

COVID-19 IN CANADA

CORONAVIRUS DISEASE 2019 (COVID-19) **DAILY EPIDEMIOLOGY UPDATE**

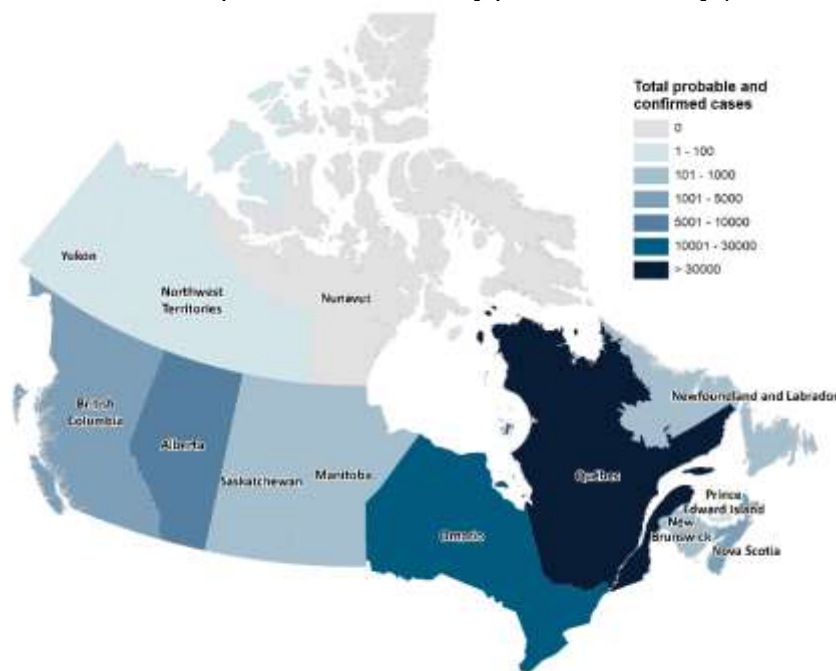
Updated: 24 May 2020, 11:00 ET

84 081 CONFIRMED CASES	43 649 (52%) RECOVERED	6 380 (7.6%) DEATHS
1 189 NEW CASES	38 707 PEOPLE TESTED PER 1 000 000	5.4% PERCENT POSITIVE (CUMULATIVE)

KEY UPDATES

- There is a decreasing trend in the number of newly reported cases.
- The majority of cases (86%) and deaths (94%) continue to be reported from Quebec and Ontario.
- No new cases have been reported in five jurisdictions within the past seven days.
- No new deaths have been reported in nine jurisdictions within the past 24 hours.

Figure 1. Map of COVID-19 cases reported in Canada by province/territory (n=84 068*)



Data source: P/T websites. Map from NML Geomatics

*The total n excludes 13 repatriated travelers.

COVID-19 IN CANADA

NATIONAL OVERVIEW

- In the past 24 hours:
 - Five or fewer cases were reported in Saskatchewan and Nova Scotia.
 - No new cases were reported in Manitoba and New Brunswick.
 - No new deaths were reported in nine jurisdictions.
- For the past seven days:
 - No new cases have been reported in Newfoundland, Prince Edward Island, Yukon, Northwest Territories, and Nunavut.
- The majority of deaths (94%) were reported in Quebec (3 940) and Ontario (2 073).

Table 1. Summary of COVID-19 cases reported in Canada by location as of 24 May 11:00 ET

Location	Total cases	New cases reported in past 24 hours	Recovered	% Recovered	Total deaths	New deaths reported in past 24 hours
BC	2 517	10	2 057	82%	157	2
AB	6 818	18	5 869	86%	135	1
SK	630	3	535	85%	7	0
MB	292	0	268	92%	7	0
ON	25 500	460	19 477	76%	2 073	25
QC	46 838	697	14 044	30%	3 940	75
NL	260	0	254	98%	3	0
NB	121	0	120	99%	0	0
NS	1 049	1	969	92%	58	0
PE	27	0	27	100%	0	0
YK	11	0	11	100%	0	0
NT	5	0	5	100%	0	0
NU	0	0	0	0%	0	0
Total*	84 081	1 189	43 649	52%	6 380	103

* Includes 13 cases identified in repatriated travellers (Grand Princess cruise ship travelers) who were under quarantine in Trenton in March 2020. Update on their status is not available.

PHAC receives detailed case information from provinces and territories. The epidemiology update is based on information received for 41 567 cases. Not all data fields are complete, only cases with data available are included. Data presented are as of 24 May at 11:00 (ET).

COVID-19 IN CANADA

DEMOGRAPHIC DISTRIBUTION

- Thirty-five percent (35%) of cases are 60 years and over.
- The highest proportion of cases are among those aged 40-59 years (32%), followed by those aged 20-39 years (27%); 6% of cases were ≤ 19 years of age.
- Fifty-five percent (55%) of cases are females.

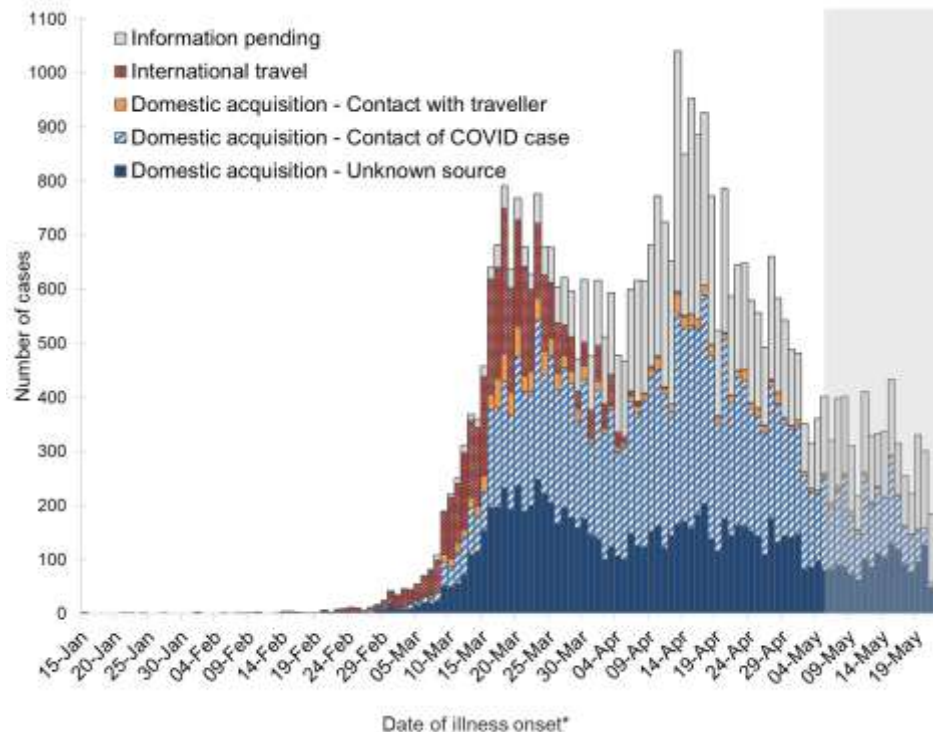
Table 2. Demographic characteristics of COVID-19 cases reported in Canada as of 24 May

Age (in years)		
Median	50	
Range	0-111	
Age groups	n=41 025	
≤ 19	2 333	(6%)
20-39	11 148	(27%)
40-59	13 210	(32%)
60-79	7 946	(19%)
80+	6 388	(16%)
Gender	n=41 268	
Female	22 536	(55%)
Male	18 715	(45%)
Other	17	(<1%)

TEMPORAL DISTRIBUTION BY EXPOSURE CATEGORY

- 3 801 cases (9%) reported having travelled outside of Canada, 26 838 (65%) cases are due to domestic acquisition, and 10 415 (25%) have information pending.

Figure 2. Number of newly reported COVID-19 cases in Canada, by date of illness onset and exposure (n=40 020)



*If date of illness onset was not available, the earliest of the following dates was used as an estimate in the following order: Specimen Collection Date and Laboratory Testing Date.

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.

COVID-19 IN CANADA

LABORATORY TESTING

Over **1 454 966 people** have been tested for COVID-19 in Canada (Table 3). This corresponds to a test rate of **38 707** per million population. The percent positive is **5.4%**, which represents the number of positive tests to the total number of tests undertaken.

Table 3. Summary of COVID-19 testing reported in Canada by location as of 24 May

Location	Total people tested*	New tests since last report	People tested per 1 000 000 pop'n
BC	113 159	1 613	22 313
AB	212 724	3 312	48 664
SK	39 925	366	33 994
MB	37 025	435	27 036
ON	591 377	11 011	40 598
QC	380 061	9 241	44 792
NL	11 285	78	21 638
NB	20 764	201	26 729
NS	39 330	358	40 488
PE	5 482	102	34 929
YK	1 145	0	28 027
NT	1 906	0	42 520
NU	707	9	18 231
Total*	1 454 966	26 726	38 707

‡For provinces and territories which report the number of tests completed, mathematical formula is used to estimate the number of unique people tested. *Includes 76 repatriated travellers tested.

*Notes: Laboratory testing numbers may be underestimated due to reporting delays and may not include additional sentinel surveillance or other testing conducted in the P/T. Due to revisions to the total people tested in NL from May 23rd, the new tests since last report may vary from what is expected.

For the week of May 17 to 23, **151 879** persons were tested and the daily average percent positive over that same period was **4.4%** (Figure 3).

Figure 3. Number of persons tested for COVID-19 and percent positive by week in Canada



Data source: Provided by the NML, who receive lab testing data from provincial labs

COVID-19 IN CANADA

CLINICAL PRESENTATIONS

- Of the **4 212** cases for which the clinical presentation was reported, **562** cases (13%) reported having been clinically or radiologically diagnosed with pneumonia.
- Among those 562 cases, 57% were aged ≥ 60 years, and 41% were aged 60-79 years.
- Those aged ≥ 60 years experienced higher proportions of pre-existing conditions and clinical complications.

Table 4. Clinical presentation* summary of COVID-19 cases reported in Canada as of 24 May

	By Age group		Overall**
	0-59	≥ 60	
Pre-Existing Conditions	n=5 729	n=2 557	n=8 778
Cardiac	290 (5%)	877 (34%)	1 221 (14%)
Respiratory disease	567 (10%)	468 (18%)	1 089 (12%)
Diabetes	291 (5%)	517 (20%)	856 (10%)
Symptoms	n=5 955	n=2 562	n=8 810
Cough	4 265 (72%)	1 776 (69%)	6 448 (73%)
Headache	3 603 (61%)	933 (36%)	4 852 (55%)
Weakness	3 090 (52%)	1 273 (50%)	4 685 (53%)
Fever	2 566 (43%)	1 227 (48%)	4 038 (46%)
Clinical evaluations, complications or diagnosis	n=2 648	n=1 301	n=4 212
Pneumonia	222 (8%)	318 (24%)	562 (13%)
Dyspnea	96 (4%)	198 (15%)	314 (7%)
Abnormal lung auscultation	103 (4%)	144 (11%)	271 (6%)

*The categories for pre-existing conditions, symptoms and clinical evaluations, complications or diagnosis are not mutually exclusive and the list is non-exhaustive.

**Cases for which there is detailed information.

COVID-19 IN CANADA

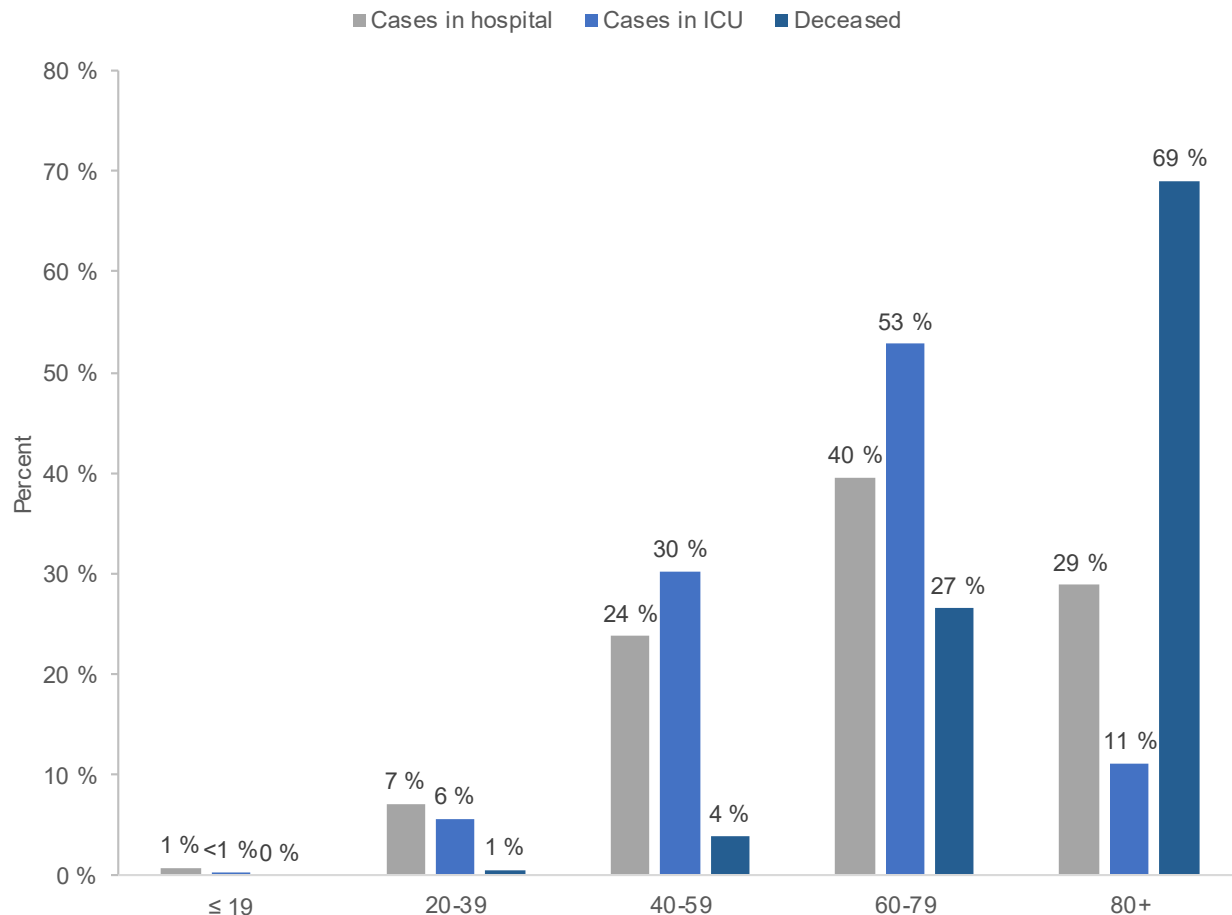
CASE SEVERITY

- **4 519** cases (**17%**) reported hospitalization, including **991** (**22%**) admitted to the ICU, and **172** (**4%**) of hospitalizations requiring mechanical ventilation.
- Seventy-four percent (74%) of cases reported one or more pre-existing conditions.
- Individuals ages ≥ 60 years comprise:
 - 69% of hospital admissions
 - 64% of ICU admissions
 - 96% of deaths

Table 5. Gender distribution of COVID-19 cases which have been hospitalized, admitted to ICU, and deceased in Canada as of 24 May

	All Hospitalizations		Admitted to ICU		Deceased	
Gender						
Female	2 056	(46%)	359	(36%)	1 221	(52%)
Male	2 448	(54%)	630	(64%)	1 122	(48%)
Other	2	(<1 %)				
Total	4 506	(100%)	989	(100%)	2 343	(100%)

Figure 4. Age distribution of COVID-19 cases hospitalized, admitted to ICU and deceased in Canada as of 24 May



COVID-19 IN CANADA

FLUWATCHERS

FluWatchers is an online health surveillance system that relies on volunteer reports to track spread of flu-like illness across Canada.

In the context of the COVID-19 pandemic, FluWatchers is shifting focus to track COVID-19 symptoms over the spring and summer months.

In the week of May 10, 2020, 10 953 participants reported into the FluWatchers program. A total of 22 participants (0.2%) reported cough and fever.

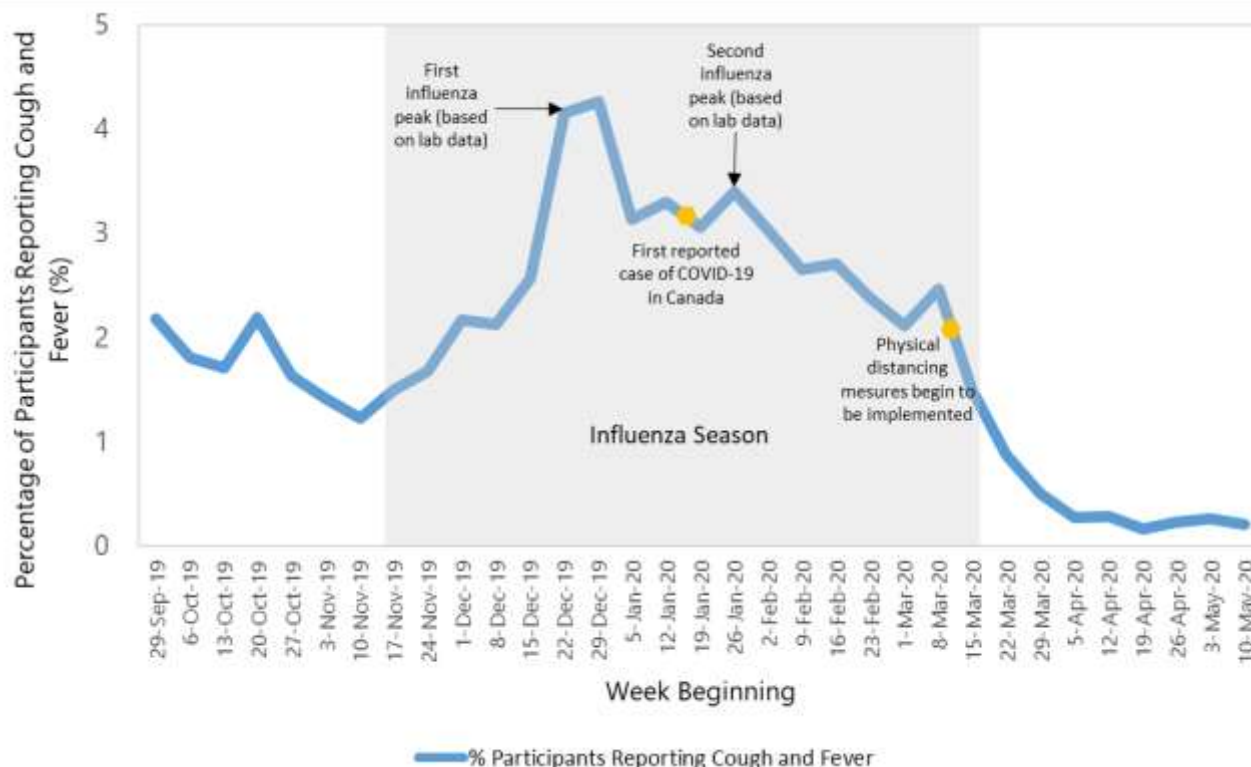
Among the 22 participants reporting cough and fever:

- 13 (59%) sought medical attention
- 8 (36%) were tested
 - 6 tests were negative and two did not have a result at the time of reporting

Additionally, 226 participants (2%) reported having a cough and at least one other symptom* in the week of May 10, 2020. Seventeen of these participants reported being tested (13 tests were negative and 4 results were unavailable at the time of reporting).

**sore throat, fatigue/exhaustion, diarrhea/vomiting/stomach ache, joint pain, muscle pain, shortness of breath and headache*

Figure 5. Percentage of FluWatchers Participants Reporting Cough and Fever (N=10 953 the week of May 10, 2020)



COVID-19 IN CANADA

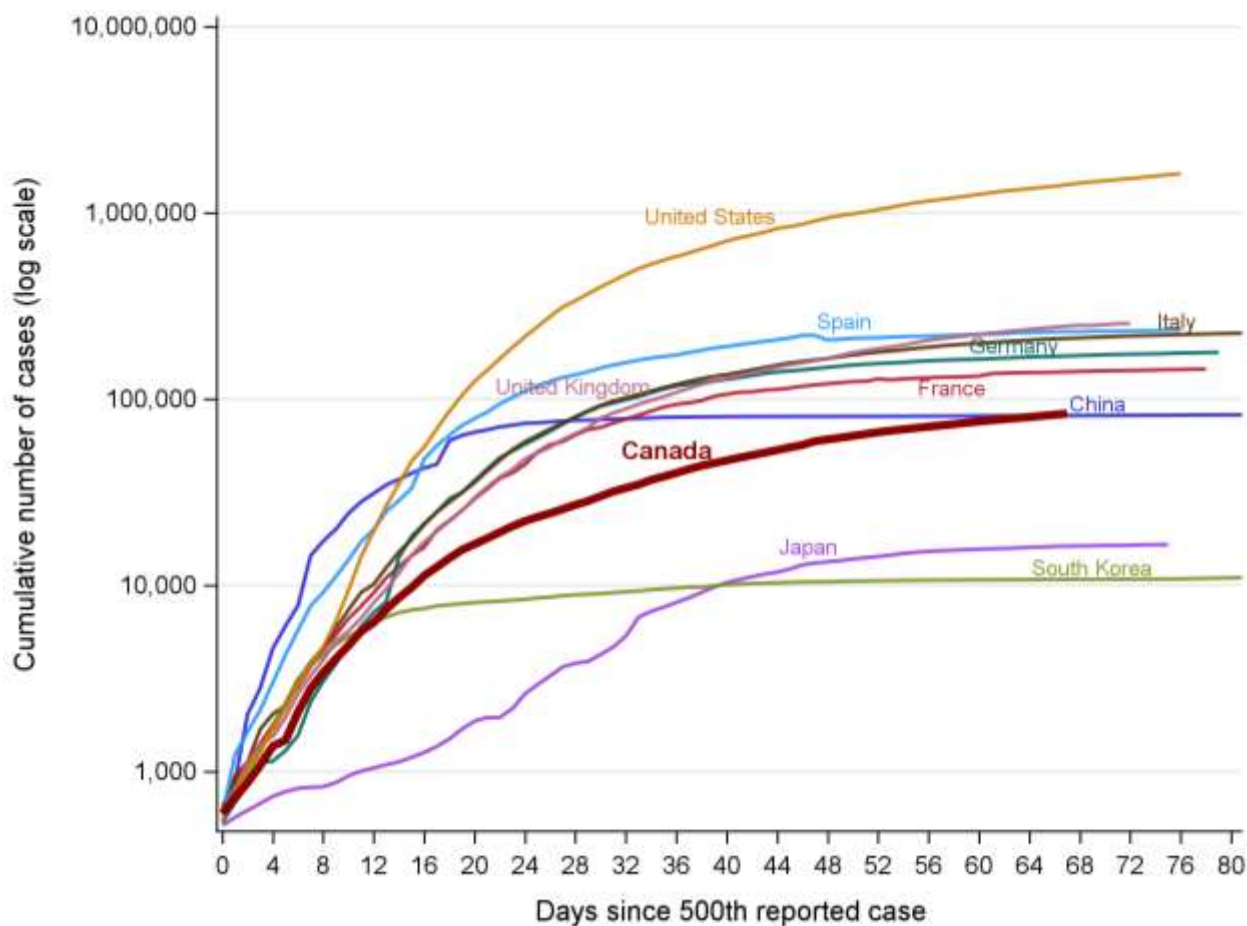
INTERNATIONAL

A summary of the cumulative cases of COVID-19 in Canada compared to other countries by date of report can be seen in **Figure 6**.

Up-to-date country-specific risk levels is found on [travel health notices](#).

For more information on COVID-19 internationally, please refer to the [World Health Organization COVID-19 Situation Report](#).

Figure 6. Cumulative cases of COVID-19 in Canada compared to other countries by date of report



Note: At this time, results from international comparisons should be interpreted with caution. The number of tests conducted and indications for testing by country all have a large influence on total reported case counts. Therefore, the data displayed does not necessarily represent the true size of outbreak within each country.