



# COVID-19 daily epidemiology update

Updated: April 28, 2021, 7 pm EST

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

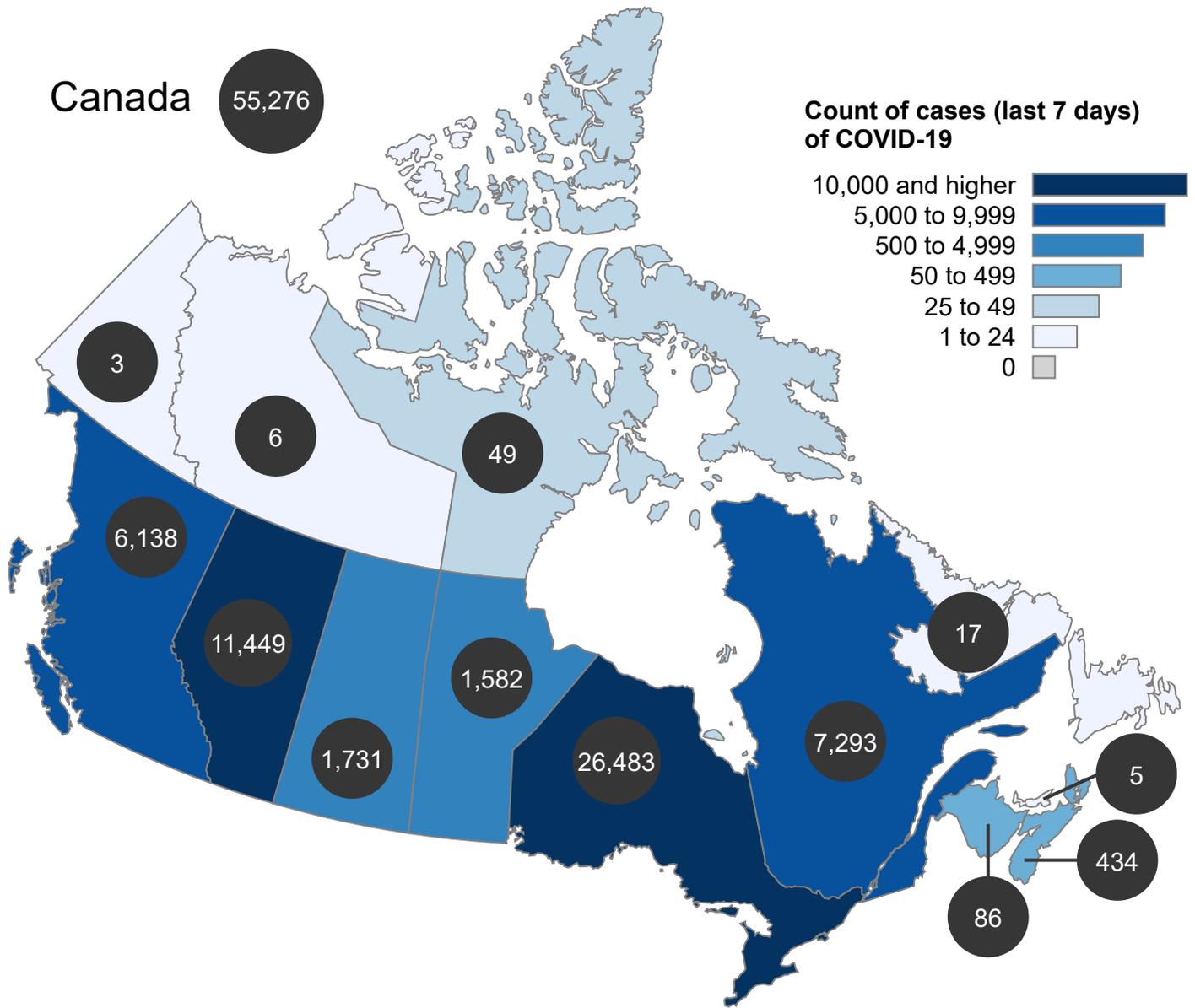
## Key updates as of April 28, 2021, 7 pm EST

Cases today	Total cases	Active cases	Total resolved	Deaths today	Total deaths
<b>7,751</b>	<b>1,202,737</b>	<b>83,354</b>	<b>1,095,266</b>	<b>54</b>	<b>24,117</b>
Tests performed today	Total tests performed	Percent positive (total)	Tests performed per million population		
<b>108,834</b>	<b>31,173,221</b>	<b>4.0%</b>	<b>820,235</b>		

- We update these sections daily at 7:00 PM EST: Key updates, Current situation and National overview.
- We update these sections every Friday: Epidemic curve, Demographics, How people were exposed, and Severe illness and outcomes.
- Most cases (66.8%) and deaths (78.4%) were reported by Ontario and Quebec.
- Of the 13 jurisdictions reporting updates, no new cases were reported in 2 provinces or territories in the past 24 hours.
- Of the 13 jurisdictions reporting updates, no new deaths were reported in 7 provinces or territories in the past 24 hours.

# Current situation

Figure 1a. **Count** of **cases (last 7 days)** of COVID-19, by **province/territory** as of April 28, 2021



The count of cases (last 7 days) of COVID-19 in **Canada** was **55,276** as of April 28, 2021.

This information is based on data from our provincial and territorial partners. It's current as of April 28, 2021, 7 pm EST. For the most up to date data for any province, territory or city, please visit their web site.

Areas in Canada with cases of COVID-19 as of April 28, 2021

Location	Total cases		Cases last 7 days		Active cases		Resolved††	Deaths		Deaths last 7 days		Total tests performed	
	Count	Rate*	Count	Rate*	Count	Rate*	Count	Count	Rate*	Count	Rate*	Count	Rate†
<b>Canada</b>	<b>1,202,737</b>	<b>3,165</b>	<b>55,276</b>	<b>145</b>	<b>83,354</b>	<b>219</b>	<b>1,095,266</b>	<b>24,117</b>	<b>63</b>	<b>350</b>	<b>1</b>	<b>31,173,221</b>	<b>820,235</b>
British Columbia	127,889	2,484	6,138	119	8,256	160	118,057	1,576	31	30	1	2,458,068	477,507
Alberta	186,679	4,222	11,449	259	20,938	474	163,668	2,073	47	21	0	4,087,512	924,384
Saskatchewan	40,614	3,446	1,731	147	2,443	207	37,685	486	41	17	1	757,668	642,810
Manitoba	38,211	2,770	1,582	115	2,206	160	35,034	971	70	10	1	669,192	485,181
Ontario	455,606	3,092	26,483	180	38,853	264	408,765	7,988	54	199	1	13,794,497	936,235
Quebec	347,690	4,055	7,293	85	9,948	116	326,834	10,908	127	70	1	8,165,807	952,328
Newfoundland and Labrador	1,066	204	17	3	31	6	1,029	6	1	0	0	240,741	461,099
New Brunswick	1,890	242	86	11	123	16	1,731	36	5	2	0	295,747	378,447
Nova Scotia	2,290	234	434	44	489	50	1,734	67	7	0	0	524,112	535,163
Prince Edward Island	179	112	5	3	11	7	168	0	0	0	0	141,161	884,329
Yukon	81	193	3	7	0	0	79	2	5	1	2	8,918	212,071
Northwest Territories	51	113	6	13	6	13	45	0	0	0	0	18,113	401,076
Nunavut	478	1,215	49	125	50	127	424	4	10	0	0	11,609	294,997

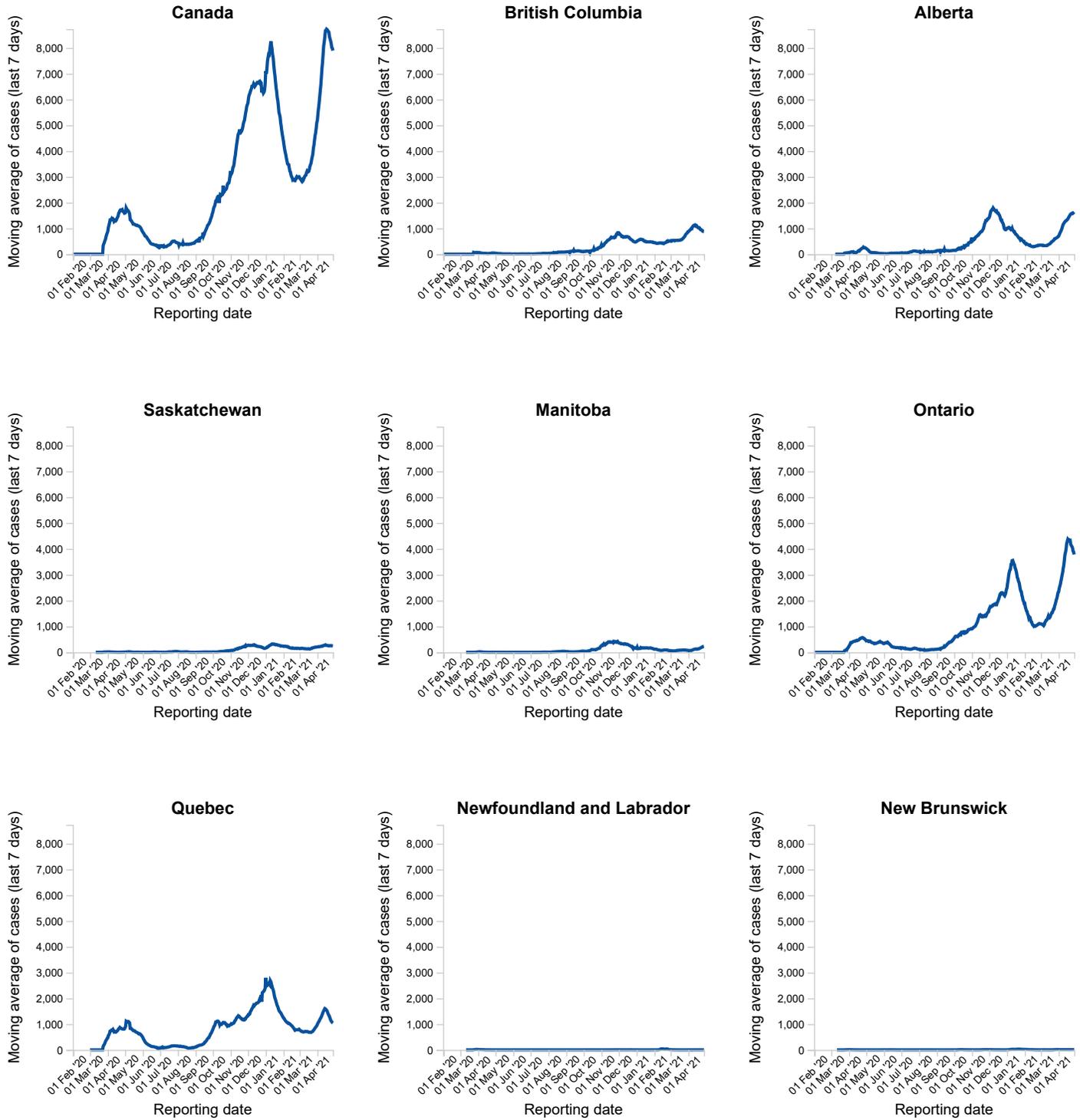
† Rate per 1,000,000 population

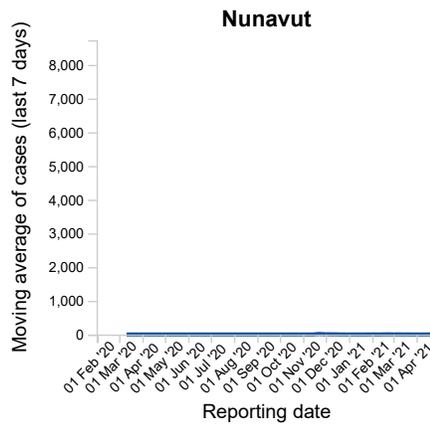
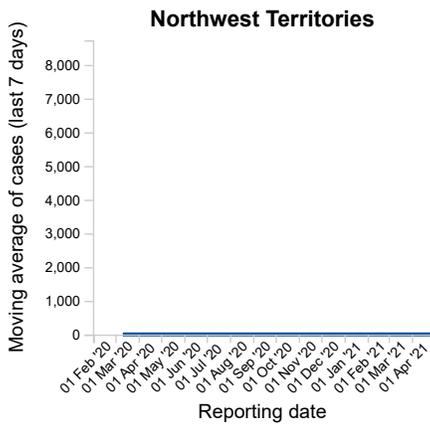
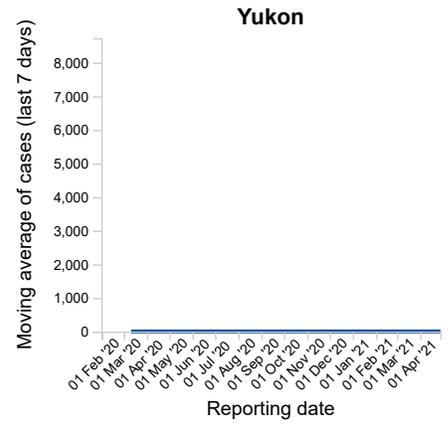
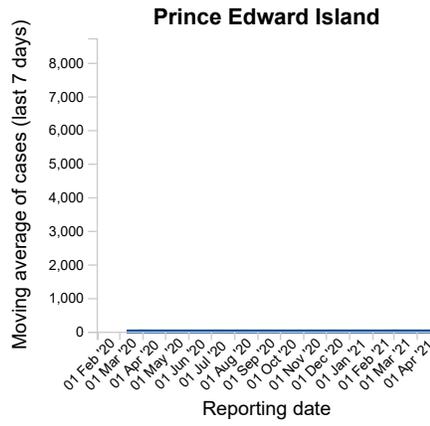
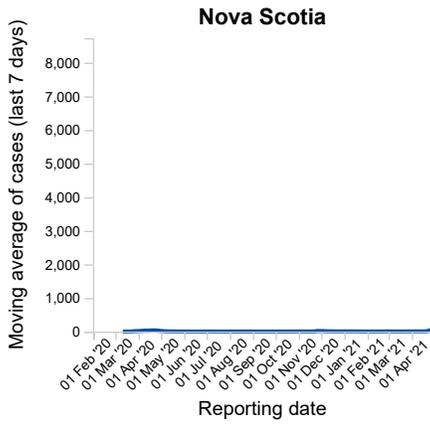
\* Rate per 100,000 population

†† Recovered refers to cases that are resolved. These are people who have molecular test proof to show they had a positive COVID-19 test taken between 14 to 90 days before travel.

# Figure 1b. of of COVID-19 in Canada as of April 28, 2021, 7 pm EST

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.





[Downloadable data \(in .csv format\).](#)

Note: Out of the total number of people tested, 76 were repatriated travellers, of which 13 were cases.

# National overview

There have been over **31,173,221** COVID-19 tests performed in Canada or **820,235 tests per 1 million people**. Of these, **4.0%** were positive. For information about testing trends, please see the [Detailed weekly epidemiological report \(PDF\)](#).

**Table 1. Daily\* change in the number of cases, deaths and tests performed, by province or territory, as of April 28, 2021, 7 pm EST**

Location	New cases	New deaths	Tests performed
<b>Canada</b>	<b>7,751</b>	<b>54</b>	<b>108,834</b>
British Columbia	841	5	8,596
Alberta	1,839	6	13,743
Saskatchewan	213	4	3,399
Manitoba	189	3	2,921
Ontario	3,480	24	34,000
Quebec	1,094	12	32,182
Newfoundland and Labrador	4	0	571
New Brunswick	8	0	2,269
Nova Scotia	75	0	9,962
Prince Edward Island	2	0	923
Yukon	0	0	5
Northwest Territories	0	0	129
Nunavut	6	0	134

\* The new cases, deaths and tests reflect the difference between a province or territory's current report and their last report. Some provinces and territories do not update daily.

N/A means that no daily update was provided by the province or territory.

# Variants of Concern (VOC) in Canada

All viruses, including COVID-19, change, or mutate, over time. Not all mutations are of concern. However, some changes result in variants of concern (VOC). A VOC has changes that are significant to public health.

For example, they might:

- spread more easily
- cause more severe illness
- require different treatments, or
- not respond the same to current vaccines

We update VOC (Variants of concern) information daily from Sunday to Thursday at 7:00 PM EST, using publicly reported information from the provinces and territories.

**Table 2. Cumulative number of cases involving variants of concern (VOC) publicly reported, as of April 28, 2021 7:00 PM EST**

Location	B.1.1.7 variant	B.1.351 variant	P.1 variant
<b>Canada</b>	<b>98,706</b>	<b>610</b>	<b>3,384</b>
British Columbia	4,039	76	2,063
Alberta	26,985	75	860
Saskatchewan	2,277	9	19
Manitoba	1,200	20	9
Ontario	60,355	220	405
Quebec	3,345	188	25
Newfoundland and Labrador	187	6	1
New Brunswick	180	4	0
Nova Scotia	73	12	1
Prince Edward Island	13	0	0
Yukon	1	0	1
Northwest Territories	1	0	0
Nunavut	50	0	0

Note: The table reports publicly available information from the provinces and territories. In case of discrepancies, the provincial or territorial data should be considered current and correct.

# 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.

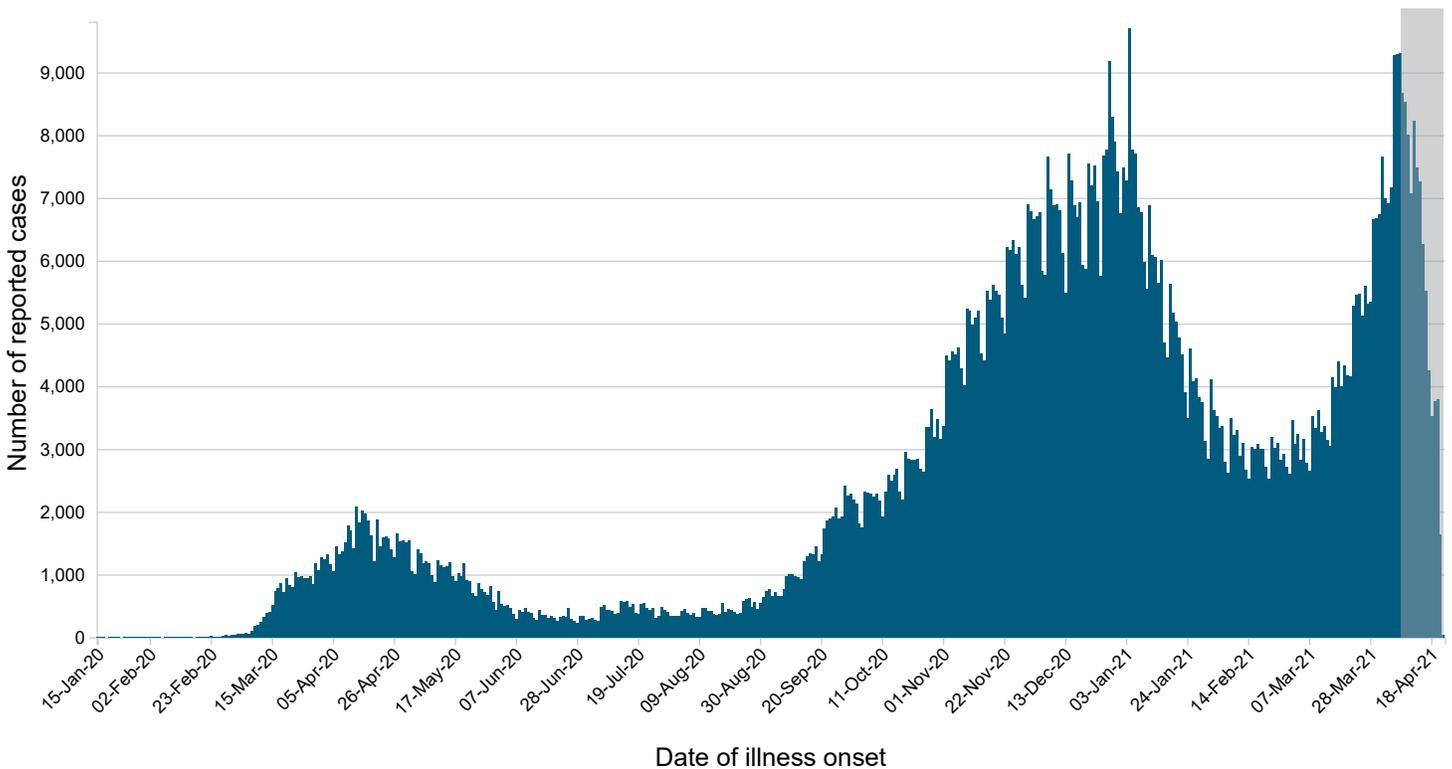
Updated: 23 April, 2021, 9 am EST

## Epidemic curve

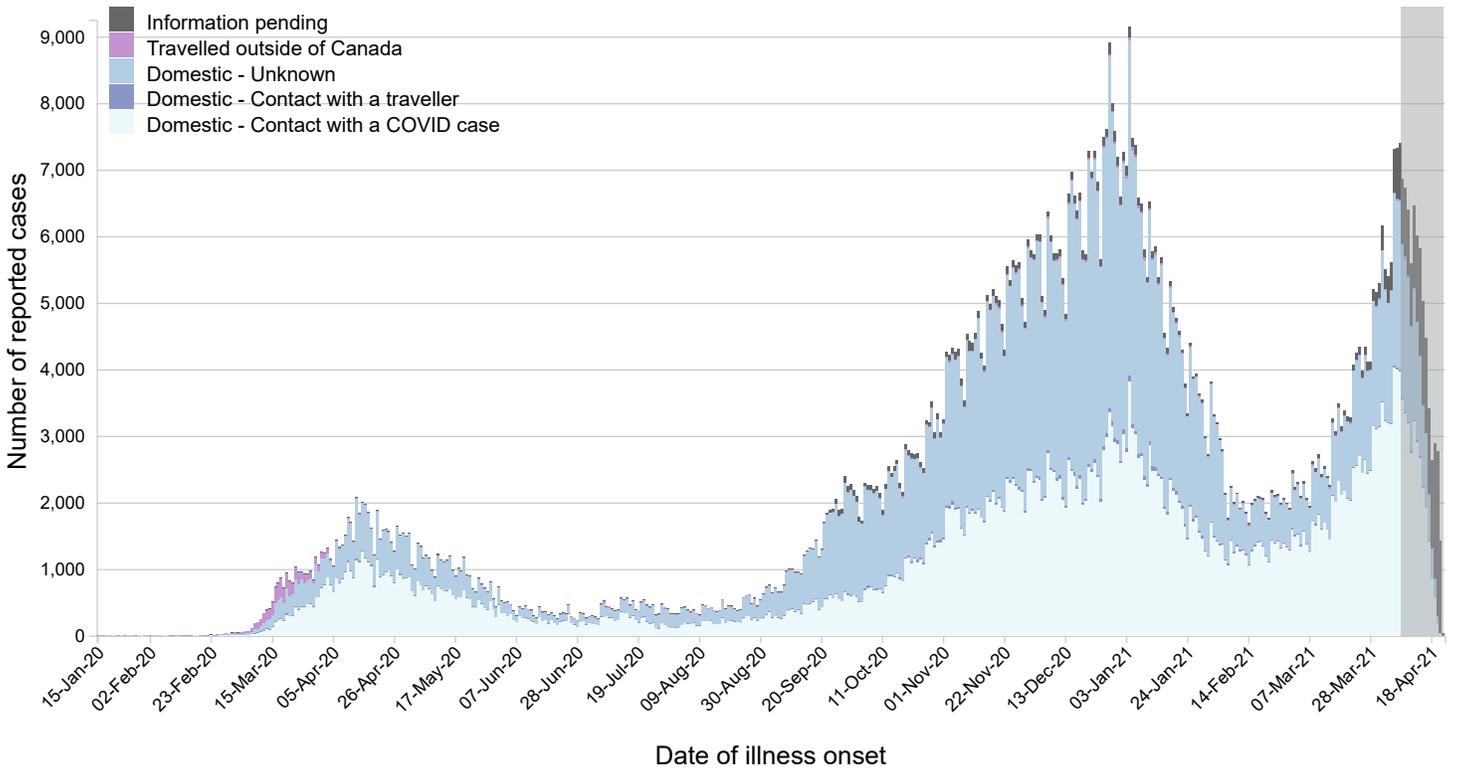
As of 23 April, 2021, 9 am EST, PHAC has received detailed case report data on 1,152,727 cases. Both exposure and symptom onset date were available for 1,027,408 (89.1%) cases <sup>1</sup>.

The shaded area on the far right of Figure 2 represents lag time. 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.

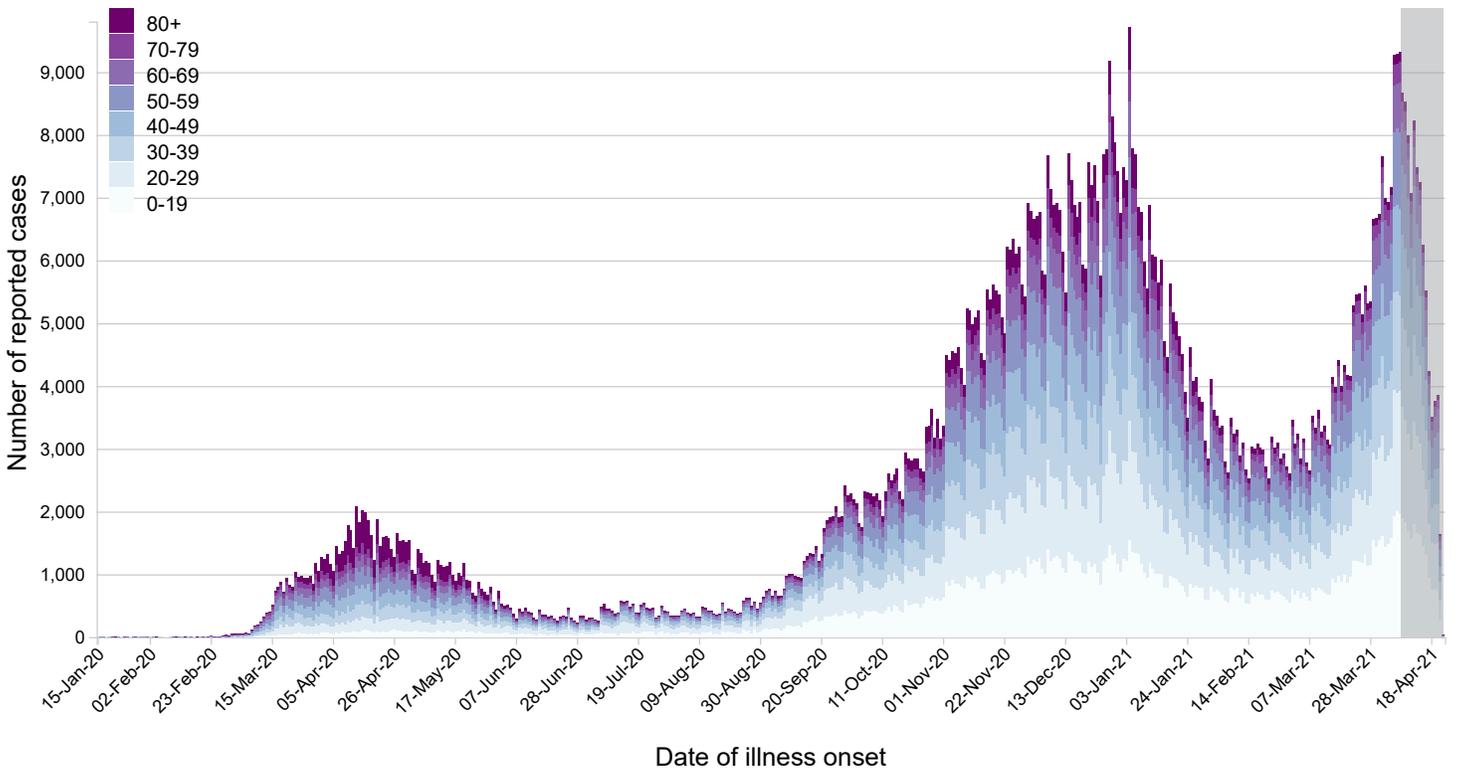
**Figure 2. COVID-19 cases (n=1,152,715 <sup>1</sup>) in Canada by date of illness onset <sup>2</sup> as of 23 April, 2021, 7 pm EST (total cases)**



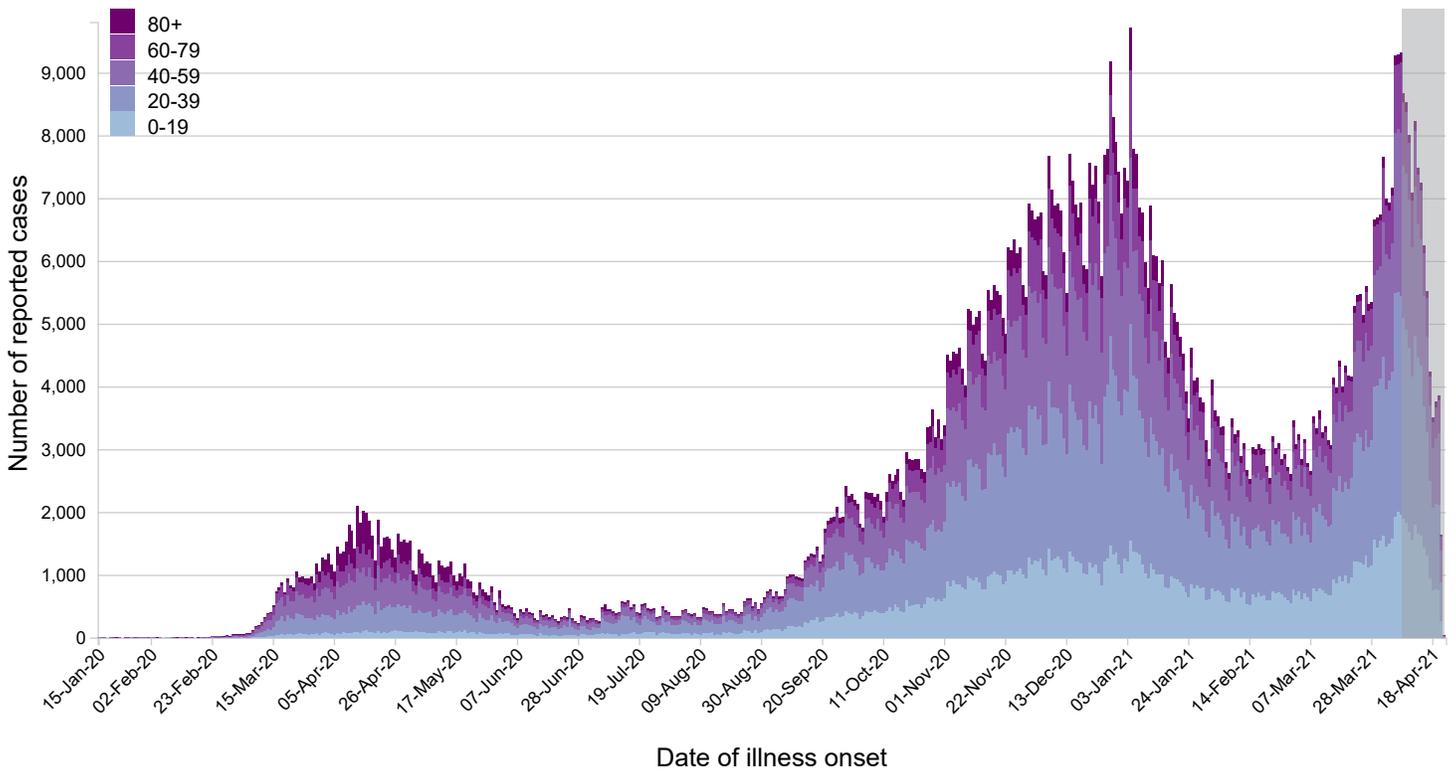
**Figure 2. COVID-19 cases (n=1,027,408 <sup>1</sup>) in Canada by date of illness onset <sup>2</sup> as of 23 April, 2021, 7 pm EST (by exposure)**



**Figure 2. COVID-19 cases (n=1,152,393 <sup>1</sup>) in Canada by date of illness onset <sup>2</sup> as of 23 April, 2021, 7 pm EST (by age - 10 year groups)**



**Figure 2. COVID-19 cases (n=1,152,393<sup>1</sup>) in Canada by date of illness onset<sup>2</sup> as of 23 April, 2021, 7 pm EST (by age - 20 year groups)**



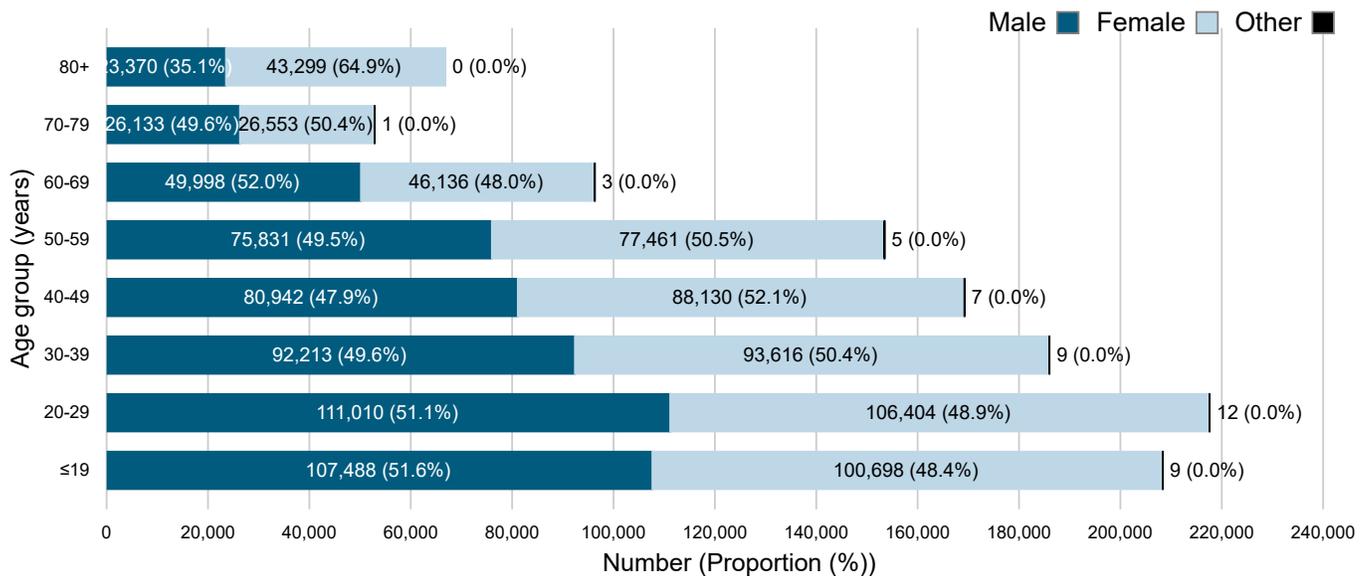
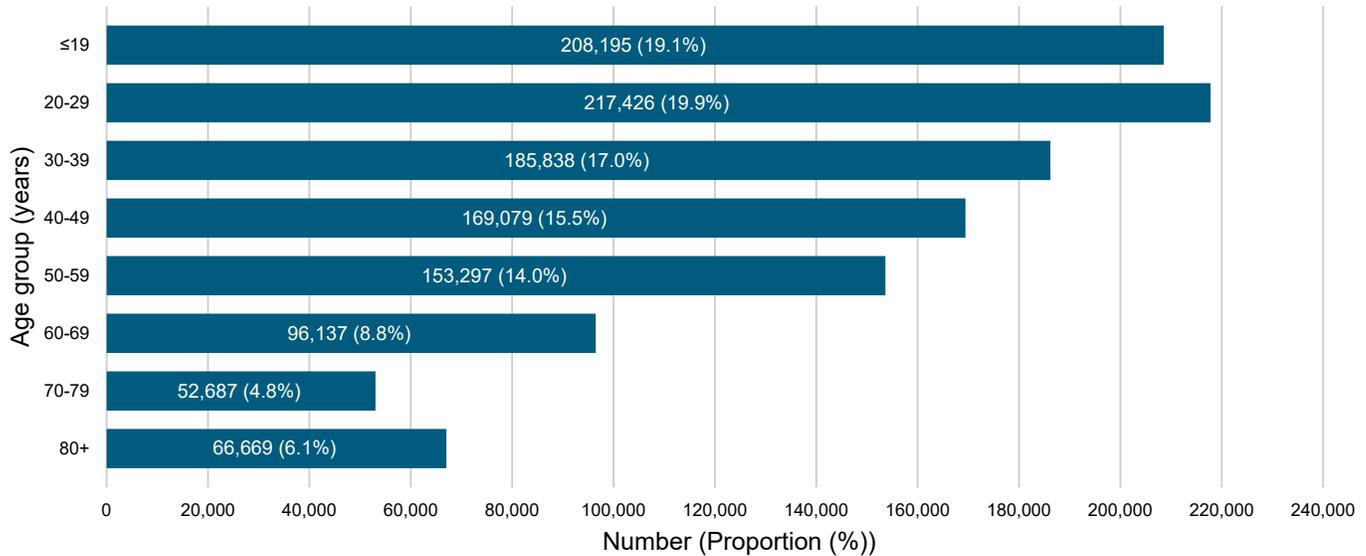
This figure may underestimate the total number of cases among returning travelers. Exposure history is not available for all cases and jurisdictions have not all consistently reported exposure history to PHAC throughout the pandemic.

# Demographics

We have detailed case report data from 1,152,727 cases. We know the age of patients in 94.73% of cases, and both age and gender in 94.63% of cases.

Of the cases reported in Canada so far, about half (50.7%) were female. About one-fifth (18.7%) were 60 years old and over (Figure 3).

Figure 3.  distribution of COVID-19 cases (n=1,091,940<sup>1</sup>) in Canada as of 23 April, 2021, 7 pm EST<sup>4</sup>



**Age by gender <sup>4</sup> distribution of COVID-19 cases (n=1,091,940 <sup>1</sup>) in Canada, 23 April, 2021, 7 pm 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)
≤19	208,195 (19.1%)	107,488 (19.0%)	100,698 (17.3%)	9 (19.6%)
20-29	217,426 (19.9%)	111,010 (19.6%)	106,404 (18.3%)	12 (26.1%)
30-39	185,838 (17.0%)	92,213 (16.3%)	93,616 (16.1%)	9 (19.6%)
40-49	169,079 (15.5%)	80,942 (14.3%)	88,130 (15.1%)	7 (15.2%)
50-59	153,297 (14.0%)	75,831 (13.4%)	77,461 (13.3%)	5 (10.9%)
60-69	96,137 (8.8%)	49,998 (8.8%)	46,136 (7.9%)	3 (6.5%)
70-79	52,687 (4.8%)	26,133 (4.6%)	26,553 (4.6%)	1 (2.2%)
80+	66,669 (6.1%)	23,370 (4.1%)	43,299 (7.4%)	0 (0.0%)
Total	1,149,328 (100%)	566,985 (100%)	582,297 (100%)	46 (100%)

## How people were exposed <sup>3</sup>

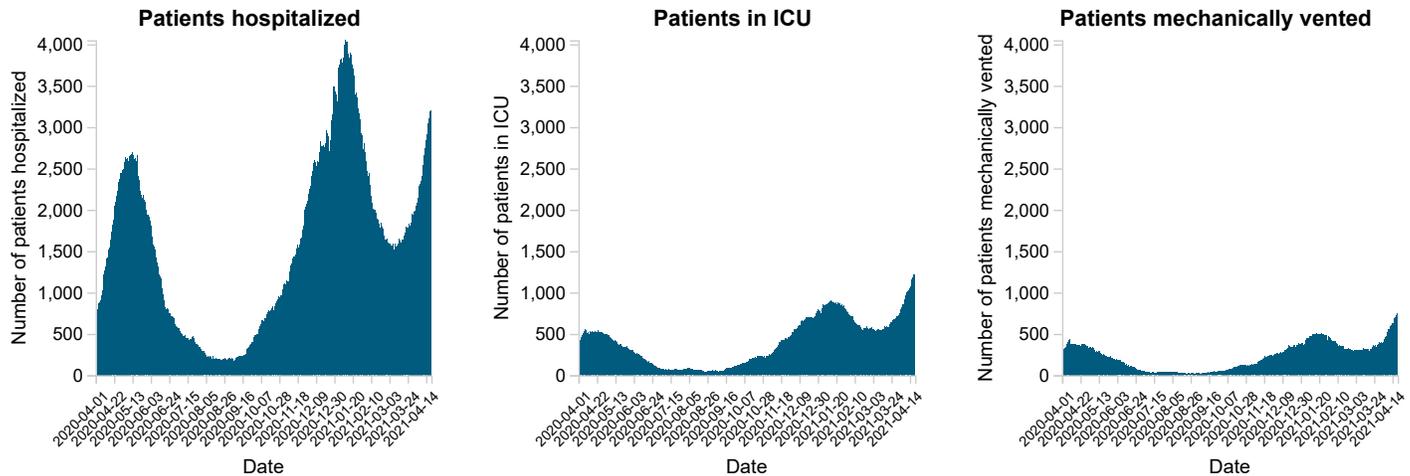
In  , detailed case report data were provided for 1,152,727 cases. We have exposure history for 1,027,530 (89.1%) cases. The probable exposure setting of these cases <sup>1</sup> are:

- any exposure that occurred in Canada: **981,382 (95.5%)**, including
  - from contact with a known COVID case: **475,374 (46.3%)**
  - from contact with a traveller: **7,134 (0.7%)**
  - from an unknown source: **498,874 (48.6%)**
- currently unknown (information pending): **37,541 (3.7%)**
- travelled outside of Canada: **8,607 (0.8%)**

# Severe illness and outcomes

## Hospital use

Figure 4. Daily number of hospital beds and ICU beds occupied by COVID-19 patients as of April 19, 2021



Between April 12, 2021 and April 19, 2021:

- the number of **hospital beds** occupied by COVID-19 patients **increased** from **2,749** to **3,205** beds.
- the number of **ICU beds** occupied by COVID-19 patients **increased** from **1,028** to **1,215** beds.
- the number of **COVID-19 patients who were mechanically vented** increased from **599** to **747**.

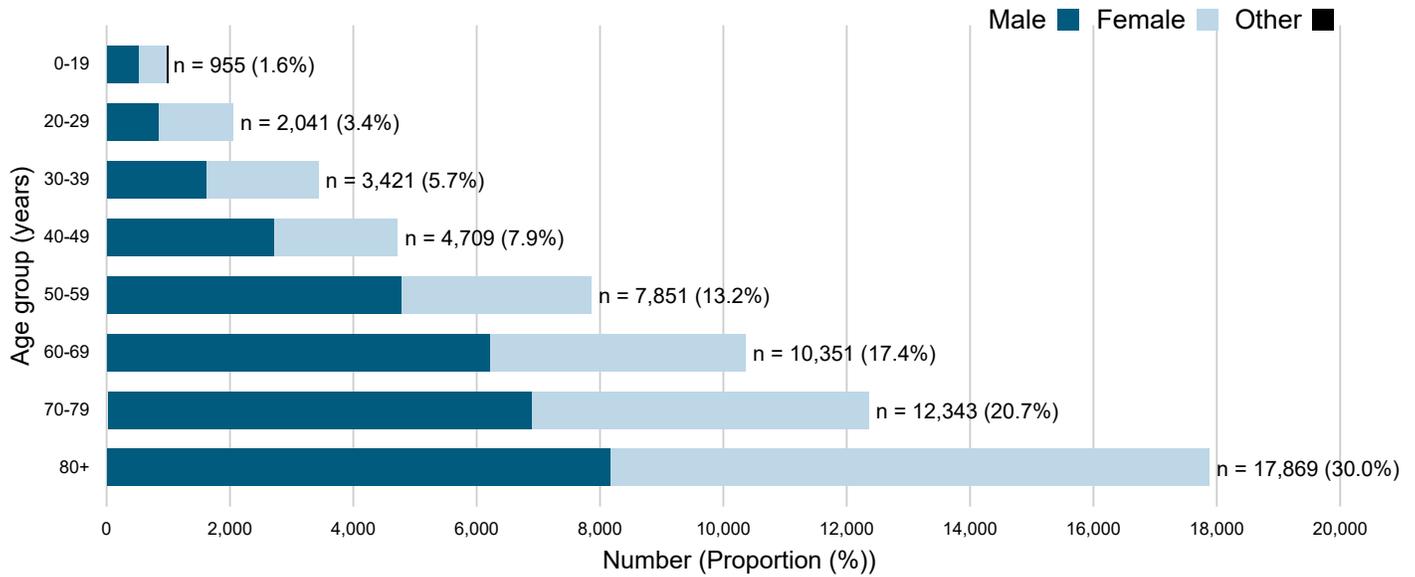
## Hospitalizations and deaths to date

We have detailed case report data on 1,152,727 cases, and hospitalization status for 796,605 (69.1%) of them:

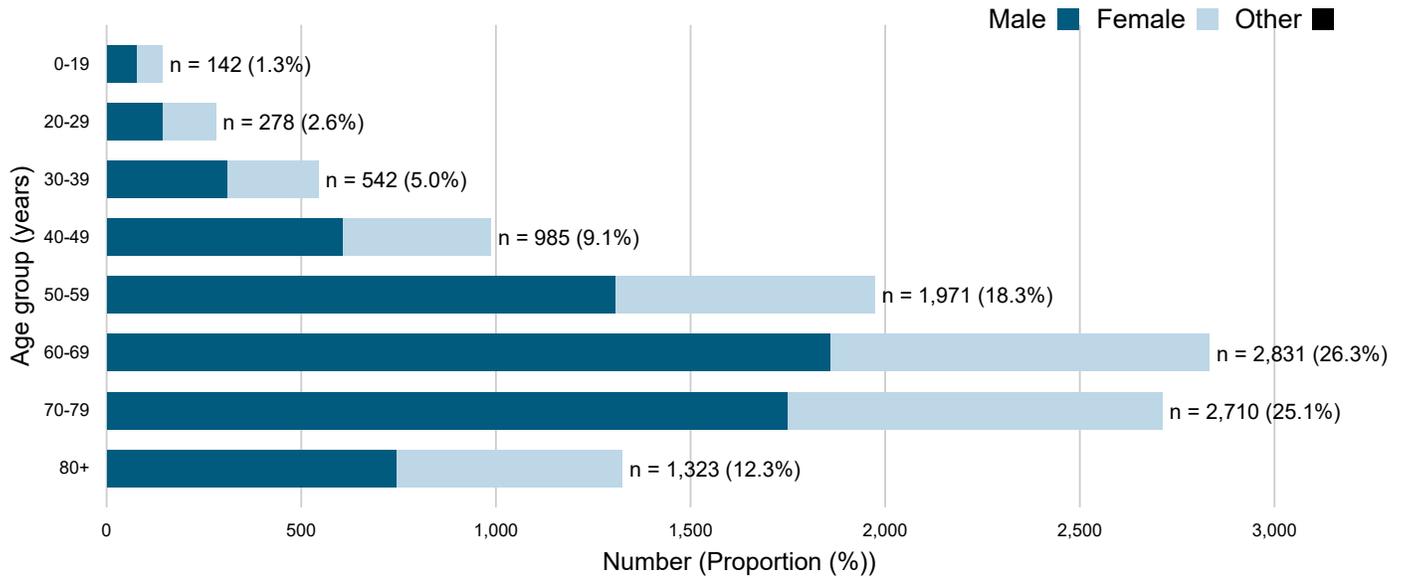
- **59,625 cases (7.5%)** were hospitalized, of whom:
  - **10,798 (18.1%)** were admitted to the ICU
  - **1,777 (3.0%)** needed mechanical ventilation

The provinces and territories provided detailed case report forms for **23,814** deaths related to COVID-19.

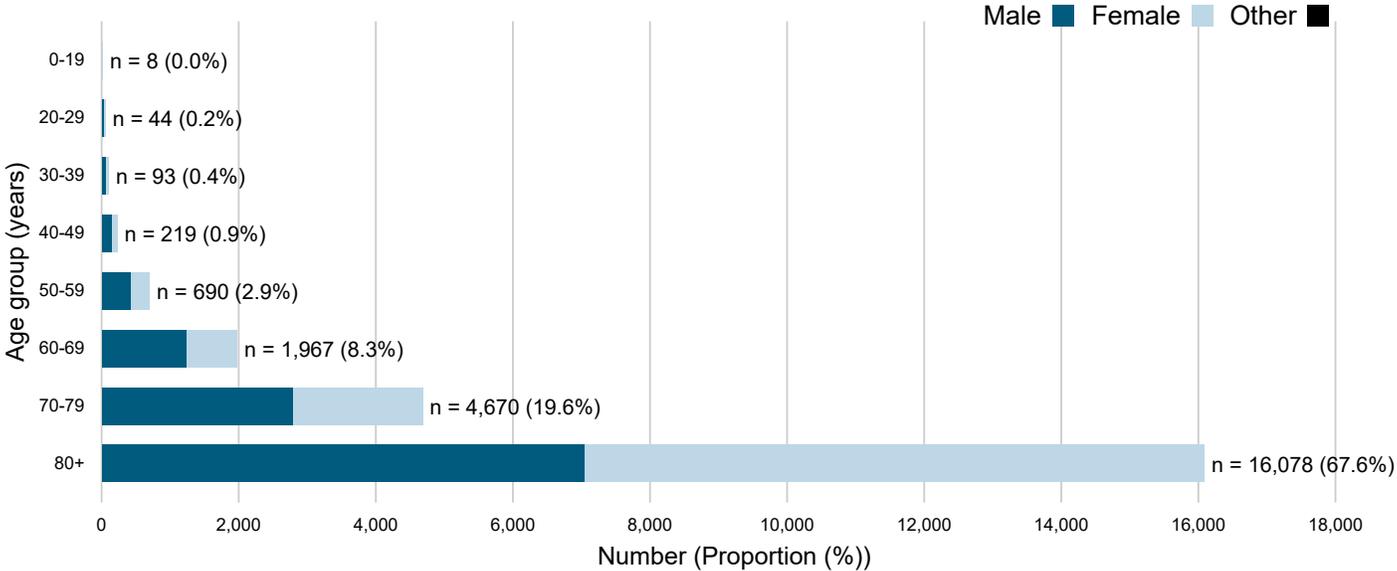
**Figure 5a. Age and gender<sup>4</sup> distribution of COVID-19 cases hospitalized in Canada as of 23 April, 2021, 7 pm EST (n=59,540<sup>1</sup>)**



**Figure 5b. Age and gender<sup>4</sup> distribution of COVID-19 cases admitted to ICU in Canada as of 23 April, 2021, 7 pm EST (n=10,782<sup>1</sup>)**



**Figure 5c. Age and gender<sup>4</sup> distribution of COVID-19 cases deceased in Canada as of 23 April, 2021, 7 pm EST (n=23,769<sup>1</sup>)**



Data note: Figure 5 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 5.

**Age and gender <sup>4</sup> distribution of COVID-19 cases hospitalized in Canada as of 23 April, 2021, 7 pm EST (n=59,540 <sup>1</sup>)**

<b>Age group (years)</b>	<b>Number of cases with case reports (percentage)</b>	<b>Number of male cases (percentage)</b>	<b>Number of female cases (percentage)</b>	<b>Number of other cases (percentage)</b>
0-19	955 (1.6%)	504 (0.8%)	450 (0.8%)	1 (0.0%)
20-29	2,041 (3.4%)	841 (1.4%)	1,200 (2.0%)	0 (0.0%)
30-39	3,421 (5.7%)	1,600 (2.7%)	1,821 (3.1%)	0 (0.0%)
40-49	4,709 (7.9%)	2,709 (4.5%)	2,000 (3.4%)	0 (0.0%)
50-59	7,851 (13.2%)	4,774 (8.0%)	3,077 (5.2%)	0 (0.0%)
60-69	10,351 (17.4%)	6,206 (10.4%)	4,145 (7.0%)	0 (0.0%)
70-79	12,343 (20.7%)	6,888 (11.6%)	5,455 (9.2%)	0 (0.0%)
80+	17,869 (30.0%)	8,158 (13.7%)	9,711 (16.3%)	0 (0.0%)

**Age and gender <sup>4</sup> distribution of COVID-19 cases admitted to ICU in Canada as of 23 April, 2021, 7 pm EST (n=10,782 <sup>1</sup>)**

<b>Age group (years)</b>	<b>Number of cases with case reports (percentage)</b>	<b>Number of male cases (percentage)</b>	<b>Number of female cases (percentage)</b>	<b>Number of other cases (percentage)</b>
0-19	142 (1.3%)	77 (0.7%)	65 (0.6%)	0 (0.0%)
20-29	278 (2.6%)	141 (1.3%)	137 (1.3%)	0 (0.0%)
30-39	542 (5.0%)	309 (2.9%)	233 (2.2%)	0 (0.0%)
40-49	985 (9.1%)	606 (5.6%)	379 (3.5%)	0 (0.0%)
50-59	1,971 (18.3%)	1,304 (12.1%)	667 (6.2%)	0 (0.0%)
60-69	2,831 (26.3%)	1,859 (17.2%)	972 (9.0%)	0 (0.0%)
70-79	2,710 (25.1%)	1,748 (16.2%)	962 (8.9%)	0 (0.0%)
80+	1,323 (12.3%)	744 (6.9%)	579 (5.4%)	0 (0.0%)

**Age and gender <sup>4</sup> distribution of COVID-19 cases deceased in Canada as of 23 April, 2021, 7 pm EST (n=23,769 <sup>1</sup>)**

<b>Age group (years)</b>	<b>Number of cases with case reports (percentage)</b>	<b>Number of male cases (percentage)</b>	<b>Number of female cases (percentage)</b>	<b>Number of other cases (percentage)</b>
0-19	8 (0.0%)	4 (0.0%)	4 (0.0%)	0 (0.0%)
20-29	44 (0.2%)	25 (0.0%)	19 (0.0%)	0 (0.0%)
30-39	93 (0.4%)	60 (0.1%)	33 (0.0%)	0 (0.0%)
40-49	219 (0.9%)	134 (0.2%)	85 (0.1%)	0 (0.0%)
50-59	690 (2.9%)	422 (0.6%)	268 (0.3%)	0 (0.0%)
60-69	1,967 (8.3%)	1,239 (2.5%)	728 (1.6%)	0 (0.0%)
70-79	4,670 (19.6%)	2,777 (10.6%)	1,893 (7.1%)	0 (0.0%)
80+	16,078 (67.6%)	7,041 (30.1%)	9,037 (20.9%)	0 (#DIV/0!)

# 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 time (lag time) 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 Exposure information may not be available for all cases. Some jurisdictions haven't consistently reported to PHAC how people were exposed throughout the pandemic. As a result, this may underestimate the total number of cases by different exposures, especially among returning travelers.
  - 4 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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**Date modified:**

2021-04-28

