territories on the same timescale.





- a. This information is based on data our provincial and territorial partners published on cases, deaths, and testing. The numbers provided reflect cases, deaths up to June 25, 2022 and tests up to July 1, 2022. For the most up to date data for any province, territory or city, please visit their [website](#). The number of cases or deaths reported may differ slightly from those on the provincial and territorial websites as these websites may update historic case and death counts as new information becomes available.
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[Downloadable data \(in .csv format\).](#)

National overview

There have been **62,780,307** COVID-19 tests performed in Canada or **1,641,482 tests per 1 million people**.

Table 1. Weekly* change in the number of cases, deaths and tests performed, by province or territory, for the week of June 19 to June 25, 2022 (Last data update July 4, 2022, 8 am EDT)

Location	Cases	Deaths	Tests performed
British Columbia	620	17	12,143
Alberta	1,004	15	8,051
Saskatchewan	208	2	5,372
Manitoba	157	1	1,687
Ontario	5,060	30	65,787
Quebec	6,316	34	57,951
Newfoundland and Labrador	420	2	2,807
New Brunswick	484	3	3,727
Nova Scotia	1,471	5	7,555
Prince Edward Island	728	0	183
Yukon	21	0	N/A
Northwest Territories	N/A	N/A	64
Nunavut	N/A	N/A	N/A
Canada	16,489	109	165,352

- a. * Weekly change in cases, deaths and tests performed reflect the changes in the case and death counts between the end of the latest week and the end of the previous week. Data are updated on an ongoing basis. The current report reflects data most recently received by PHAC at the time of the last update and are subject to change.
- b. N/A means that no update was provided by the province or territory for the latest week.
- c. Due to changes in COVID-19 testing policies in many jurisdictions since December 2021, case counts are under-estimated.
- d. Starting April 7, 2022, British Columbia reports all deaths within 30 days of a positive COVID-19 test, regardless of the cause of death. As a result, deaths are now over-estimated for BC and should not be directly compared to other jurisdictions or to earlier data from BC.

COVID-19 variants in Canada

All viruses, including COVID-19, change over time. These changes are called mutations, and result in variants of the virus. Not all mutations are of concern. Most do not cause more severe illness. However, some mutations result in variants of concern or variants of interest.

A variant of concern has mutations that are significant to public health. Before a variant of interest is considered one of concern, scientists and public health professionals must determine if the mutations result in an actual change in the behaviour of the virus. For example, it might:

- spread more easily
- cause more severe illness
- require different treatments, or
- reduce vaccine effectiveness

There are several variants of interest that have mutations similar to variants of concern, but we don't yet know if they pose a higher risk to public health.

The Public Health Agency of Canada (PHAC) works with provincial and territorial partners and the Canadian COVID-19 Genomics Network ([CanCOGeN](#)), to sequence a percentage of all positive COVID-19 test results. Sequencing reveals the genetic code of the virus, which tells us which variant is involved in a specific case of COVID-19. We report the proportion of COVID-19 variants in Canada every week.

We collect evidence to determine if new variants meet the definition for a variant of concern or a variant of interest. Many variants are being tracked across Canada and around the world. Variants of concern now represent a majority of COVID-19 cases in Canada.

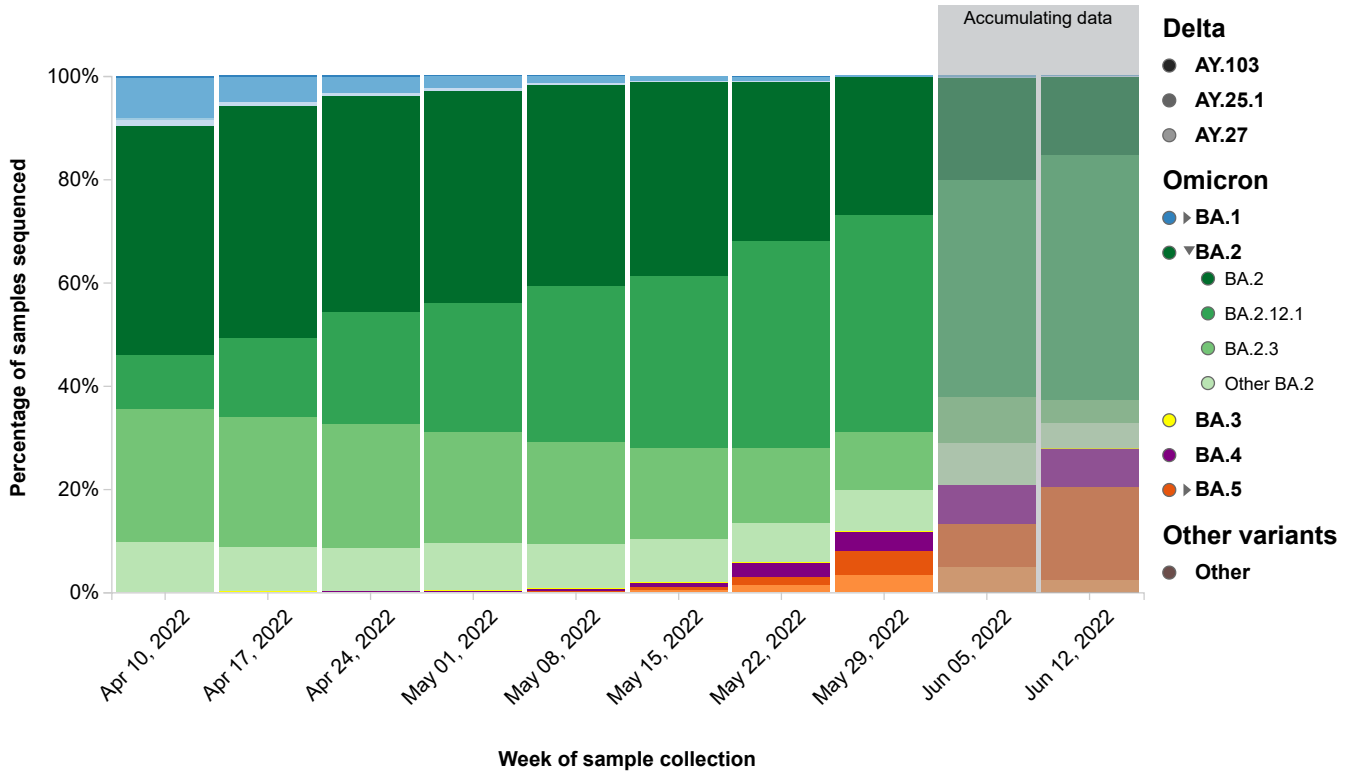
Current variants of concern in Canada include:

- Alpha (B.1.1.7)
- Beta (B.1.351)
- Gamma (P.1)
- Delta (B.1.617.2)
- Omicron (B.1.1.529)

New variants will continue to appear. We must remain vigilant and take all available measures to limit spread.

Figure 2. Weekly variant breakdown Updated: June 30, 2022, 4 pm EDT

i The graphic shows the percentage mix of COVID-19 variants detected in Canada through whole genome sequencing, by week of sample collection. You can see the numbers for each date by hovering over, tabbing to, or long-pressing any of the bars. To see a specific variant or variant grouping, click or press return. Repeat to restore the complete graph. Sublineages or offshoots for some variants can be revealed or hidden by clicking on the name of the variant in the legend.



This information is based on whole genome sequencing from surveillance testing in all provinces and territories. In addition to sequencing done by the National Microbiology Laboratory in Winnipeg, data is included from provincial and territorial laboratories.

Sequencing takes from 1 to 3 weeks to complete, so the proportions for recent weeks may change as more data are added. Surveillance in each province or territory is organized and prioritized according to local needs and may change from time to time. Because of differences in local sampling and reporting, the percentages illustrate trends rather than precise measurements.

Weekly variant breakdown

Percentage of COVID-19 cases identified through whole genome sequencing, presented by variant and by week of sample collection.

Variant Grouping	Apr 10, 2022 (n=4,565)	Apr 17, 2022 (n=4,903)	Apr 24, 2022 (n=4,875)	May 01, 2022 (n=4,154)	May 08, 2022 (n=4,120)	May 15, 2022 (n=3,675)	May 22, 2022 (n=3,310)	May 29, 2022 (n=2,927)	Jun 05, 2022 (n=2,169)	Jun 2022 (n=1
Delta	-	0.0%	0.0%	-	-	-	-	-	-	-
AY.103	-	0.0%	-	-	-	-	-	-	-	-
AY.25.1	-	-	0.0%	-	-	-	-	-	-	-
AY.27	-	-	0.0%	-	-	-	-	-	-	-
Omicron	100.0%	100.0%	100.0%	100.1%	100.1%	100.0%	100.0%	99.9%	100.0%	100
BA.1	9.6%	5.7%	3.9%	2.9%	1.7%	1.1%	1.1%	0.2%	0.4%	0.2%
BA.1	0.3%	0.2%	0.2%	0.1%	0.1%	-	0.1%	0.0%	-	-
BA.1.1	7.9%	4.7%	3.1%	2.2%	1.3%	0.9%	0.8%	0.2%	0.2%	0.1%
BA.1.17.2	0.2%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	-	0.1%	-
Other BA.1	1.2%	0.7%	0.5%	0.5%	0.2%	0.1%	0.1%	0.0%	0.1%	0.1%
BA.2	90.3%	94.1%	95.9%	96.8%	97.6%	97.0%	93.0%	87.9%	78.7%	71.9%
BA.2	44.4%	45.0%	41.9%	41.2%	39.1%	37.6%	30.9%	26.7%	19.6%	15.2%
BA.2.12.1	10.4%	15.4%	21.6%	24.9%	30.2%	33.3%	39.9%	42.0%	42.2%	47.4%
BA.2.3	25.9%	25.1%	24.1%	21.5%	19.6%	17.6%	14.6%	11.3%	8.9%	4.5%
Other BA.2	9.6%	8.6%	8.3%	9.2%	8.7%	8.5%	7.6%	7.9%	8.0%	4.8%
BA.3	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.1%	0.2%	0.1%	0.2%
BA.4	-	0.1%	0.1%	0.2%	0.5%	0.8%	2.8%	3.7%	7.5%	7.4%
BA.5	0.0%	0.0%	0.0%	0.1%	0.2%	1.0%	3.0%	7.9%	13.3%	20.4%
BA.5	0.0%	0.0%	0.0%	0.0%	0.1%	0.5%	1.5%	4.5%	8.5%	18.0%
BA.5.1	-	-	-	0.1%	0.1%	0.5%	1.5%	3.4%	4.8%	2.4%
Other variants	0.0%	-	0.1%	0.0%	-	0.0%	-	0.1%	-	-
Other	0.0%	-	0.1%	0.0%	-	0.0%	-	0.1%	-	-

Note: The shaded columns on the right represent a period of accumulating data.

Contributing laboratories:

- Saskatchewan - Roy Romanow Provincial Laboratory (RRPL)
- Public Health Ontario (PHO)
- Nova Scotia Health Authority
- Newfoundland and Labrador - Eastern Health
- New Brunswick - Vitalité Health Network
- Manitoba Cadham Provincial Laboratory
- Laboratoire de santé publique du Québec (LSPQ)
- BCCDC Public Health Laboratory
- Alberta Precision Labs (APL)
- National Microbiology Laboratory (NML) - supplemental sequencing for all provinces and territories

Detailed case information

The tables and figures below reflect detailed case information provided to the Public Health Agency of Canada (PHAC) by health authorities in the provinces and territories. This data is updated every week. It may change as we get more information about cases.

Updated: July 4, 2022, 8 am EST

Epidemic curve

As of July 4, 2022, 8 am EST, PHAC has received detailed case report data on 3,774,964 cases.

The shaded area on the far right of Figure 3 represents a period of accumulating data. This is the period of time (1 to 2 weeks) before the latest cases are reported to PHAC. This delay is a result of the time required to seek health care, get tested and receive results. It also takes time for public health authorities to gather information on cases. We update this information as it becomes available.

Figure 3. COVID-19 cases (n=3,754,040¹) in Canada by date² as of July 4, 2022, 8 am EST (total cases)

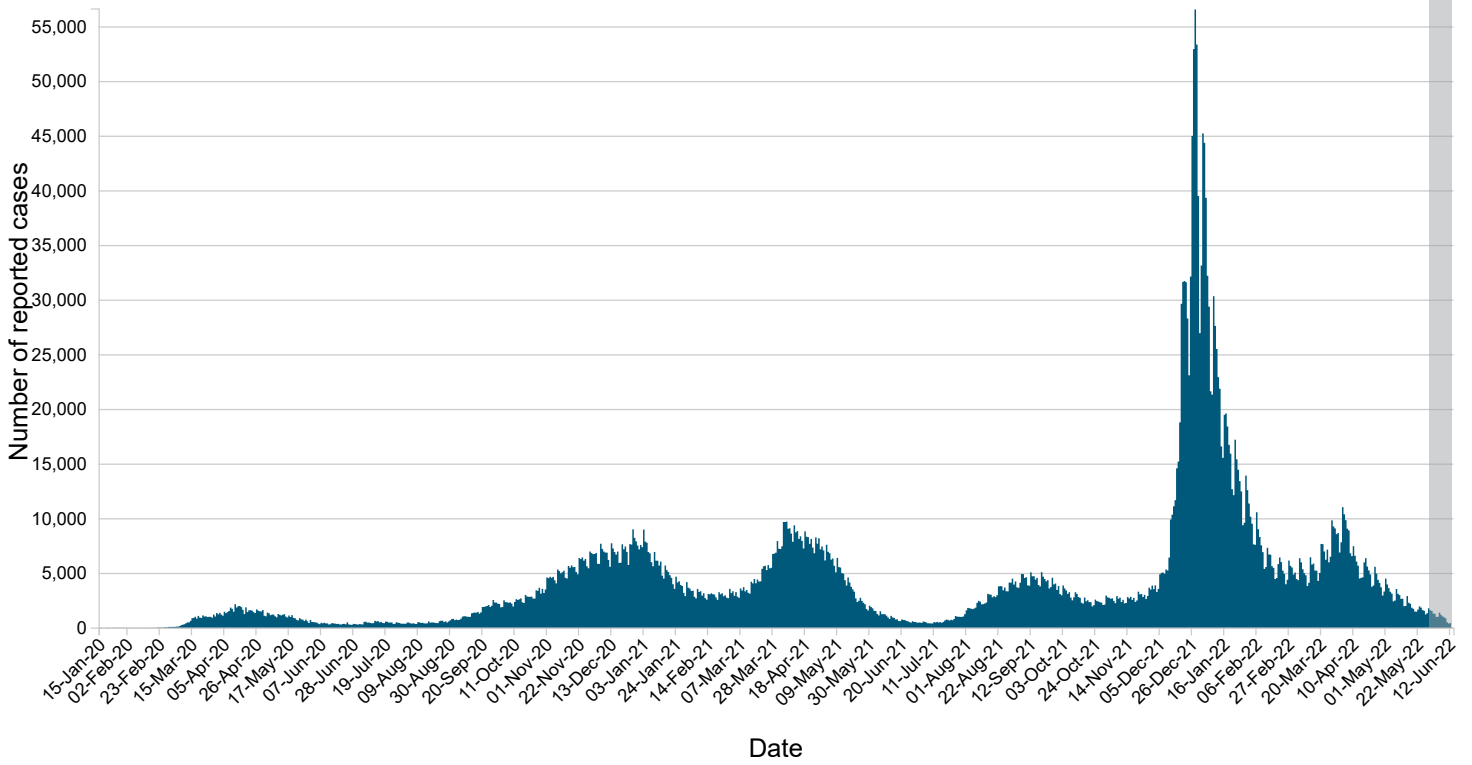


Figure 3. COVID-19 cases (n=3,774,052 ¹) in Canada by date ² as of July 4, 2022, 8 am EST (by age - 10 year groups)

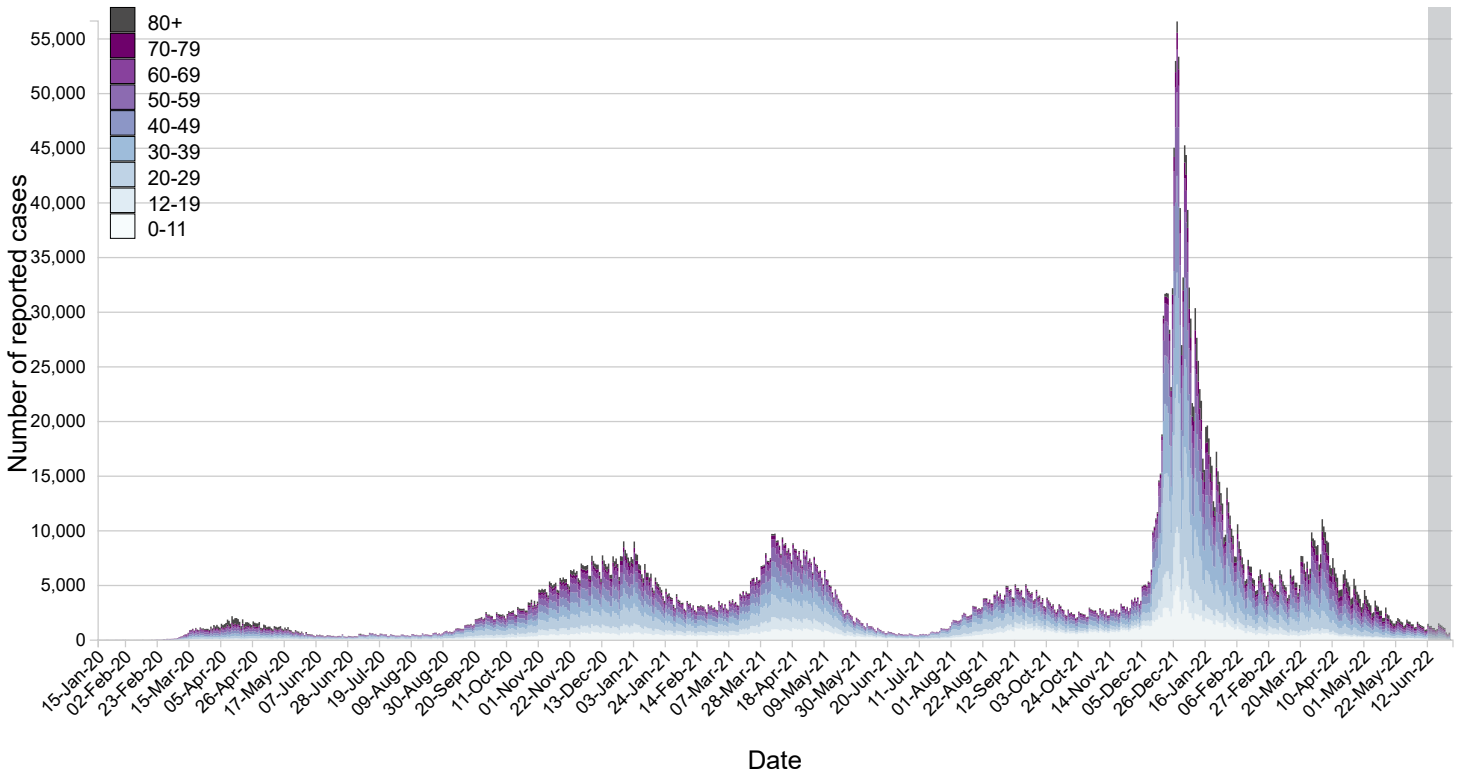
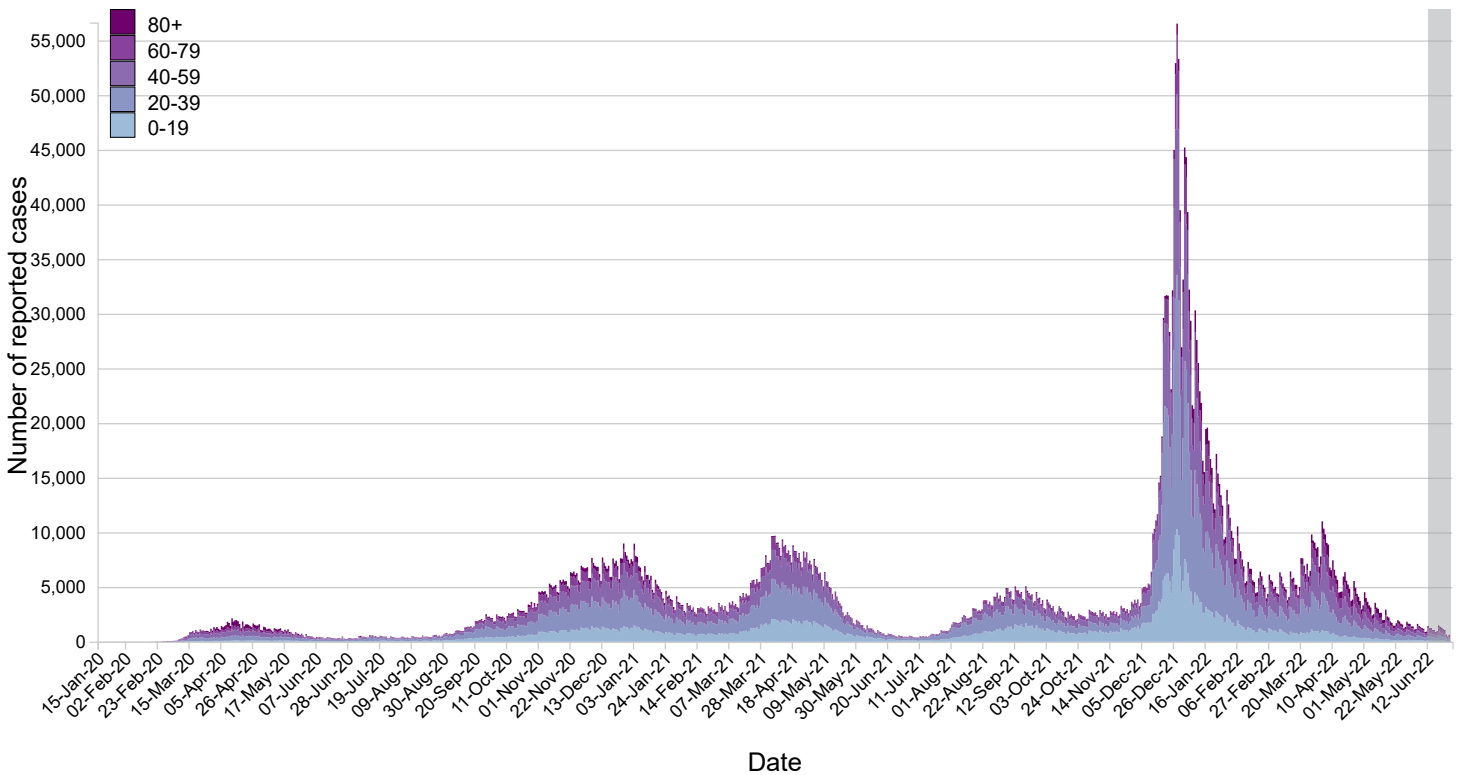


Figure 3. COVID-19 cases (n=3,774,052 ¹) in Canada by date ² as of July 4, 2022, 8 am EST (by age - 20 year groups)

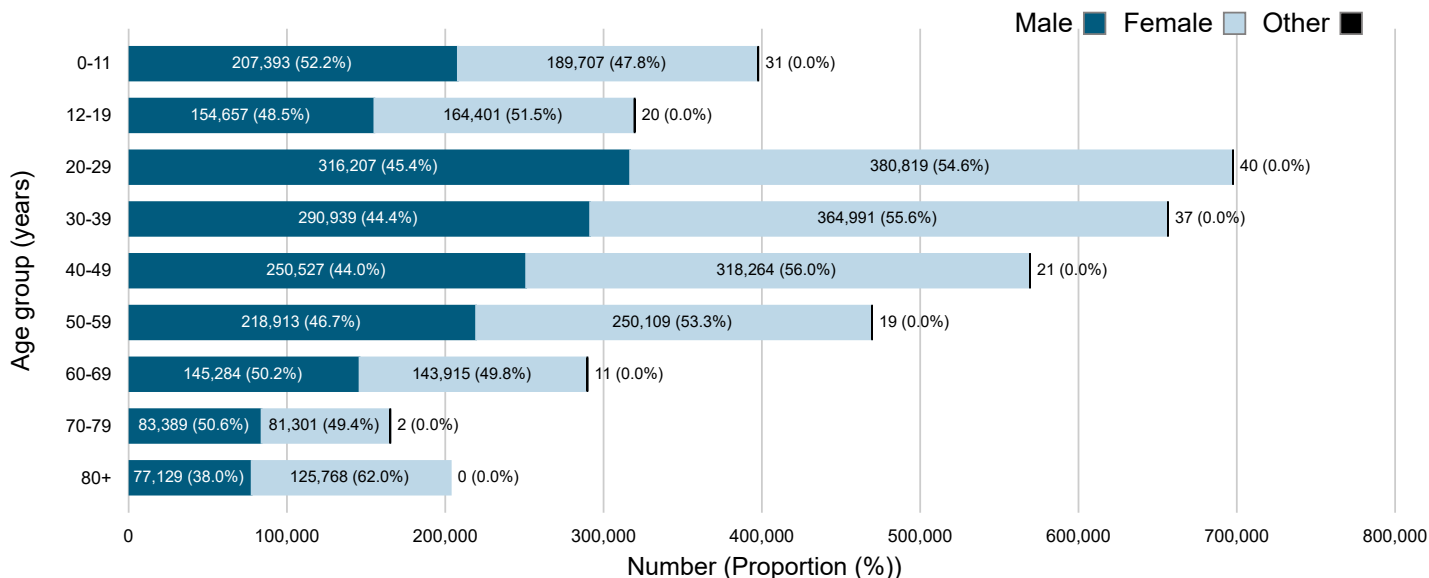
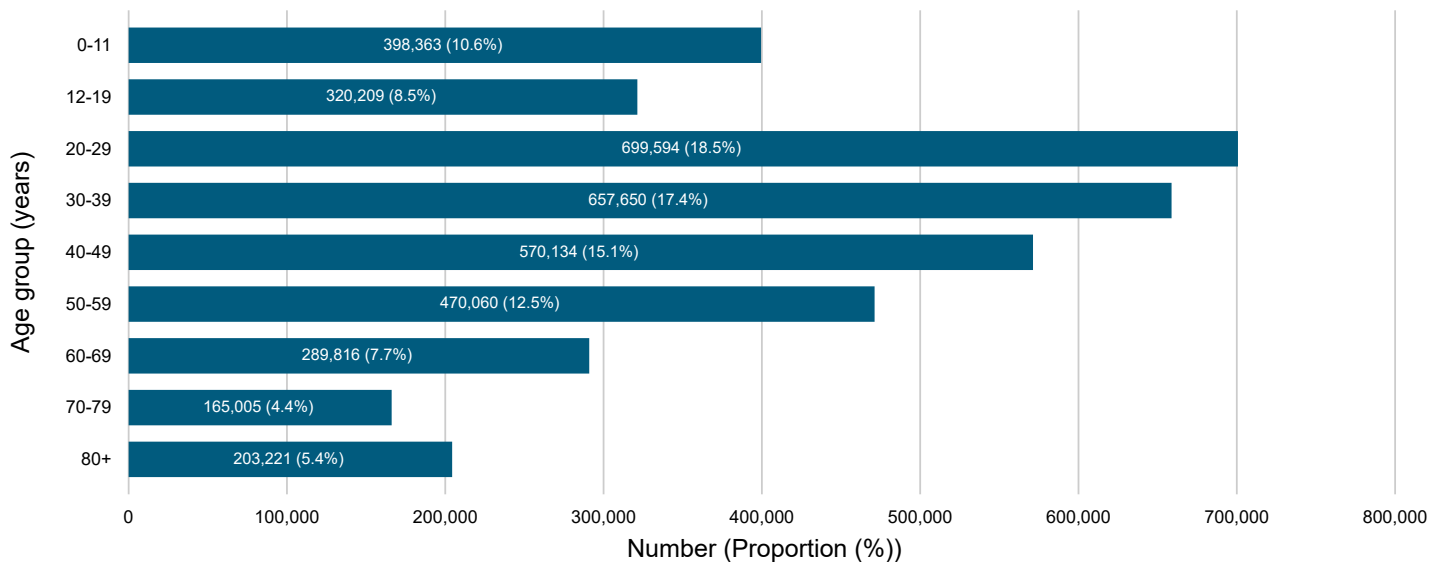


Demographics

We have detailed case report data from 3,774,964 cases. We know the age of patients in 99.98% of cases, and both age and gender in 99.71% of cases.

Of the cases reported in Canada so far, 53.7% were female and 36.0% were between 20 and 39 years old (Figure 4).

Figure 4. distribution of COVID-19 cases (n=3,774,052 ¹) in Canada as of July 4, 2022, 8 am EST ³



Age by gender ³ distribution of COVID-19 cases (n=3,774,052 ¹) in Canada, July 4, 2022, 8 am EST

Age group (years)	Number of cases with case reports (percentage)	Number of male cases (percentage)	Number of female cases (percentage)	Number of other cases (percentage)
0-11	398,363 (10.6%)	207,393 (11.9%)	189,707 (9.4%)	31 (17.1%)
12-19	320,209 (8.5%)	154,657 (8.9%)	164,401 (8.1%)	20 (11.0%)
20-29	699,594 (18.5%)	316,207 (18.1%)	380,819 (18.9%)	40 (22.1%)
30-39	657,650 (17.4%)	290,939 (16.7%)	364,991 (18.1%)	37 (20.4%)
40-49	570,134 (15.1%)	250,527 (14.4%)	318,264 (15.8%)	21 (11.6%)
50-59	470,060 (12.5%)	218,913 (12.5%)	250,109 (12.4%)	19 (10.5%)
60-69	289,816 (7.7%)	145,284 (8.3%)	143,915 (7.1%)	11 (6.1%)
70-79	165,005 (4.4%)	83,389 (4.8%)	81,301 (4.0%)	2 (1.1%)
80+	203,221 (5.4%)	77,129 (4.4%)	125,768 (6.2%)	0 (0.0%)
Total	3,774,052 (100%)	1,744,438 (100%)	2,019,275 (100%)	181 (100%)

Cases following vaccination

Data extracted on June 30, 2022 for cases between December 14, 2020 and June 12, 2022.

i Changes to update schedule

We've adjusted our update schedule to reflect changes in how often this data is reported to us.

- “Cases following vaccination rate ratio indicators” are updated every 4 weeks.
- “Case counts” and “distributions of cases following vaccination” are updated weekly.

While COVID-19 vaccines are highly effective at preventing severe outcomes such as hospitalization and death, vaccinated people can still get infected if exposed. This means that even with high vaccine effectiveness, some vaccinated people will get sick, be hospitalized or die.

Most people in Canada have been vaccinated. Because they're a larger group, there will naturally be more cases among vaccinated people than among unvaccinated people. However, despite their higher case counts, **vaccinated people are less likely to get very sick or die.**

Case counts underestimate the total number of COVID-19 cases because a rapid increase in cases starting in December 2021 led to changes in COVID-19 testing policies and delays in data entry.

Case counts are likely to over-represent people at risk of severe disease, because they have been prioritized for testing. Data should be interpreted with caution.

Cases reported since the start of the vaccination campaign, as of June 12, 2022

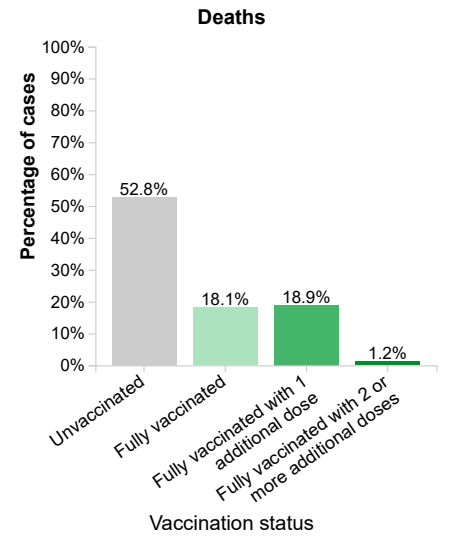
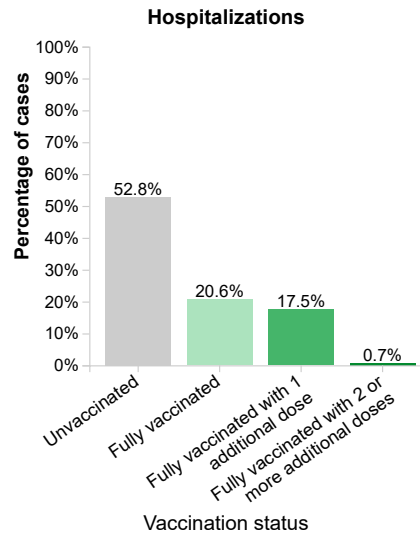
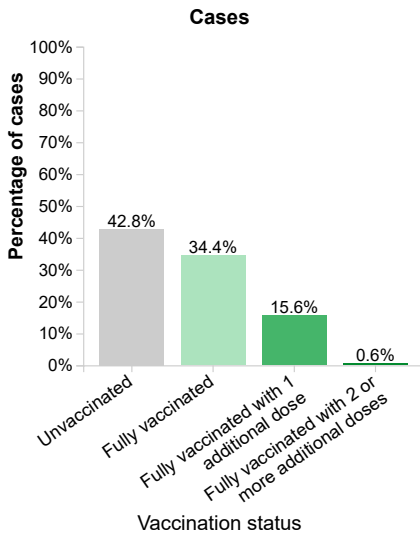
Since the start of the vaccination campaign on December 14, 2020, PHAC received case-level vaccine history data for 74.3% (n=2,267,296) of COVID-19 cases aged 5 years or older.

Of these cases:

- 969,484 (42.8%) were unvaccinated
- 780,941 (34.4%) were fully vaccinated
- 353,930 (15.6%) were fully vaccinated with 1 additional dose
- 13,157 (0.6%) were fully vaccinated with 2 or more additional doses

For definitions of the different vaccine statuses, please refer to the [Technical notes and definitions section](#).

Figure 5. Distribution of confirmed COVID-19 cases reported to PHAC by vaccination status as of June 12, 2022



Characteristics and severe outcomes associated unvaccinated, partially vaccinated and fully vaccinated confirmed cases reported to PHAC, as of June 12, 2022

Status	Cases	Hospitalizations	Deaths
Unvaccinated	42.8%	52.8%	52.8%
Fully vaccinated	34.4%	20.6%	18.1%
Fully vaccinated with 1 additional dose	15.6%	17.5%	18.9%
Fully vaccinated with 2 or more additional doses	0.6%	0.7%	1.2%

Among the twelve jurisdictions that have reported case-level vaccine history data to PHAC, a total of 25.1 million people have received at least one dose of the COVID-19 vaccine as of June 12, 2022.

Cases following vaccination were more common among older adults and females (Table 2). This may be due to:

- higher risk of disease among older adults and pregnant people
- longer life expectancy among females, which means more women move into older age groups with a higher risk of disease

Older adults have been prioritized for second booster doses. As a result, older people make up a large proportion of people who have been fully vaccinated with 2 or more additional doses. For the same reason, they also make up a large proportion of cases in that group.

Table 2. Characteristics of confirmed cases by vaccination status, as of June 12, 2022

		Unvaccinated (n=969,484)	Fully vaccinated (n=780,941)	Fully vaccinated with 1 additional dose (n=353,930)	Fully vaccinated with 2 or more additional doses (n=13,157)	Total cases [†] (n=2,267,296)
Gender*	Male	492,516 (47.1%)	343,923 (32.9%)	130,131 (12.5%)	5,229 (0.5%)	1,045,128 (100.0%)
	Female	472,976 (38.9%)	434,913 (35.8%)	222,906 (18.3%)	7,898 (0.7%)	1,214,880 (100.0%)
Age group	5-11	122,495 (75.9%)	7,040 (4.4%)	0 (0.0%)	0 (0.0%)	161,302 (100.0%)
	12-17	71,467 (53.2%)	54,979 (41.0%)	1,808 (1.4%)	5 (0.0%)	134,238 (100.0%)
	18-39	410,219 (44.3%)	367,159 (39.7%)	101,657 (11.0%)	390 (0.0%)	925,841 (100.0%)

		Unvaccinated (n=969,484)	Fully vaccinated (n=780,941)	Fully vaccinated with 1 additional dose (n=353,930)	Fully vaccinated with 2 or more additional doses (n=13,157)	Total cases† (n=2,267,296)
	40-59	243,266 (37.9%)	243,713 (37.9%)	118,496 (18.4%)	1,215 (0.2%)	642,495 (100.0%)
	60-79	97,442 (34.0%)	85,632 (29.9%)	76,762 (26.8%)	4,311 (1.5%)	286,728 (100.0%)
	80+	24,595 (21.1%)	22,418 (19.2%)	55,207 (47.3%)	7,236 (6.2%)	116,692 (100.0%)

Source: Detailed case information received by PHAC from provinces and territories, since December 14, 2020 (see data notes in the [Technical notes and definitions section](#))

Fully vaccinated people diagnosed with COVID-19 were significantly less likely to be hospitalized or to die, particularly if they received an additional dose(s).

Between May 09, 2022 and June 05, 2022, unvaccinated cases were 4 times more likely to be hospitalized and 5 times more likely to die from their illness, compared to fully vaccinated cases. During the same 4-week period, unvaccinated cases were 4 times more likely to be hospitalized and 6 times more likely to die from their illness, compared to cases fully vaccinated with 1 or more additional doses ([see data notes in Technical notes and definitions section](#)).

Technical notes and definitions

Data for this analysis comes from the COVID-19 national data set, which contains detailed case-level information received by PHAC from all provinces and territories.

- 12 of 13 provinces and territories have reported case-level vaccine history data to PHAC as part of the national COVID-19 dataset.
- 11 of these provinces and territories reported data on cases fully vaccinated with 1 additional dose. 6 of the 12 provinces and territories reported data on cases fully vaccinated with 2 or more additional doses. In provinces and territories that have not yet reported additional dose data, cases are classified as fully vaccinated if they are either fully vaccinated or fully vaccinated with 1 or more additional doses.
- We used a data cut-off of June 12, 2022 to account for routine reporting delays associated with vaccine history information.
- Data presented here on cases fully vaccinated with 1 or more additional dose(s) are limited to individuals aged 12 years or older. Eligibility for booster dose programs varies across provinces and territories.
- *When available, we used gender data. If unavailable, we used sex data. We excluded cases with missing gender and sex data from the gender analysis. Reliable data on gender diverse respondents

are unavailable due to small counts.

- †Counts of cases by vaccine status may not add up to total counts, as data on cases not yet protected and partially vaccinated cases are not presented here.

- Rate ratios are age-standardized using July 2021 Canadian population estimates.
- For analyses of rate ratios, cases are classified as fully vaccinated with one or more additional dose(s) if they have received at least 1 additional dose following the receipt of a primary series (fully vaccinated).
- Rate ratio calculations were based on data from 11 provinces and territories that have reported complete case-level vaccine history data to PHAC during the 4-week period of analysis.

Episode date: Refers to symptom onset date. When symptom onset date is unavailable or the case is asymptomatic, episode date refers to either:

- laboratory specimen collection date, or
- laboratory testing date

PHAC monitors cases following vaccination using the following categories:

Unvaccinated cases: those who were unvaccinated at the time of their episode date.

Cases not yet protected from vaccination: those whose episode date occurred less than 14 days after their first dose of the vaccine.

Partially vaccinated cases: those whose episode date occurred:

- 14 days or more after their first vaccine dose in a 2-dose series, or
- less than 14 days after their second dose of the vaccine.

Fully vaccinated cases: those whose episode date occurred:

- 14 days or more after receipt of a second dose in a 2-dose series, or
- 14 days or more after receipt of one dose of a 1-dose vaccine series, and
- if an additional (for example, third dose or booster) dose was received, 0 to <14 days after receipt of the additional dose.

Fully vaccinated cases with 1 or more additional dose(s): those whose episode date occurred 14 days or more following the receipt of at least 1 additional dose (for example, third dose or booster) of a COVID-19 vaccine product, after being fully vaccinated.

- Data on counts and distributions are further categorized into 2 groups:
 - **Fully vaccinated with 1 additional dose cases:** those whose episode date occurred 14 days or more following receipt of 1 additional dose (for example, third dose or first booster) of a COVID-19 vaccine product and, if a second additional dose was received, 0 to <14 days after receipt of that dose

- **Fully vaccinated with 2 or more additional doses cases:** those whose episode date occurred 14 days or more following receipt of at least two additional doses (for example, fourth dose or second booster)

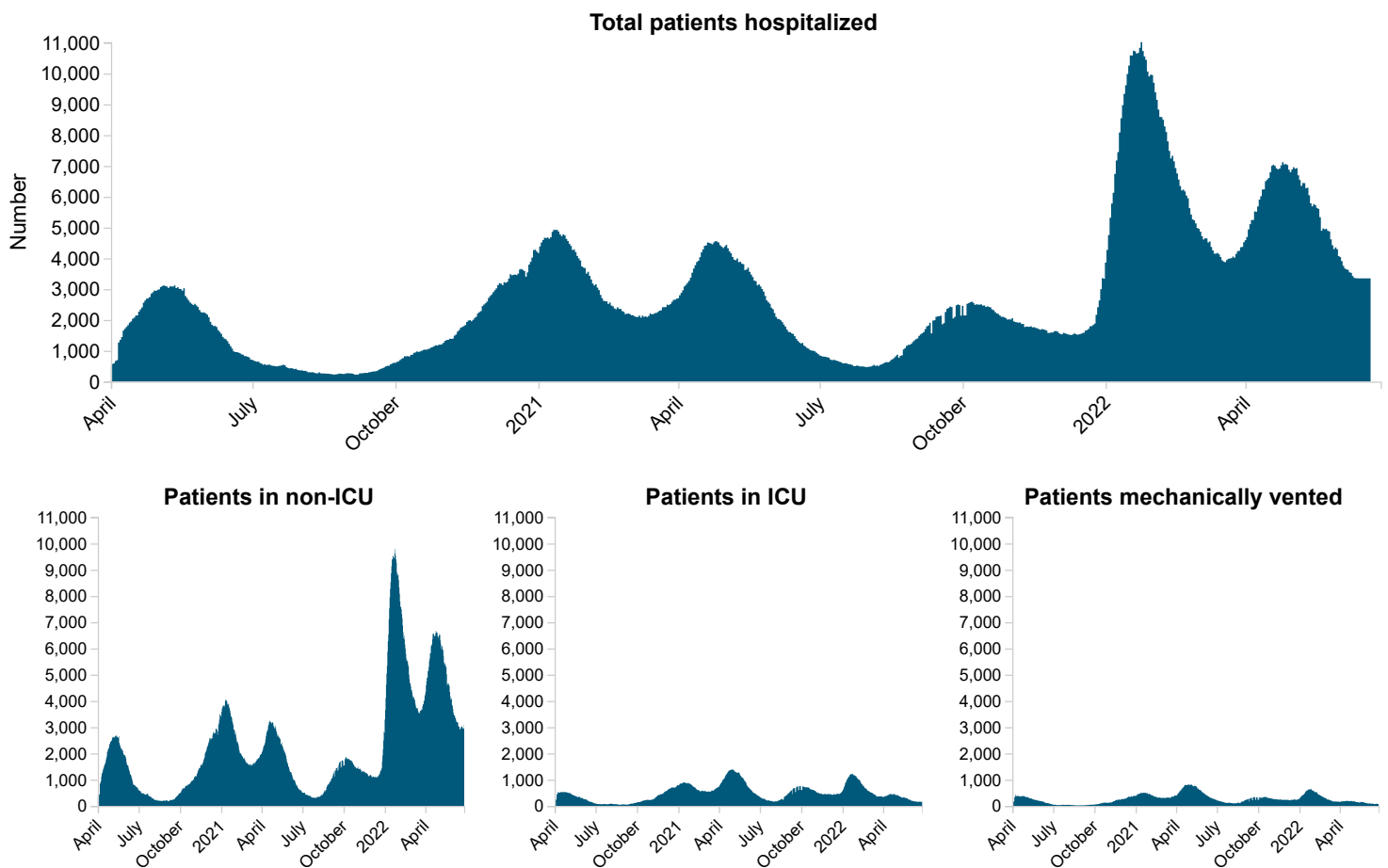
COVID-19 vaccine product: vaccines that have been:

- authorized by Health Canada or
- accepted by the Government of Canada for the purpose of travel to and within Canada

Severe illness and outcomes

Hospital use

Figure 6. Daily number of hospital beds and ICU beds occupied by COVID-19 patients as of June 27, 2022



Between June 20, 2022 and June 27, 2022:

- the total number of **hospital beds** occupied by COVID-19 patients **decreased** from **3,350** to **0** beds.
- the number of **non-ICU beds** occupied by COVID-19 patients **increased** from **3,000** to **3,092** beds.
- the number of **ICU beds** occupied by COVID-19 patients **decreased** from **166** to **164** beds.
- the number of **COVID-19 patients who were mechanically vented** **decreased** from **78** to **70**.

Hospitalizations and deaths to date

We have detailed case report data on 3,774,964 cases, and hospitalization status for 3,712,710 (98.4%) of them:

- **166,213 cases (4.5%)** were hospitalized, of whom:
 - **27,494 (16.5%)** were admitted to the ICU

The provinces and territories provided detailed case report forms for **42,117 deaths** related to COVID-19.

Figure 7a. Age and gender³ distribution of COVID-19 cases hospitalized in Canada as of July 4, 2022, 8 am EST (n=166,029¹)

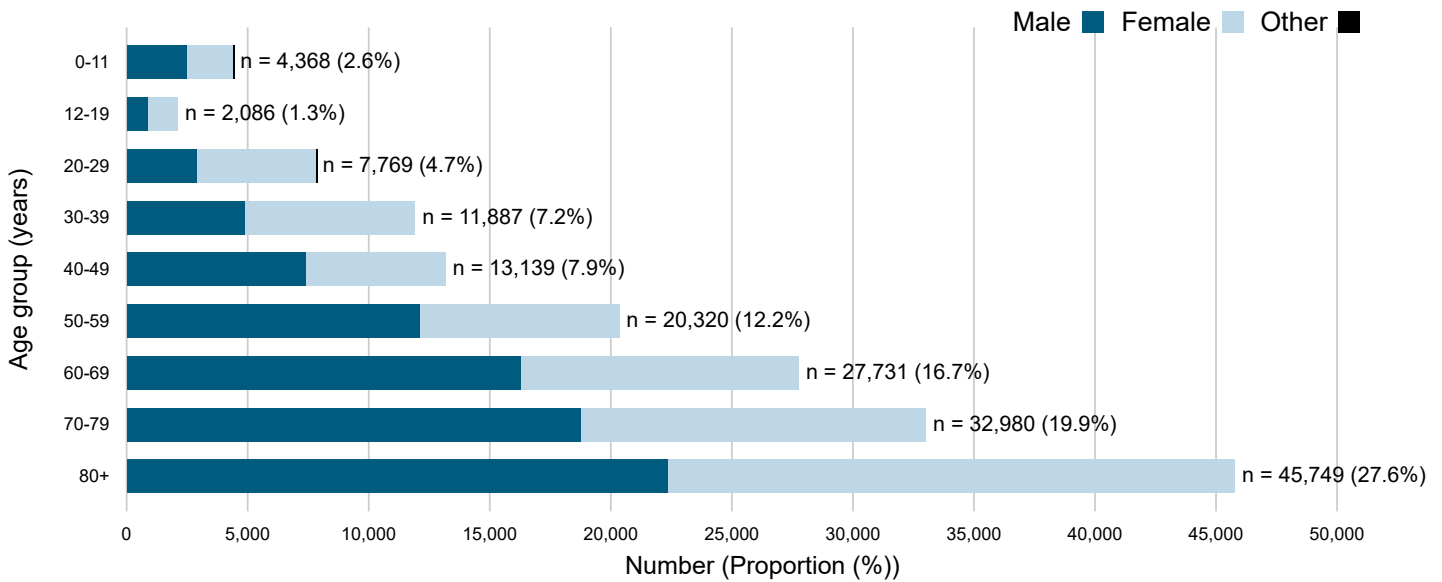


Figure 7b. Age and gender³ distribution of COVID-19 cases admitted to ICU in Canada as of July 4, 2022, 8 am EST (n=27,457¹)

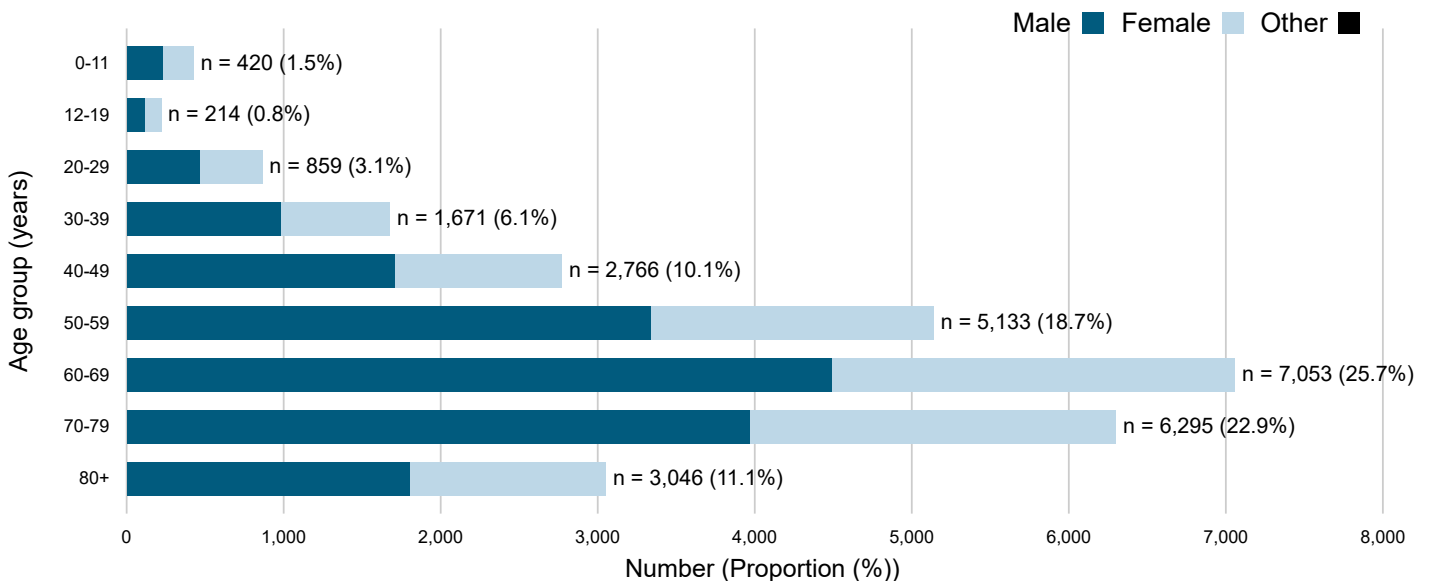
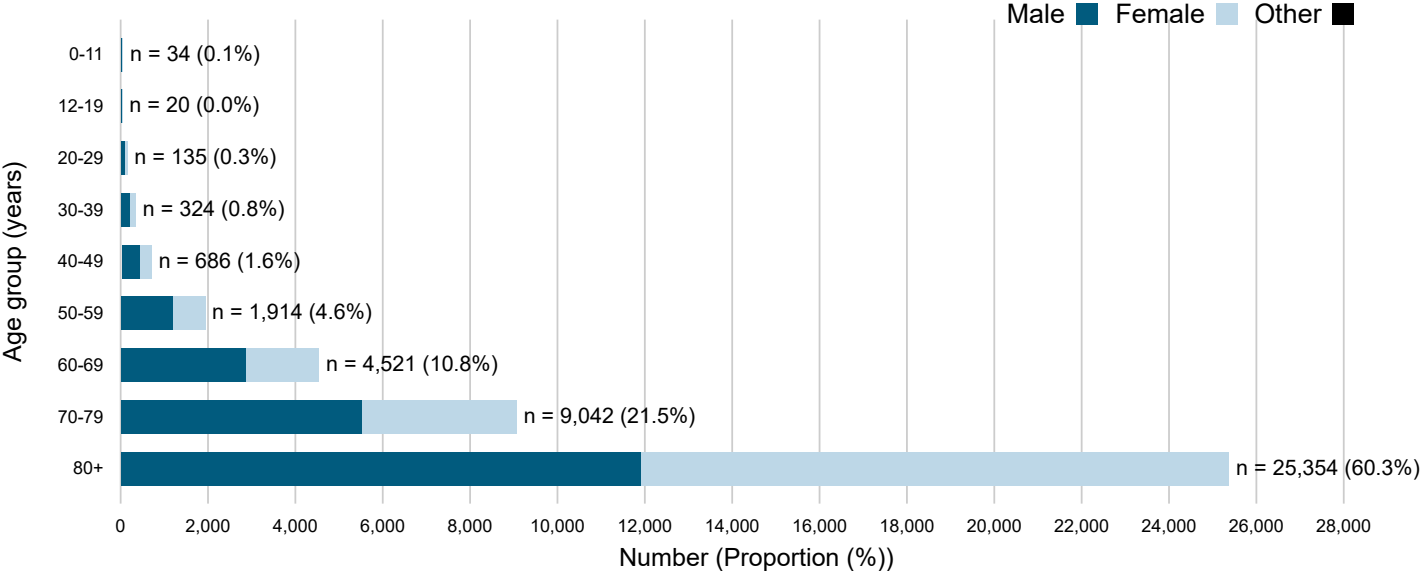


Figure 7c. Age and gender ³ distribution of COVID-19 cases deceased in Canada as of July 4, 2022, 8 am EST (n=42,030 ¹)



Data note: Figure 7 includes COVID-19 cases hospitalized, admitted to ICU, and deceased for which age and gender information were available. Therefore, some COVID-19 hospitalizations, ICU admissions, and deaths may not be included in Figure 7.

Age and gender ⁴ distribution of COVID-19 cases hospitalized in Canada as of July 4, 2022, 8 am EST (n=166,029 ¹)

Age group (years)	Number of cases with case reports (percentage)	Number of male cases (percentage)	Number of female cases (percentage)	Number of other cases (percentage)
0-11	4,368 (2.6%)	2,448 (1.5%)	1,919 (1.2%)	1 (0.0%)
12-19	2,086 (1.3%)	883 (0.5%)	1,203 (0.7%)	0 (0.0%)
20-29	7,769 (4.7%)	2,885 (1.7%)	4,883 (2.9%)	1 (0.0%)
30-39	11,887 (7.2%)	4,879 (2.9%)	7,008 (4.2%)	0 (0.0%)
40-49	13,139 (7.9%)	7,380 (4.4%)	5,759 (3.5%)	0 (0.0%)
50-59	20,320 (12.2%)	12,086 (7.3%)	8,234 (5.0%)	0 (0.0%)
60-69	27,731 (16.7%)	16,257 (9.8%)	11,474 (6.9%)	0 (0.0%)
70-79	32,980 (19.9%)	18,734 (11.3%)	14,246 (8.6%)	0 (0.0%)
80+	45,749 (27.6%)	22,339 (13.5%)	23,410 (14.1%)	0 (0.0%)

Age and gender ⁴ distribution of COVID-19 cases admitted to ICU in Canada as of July 4, 2022, 8 am EST (n=27,457 ¹)

Age group (years)	Number of cases with case reports (percentage)	Number of male cases (percentage)	Number of female cases (percentage)	Number of other cases (percentage)
0-11	420 (1.5%)	227 (0.8%)	193 (0.7%)	0 (0.0%)
12-19	214 (0.8%)	111 (0.4%)	103 (0.4%)	0 (0.0%)
20-29	859 (3.1%)	463 (1.7%)	396 (1.4%)	0 (0.0%)
30-39	1,671 (6.1%)	977 (3.6%)	694 (2.5%)	0 (0.0%)
40-49	2,766 (10.1%)	1,706 (6.2%)	1,060 (3.9%)	0 (0.0%)
50-59	5,133 (18.7%)	3,334 (12.1%)	1,799 (6.6%)	0 (0.0%)
60-69	7,053 (25.7%)	4,492 (16.4%)	2,561 (9.3%)	0 (0.0%)
70-79	6,295 (22.9%)	3,969 (14.5%)	2,326 (8.5%)	0 (0.0%)
80+	3,046 (11.1%)	1,798 (6.5%)	1,248 (4.5%)	0 (0.0%)

Age and gender⁴ distribution of COVID-19 cases deceased in Canada as of July 4, 2022, 8 am EST (n=42,030¹)

Age group (years)	Number of cases with case reports (percentage)	Number of male cases (percentage)	Number of female cases (percentage)	Number of other cases (percentage)
0-11	34 (0.1%)	15 (0.0%)	19 (0.0%)	0 (0.0%)
12-19	20 (0.0%)	9 (0.0%)	11 (0.0%)	0 (0.0%)
20-29	135 (0.3%)	83 (0.2%)	52 (0.1%)	0 (0.0%)
30-39	324 (0.8%)	200 (0.5%)	124 (0.3%)	0 (0.0%)
40-49	686 (1.6%)	434 (1.0%)	252 (0.6%)	0 (0.0%)
50-59	1,914 (4.6%)	1,178 (2.8%)	736 (1.8%)	0 (0.0%)
60-69	4,521 (10.8%)	2,870 (6.8%)	1,651 (3.9%)	0 (0.0%)
70-79	9,042 (21.5%)	5,501 (13.1%)	3,541 (8.4%)	0 (0.0%)
80+	25,354 (60.3%)	11,894 (28.3%)	13,460 (32.0%)	0 (0.00%)

Provincial, territorial and international reporting

For more information, please refer to provincial or territorial COVID-19 webpages:

- [British Columbia](#)
- [Alberta](#)
- [Saskatchewan](#)
- [Manitoba](#)
- [Ontario](#)
- [Quebec](#)
- [Newfoundland and Labrador](#)
- [New Brunswick](#)
- [Nova Scotia](#)
- [Prince Edward Island](#)
- [Yukon](#)
- [Northwest Territories](#)
- [Nunavut](#)
- [World Health Organization](#)
- [Centers for Disease Control and Prevention](#)
- [European Centre for Disease Control and Prevention](#)

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- 1 This figure is based on cases for which a case report form was received by the Public Health Agency of Canada from provincial or territorial partners.
 - 2 The shaded area represents a period of accumulating data where it is expected that cases have occurred but have not yet been reported nationally. The earliest of the following dates were used as an estimate: Onset date, Specimen Collection Date, Laboratory Testing Date, Date Reported to Province or Territory, or Date Reported to PHAC.
 - 3 Where available, gender data was used; when gender data was unavailable, sex data was used. Reliable data on gender diverse respondents are unavailable due to small counts.
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2022-07-04