



# Coronavirus disease 2019 (COVID-19): Epidemiology update

Updated: February 17, 2021, 7 pm EST

## Key updates as of February 17, 2021, 7 pm EST

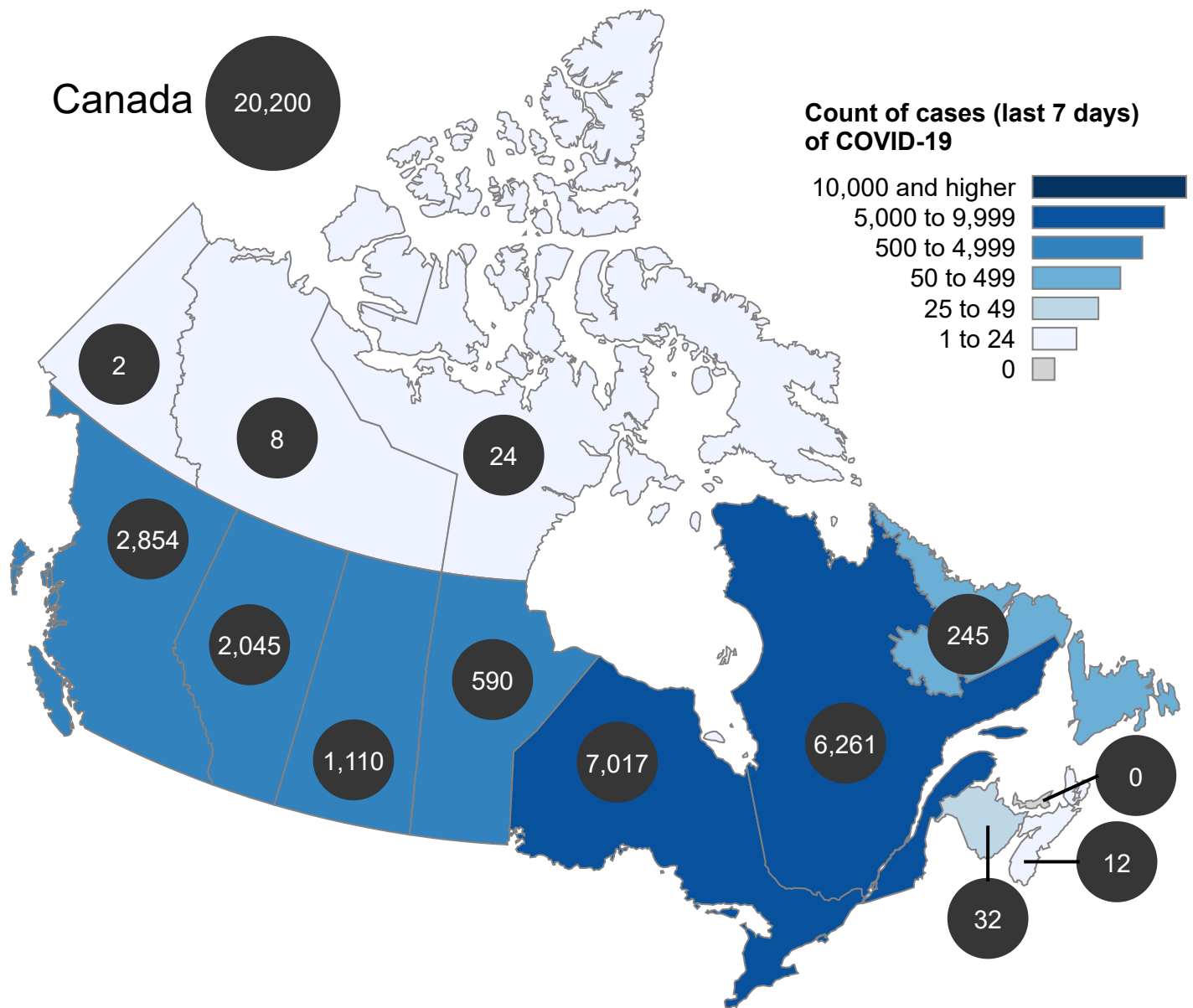
Cases today	Total cases	Active cases	Total recovered	Deaths today	Total deaths
2,606	834,182	32,986	779,761	40	21,435

Daily tests performed	Total tests performed	Percent positive (total)	Tests performed per million
70,651	23,284,768	3.7%	612,673

- The following sections of this page are updated once per day in the evening at 7:00 PM EST: Key updates, Current situation and National overview.
- The following sections of this page will be updated weekly on Fridays: Epidemic curve, Demographics, Exposure setting and Hospitalizations, intensive care unit (ICU), mechanical ventilation and deaths.
- The majority of cases (68.0%) and deaths (79.2%) have been reported by Ontario and Quebec.
- Of the jurisdictions reporting updates (n=12) no new cases have been reported in 1 province or territory within the past 24 hours.
- Of the jurisdictions reporting updates (n=12), no new deaths have been reported in 6 provinces or territories within the past 24 hours.
- As of February 1, 2021, reporting has been updated to include the new test-based metrics.

# Current situation

Figure 1a. **Count** of **cases (last 7 days)** of COVID-19, by **province/territory** as of February 17, 2021



The count of cases (last 7 days) of COVID-19 in **Canada** was **20,200** as of February 17, 2021.

This information is based on data from our provincial and territorial partners. It is current as of February 17, 2021, 7 pm EST. For the most up to date data for any province, territory or city, please visit their web site.

Starting February 1, 2021, laboratory test indicators are based on the number of laboratory tests performed and the percentage of tests positive. These data replace previous metrics based on unique individuals tested and provide a more accurate measure of test positivity and promote greater standardization in reporting across Canada. The proportion of tests positive is expected to decrease compared with previous person-based methods, as all tests will be included in the calculation, including new tests on the same person over time.

# Areas in Canada with cases of COVID-19 as of February 17, 2021

Location	Total cases		Cases last 7 days		Active cases		Recovered	Deaths		Deaths last 7 days		Total tests performed <sup>§</sup>	
	Count	Rate <sup>*</sup>	Count	Rate <sup>*</sup>	Count	Rate <sup>*</sup>	Count	Count	Rate <sup>*</sup>	Count	Rate <sup>*</sup>	Count	Rate <sup>†</sup>
Canada	834,182	2,195	20,200	53	32,986	87	779,761	21,435	56	431	1	23,284,768	612,673
British Columbia	74,710	1,451	2,854	55	4,226	82	69,167	1,317	26	48	1	1,833,855	356,247
Alberta	129,615	2,931	2,045	46	4,857	110	122,960	1,798	41	70	2	3,304,488	747,305
Saskatchewan	26,953	2,287	1,110	94	1,541	131	25,050	362	31	14	1	546,362	463,537
Manitoba	31,007	2,248	590	43	1,555	113	28,576	876	64	17	1	510,188	369,899
Ontario	288,583	1,959	7,017	48	10,985	75	270,869	6,729	46	133	1	10,286,818	698,168
Quebec	278,987	3,254	6,261	73	9,313	109	259,416	10,258	120	146	2	5,963,732	695,514
Newfoundland and Labrador	755	145	245	47	341	65	410	4	1	0	0	178,806	342,473
New Brunswick	1,407	180	32	4	119	15	1,264	24	3	3	0	227,248	290,793
Nova Scotia	1,600	163	12	1	14	1	1,521	65	7	0	0	306,388	312,848
Prince Edward Island	114	71	0	0	2	1	112	0	0	0	0	97,179	608,796
Yukon	72	171	2	5	2	5	69	1	2	0	0	7,948	189,004
Northwest Territories	42	93	8	18	10	22	32	0	0	0	0	13,453	297,890
Nunavut	324	823	24	61	21	53	302	1	3	0	0	8,227	209,056

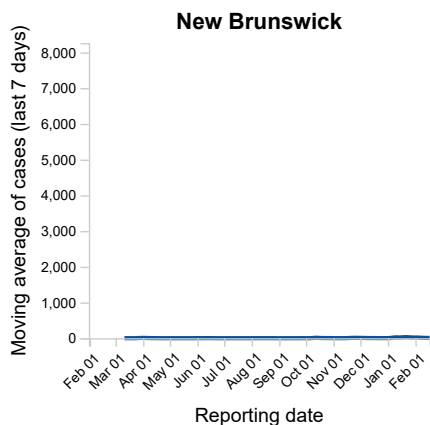
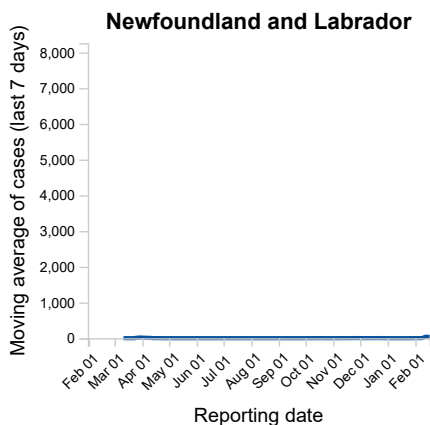
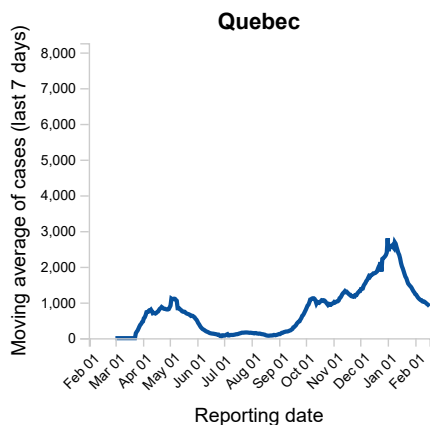
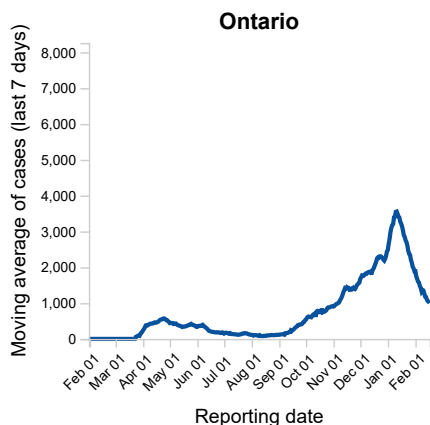
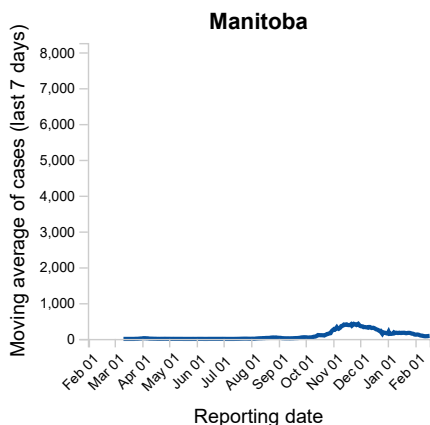
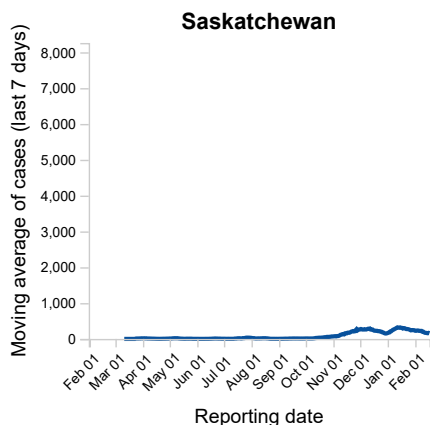
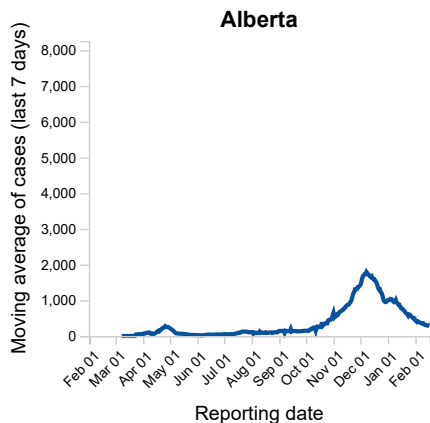
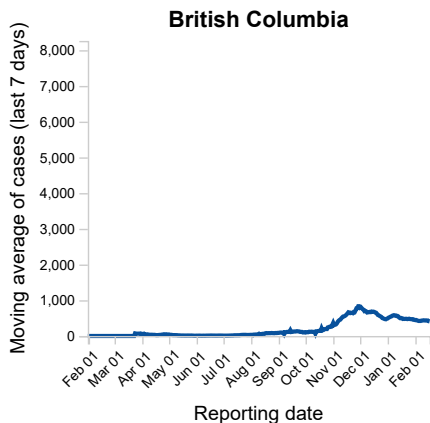
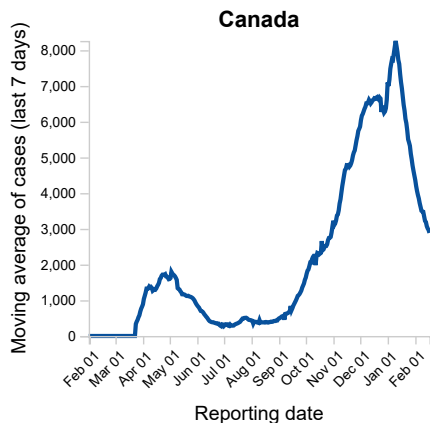
<sup>†</sup> Rate per 1,000,000 population

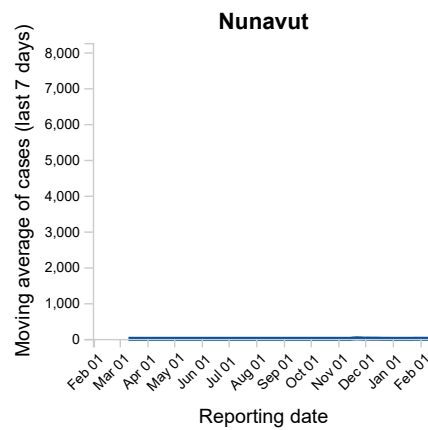
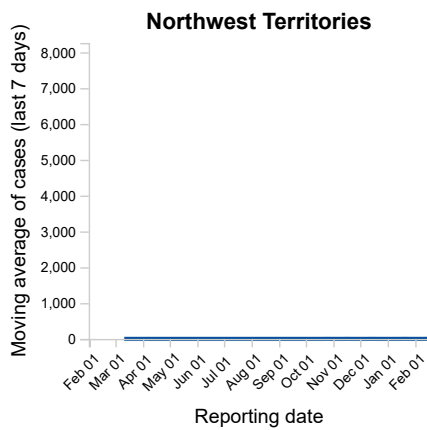
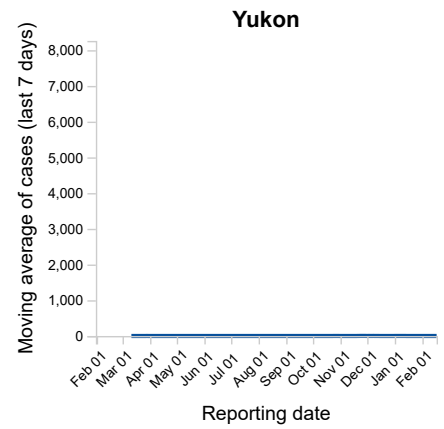
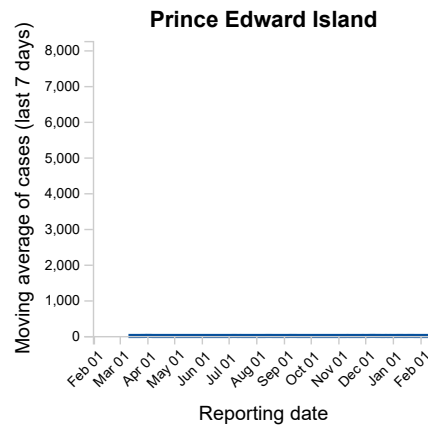
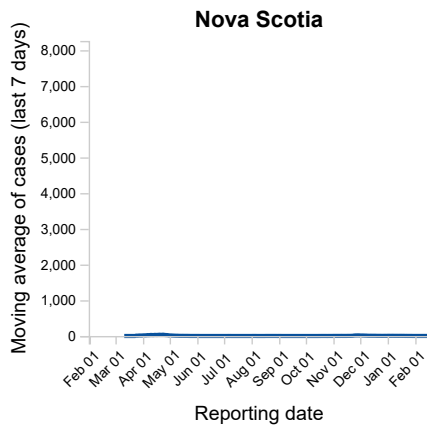
<sup>\*</sup> Rate per 100,000 population

<sup>§</sup> Due to fluctuations in daily reporting, total tests performed presented here have a 2-day delay.

Figure 1b. **Moving average** of **cases (last 7 days)** of COVID-19 in Canada as of February 17, 2021, 7 pm EST

**i** The figures displayed below demonstrate the progression of cases over time. The range of dates (January 31st, 2020 - present date) is identical for each figure to compare the provinces and territories on the same timescale. The timescale for each figure is created using the total number of cases in Canada.





[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 **23,284,768** tests performed for COVID-19 in Canada. This corresponds to a test rate of **612,673** per 1 million people. Of all tests performed, **3.7%** have been found to be positive. For more detailed information about trends in laboratory testing for COVID-19 in Canada, please see the [Detailed weekly epidemiological report \(PDF\)](#).

**Table 1. Daily\* change in the number of cases, deaths and tests performed, by location in Canada as of February 17, 2021, 7 pm EST**

Location	New cases	New deaths	Tests performed
<b>Canada</b>	<b>2,606</b>	<b>40</b>	<b>70,651</b>
British Columbia	427	3	5,248
Alberta	277	7	5,216
Saskatchewan	124	5	1,437
Manitoba	76	1	1,455
Ontario	847	10	27,005
Quebec	800	14	21,893
Newfoundland and Labrador	44	0	5,560
New Brunswick	3	0	953
Nova Scotia	3	0	1,381
Prince Edward Island	N/A	N/A	321
Yukon	0	0	0
Northwest Territories	4	0	169
Nunavut	1	0	13

\* New cases and deaths reflect the net change between what provinces and territories are reporting for the current day and for the previous reported day. Some provinces and territories do not provide daily updates, and jurisdictions reporting after time of data extraction may not be captured in this daily update. Due to fluctuations in daily reporting, daily tests performed presented here have a 2-day delay. Data not included in this table are often reported the next day, and are made available for other analyses.

Starting February 1, 2021, laboratory test indicators are based on the number of laboratory tests performed and the percentage of tests positive. These data replace previous metrics based on unique individuals tested and provide a more accurate measure of test positivity and promote greater standardization in reporting across Canada. The proportion of tests positive is expected to decrease compared with previous person-based methods, as all tests will be included in the calculation, including new tests on the same person over time.

N/A indicates no daily update provided by province/territory.

Tables and figures reflect detailed case information data provided to the Public Health Agency of Canada by provincial/territorial health authorities. This data may undergo changes as more information about cases becomes available at the provincial/territorial level.

Updated : February 12, 2021, 7 pm EST

## Epidemic curve

As of February 12, 2021, 7 pm EST, the Public Health Agency of Canada has received detailed case report data on 812,526 cases; episode date was available for 807,786 (99.4%) cases, and both exposure and episode date were available for 751,941 (92.5%) cases.

The shaded area in Figure 2 represents a period of time (lag time) where it is expected that cases have occurred but have not yet been reported nationally. There is an approximate 1 to 2 week delay between when a person becomes ill and when their information is reported to the Public Health Agency of Canada. This delay is a result of the time required to seek healthcare, get tested and receive results. It also takes time for public health authorities to gather information on cases. Therefore, new information is provided as it becomes available.

Figure 2. COVID-19 cases (n=807,786 <sup>1</sup>) in Canada by date of illness onset <sup>2</sup> as of February 12, 2021, 7 pm EST (total cases)

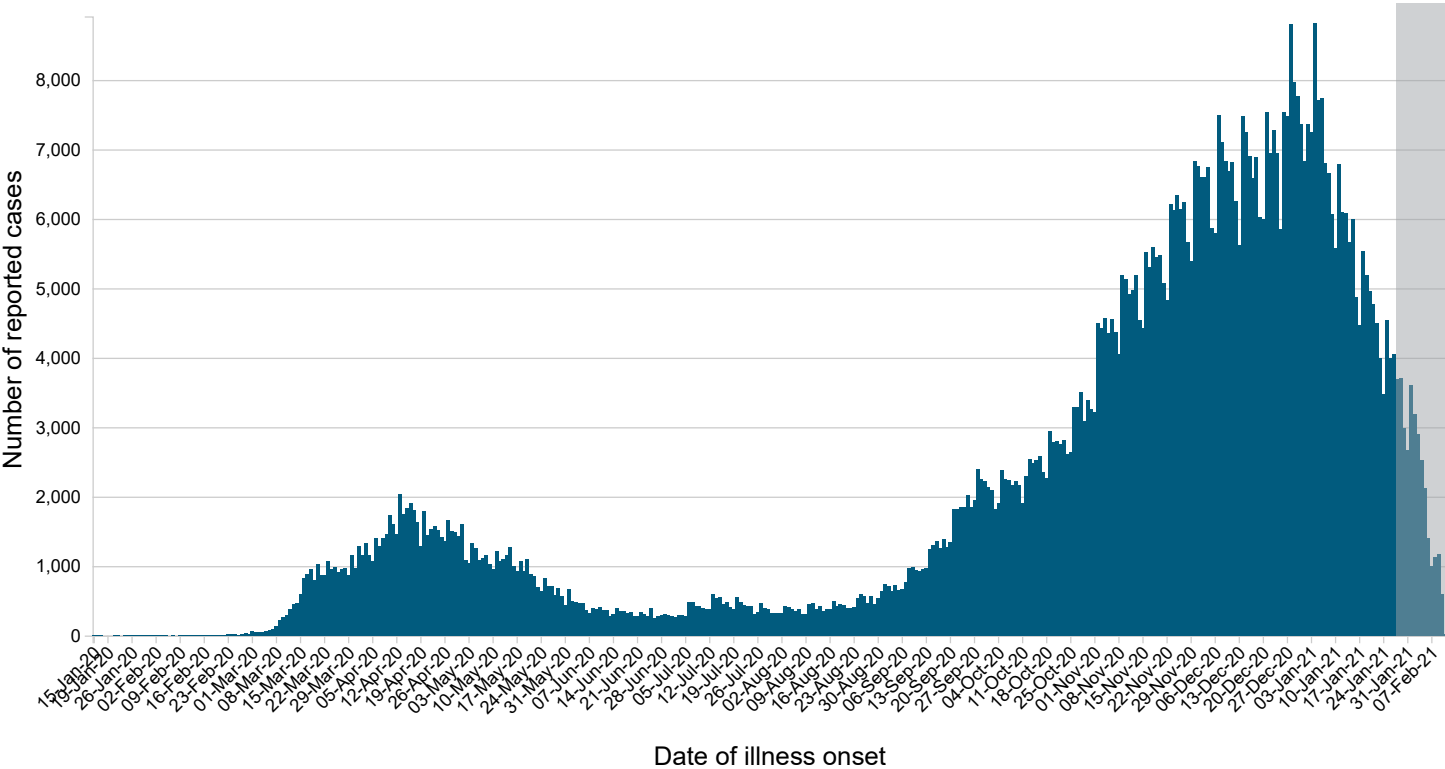
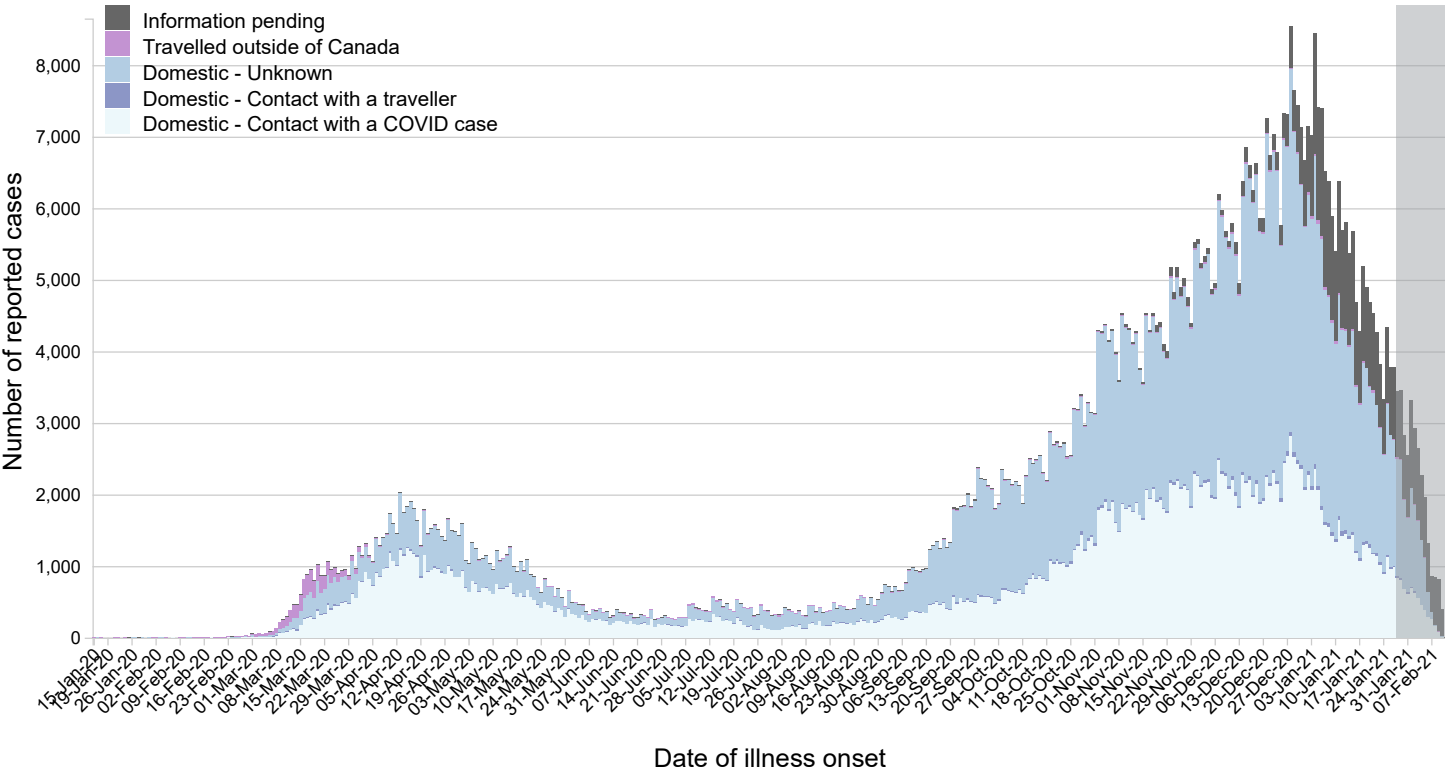
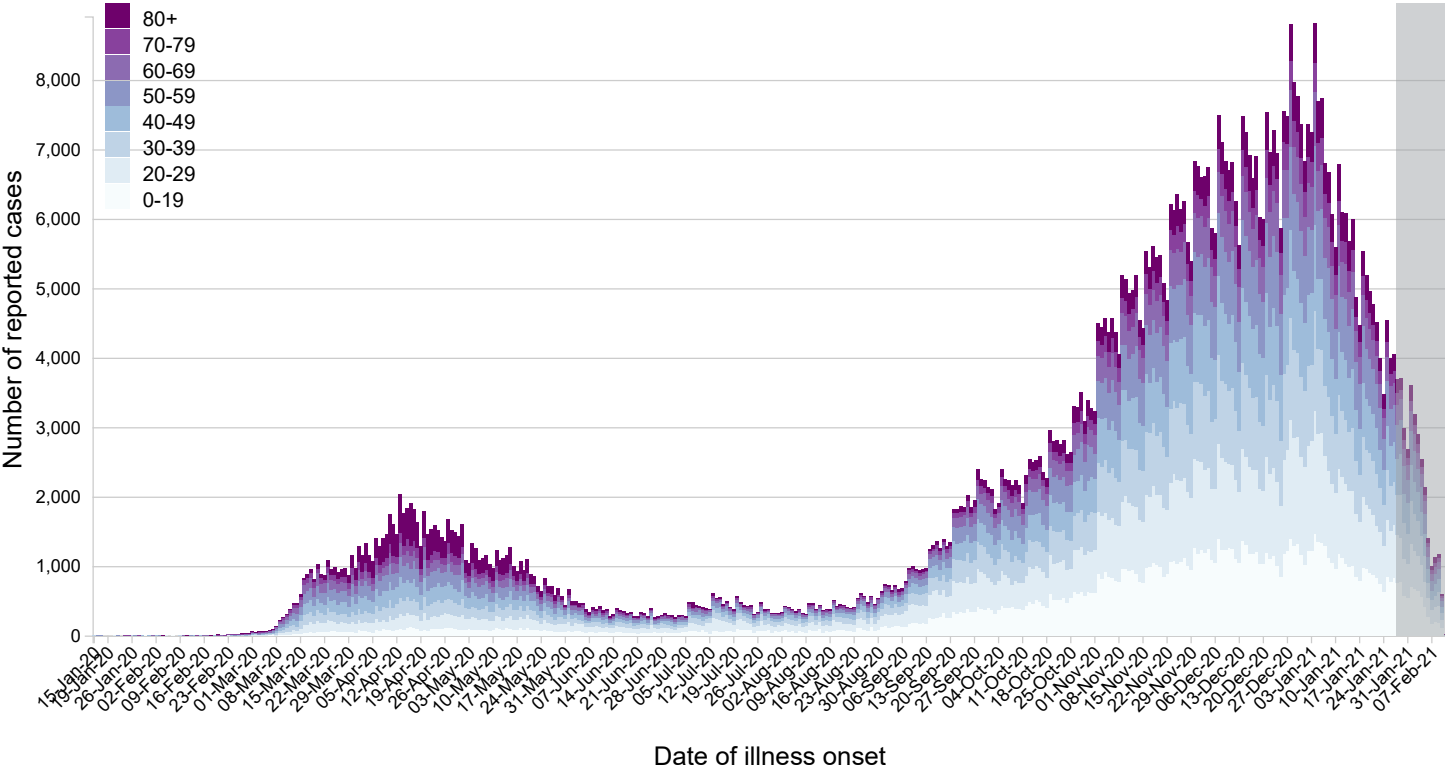


Figure 2. COVID-19 cases (n=751,941 <sup>1</sup>) in Canada by date of illness onset <sup>2</sup> as of February 12, 2021, 7 pm EST (by exposure)

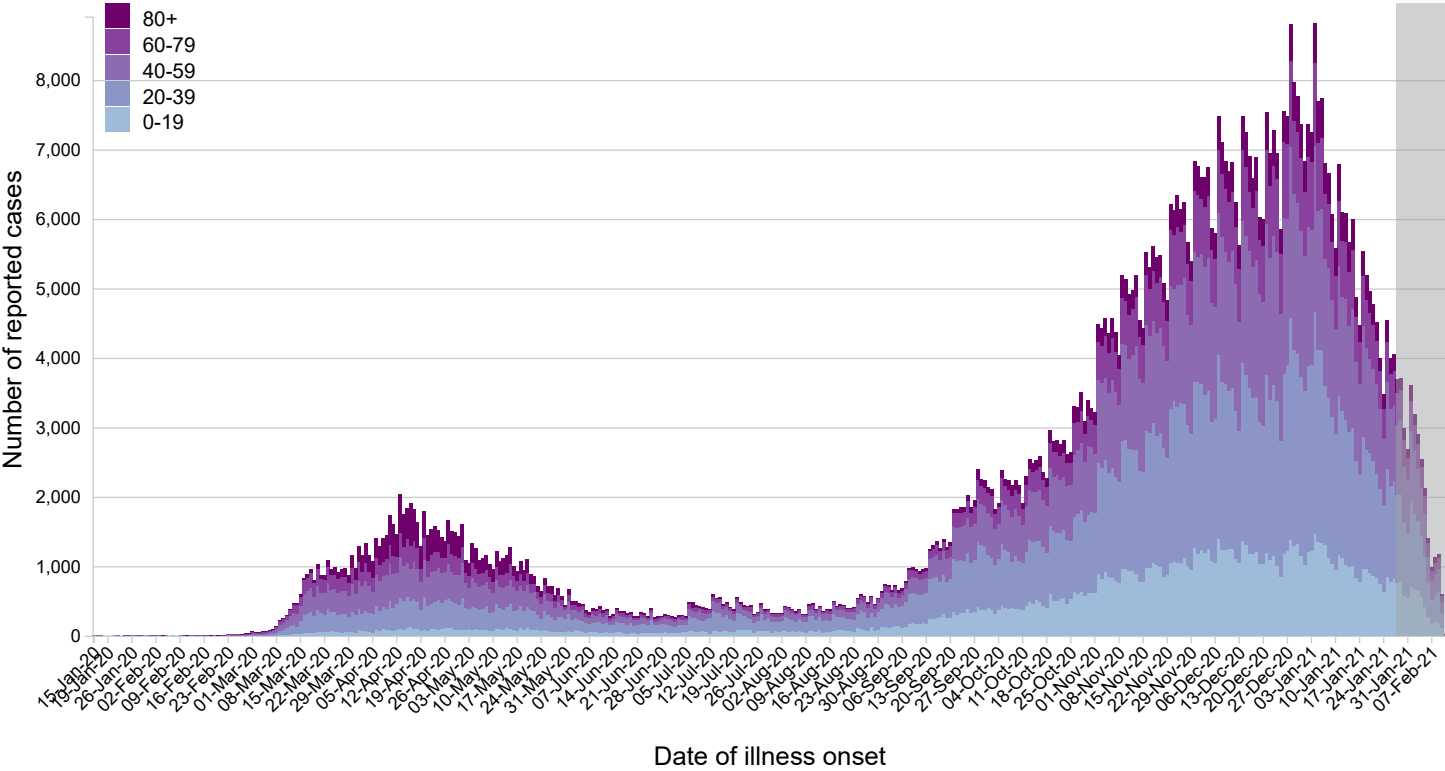




**Figure 2. COVID-19 cases (n=807,637 <sup>1</sup>) in Canada by date of illness onset <sup>2</sup> as of February 12, 2021, 7 pm EST (by age - 10 year groups)**



**Figure 2. COVID-19 cases (n=807,637 <sup>1</sup>) in Canada by date of illness onset <sup>2</sup> as of February 12, 2021, 7 pm EST (by age - 20 year groups)**



**Data note:** 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.

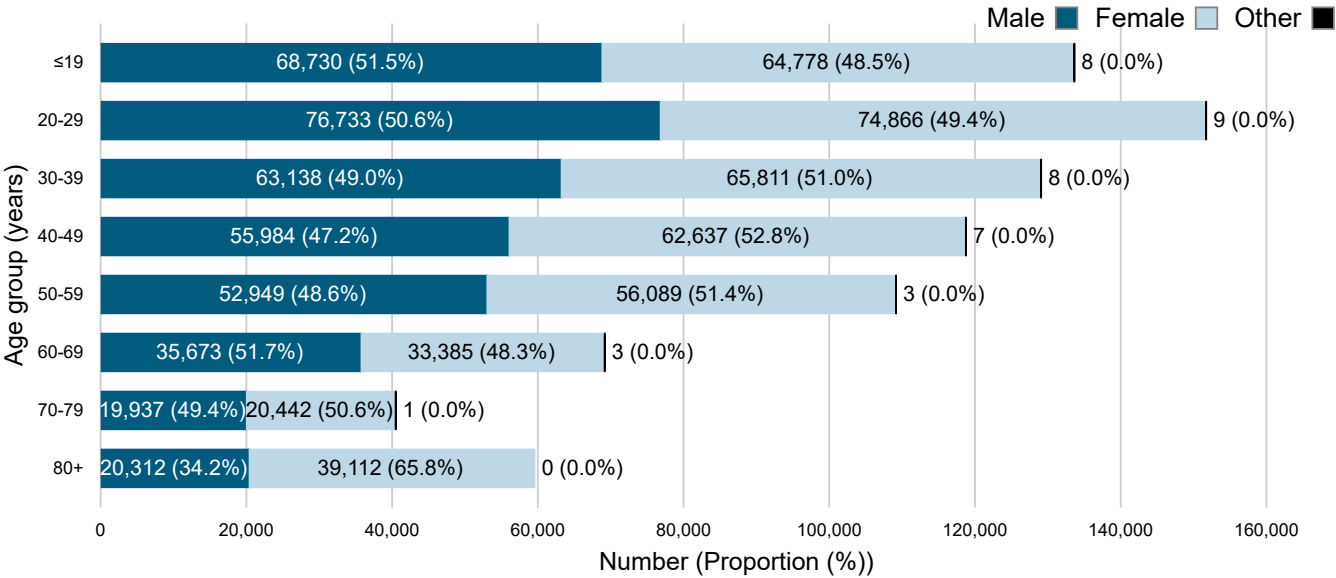
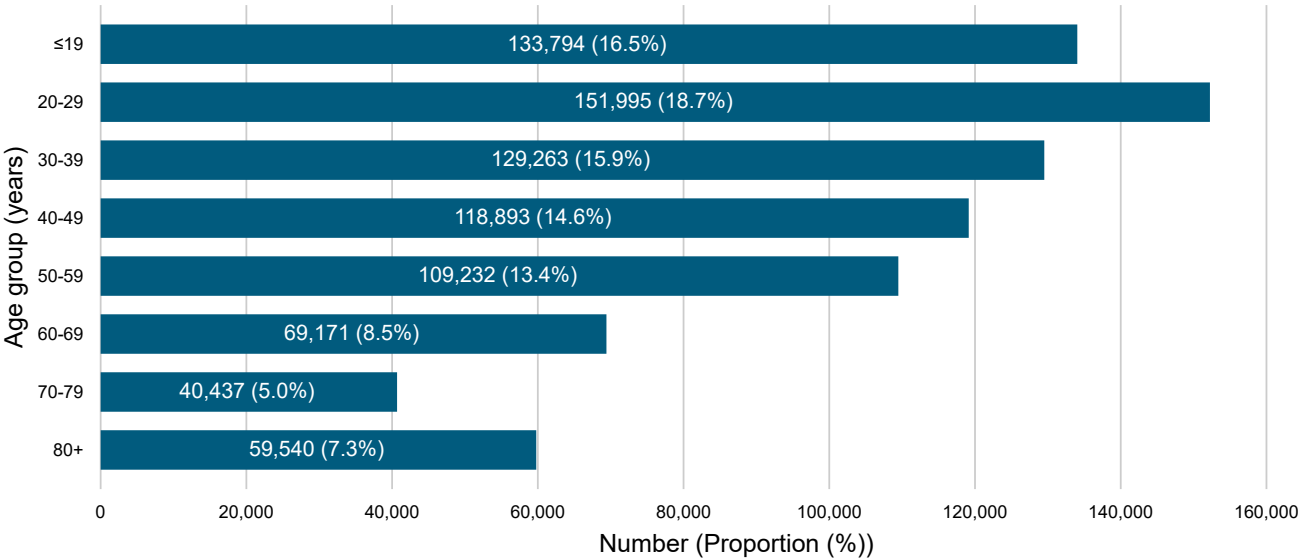
This figure may be an underestimate of the total number of cases among returning travelers as exposure history are not available for all cases and not all jurisdictions have consistently reported exposure history to PHAC throughout the COVID-19 pandemic.

## Demographics

Detailed case report data were provided on 812,526 cases; age information was available for 812,325 (99.98%) cases, and both age and sex were available for 810,615 (99.76%) cases.

Of the COVID-19 cases reported in Canada to date, approximately half (51.5%) are female. Approximately one-fifth (20.8%) of cases are 60 years old and over (Figure 3).

Figure 3. **Age** distribution of COVID-19 cases (n=812,325 <sup>1</sup>) in Canada as of February 12, 2021, 7 pm EST <sup>3</sup>



## Age by sex <sup>3</sup> distribution of COVID-19 cases (n=812,325 <sup>1</sup>) in Canada, February 12, 2021, 7 pm EST

Age group (years)	Number of cases with case reports (proportion)	Number of male cases (proportion)	Number of female cases (proportion)	Number of other cases (proportion)
≤19	133,794 (16.5%)	68,730 (17.5%)	64,778 (15.5%)	8 (20.5%)
20-29	151,995 (18.7%)	76,733 (19.5%)	74,866 (17.9%)	9 (23.1%)
30-39	129,263 (15.9%)	63,138 (16.0%)	65,811 (15.8%)	8 (20.5%)
40-49	118,893 (14.6%)	55,984 (14.2%)	62,637 (15.0%)	7 (17.9%)
50-59	109,232 (13.4%)	52,949 (13.5%)	56,089 (13.4%)	3 (7.7%)
60-69	69,171 (8.5%)	35,673 (9.1%)	33,385 (8.0%)	3 (7.7%)
70-79	40,437 (5.0%)	19,937 (5.1%)	20,442 (4.9%)	1 (2.6%)
80+	59,540 (7.3%)	20,312 (5.2%)	39,112 (9.4%)	0 (0.0%)

## Exposure setting

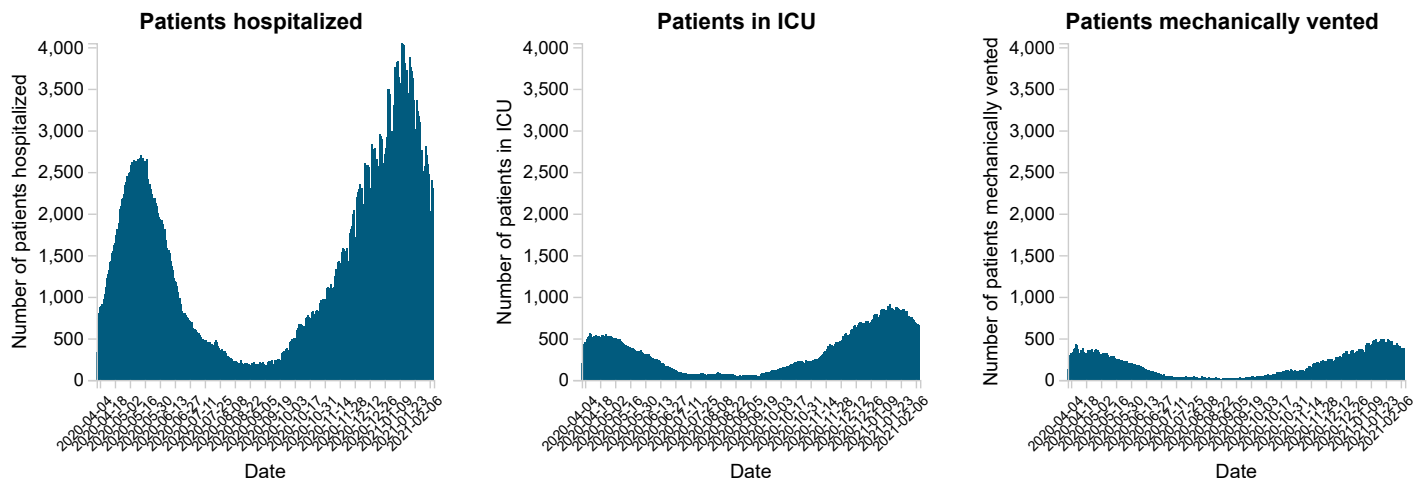
In Canada ▼, detailed case report data were provided on 812,526 cases; exposure history was available for 756,311 (93.1%) cases. The probable exposure setting of these reported cases <sup>1</sup> are:

- domestic acquisition (defined as any exposure that occurred within Canada): **694,128 (91.8%)**
  - from contact with a COVID case: **286,457 (37.9%)**
  - from contact with a traveller: **5,807 (0.8%)**
  - from an unknown source: **401,864 (53.1%)**
- currently unknown (information pending): **54,367 (7.2%)**
- travelled outside of Canada: **7,816 (1.0%)**

# Hospitalizations, intensive care unit (ICU), mechanical ventilation and deaths

## Hospital Utilization

Figure 4. Daily Census of hospital beds and ICU beds occupied by COVID-19 patients as of February 9, 2021



Between February 2, 2021 and February 9, 2021:

- The number of **hospital beds** occupied by COVID-19 patients **decreased** from **2,808** to **2,304** beds.
- The number of **ICU beds** occupied by COVID-19 patients **decreased** from **751** to **657** beds.
- The number of **COVID-19 patients who were mechanically vented** decreased from **437** to **373** beds.

## Hospitalizations To Date

Detailed case report data were provided on 812,526 cases; hospitalization status information was available for 583,752 (71.8%) of these cases:

- **45,115 cases (7.7%)** were hospitalized, of whom:
  - **8,020 (17.8%)** were admitted to the ICU
  - **1,501 (3.3%)** required mechanical ventilation

Detailed case report forms have been received from provinces and territories for **20,944** deaths related to COVID-19.

Figure 5a. Age and gender <sup>3</sup> distribution of COVID-19 cases hospitalized in Canada as of February 12, 2021, 7 pm EST (n=45,057 <sup>1</sup>)

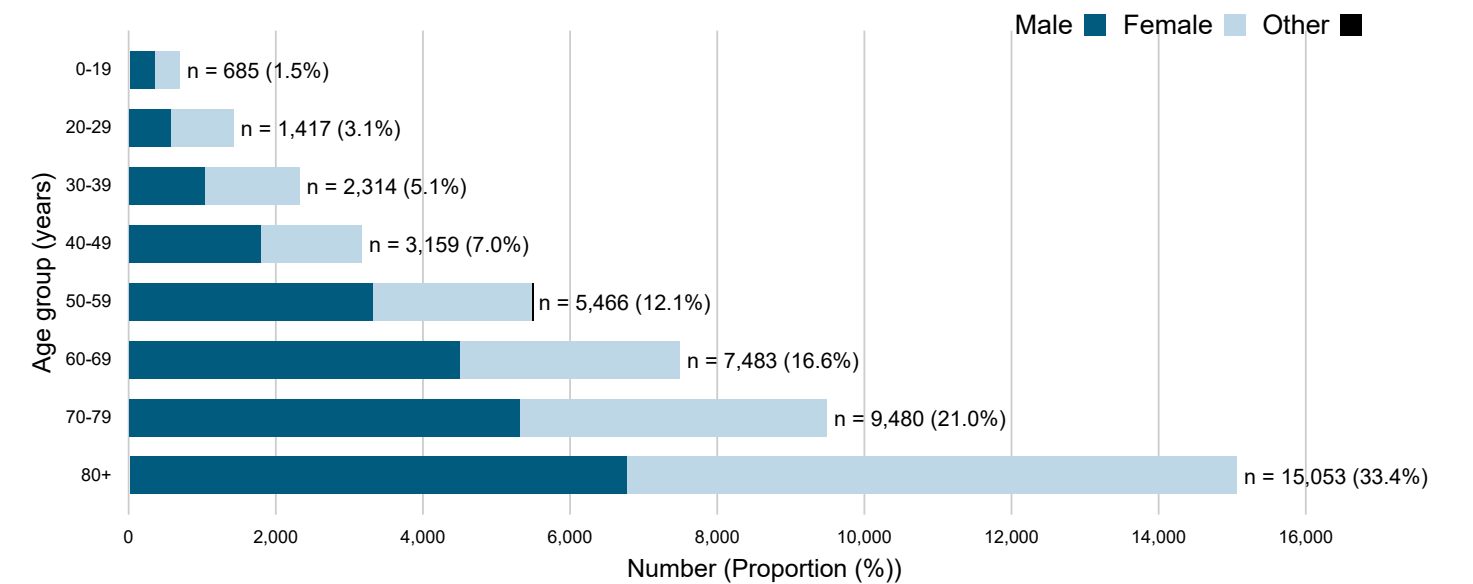


Figure 5b. Age and gender<sup>3</sup> distribution of COVID-19 cases admitted to ICU in Canada as of February 12, 2021, 7 pm EST (n=8,005<sup>1</sup>)

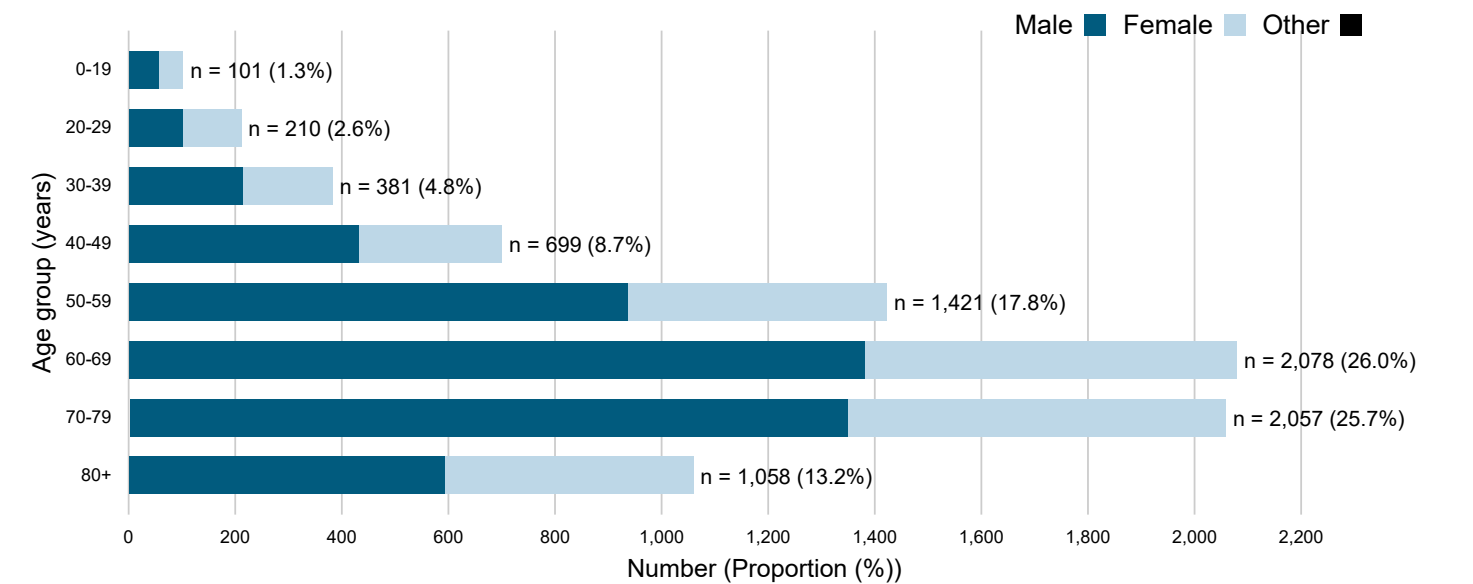
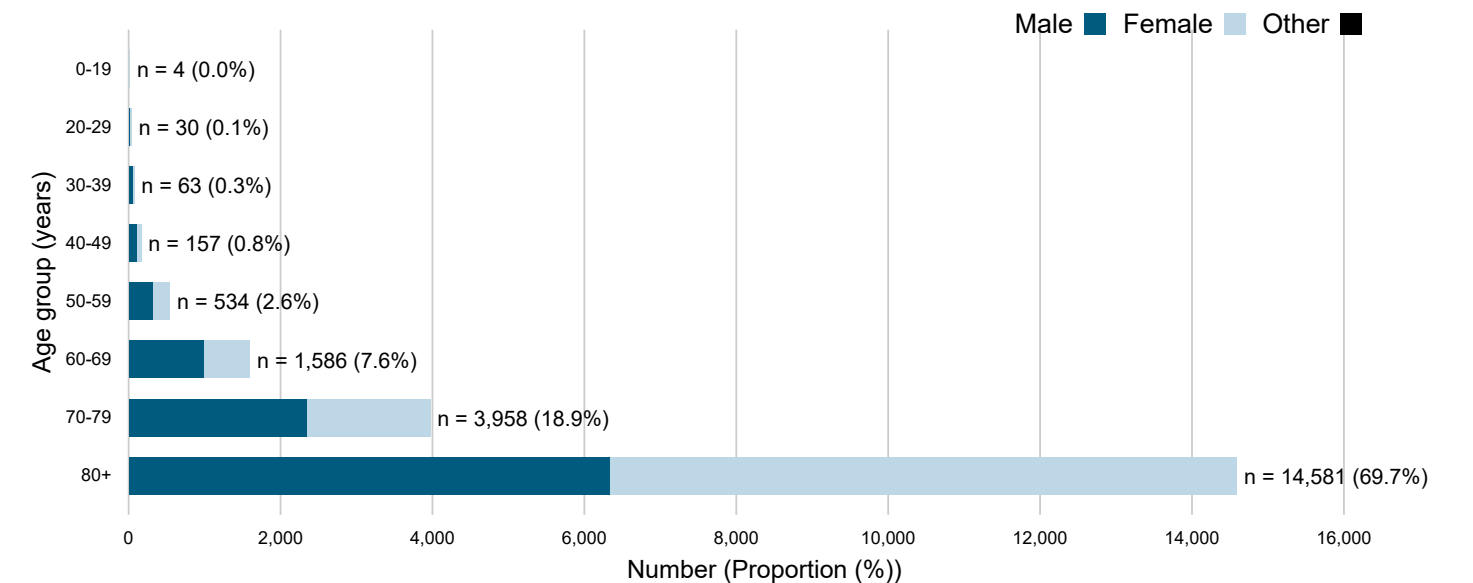


Figure 5c. Age and gender<sup>3</sup> distribution of COVID-19 cases deceased in Canada as of February 12, 2021, 7 pm EST (n=20,913<sup>1</sup>)



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>3</sup> distribution of COVID-19 cases hospitalized in Canada as of February 12, 2021, 7 pm EST (n=45,057 <sup>1</sup>)**

<b>Age group (years)</b>	<b>Number of cases with case reports (proportion)</b>	<b>Number of male cases (proportion)</b>	<b>Number of female cases (proportion)</b>	<b>Number of other cases (proportion)</b>
0-19	685 (1.5%)	353 (0.8%)	332 (0.7%)	0 (0.0%)
20-29	1,417 (3.1%)	571 (1.3%)	846 (1.9%)	0 (0.0%)
30-39	2,314 (5.1%)	1,034 (2.3%)	1,280 (2.8%)	0 (0.0%)
40-49	3,159 (7.0%)	1,788 (4.0%)	1,371 (3.0%)	0 (0.0%)
50-59	5,466 (12.1%)	3,304 (7.3%)	2,161 (4.8%)	1 (0.0%)
60-69	7,483 (16.6%)	4,499 (10.0%)	2,984 (6.6%)	0 (0.0%)
70-79	9,480 (21.0%)	5,309 (11.8%)	4,171 (9.3%)	0 (0.0%)
80+	15,053 (33.4%)	6,768 (15.0%)	8,285 (18.4%)	0 (0.0%)

**Age and gender <sup>3</sup> distribution of COVID-19 cases admitted to ICU in Canada as of February 12, 2021, 7 pm EST (n=8,005 <sup>1</sup>)**

<b>Age group (years)</b>	<b>Number of cases with case reports (proportion)</b>	<b>Number of male cases (proportion)</b>	<b>Number of female cases (proportion)</b>	<b>Number of other cases (proportion)</b>
0-19	101 (1.3%)	56 (0.7%)	45 (0.6%)	0 (0.0%)
20-29	210 (2.6%)	101 (1.3%)	109 (1.4%)	0 (0.0%)
30-39	381 (4.8%)	213 (2.7%)	168 (2.1%)	0 (0.0%)
40-49	699 (8.7%)	432 (5.4%)	267 (3.3%)	0 (0.0%)
50-59	1,421 (17.8%)	936 (11.7%)	485 (6.1%)	0 (0.0%)
60-69	2,078 (26.0%)	1,381 (17.3%)	697 (8.7%)	0 (0.0%)
70-79	2,057 (25.7%)	1,349 (16.9%)	708 (8.8%)	0 (0.0%)
80+	1,058 (13.2%)	592 (7.4%)	466 (5.8%)	0 (0.0%)