

# COVID-19 IN CANADA

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

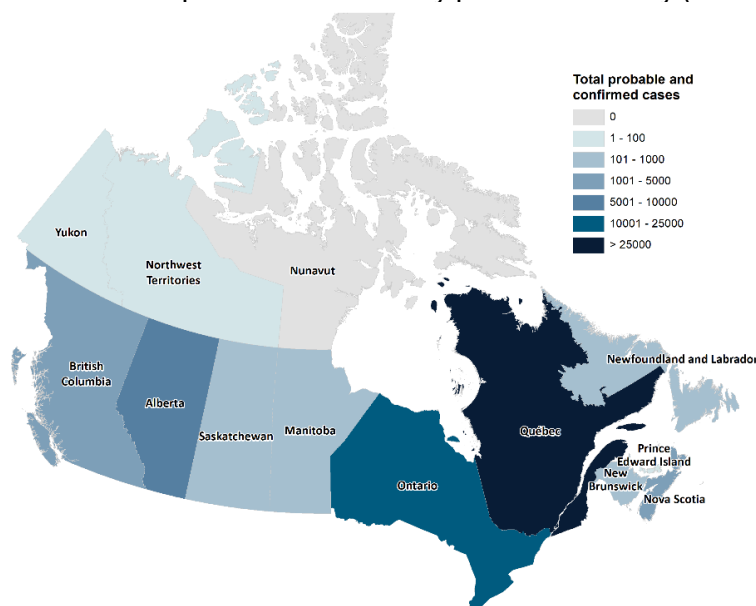
Updated: 22 May 2020, 11:00 ET

<b>81 765</b> CONFIRMED CASES	<b>41 986 (51%)</b> RECOVERED	<b>6 180 (7.6%)</b> DEATHS
<b>1 210</b> NEW CASES	<b>37 288</b> PEOPLE TESTED PER 1 000 000	<b>5.4%</b> PERCENT POSITIVE (CUMULATIVE)

### KEY UPDATES

- New cases continue to be reported across the country, however with a decreasing trend in daily reported cases observed.
- 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.
  - New Brunswick reported their first new case since 6 May 2020.
- No new deaths have been reported in eight jurisdictions within the past 24 hours.

**Figure 1.** Map of COVID-19 cases reported in Canada by province/territory (n=81 752\*)



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:
  - Nova Scotia and New Brunswick each reported one new case
  - No new cases were reported in Manitoba.
  - No new deaths were reported in eight 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 (3 800) and Ontario (2 021).

**Table 1.** Summary of COVID-19 cases reported in Canada by location as of 22 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	2 479	12	2 020	81%	152	3
AB	6 768	33	5 710	84%	132	4
SK	622	2	509	82%	7	0
MB	290	0	265	91%	7	0
ON	24 628	441	18 767	76%	2 021	28
QC	45 495	720	13 327	29%	3 800	82
NL	260	0	253	97%	3	0
NB	121	1	120	99%	0	0
NS	1 046	1	959	92%	58	1
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
<b>Total*</b>	<b>81 765</b>	<b>1 210</b>	<b>41 986</b>	<b>51%</b>	<b>6 180</b>	<b>118</b>

\* 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 40 444 cases. Not all data fields are complete, only cases with data available are included. Data presented are as of 22 May at 11:00 (ET).

# COVID-19 IN CANADA

## DEMOGRAPHIC DISTRIBUTION

- Thirty-six percent (36%) 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.

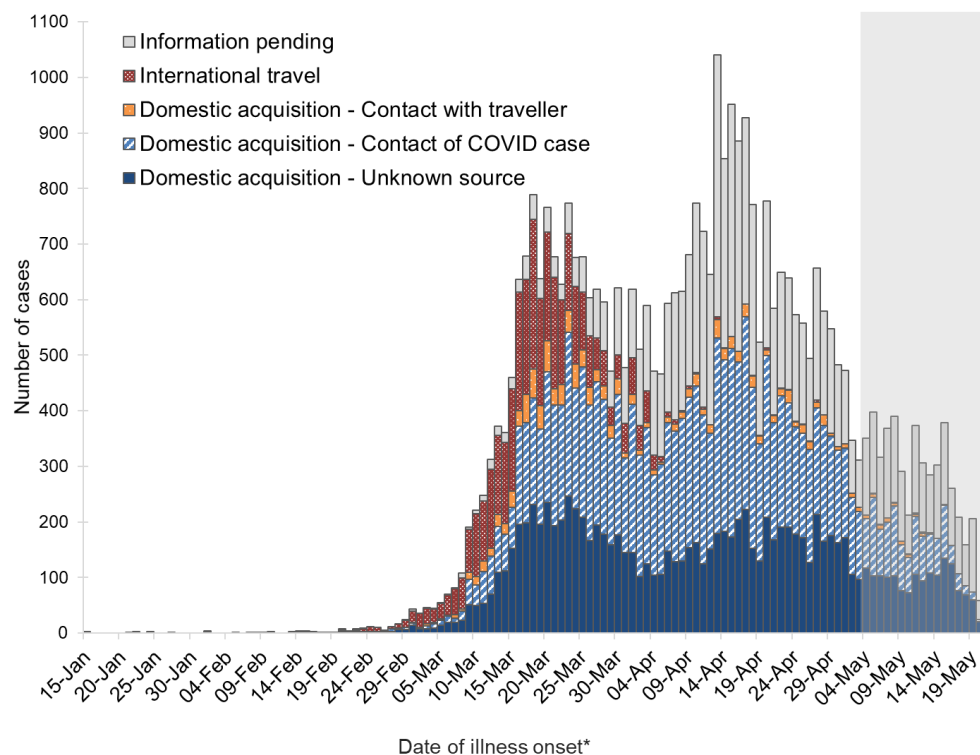
**Table 2.** Demographic characteristics of COVID-19 cases reported in Canada as of 22 May

Age (in years)			
Median		51	
Range		0-111	
Age groups		n=39 902	
≤ 19		2 206	(6%)
20-39		10 770	(27%)
40-59		12 859	(32%)
60-79		7 792	(20%)
80+		6 275	(16%)
Gender		n=40 178	
Female		22 004	(55%)
Male		18 157	(45%)
Other		17	(<1 %)

## TEMPORAL DISTRIBUTION BY EXPOSURE CATEGORY

- 3 792 cases (10%) reported having travelled outside of Canada, 25 515 (64%) cases are due to domestic acquisition, and 10 631 (27%) have information pending.

**Figure 2.** Number of newly reported COVID-19 cases in Canada, by date of illness onset and exposure (n=38 903)



\*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 **1 401 640** people have been tested for COVID-19 in Canada (Table 3). This corresponds to a test rate of **37 288** 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 22 May

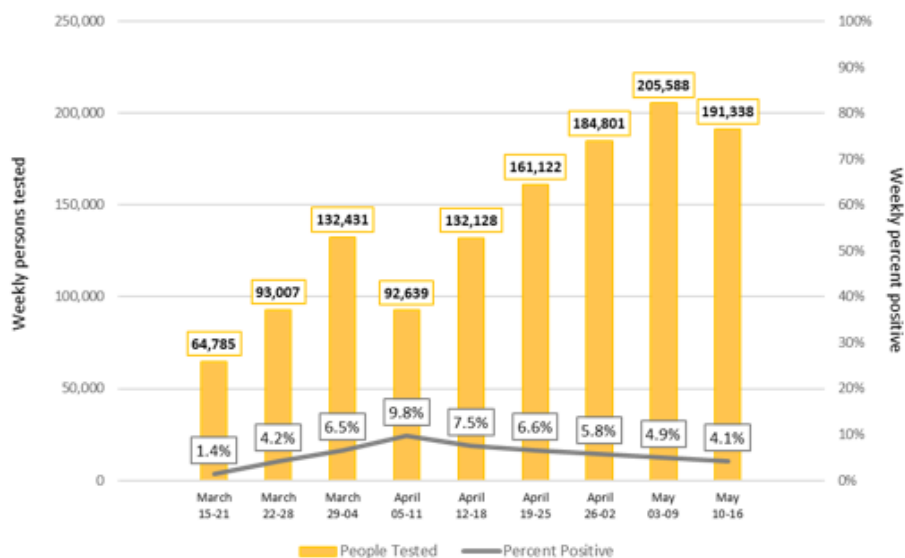
Location	Total people tested*	New tests since last report	People tested per 1 000 000 pop'n
BC	109 844	1 524	21 660
AB	205 778	2 381	47 075
SK	39 072	340	33 268
MB	36 590	867	26 718
ON	569 699	10 907	39 110
QC	361 628	7 456	42 620
NL	11 096	129	21 275
NB	20 309	205	26 144
NS	38 613	338	39 750
PE	5 201	250	33 139
YK	1 142	1	27 953
NT	1 899	12	42 364
NU	693	8	17 870
<b>Total*</b>	<b>1 401 640</b>	<b>24 418</b>	<b>37 288</b>

‡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.

\*Note: 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.

For the week of May 10 to 16, 191 338 persons were tested and the daily average percent positive over that same period was 4.1% (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 **4 209** 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  $\geq 60$  years, and 41% were aged 60-79 years.
- Those aged  $\geq 60$  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 22 May

	By Age group		Overall
	0-59	$\geq 60$	
<b>Pre-Existing Conditions</b>	<b>n=5 727</b>	<b>n=2 556</b>	<b>n= 8 775</b>
Cardiac	290 (5%)	876 (34%)	1 220 (14%)
Respiratory disease	567 (10%)	468 (18%)	1 089 (12%)
Diabetes	291 (5%)	518 (20%)	857 (10%)
<b>Symptoms</b>	<b>n=5 951</b>	<b>n=2 561</b>	<b>n=8 805</b>
Cough	4 263 (72%)	1 775 (69%)	6 445 (73%)
Headache	3 603 (61%)	932 (36%)	4 851 (55%)
Weakness	3 089 (52%)	1 272 (50%)	4 683 (53%)
Fever	2 564 (43%)	1 227 (48%)	4 036 (46%)
<b>Clinical evaluations, complications or diagnosis</b>	<b>n=2 646</b>	<b>n=1 300</b>	<b>n=4 209</b>
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

- **4 424** cases (**17%**) reported hospitalization, including **978** (**22%**) admitted to the ICU, and **171** (**4%**) of hospitalizations requiring mechanical ventilation.
- Seventy-four percent (74%) of cases reported one or more pre-existing conditions.
- Individuals ages  $\geq 60$  years comprise:
  - 69% of hospital admissions
  - 64% of ICU admissions
  - 95% of deaths

**Table 5.** Age and gender distribution of COVID-19 cases which have been hospitalized, admitted to ICU, and deceased in Canada as of 22 May

Case Severity						
	All Hospitalizations		Admitted to ICU		Deceased	
<b>Age groups</b>						
≤ 19	35	(1%)	3	(<1%)	0	(0%)
20-39	311	(7%)	55	(6%)	13	(1%)
40-59	1 043	(24%)	292	(30%)	90	(4%)
60-79	1 733	(40%)	508	(53%)	606	(26%)
80+	1 253	(29%)	107	(11%)	1 596	(69%)
<b>Total</b>	<b>4 375</b>	<b>(100%)</b>	<b>965</b>	<b>(100%)</b>	<b>2 305</b>	<b>(100%)</b>
<b>Gender</b>						
Female	2 014	(46%)	352	(36%)	1 189	(52%)
Male	2 395	(54%)	624	(64%)	1 094	(48%)
Other	2	(<1%)				
<b>Total</b>	<b>4 411</b>	<b>(100%)</b>	<b>976</b>	<b>(100%)</b>	<b>2 283</b>	<b>(100%)</b>

# 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.

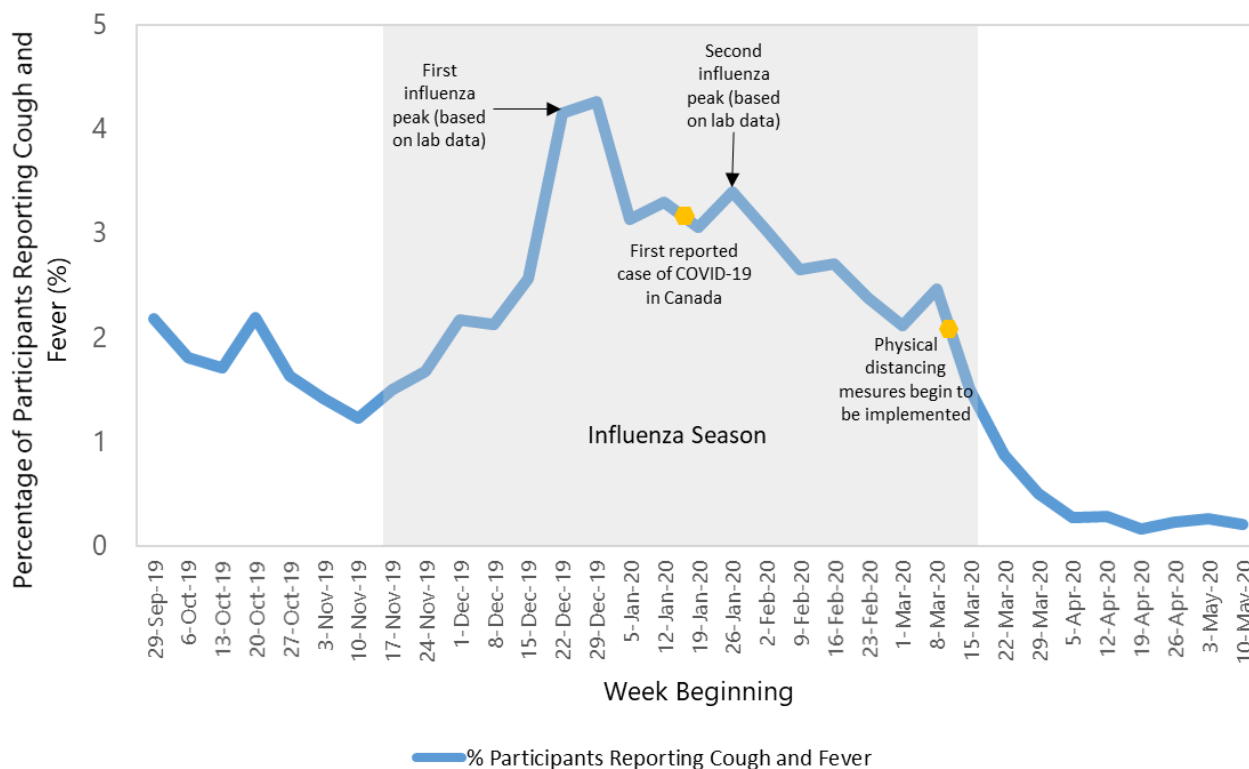
Among the 22 participants reporting cough and fever:

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



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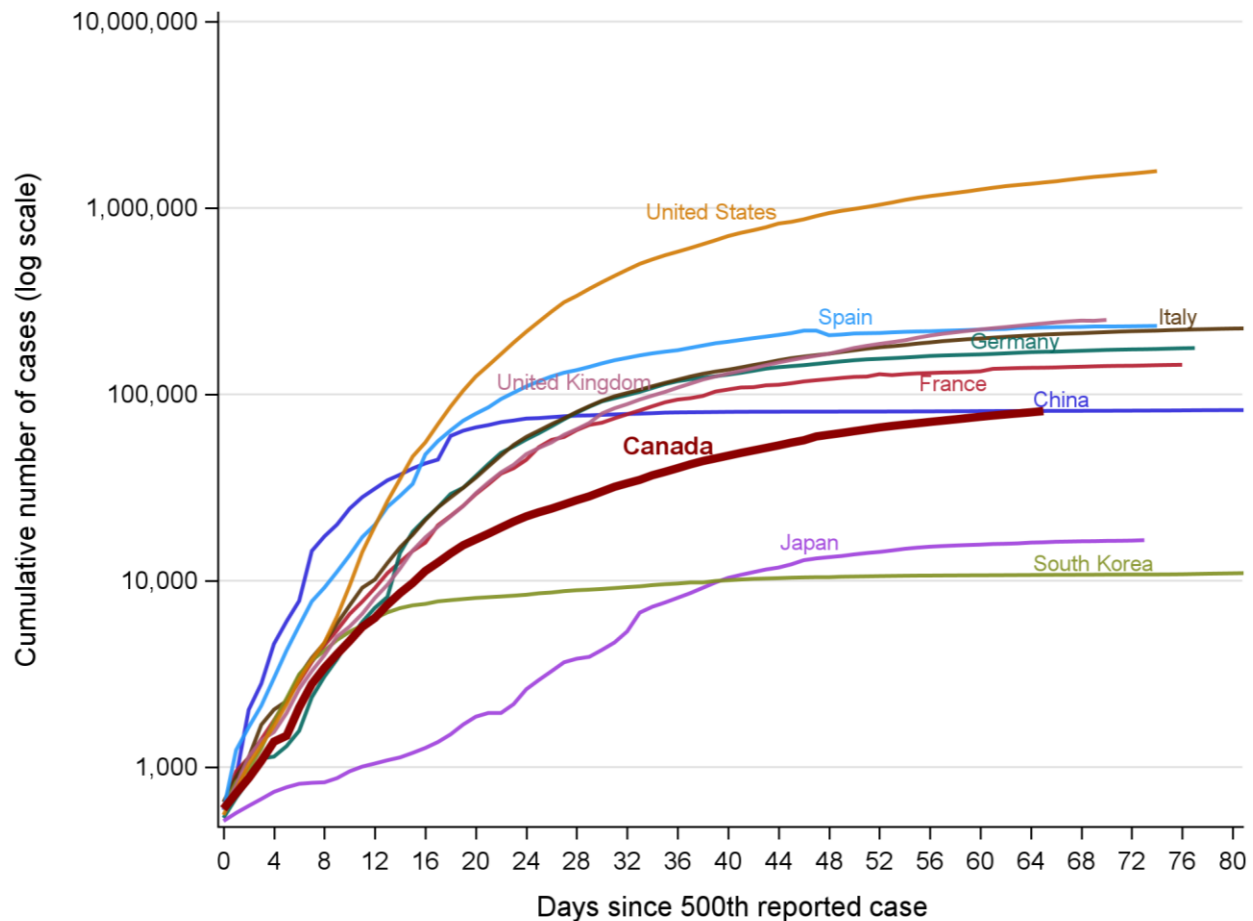
## INTERNATIONAL

A summary of the cumulative cases of COVID-19 in Canada compared to other countries by date of report can be seen in **Figure 5**.

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 Organizations' COVID-19 Situation Report](#).

**Figure 5.** 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.