



Coronavirus disease 2019 (COVID-19): Epidemiology update

Updated: December 16, 2020, 7 pm EST

Key updates as of December 16, 2020, 7 pm EST

Cases today	Total cases
6,416	481,630

Active cases	Total recovered
75,885	391,946

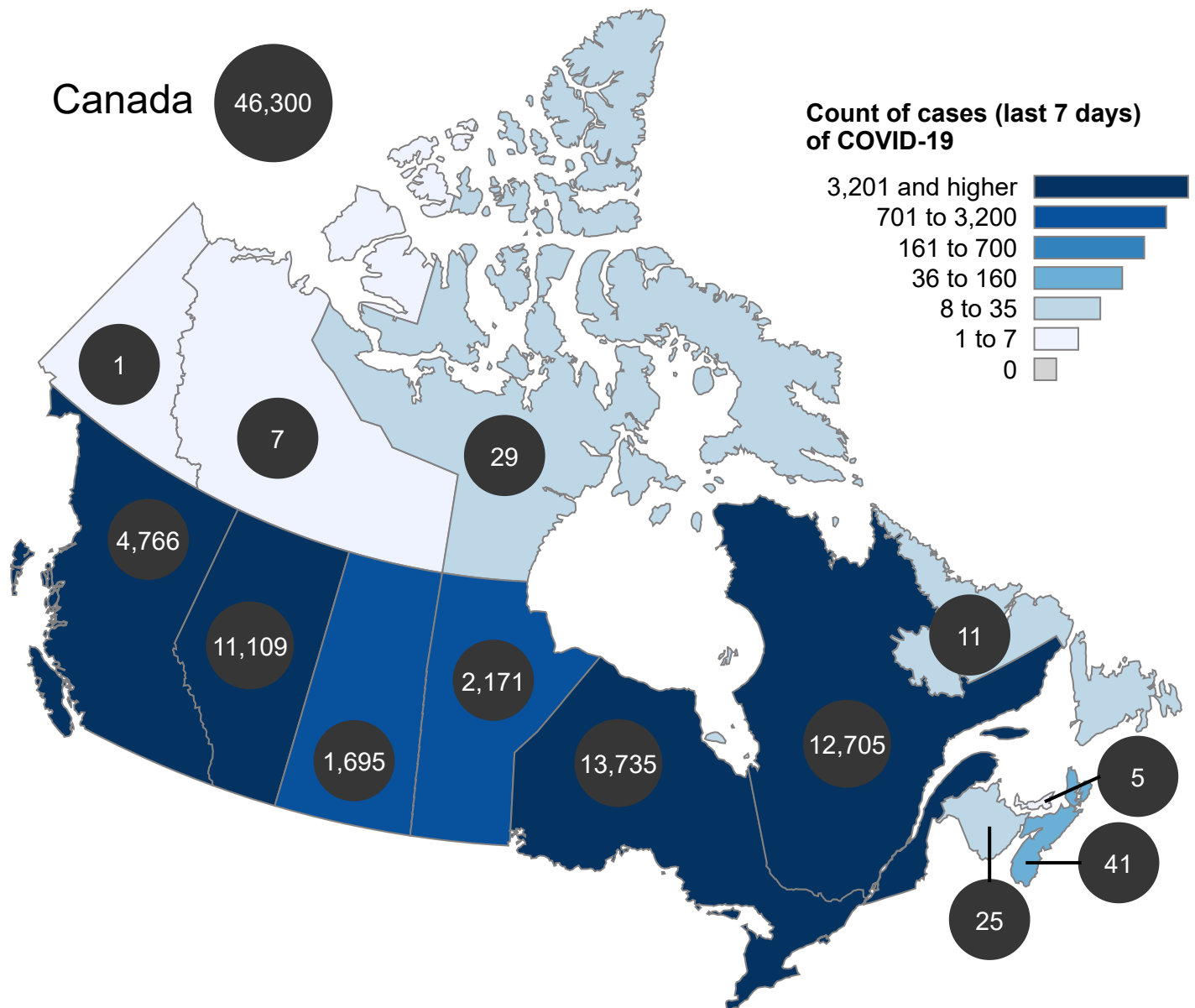
Deaths today	Total deaths
140	13,799

Tested today	Total tested	Percent positive (total)	People tested per 1 million
64,919	12,756,869	3.7%	339,375

- This page will be updated once per day in the evening at 7:00PM Eastern Time.
- The majority of cases (65.5%) and deaths (84.4%) have been reported by Ontario and Quebec.
- Of the jurisdictions reporting updates (n=12), no new cases have been reported in 3 provinces or territories within the past 24 hours.
- Of the jurisdictions reporting updates (n=12), no new deaths have been reported in 7 provinces or territories within the past 24 hours.

Current situation

Figure 1a. of of COVID-19 in Canada as of December 16, 2020



The count of cases (last 7 days) of COVID-19 in **Canada** was **46,300** as of December 16, 2020.

* As of November 4, the methodology used in Quebec's analysis to count the number of people tested has been updated, causing a decrease in the number of people tested. On October 30, the total number of cases for Quebec includes 952 new cases in addition to 156 cases that were retrospectively added over the course of the epidemic as a result of an update to their data. Also note that on July 17, there was an increase in the number of recovered cases in Quebec due to a revision in how they define these cases.

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

This information is based on data from our provincial and territorial partners. It is current as of December 16, 2020, 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 December 16, 2020

Location	Total cases		Cases last 7 days		Active cases		Recovered	Deaths		Deaths last 7 days		Tested	
	Count	Rate*	Count	Rate*	Count	Rate*	Count	Count	Rate*	Count	Rate*	Count	Rate†
Canada	481,630	1,281	46,300	123	75,885	202	391,946	13,799	37	816	2	12,756,869	339,375
British Columbia	44,103	870	4,766	94	11,035	218	32,376	692	14	133	3	866,132	170,790
Alberta	84,597	1,935	11,109	254	20,169	461	63,668	760	17	107	2	1,547,298	353,966
Saskatchewan	12,594	1,072	1,695	144	4,213	359	8,283	98	8	27	2	286,679	244,094
Manitoba	21,826	1,594	2,171	159	5,797	423	15,506	523	38	85	6	384,964	281,105
Ontario	146,535	1,006	13,735	94	17,084	117	125,416	4,035	28	199	1	6,876,041	472,043
Quebec	169,173	1,994	12,705	150	17,392	205	144,168§	7,613	90	264	3	2,359,553	278,086
Newfoundland and Labrador	364	70	11	2	23	4	337	4	1	0	0	68,326	131,008
New Brunswick	567	73	25	3	52	7	507	8	1	1	0	110,544	142,302
Nova Scotia	1,430	147	41	4	55	6	1,310	65	7	0	0	164,699	169,549
Prince Edward Island	89	57	5	3	16	10	73	0	0	0	0	74,161	472,523
Yukon	59	144	1	2	1	2	57	1	2	0	0	5,790	141,724
Northwest Territories	22	49	7	16	7	16	15	0	0	0	0	7,552	168,474
Nunavut	258	665	29	75	41	106	217	0	0	0	0	5,054	130,325

§ As of November 4, the methodology used in Quebec's analysis to count the number of people tested has been updated, causing a decrease in the number of people tested. On October 30, the total number of cases for Quebec includes 952 new cases in addition to 156 cases that were retrospectively added over the course of the epidemic as a result of an update to their data. Also note that on July 17, there was an increase in the number of recovered cases in Quebec due to a revision in how they define these cases.

‡ No data is available for this day, and so the most recently available data is displayed.

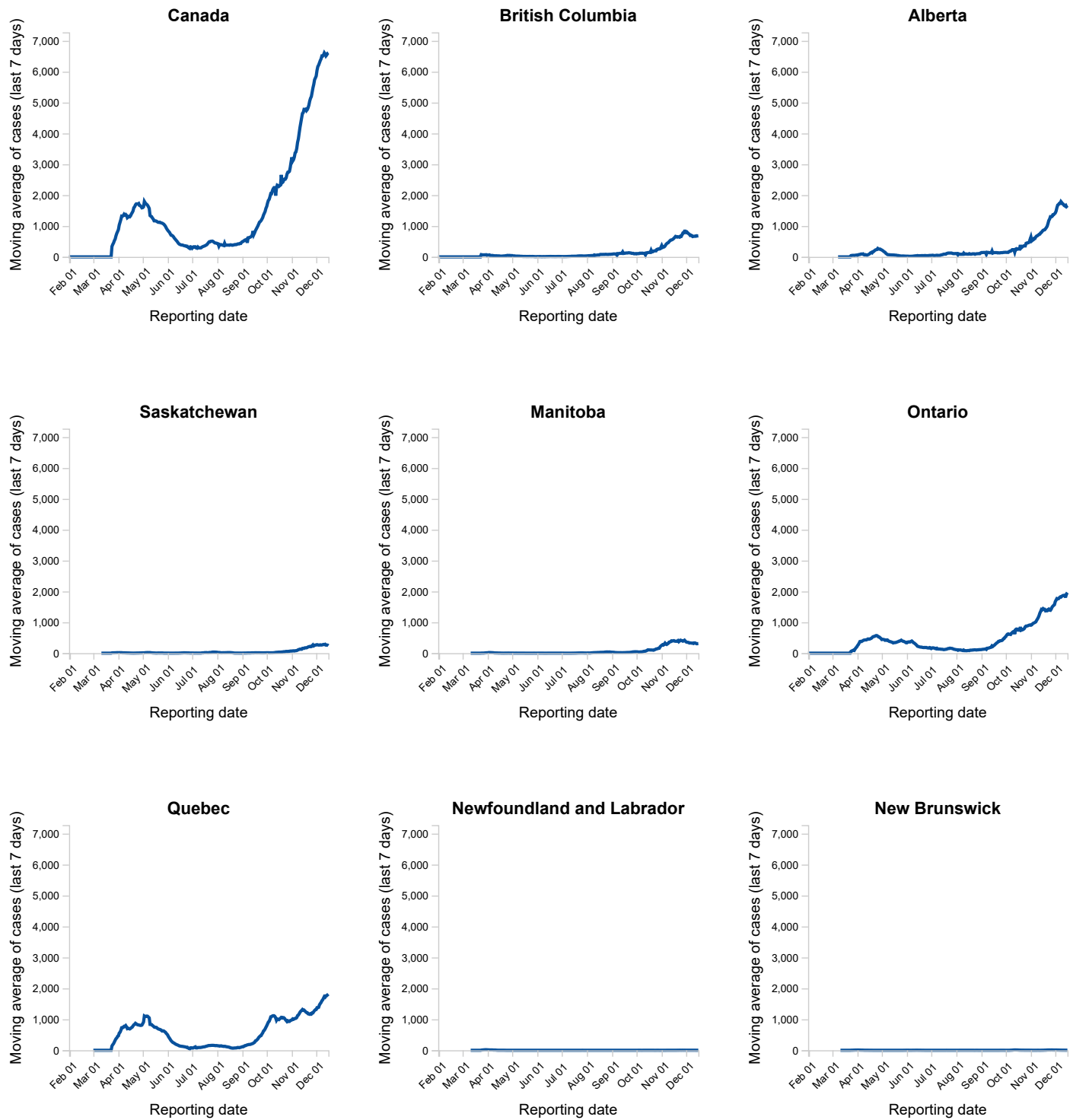
† Rate per 1,000,000 population

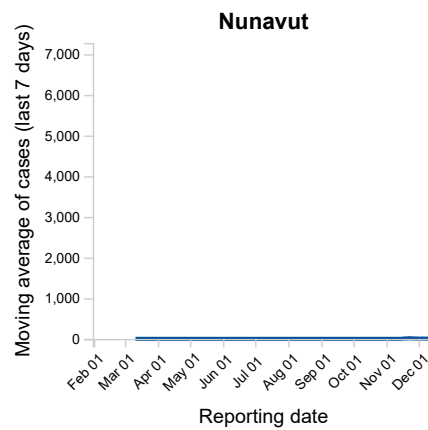
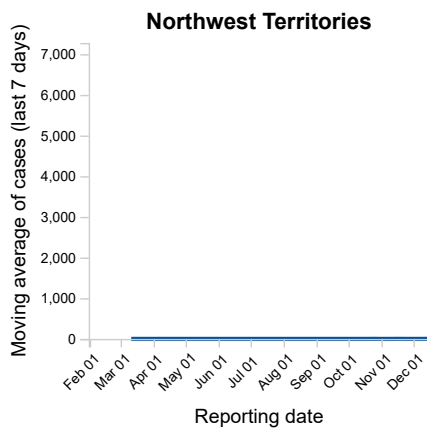
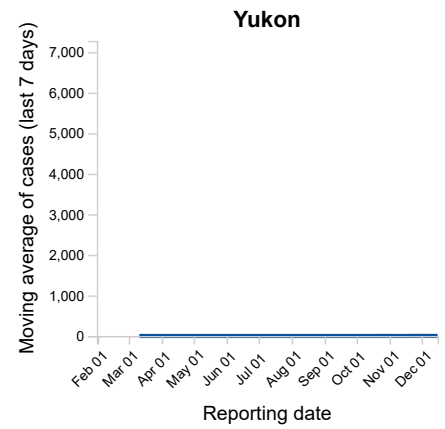
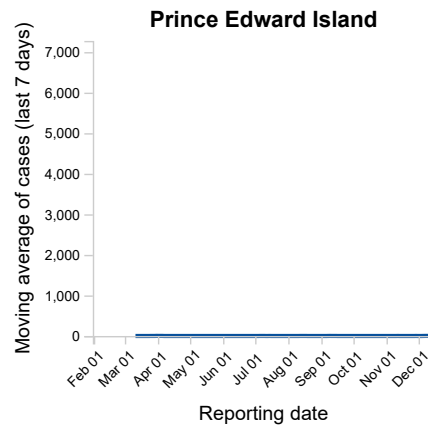
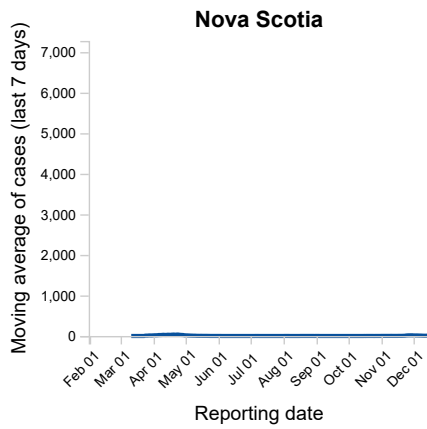
* Rate per 100,000 population

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

Figure 1b. Moving average of cases (last 7 days) of COVID-19 in Canada as of December 16, 2020

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

Over **12,756,869** people have been tested for COVID-19 in Canada. This corresponds to a test rate of **339,375 per 1 million people**. Of all people tested, **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 people tested, by location in Canada as of December 16, 2020, 7 pm EST

Location	New cases	New deaths	Number of people tested
Canada	6,416	140	64,919
British Columbia	640	24	N/A
Alberta	1,270	16	N/A
Saskatchewan	162	0	1,109
Manitoba	291	15	2,478
Ontario	2,139	43	47,580
Quebec	1,897	42	9,999
Newfoundland and Labrador	5	0	582
New Brunswick	8	0	567
Nova Scotia	4	0	1,583
Prince Edward Island	N/A	N/A	939
Yukon	0	0	17
Northwest Territories	0	0	44
Nunavut	0	0	21

* The new cases, deaths and tests 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.

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

Tables and figures included below reflect only 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.

Epidemic curve

Detailed case report data were provided on 428,469 cases; episode date was available for 418,471 (97.7%) cases, and both exposure and episode date were available for 318,520 (74.3%) 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 when a person becomes ill and when their information is reported to the Public Health Agency of Canada, as 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 will be provided as it becomes available.

Figure 2. COVID-19 cases (n=418,471 ¹) in Canada by date of illness onset ² as of December 16, 2020, 7 pm EST (total cases)

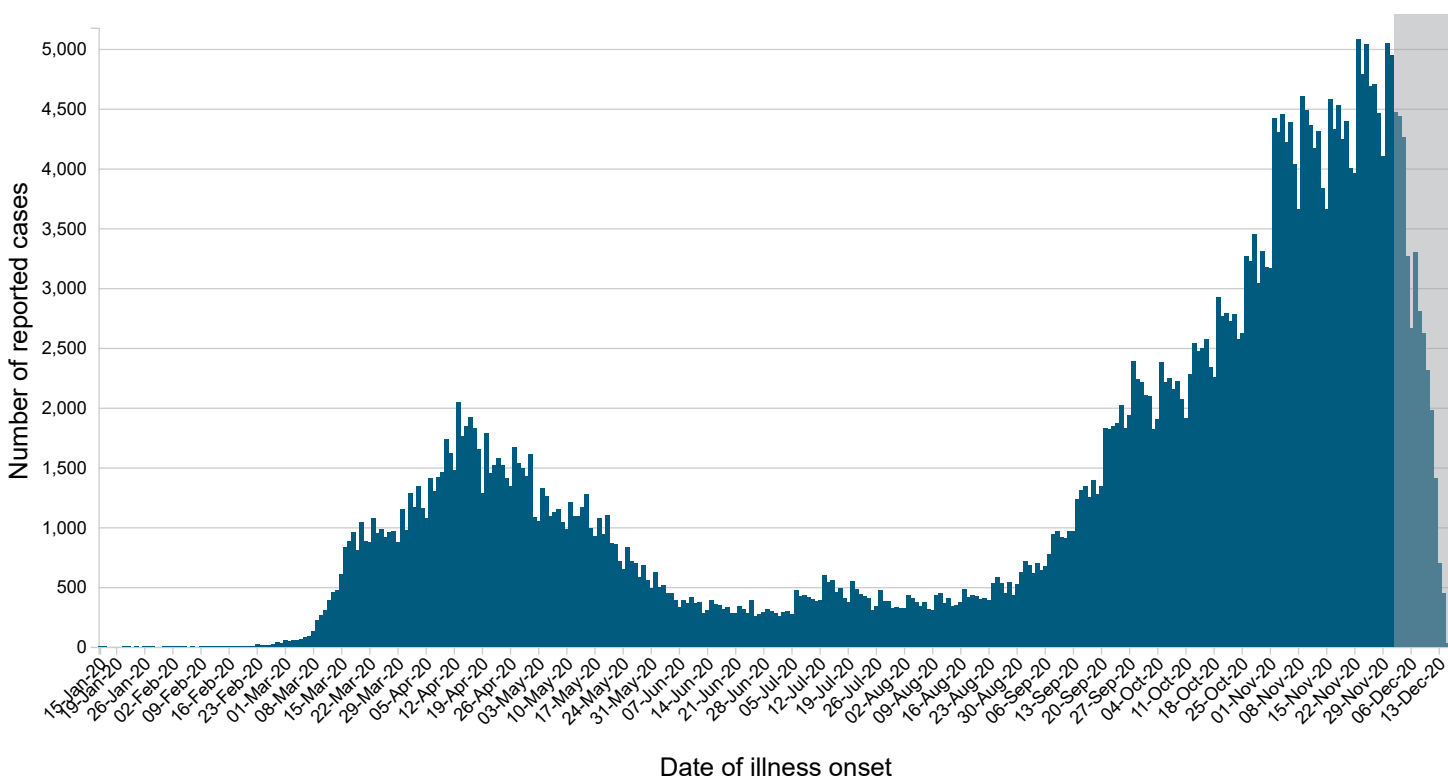


Figure 2. COVID-19 cases (n=318,520 ¹) in Canada by date of illness onset ² as of December 16, 2020, 7 pm EST (by exposure)

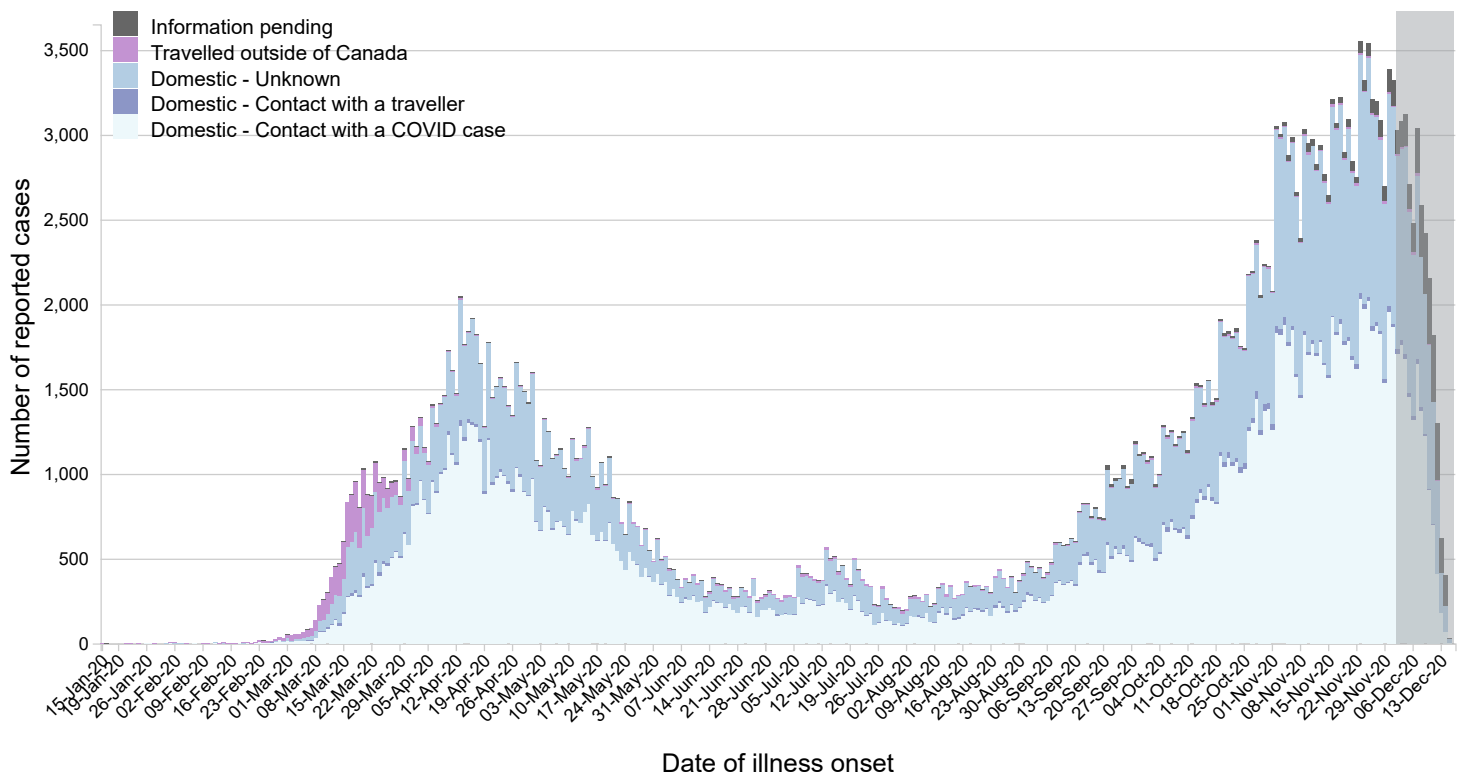


Figure 2. COVID-19 cases (n=418,357 ¹) in Canada by date of illness onset ² as of December 16, 2020, 7 pm EST (by age - 10 year groups)

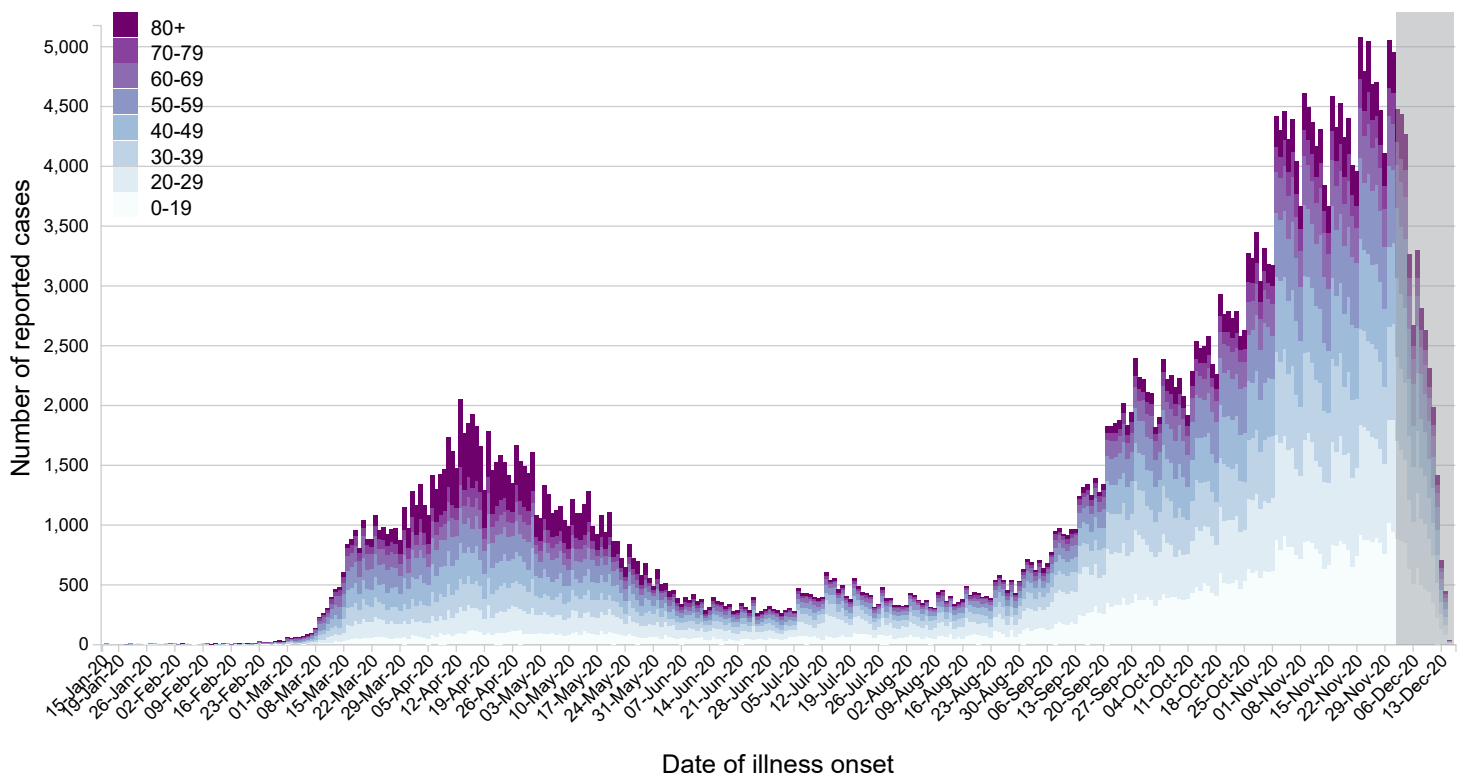
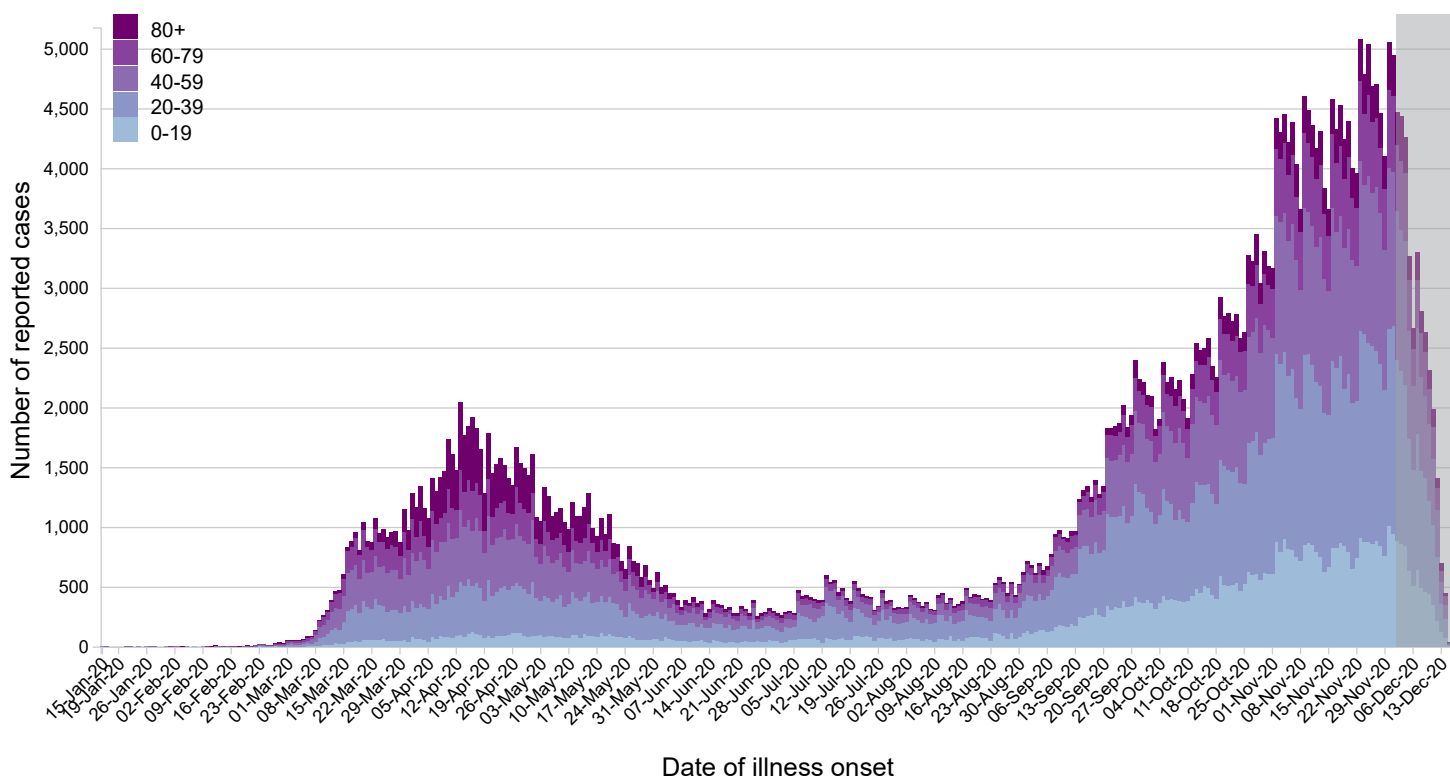


Figure 2. COVID-19 cases (n=418,357 ¹) in Canada by date of illness onset ² as of December 16, 2020, 7 pm EST (by age - 20 year groups)



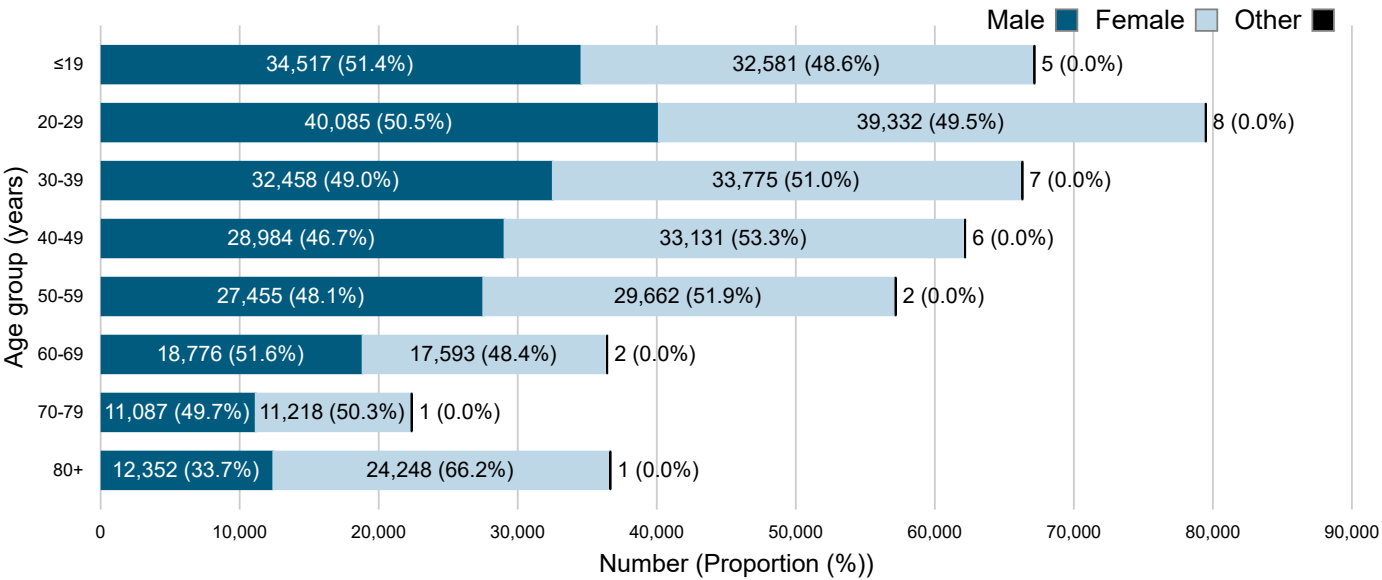
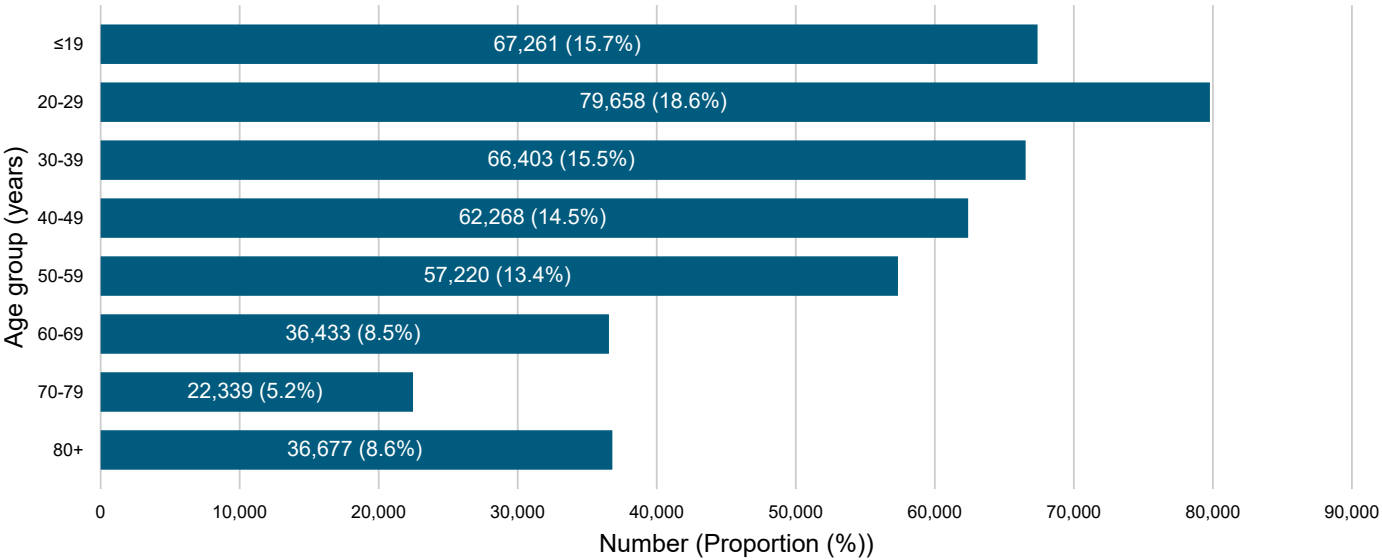
Data note: The shaded area represents a period of time (lag time) where it is expected that cases have occurred but have not yet been reported nationally.

Demographics

Detailed case report data were provided on 428,469 cases; age information was available for 428,259 (100.0%) cases, and both age and sex were available for 427,286 (99.7%) cases.

Of the COVID-19 cases reported in Canada to date, approximately half (51.9%) are female. Approximately one-quarter (22.3%) of cases are 60 years old and over (Figure 3).

Figure 3. **Age** distribution of COVID-19 cases (n=428,259¹) in Canada as of December 16, 2020, 7 pm EST ³



Age by sex ³ distribution of COVID-19 cases (n=428,259 ¹) in Canada, December 16, 2020, 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	67,261 (15.7%)	34,517 (16.8%)	32,581 (14.7%)	5 (15.6%)
20-29	79,658 (18.6%)	40,085 (19.5%)	39,332 (17.8%)	8 (25.0%)
30-39	66,403 (15.5%)	32,458 (15.8%)	33,775 (15.2%)	7 (21.9%)
40-49	62,268 (14.5%)	28,984 (14.1%)	33,131 (15.0%)	6 (18.8%)
50-59	57,220 (13.4%)	27,455 (13.3%)	29,662 (13.4%)	2 (6.3%)
60-69	36,433 (8.5%)	18,776 (9.1%)	17,593 (7.9%)	2 (6.3%)
70-79	22,339 (5.2%)	11,087 (5.4%)	11,218 (5.1%)	1 (3.1%)
80+	36,677 (8.6%)	12,352 (6.0%)	24,248 (10.9%)	1 (3.1%)

Exposure setting

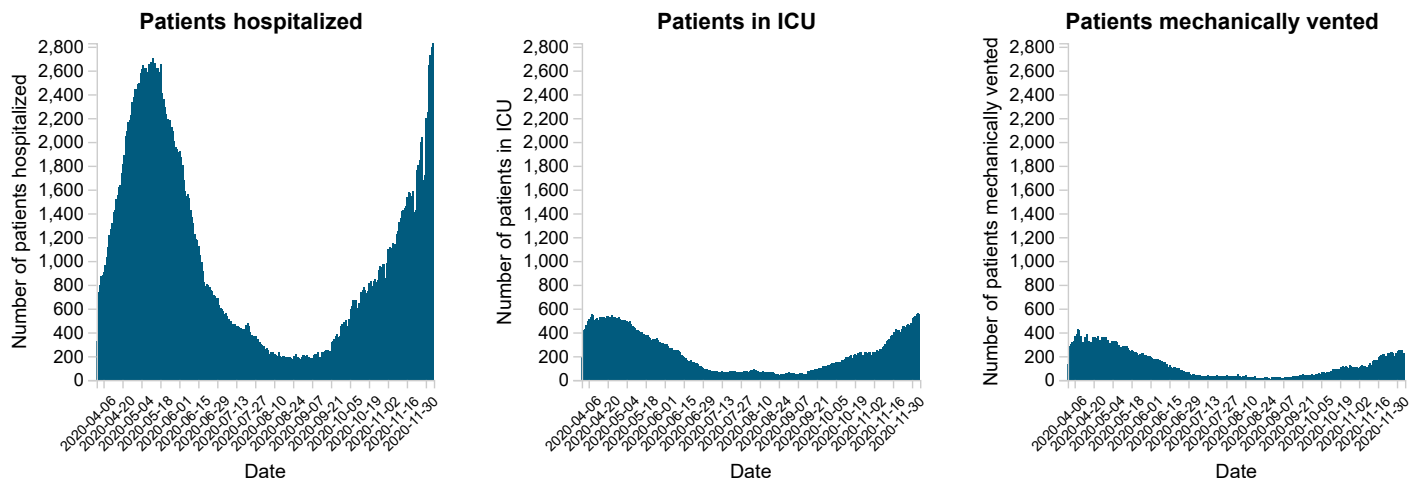
In Canada ▼, detailed case report data were provided on 428,469 cases; exposure history was available for 324,623 (75.8%) cases. The probable exposure setting of these reported cases ¹ are:

- domestic acquisition (defined as any exposure that occurred within Canada): **312,995 (96.4%)**
 - from contact with a COVID case: **191,813 (59.1%)**
 - from contact with a traveller: **3,308 (1.0%)**
 - from an unknown source: **117,874 (36.3%)**
- currently unknown (information pending): **5,617 (1.7%)**
- travelled outside of Canada: **6,011 (1.9%)**

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 December 5, 2020



Between November 28, 2020 and December 5, 2020:

- The number of **hospital beds** occupied by COVID-19 patients **increased** from **1,677** to **2,830** beds.
- The number of **ICU beds** occupied by COVID-19 patients **increased** from **454** to **552** beds.
- The number of **COVID-19 patients who were mechanically vented** increased from **201** to **219** beds.

Hospitalizations To Date

Detailed case report data were provided on 428,469 cases; hospitalization status information was available for 321,244 (75.0%) of these cases:

- **26,629 cases (8.3%)** were hospitalized, of whom:
 - **5,135 (19.3%)** were admitted to the ICU
 - **1,066 (4.0%)** required mechanical ventilation

Detailed case report forms have been received from provinces and territories for **13,417** deaths related to COVID-19.

Figure 5a. Age and gender ³ distribution of COVID-19 cases hospitalized in Canada as of December 16, 2020, 7 pm EST (n=26,606 ¹)

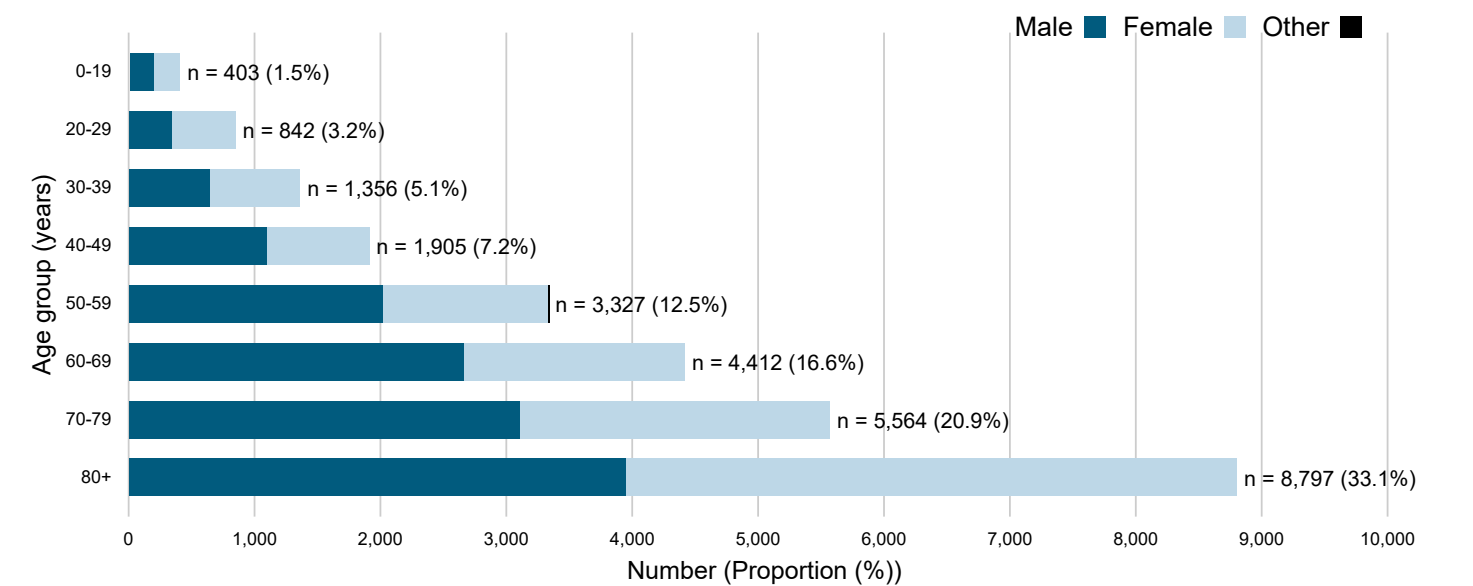


Figure 5b. Age and gender ³ distribution of COVID-19 cases admitted to ICU in Canada as of December 16, 2020, 7 pm EST (n=5,131 ¹)

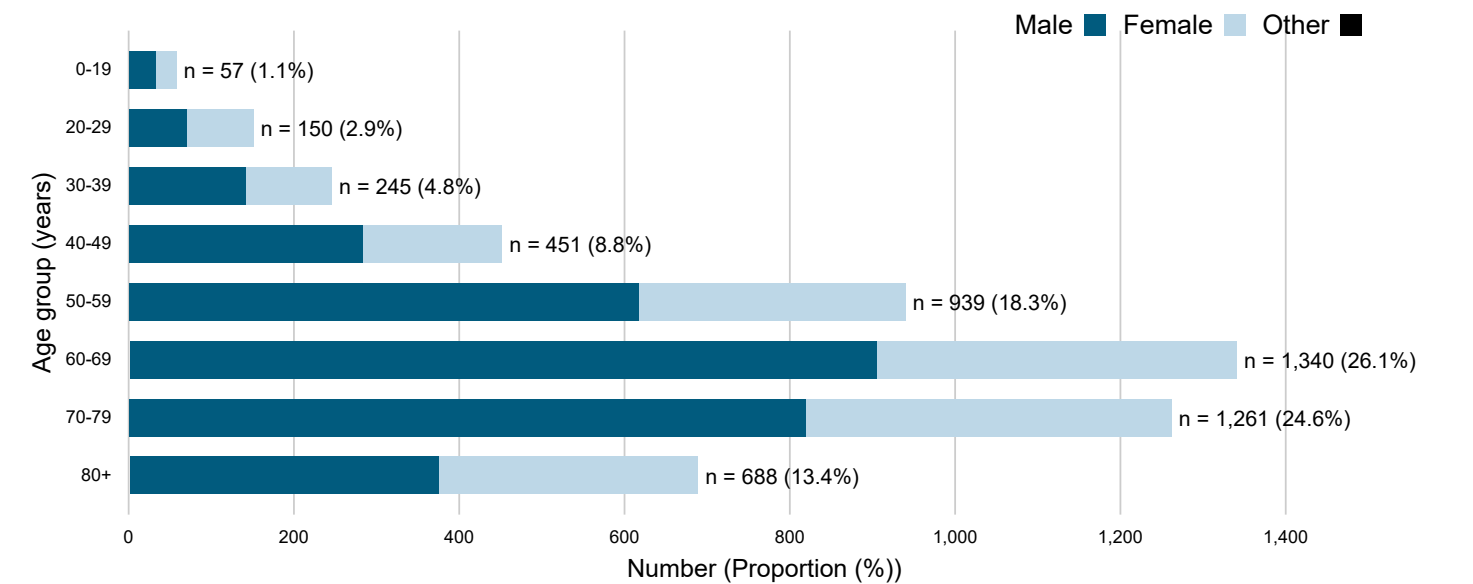
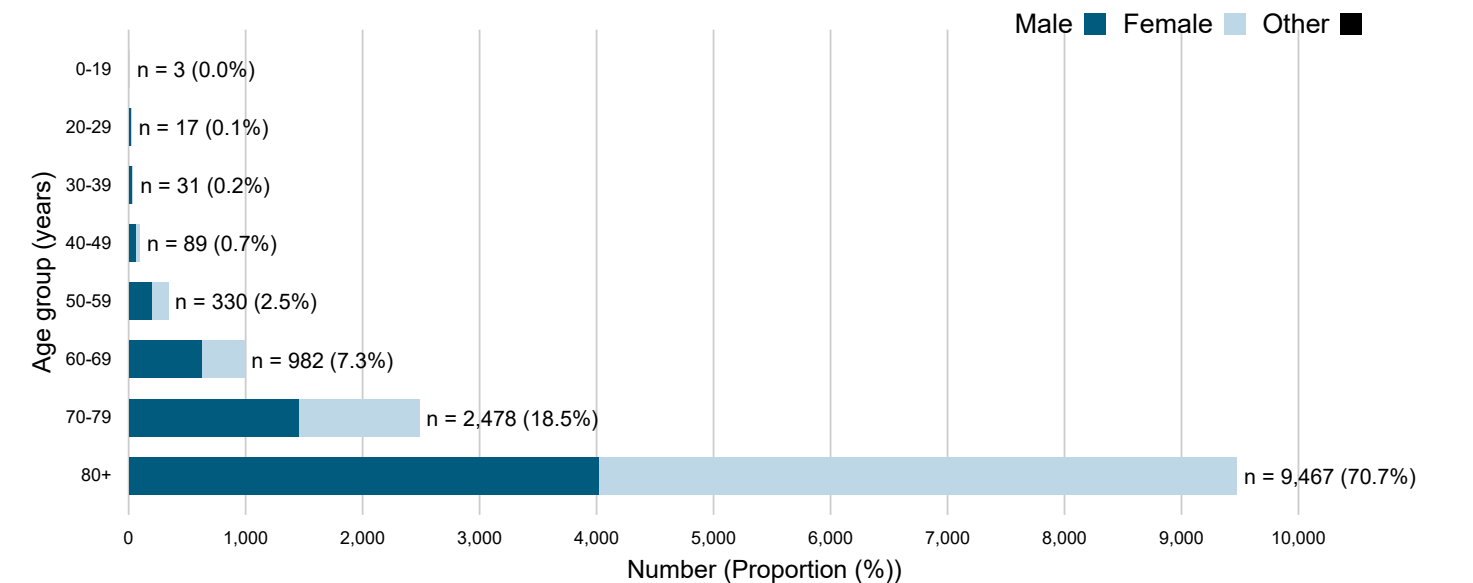


Figure 5c. Age and gender ³ distribution of COVID-19 cases deceased in Canada as of December 16, 2020, 7 pm EST (n=13,397 ¹)



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 ³ distribution of COVID-19 cases hospitalized in Canada as of December 16, 2020, 7 pm EST (n=26,606 ¹)

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)
0-19	403 (1.5%)	198 (0.7%)	205 (0.8%)	0 (0.0%)
20-29	842 (3.2%)	340 (1.3%)	502 (1.9%)	0 (0.0%)
30-39	1,356 (5.1%)	645 (2.4%)	711 (2.7%)	0 (0.0%)
40-49	1,905 (7.2%)	1,090 (4.1%)	815 (3.1%)	0 (0.0%)
50-59	3,327 (12.5%)	2,013 (7.6%)	1,313 (4.9%)	1 (0.0%)
60-69	4,412 (16.6%)	2,661 (10.0%)	1,751 (6.6%)	0 (0.0%)
70-79	5,564 (20.9%)	3,105 (11.7%)	2,459 (9.2%)	0 (0.0%)
80+	8,797 (33.1%)	3,947 (14.8%)	4,850 (18.2%)	0 (0.0%)

Age and gender ³ distribution of COVID-19 cases admitted to ICU in Canada as of December 16, 2020, 7 pm EST (n=5,131 ¹)

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)
0-19	57 (1.1%)	32 (0.6%)	25 (0.5%)	0 (0.0%)
20-29	150 (2.9%)	69 (1.3%)	81 (1.6%)	0 (0.0%)
30-39	245 (4.8%)	141 (2.7%)	104 (2.0%)	0 (0.0%)
40-49	451 (8.8%)	283 (5.5%)	168 (3.3%)	0 (0.0%)
50-59	939 (18.3%)	616 (12.0%)	323 (6.3%)	0 (0.0%)
60-69	1,340 (26.1%)	905 (17.6%)	435 (8.5%)	0 (0.0%)
70-79	1,261 (24.6%)	819 (16.0%)	442 (8.6%)	0 (0.0%)
80+	688 (13.4%)	375 (7.3%)	313 (6.1%)	0 (0.0%)

Age and gender ³ distribution of COVID-19 cases deceased in Canada as of December 16, 2020, 7 pm EST (n=13,397 ¹)

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)
0-19	3 (0.0%)	2 (0.0%)	1 (0.0%)	0 (0.0%)
20-29	17 (0.1%)	10 (0.1%)	7 (0.1%)	0 (0.0%)
30-39	31 (0.2%)	23 (0.2%)	8 (0.1%)	0 (0.0%)
40-49	89 (0.7%)	58 (0.4%)	31 (0.2%)	0 (0.0%)
50-59	330 (2.5%)	192 (1.4%)	138 (1.0%)	0 (0.0%)
60-69	982 (7.3%)	617 (4.6%)	365 (2.7%)	0 (0.0%)
70-79	2,478 (18.5%)	1,451 (10.8%)	1,027 (7.7%)	0 (0.0%)
80+	9,467 (70.7%)	4,014 (30.0%)	5,453 (40.7%)	0 (0.0%)

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](#)

-
- 1 This figure is based on cases for which a case report form has been received by the Public Health Agency of Canada from provincial/territorial partners.
 - 2 If date of illness onset was not available, the earliest of the following dates was used as an estimate: Specimen Collection Date and Laboratory Testing Date.
 - 3 Provinces and territories may define sex differently and some may be referring to biological sex.
-

Date modified:

2020-12-16