



Coronavirus disease 2019 (COVID-19): Epidemiology update

Updated: December 27, 2020, 7 pm EST

Key updates as of December 27, 2020, 7 pm EST

Cases today Total cases

5,520 552,020

Active cases Total recovered

79,863 457,193

Deaths today Total deaths

65 14,964

Tested today

95,240

Total tested

13,438,585

Percent positive (total)

3.9%

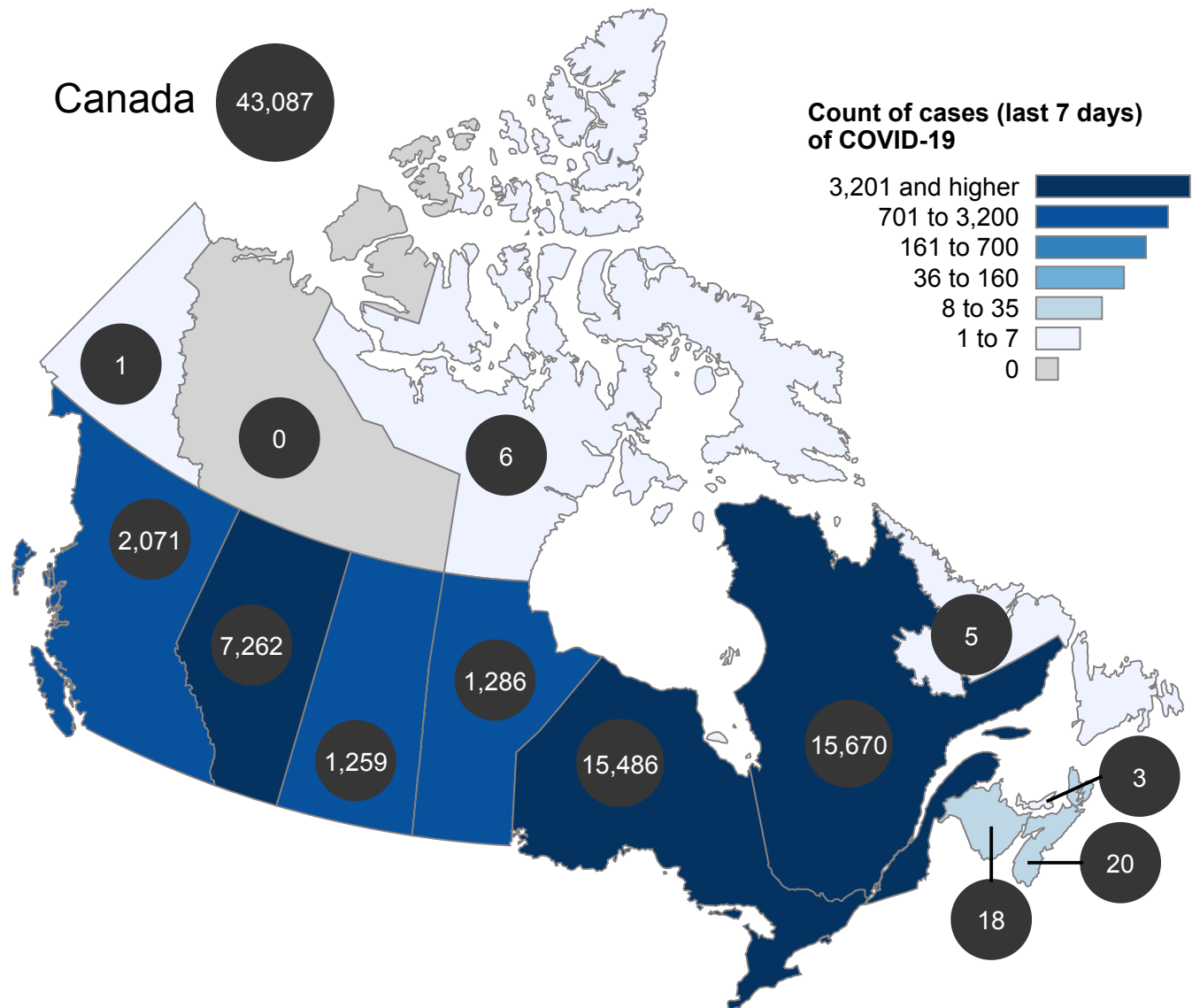
People tested per 1 million

357,511

- 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 starting December 18, 2020: Epidemic curve, Demographics, Exposure setting and Hospitalizations, intensive care unit (ICU), mechanical ventilation and deaths.
- The majority of cases (66.0%) and deaths (82.9%) have been reported by Ontario and Quebec.
- Of the jurisdictions reporting updates (n=7), no new cases have been reported in 0 provinces or territories within the past 24 hours.
- Of the jurisdictions reporting updates (n=6), no new deaths have been reported in 2 provinces or territories within the past 24 hours.

Current situation

Figure 1a. of of COVID-19, by as of December 27, 2020



The count of cases (last 7 days) of COVID-19 in **Canada** was **43,087** as of December 27, 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 27, 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 27, 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 | 552,020 | 1,469 | 43,087 | 115 | 79,863 | 212 | 457,193 | 14,964 | 40 | 700 | 2 | 13,438,585 | 357,511 |
| British Columbia | 48,609 | 959 | 2,071 | 41 | 10,017 | 198 | 37,784 | 808 | 16 | 48 | 1 | 939,137 | 185,185 |
| Alberta | 97,481 | 2,230 | 7,262 | 166 | 21,521 | 492 | 75,070 | 890 | 20 | 39 | 1 | 1,547,298 | 353,966 |
| Saskatchewan | 14,814 | 1,261 | 1,259 | 107 | 3,398 | 289 | 11,275 | 141 | 12 | 23 | 2 | 299,693 | 255,175 |
| Manitoba | 24,145 | 1,763 | 1,286 | 94 | 4,488 | 328 | 19,012 | 645 | 47 | 76 | 6 | 401,437 | 293,134 |
| Ontario | 171,416 | 1,177 | 15,486 | 106 | 19,861 | 136 | 147,178 | 4,377 | 30 | 227 | 2 | 7,344,277 | 504,188 |
| Quebec | 192,655 | 2,271 | 15,670 | 185 | 20,469 | 241 | 164,163§ | 8,023 | 95 | 287 | 3 | 2,448,998 | 288,628 |
| Newfoundland and Labrador | 387 | 74 | 5 | 1 | 24 | 5 | 359 | 4 | 1 | 0 | 0 | 71,708 | 137,492 |
| New Brunswick | 592 | 76 | 18 | 2 | 35 | 5 | 549 | 8 | 1 | 0 | 0 | 114,175 | 146,976 |
| Nova Scotia | 1,465 | 151 | 20 | 2 | 36 | 4 | 1,364 | 65 | 7 | 0 | 0 | 174,523 | 179,662 |
| Prince Edward Island | 94 | 60 | 3 | 2 | 5 | 3 | 89 | 0 | 0 | 0 | 0 | 78,303 | 498,914 |
| Yukon | 60 | 147 | 1 | 2 | 0 | 0 | 59 | 1 | 2 | 0 | 0 | 5,887 | 144,098 |
| Northwest Territories | 24 | 54 | 0 | 0 | 1 | 2 | 23 | 0 | 0 | 0 | 0 | 7,740 | 172,668 |
| Nunavut | 265 | 683 | 6 | 15 | 8 | 21 | 255 | 2 | 5 | 0 | 0 | 5,333 | 137,519 |

§ 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.

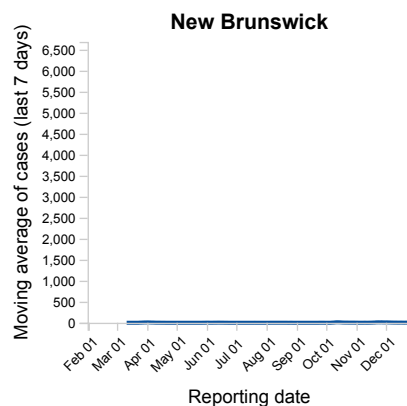
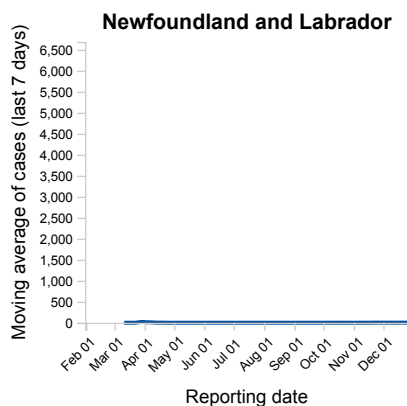
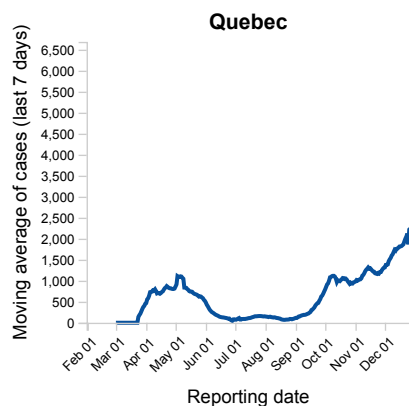
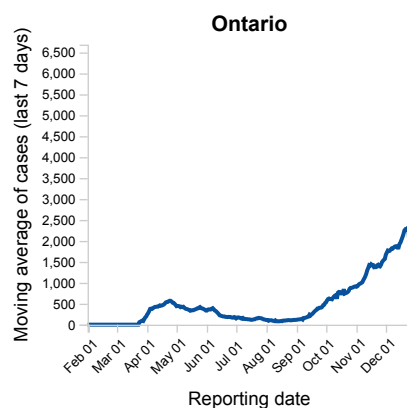
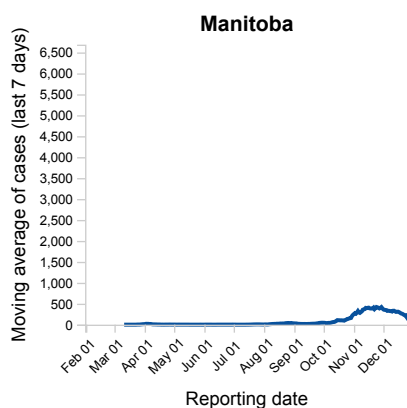
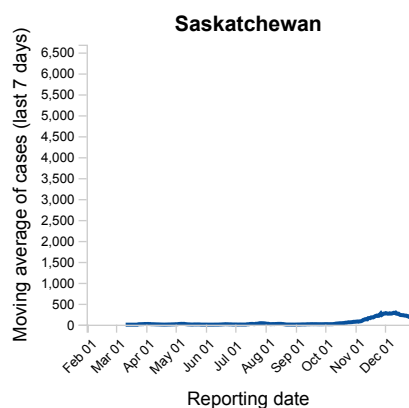
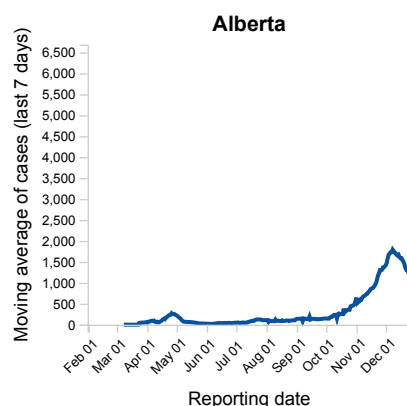
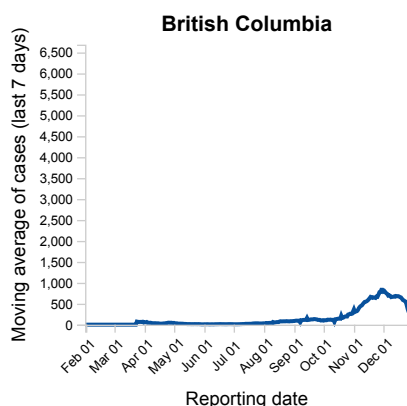
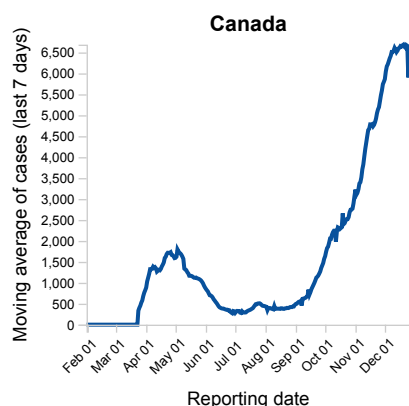
‡ No data is available for this day, and so the most recently available data is displayed.

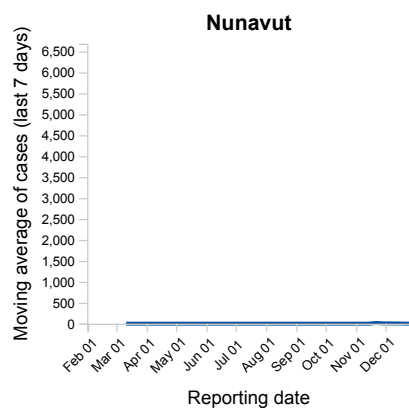
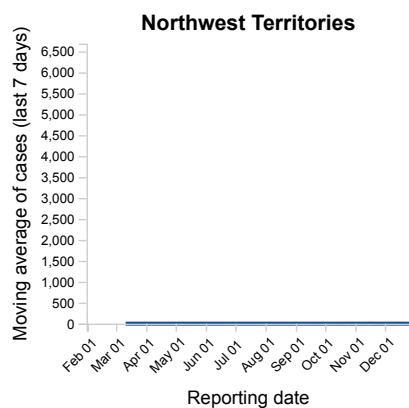
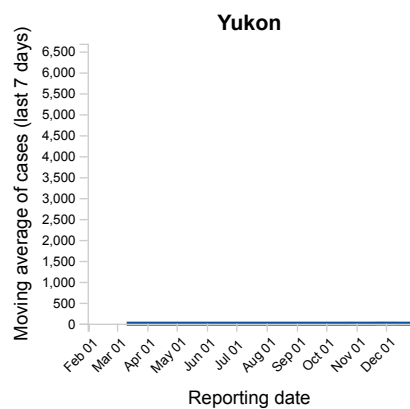
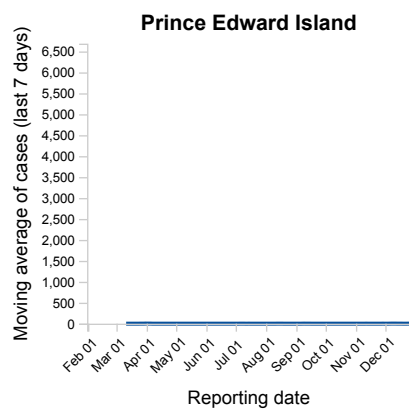
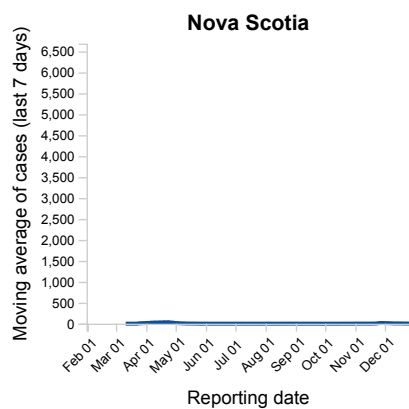
† Rate per 1,000,000 population

* Rate per 100,000 population

Figure 1b. **Moving average** of **cases (last 7 days)** of COVID-19 in Canada as of December 27, 2020, 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

Over **13,438,585** people have been tested for COVID-19 in Canada. This corresponds to a test rate of **357,511 per 1 million people**. Of all people tested, **3.9%** 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 27, 2020, 7 pm EST

| Location | New cases | New deaths | Number of people tested |
|---------------------------|--------------|------------|-------------------------|
| Canada | 5,520 | 65 | 95,240 |
| British Columbia | N/A | N/A | 9,393 |
| Alberta | 500 | N/A | N/A |
| Saskatchewan | 198 | 7 | 3,729 |
| Manitoba | 521 | 28 | 2,059 |
| Ontario | 2,005 | 18 | 62,479 |
| Quebec | 2,291 | 12 | 12,235 |
| Newfoundland and Labrador | 3 | 0 | 696 |
| New Brunswick | 2 | 0 | 899 |
| Nova Scotia | N/A | N/A | 2,572 |
| Prince Edward Island | N/A | N/A | 1,154 |
| Yukon | N/A | N/A | 9 |
| Northwest Territories | N/A | N/A | 15 |
| Nunavut | N/A | N/A | N/A |

* 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.

Updated : December 18, 2020, 7 pm EST

Epidemic curve

As of December 18, 2020, 7 pm EST, the Public Health Agency of Canada has received detailed case report data on 436,878 cases; episode date was available for 426,762 (97.7%) cases, and both exposure and episode date were available for 326,786 (74.8%) 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=426,762 ¹) in Canada by date of illness onset ² as of December 18, 2020, 7 pm EST (total cases)

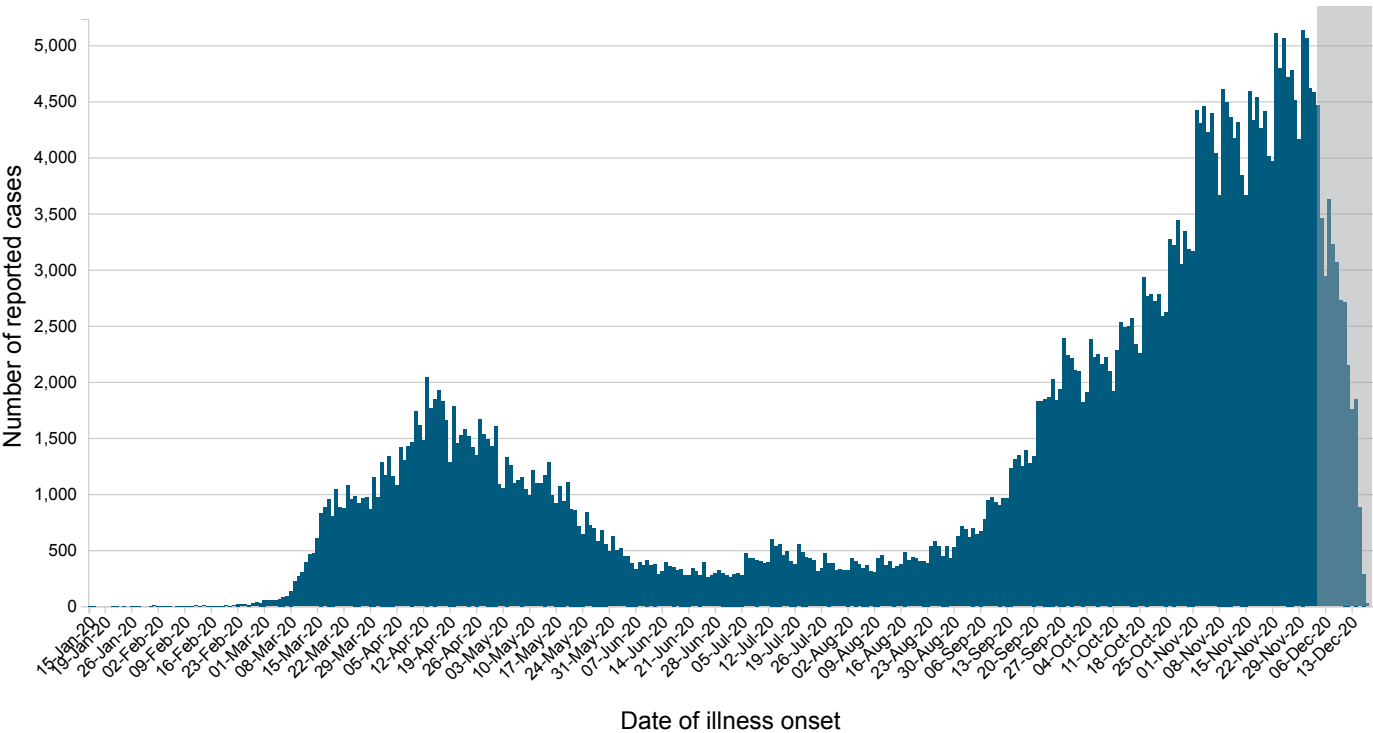


Figure 2. COVID-19 cases (n=326,786 ¹) in Canada by date of illness onset ² as of December 18, 2020, 7 pm EST (by exposure)

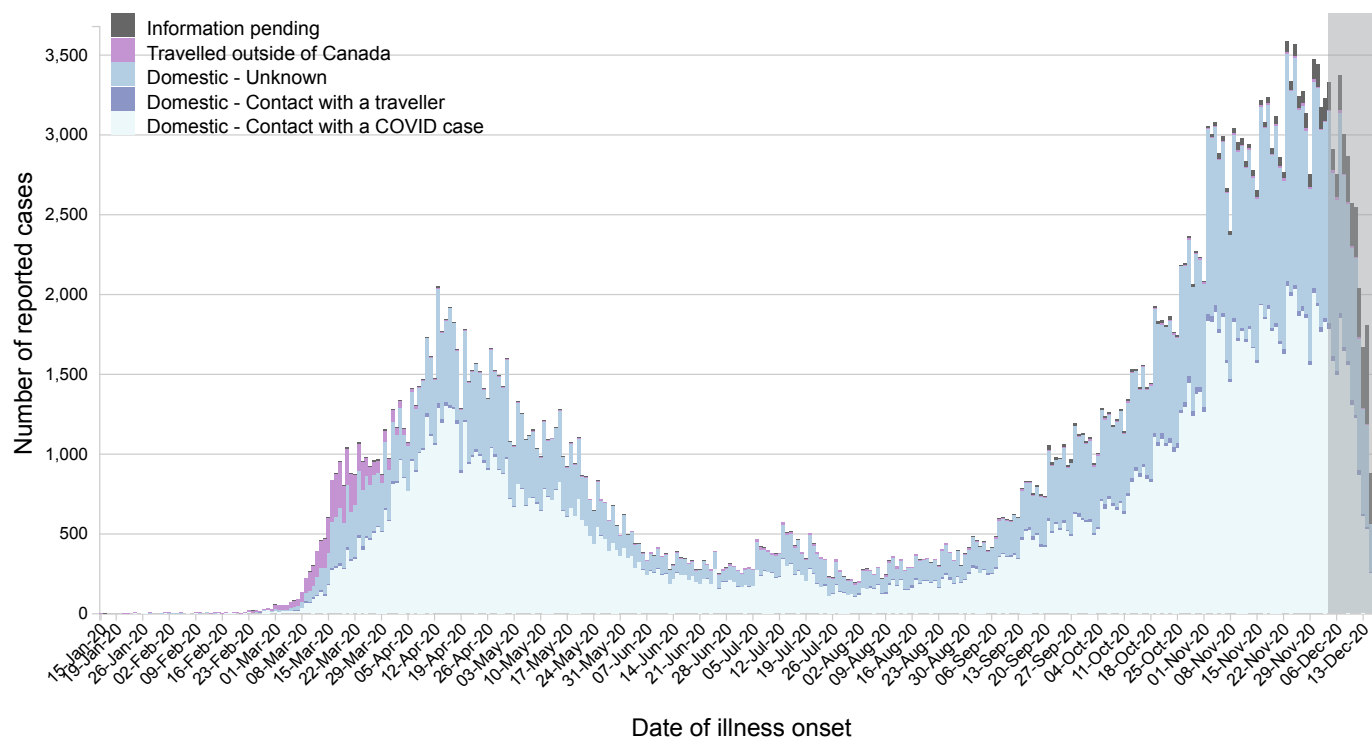


Figure 2. COVID-19 cases (n=426,643¹) in Canada by date of illness onset² as of December 18, 2020, 7 pm EST (by age - 10 year groups)

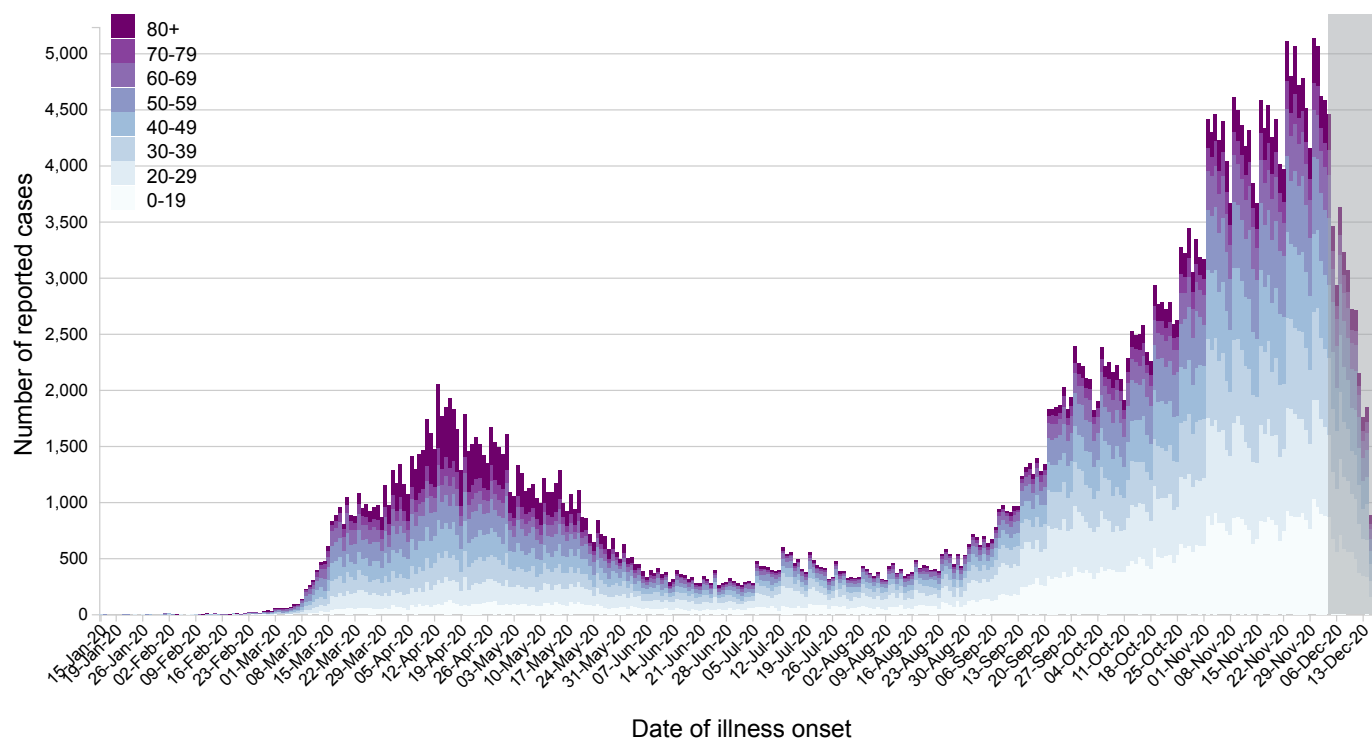
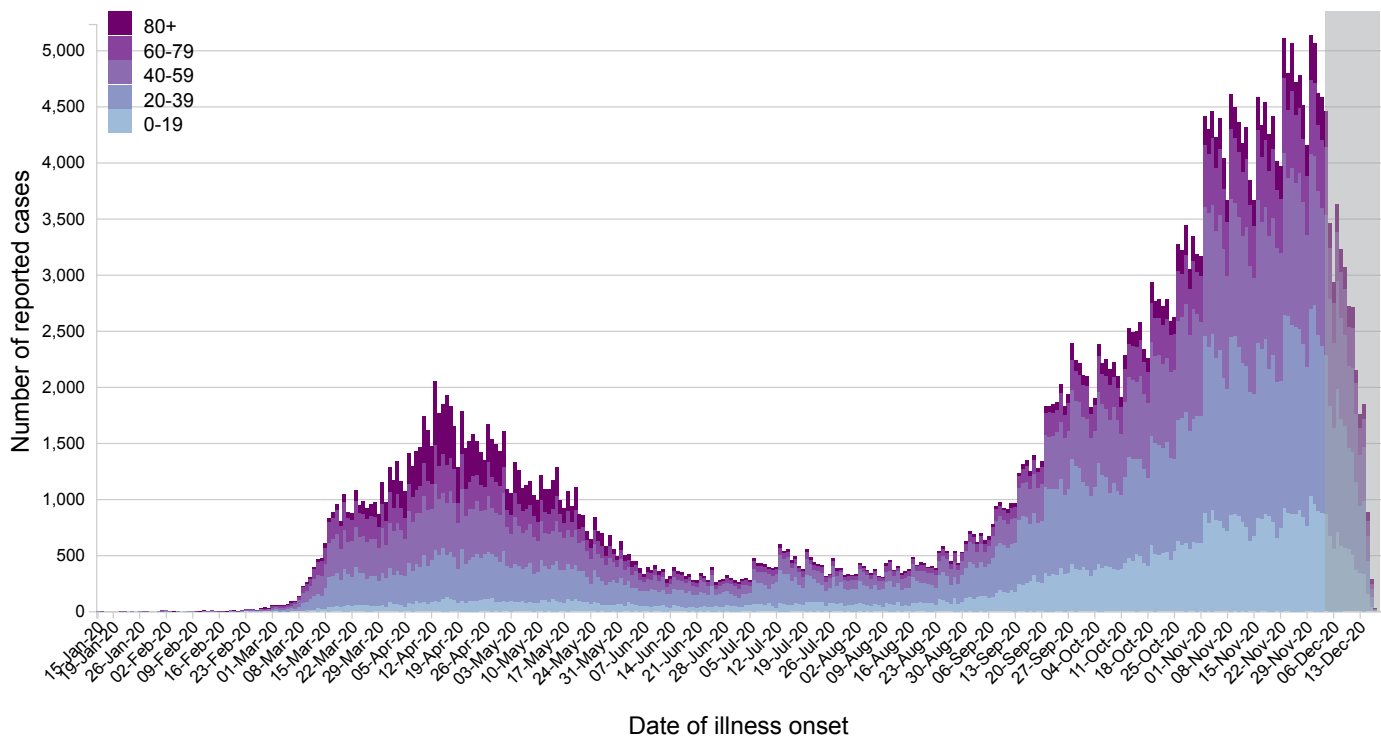


Figure 2. COVID-19 cases (n=426,643 ¹) in Canada by date of illness onset ² as of December 18, 2020, 7 pm EST (by age - 20 year groups)



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.

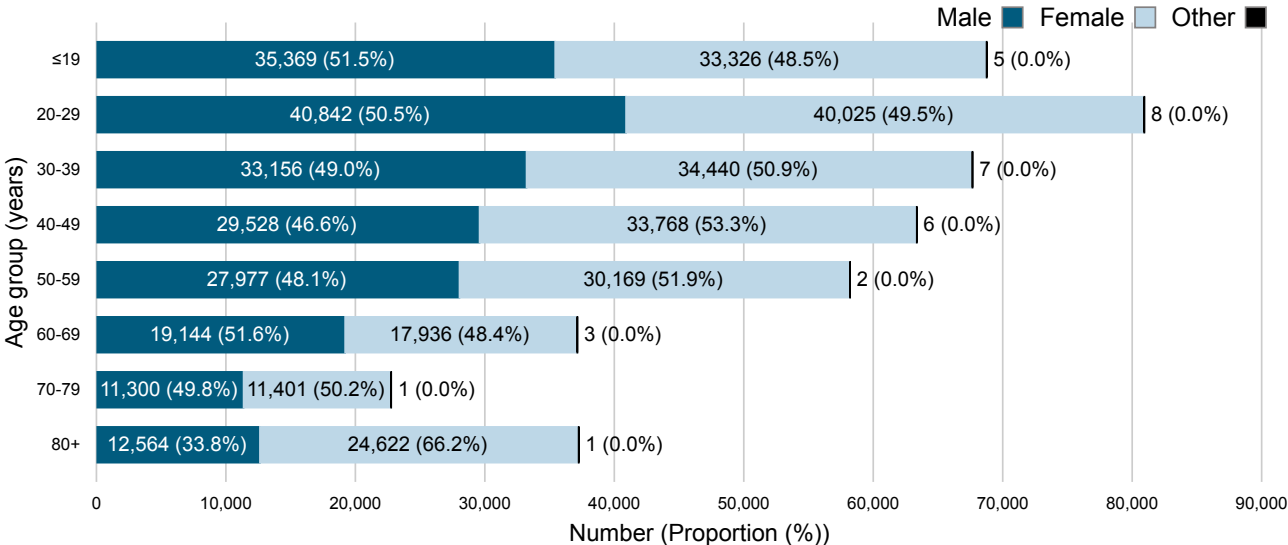
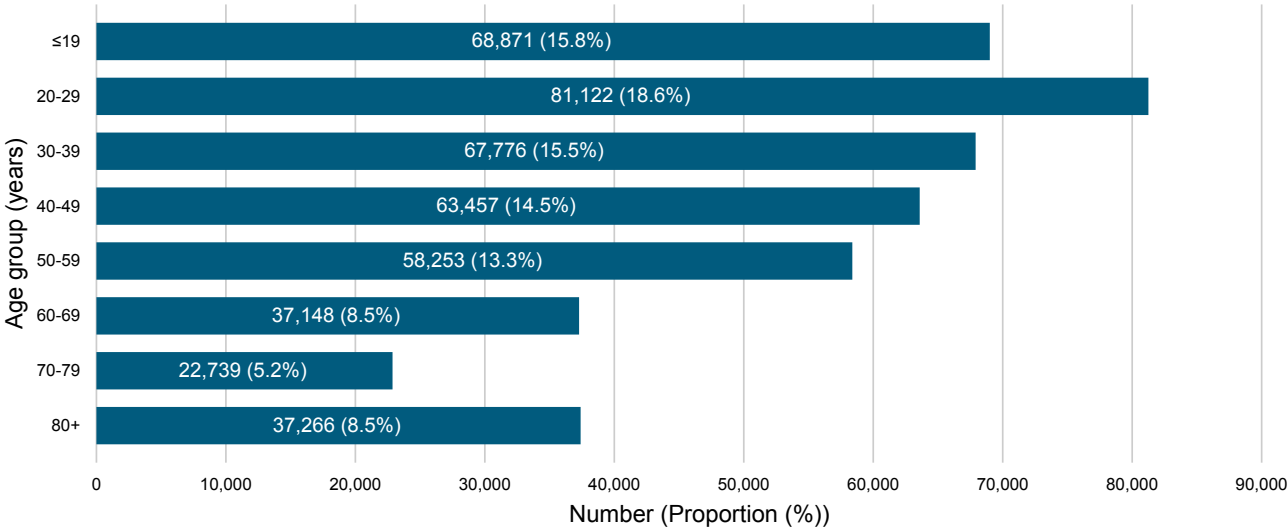
Demographics

Detailed case report data were provided on 436,878 cases; age information was available for 436,632 (99.9%) cases, and both age and sex were available for 435,600 (99.7%) cases.

Of the COVID-19 cases reported in Canada to date, approximately half (51.8%) 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=436,632 ¹) in Canada as of December 18, 2020, 7 pm EST ³



Age by sex ³ distribution of COVID-19 cases (n=436,632 ¹) in Canada, December 18, 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 | 68,871 (15.8%) | 35,369 (16.9%) | 33,326 (14.8%) | 5 (15.2%) |
| 20-29 | 81,122 (18.6%) | 40,842 (19.5%) | 40,025 (17.7%) | 8 (24.2%) |
| 30-39 | 67,776 (15.5%) | 33,156 (15.8%) | 34,440 (15.3%) | 7 (21.2%) |
| 40-49 | 63,457 (14.5%) | 29,528 (14.1%) | 33,768 (15.0%) | 6 (18.2%) |
| 50-59 | 58,253 (13.3%) | 27,977 (13.3%) | 30,169 (13.4%) | 2 (6.1%) |
| 60-69 | 37,148 (8.5%) | 19,144 (9.1%) | 17,936 (7.9%) | 3 (9.1%) |
| 70-79 | 22,739 (5.2%) | 11,300 (5.4%) | 11,401 (5.1%) | 1 (3.0%) |
| 80+ | 37,266 (8.5%) | 12,564 (6.0%) | 24,622 (10.9%) | 1 (3.0%) |

Exposure setting

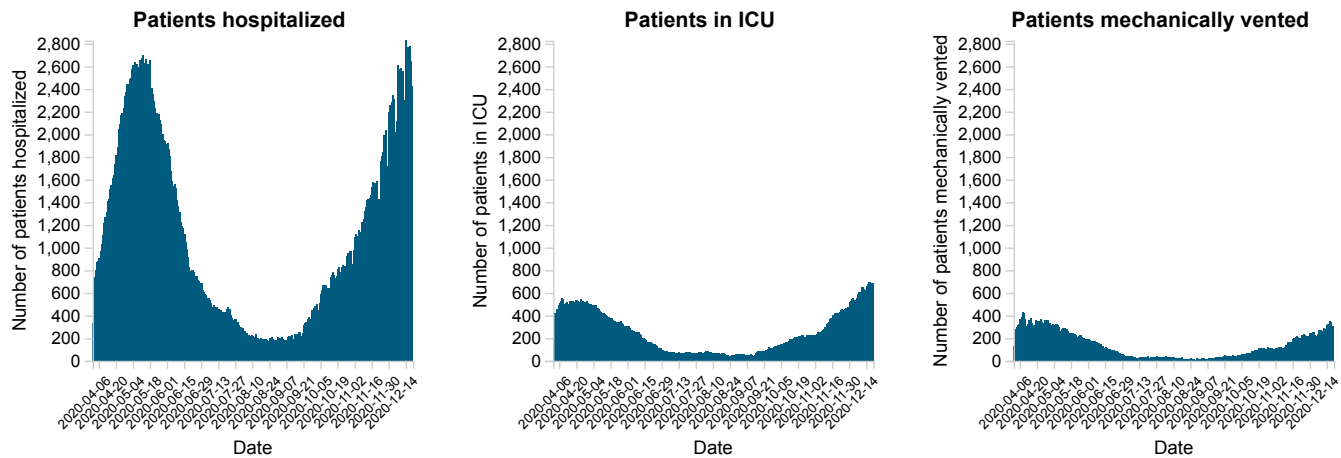
In , detailed case report data were provided on 436,878 cases; exposure history was available for 333,040 (76.2%) cases. The probable exposure setting of these reported cases ¹ are:

- domestic acquisition (defined as any exposure that occurred within Canada): **320,871 (96.3%)**
 - from contact with a COVID case: **196,258 (58.9%)**
 - from contact with a traveller: **3,445 (1.0%)**
 - from an unknown source: **121,168 (36.4%)**
- currently unknown (information pending): **6,101 (1.8%)**
- travelled outside of Canada: **6,068 (1.8%)**

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 19, 2020



Between December 12, 2020 and December 19, 2020:

- The number of **hospital beds** occupied by COVID-19 patients **increased** from **2,188** to **2,426** beds.
- The number of **ICU beds** occupied by COVID-19 patients **increased** from **632** to **683** beds.
- The number of **COVID-19 patients who were mechanically vented** **increased** from **262** to **303** beds.

Hospitalizations To Date

Detailed case report data were provided on 436,878 cases; hospitalization status information was available for 325,191 (74.4%) of these cases:

- **27,298 cases (8.4%)** were hospitalized, of whom:
 - **5,262 (19.3%)** were admitted to the ICU
 - **1,066 (3.9%)** required mechanical ventilation

Detailed case report forms have been received from provinces and territories for **13,599** deaths related to COVID-19.

Figure 5a. Age and gender ³ distribution of COVID-19 cases hospitalized in Canada as of December 18, 2020, 7 pm EST (n=27,274 ¹)

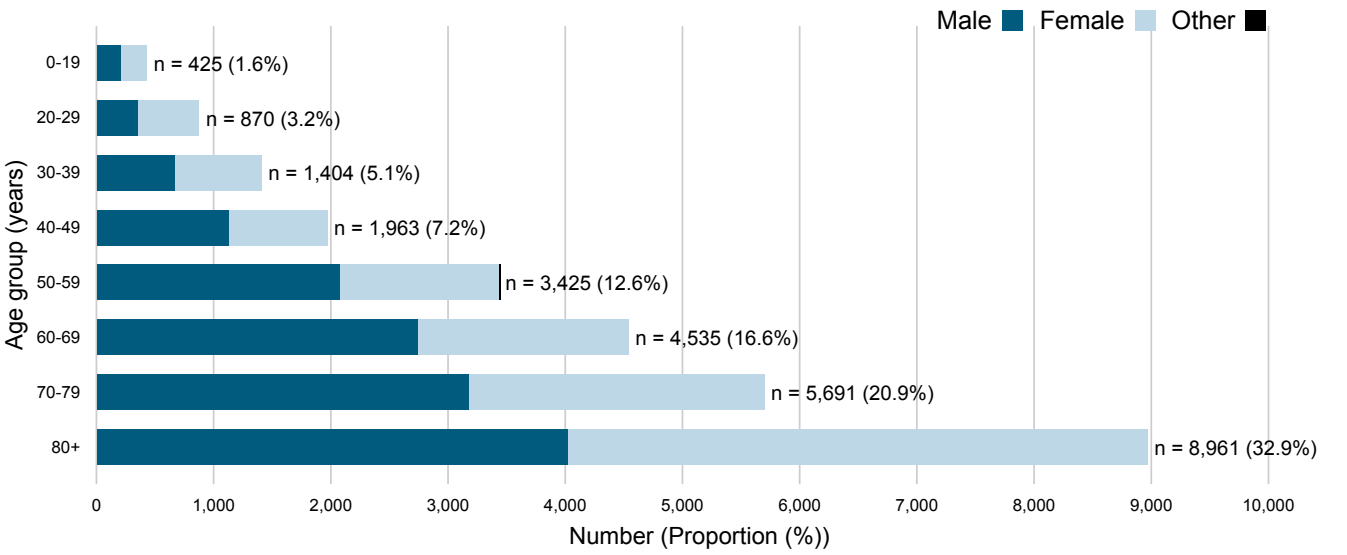


Figure 5b. Age and gender ³ distribution of COVID-19 cases admitted to ICU in Canada as of December 18, 2020, 7 pm EST (n=5,258 ¹)

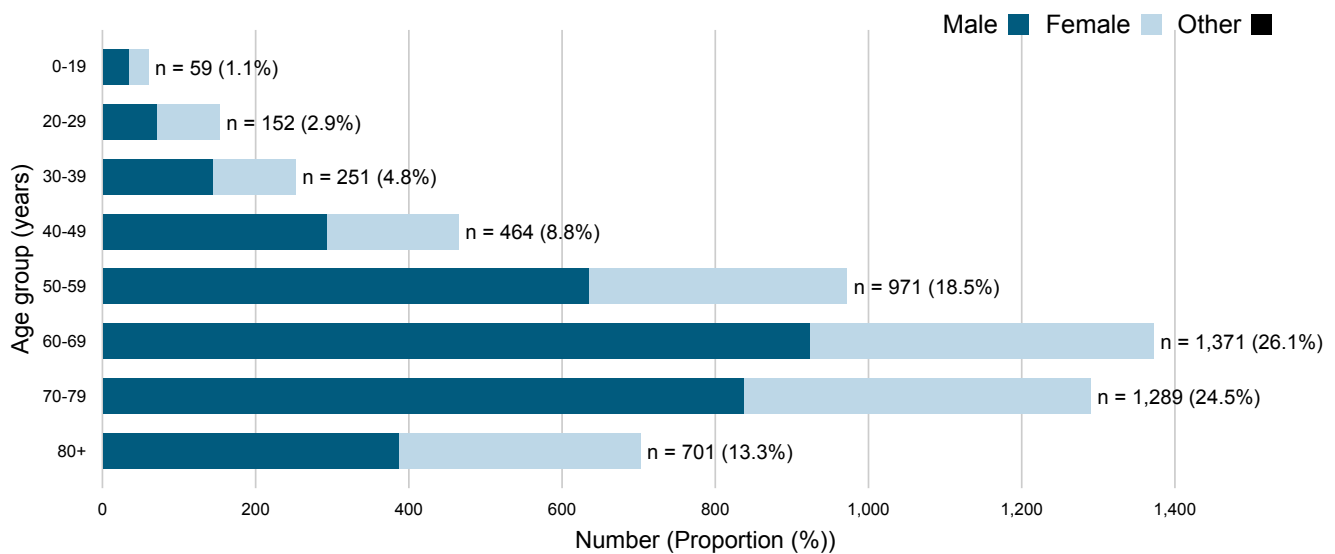
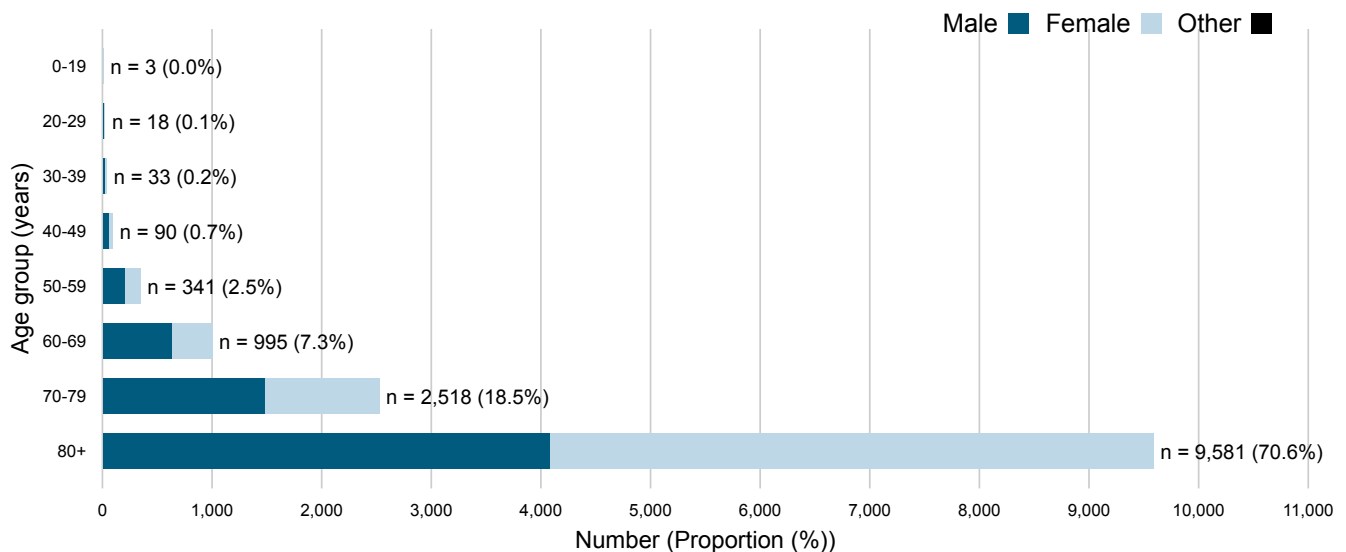


Figure 5c. Age and gender ³ distribution of COVID-19 cases deceased in Canada as of December 18, 2020, 7 pm EST (n=13,579 ¹)



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 gender³ distribution of COVID-19 cases hospitalized in Canada as of December 18, 2020, 7 pm EST (n=27,274¹)

| 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 | 425 (1.6%) | 204 (0.7%) | 221 (0.8%) | 0 (0.0%) |
| 20-29 | 870 (3.2%) | 353 (1.3%) | 517 (1.9%) | 0 (0.0%) |
| 30-39 | 1,404 (5.1%) | 668 (2.4%) | 736 (2.7%) | 0 (0.0%) |
| 40-49 | 1,963 (7.2%) | 1,122 (4.1%) | 841 (3.1%) | 0 (0.0%) |
| 50-59 | 3,425 (12.6%) | 2,073 (7.6%) | 1,351 (5.0%) | 1 (0.0%) |
| 60-69 | 4,535 (16.6%) | 2,737 (10.0%) | 1,798 (6.6%) | 0 (0.0%) |
| 70-79 | 5,691 (20.9%) | 3,174 (11.6%) | 2,517 (9.2%) | 0 (0.0%) |
| 80+ | 8,961 (32.9%) | 4,020 (14.7%) | 4,941 (18.1%) | 0 (0.0%) |

Age and gender³ distribution of COVID-19 cases admitted to ICU in Canada as of December 18, 2020, 7 pm EST (n=5,258¹)

| 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 | 59 (1.1%) | 33 (0.6%) | 26 (0.5%) | 0 (0.0%) |
| 20-29 | 152 (2.9%) | 70 (1.3%) | 82 (1.6%) | 0 (0.0%) |
| 30-39 | 251 (4.8%) | 143 (2.7%) | 108 (2.1%) | 0 (0.0%) |
| 40-49 | 464 (8.8%) | 292 (5.6%) | 172 (3.3%) | 0 (0.0%) |
| 50-59 | 971 (18.5%) | 635 (12.1%) | 336 (6.4%) | 0 (0.0%) |
| 60-69 | 1,371 (26.1%) | 922 (17.5%) | 449 (8.5%) | 0 (0.0%) |
| 70-79 | 1,289 (24.5%) | 837 (15.9%) | 452 (8.6%) | 0 (0.0%) |
| 80+ | 701 (13.3%) | 386 (7.3%) | 315 (6.0%) | 0 (0.0%) |

Age and gender³ distribution of COVID-19 cases deceased in Canada as of December 18, 2020, 7 pm EST (n=13,579¹)

| 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 | 18 (0.1%) | 11 (0.1%) | 7 (0.1%) | 0 (0.0%) |
| 30-39 | 33 (0.2%) | 23 (0.2%) | 10 (0.1%) | 0 (0.0%) |
| 40-49 | 90 (0.7%) | 59 (0.4%) | 31 (0.2%) | 0 (0.0%) |
| 50-59 | 341 (2.5%) | 197 (1.5%) | 144 (1.1%) | 0 (0.0%) |
| 60-69 | 995 (7.3%) | 626 (4.6%) | 369 (2.7%) | 0 (0.0%) |
| 70-79 | 2,518 (18.5%) | 1,477 (10.9%) | 1,041 (7.7%) | 0 (0.0%) |
| 80+ | 9,581 (70.6%) | 4,073 (30.0%) | 5,508 (40.6%) | 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:

2020-12-27