

COVID-19 IN CANADA

CORONAVIRUS DISEASE 2019 (COVID-19) DAILY EPIDEMIOLOGY UPDATE

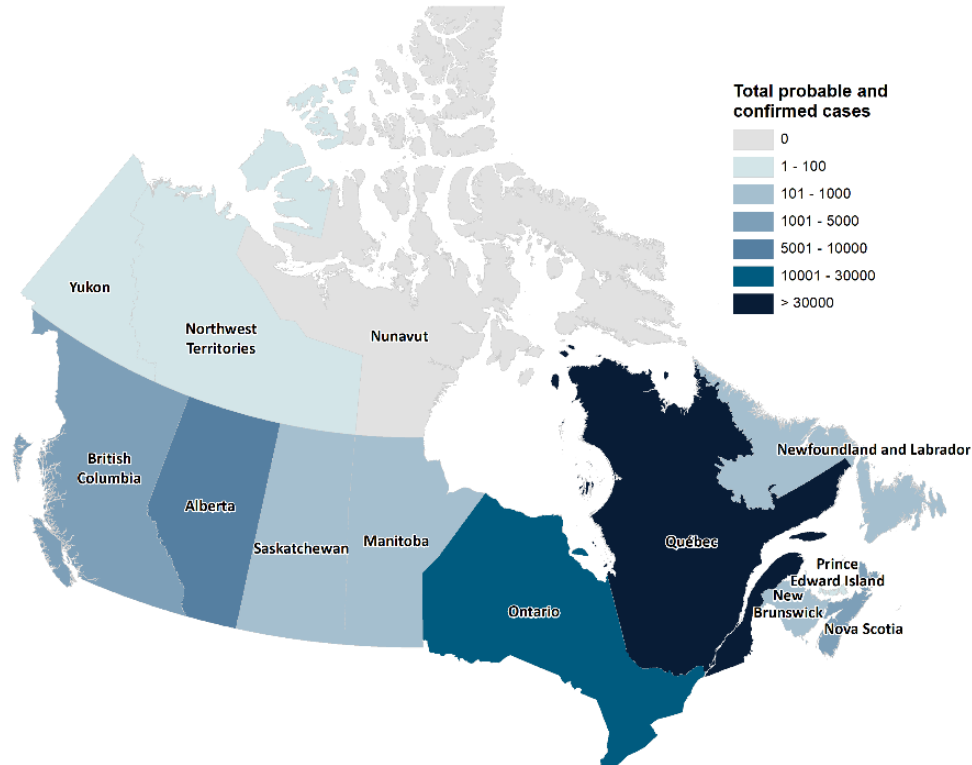
Updated: 30 May 2020, 11:00 ET

89 741 CONFIRMED CASES	48 085 (54%) RECOVERED	6 996 (7.8%) DEATHS
885 NEW CASES	43 397 PEOPLE TESTED PER 1 000 000	5.1% PERCENT POSITIVE (CUMULATIVE)

KEY UPDATES

- There is a decreasing trend in the number of newly reported cases.
- The majority of cases (87%) and deaths (94%) continue to be reported from Quebec and Ontario.
- No new deaths were reported in eleven jurisdictions.

Figure 1. Map of COVID-19 cases reported in Canada by province/territory (n=89 728*)



Data source: P/T websites. Map from NML Geomatics
*The total n excludes 13 repatriated travellers.

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NATIONAL OVERVIEW

- In the past 24 hours:
 - Five or fewer cases were reported in British Columbia, Saskatchewan, and New Brunswick.
 - No new cases were reported in Manitoba, Newfoundland and Labrador, Nova Scotia, Prince Edward Island, Yukon, Northwest Territories and Nunavut.
 - No new deaths were reported in eleven jurisdictions.
- A decreasing trend in daily cases reported nationally :
 - Daily case counts over the past 7 days are **11.8% lower** than the 7 days prior (Figure 2).
- Upward trend in the number of new deaths being reported:
 - Daily reported deaths over the past 7 days are **6.0% higher** than the 7 days prior (Figure 3).
 - The majority of deaths (94%) were reported in Quebec (4 363) and Ontario (2 247).

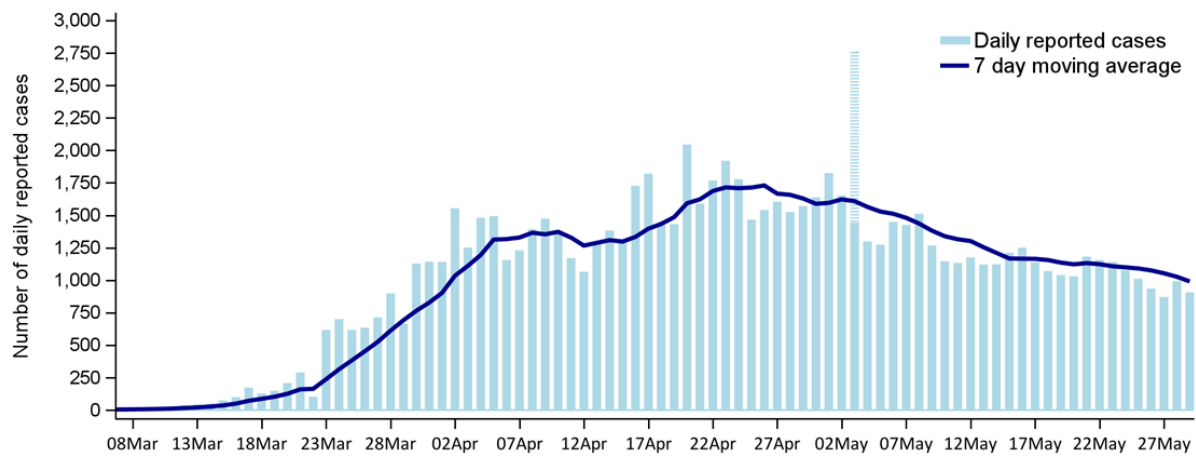
Table 1. Summary of COVID-19 cases reported in Canada by location as of 30 May 11:00 ET

Location	Total cases	New cases reported in past 24 hours	Recovered	% Recovered	Total deaths	New deaths reported in past 24 hours
BC	2 562	4	2 170	85%	164	0
AB	6 979	24	6 220	89%	143	0
SK	641	2	570	89%	10	0
MB	294	0	273	93%	7	0
ON	27 533	323	21 535	78%	2 247	17
QC	50 232	530	15 908	32%	4 363	61
NL	261	0	255	98%	3	0
NB	128	2	120	94%	0	0
NS	1 055	0	978	93%	59	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*	89 741	885	48 085	54%	6 996	78

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

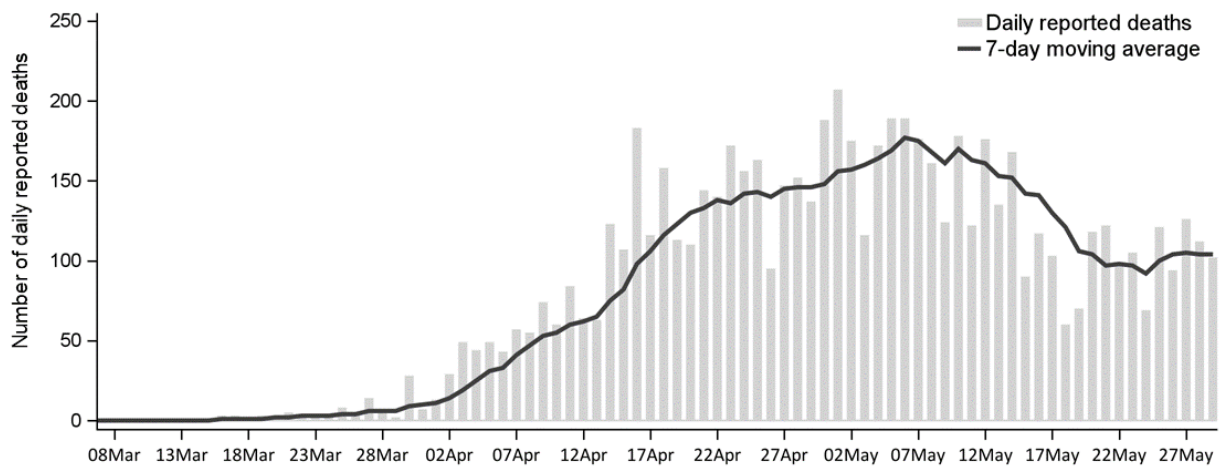
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Figure 2. Daily and average number of reported COVID-19 cases, by reported date



Note: The 7-day moving average is a trend indicator that captures the arithmetic mean of the daily reported cases over the previous seven days. The moving average helps smooth out day-to-day variability in reporting, filtering out the “noise” of short term fluctuations. The hatched blue bar corresponds to the 3 177 cases reported by Quebec on May 3rd, that were originally detected over the period April 2 to 30 (excluded from moving average calculation).

Figure 3. Daily and average number of COVID-19 related deaths, by reported date



Note: The 7-day moving average is a trend indicator that captures the arithmetic mean of the daily reported deaths over the previous seven days. The moving average helps smooth out day-to-day variability in reporting, filtering out the “noise” of short term fluctuations.

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PHAC receives detailed case information from provinces and territories. The epidemiology update is based on information received for 87 262 cases. Not all data fields are complete, only cases with data available are included. Data presented are as of 30 May at 11:00 (ET).

DEMOGRAPHIC DISTRIBUTION

- Thirty-seven percent (37%) of cases are 60 years and over.
- The highest proportion of cases are among those aged 40-59 years (31%), followed by those aged 20-39 years (26%); 6% of cases were ≤ 19 years of age.
- Fifty-seven percent (57%) of cases are females.

Table 2. Demographic characteristics of COVID-19 cases reported in Canada as of 30 May

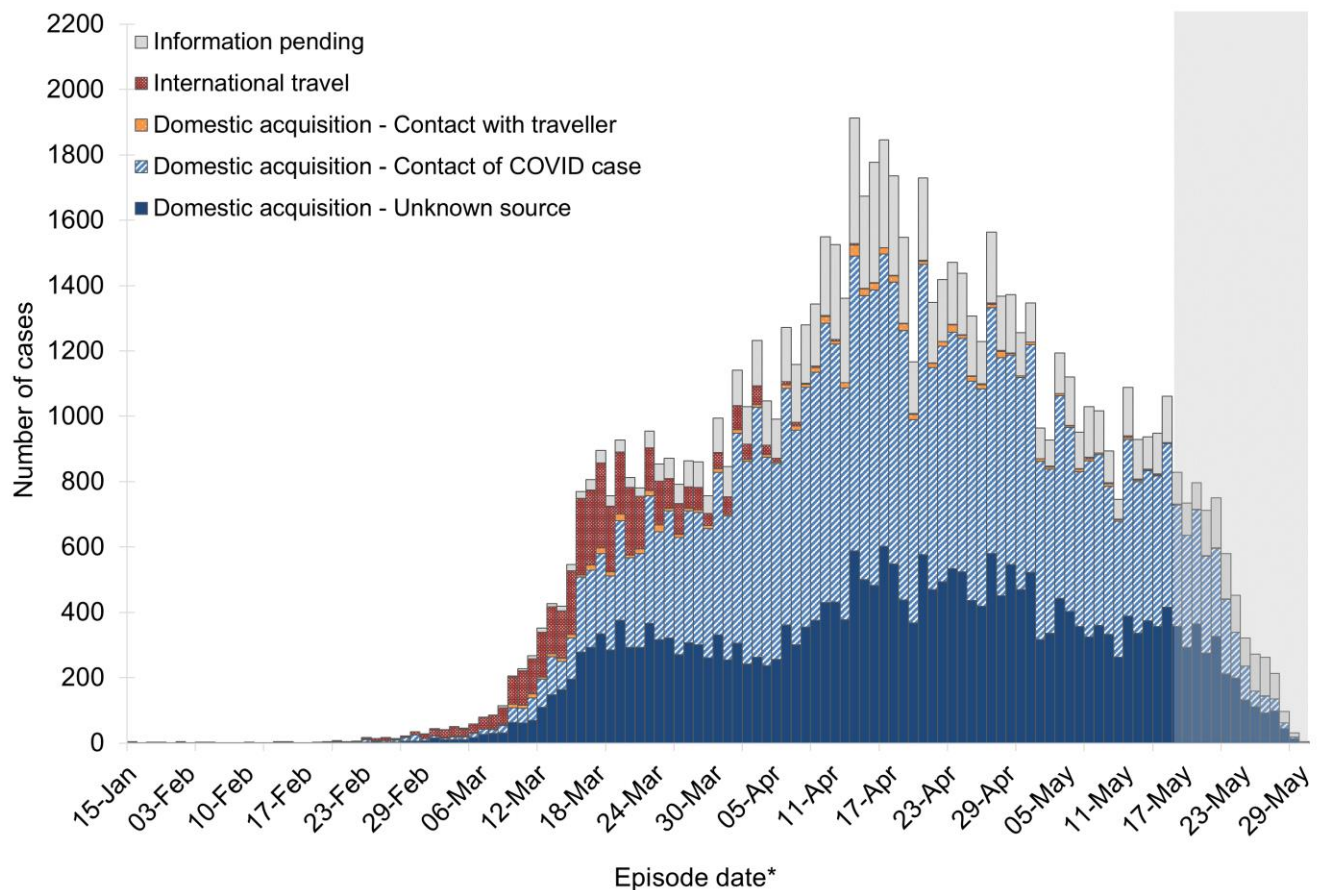
Age (in years)		
	Median	51
	Range	0-112
Age groups		
n=87 142		
≤ 19	5 473	(6%)
20-39	22 650	(26%)
40-59	26 745	(31%)
60-79	15 545	(18%)
80+	16 399	(19%)
Gender		
n=86 967		
Female	49 541	(57%)
Male	37 085	(43%)
Other	11	(<1%)

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TEMPORAL DISTRIBUTION BY EXPOSURE CATEGORY

- Of the 84 094 cases with information on exposure provided, 3 862 cases (5%) reported having travelled outside of Canada, 69 914 (83%) cases were due to domestic acquisition, and 10 318 (12%) have information pending.
 - Among domestically acquired cases, 57% (n=39 607) involved known contact with a COVID case.

Figure 4. Number of newly reported COVID-19 cases in Canada, by episode date and exposure (n=79 987)



* Episode date corresponds to the earliest date reported according to the following order: Symptom Onset Date, Specimen Collection Date, and Laboratory Testing Date. Cases that do not include any of these date types have been excluded from the curve.

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.

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LABORATORY TESTING

Over **1 631 250 people** have been tested for COVID-19 in Canada (Table 3). This corresponds to a test rate of **43 397** per million population. The percent positive is **5.1%**, 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 30 May

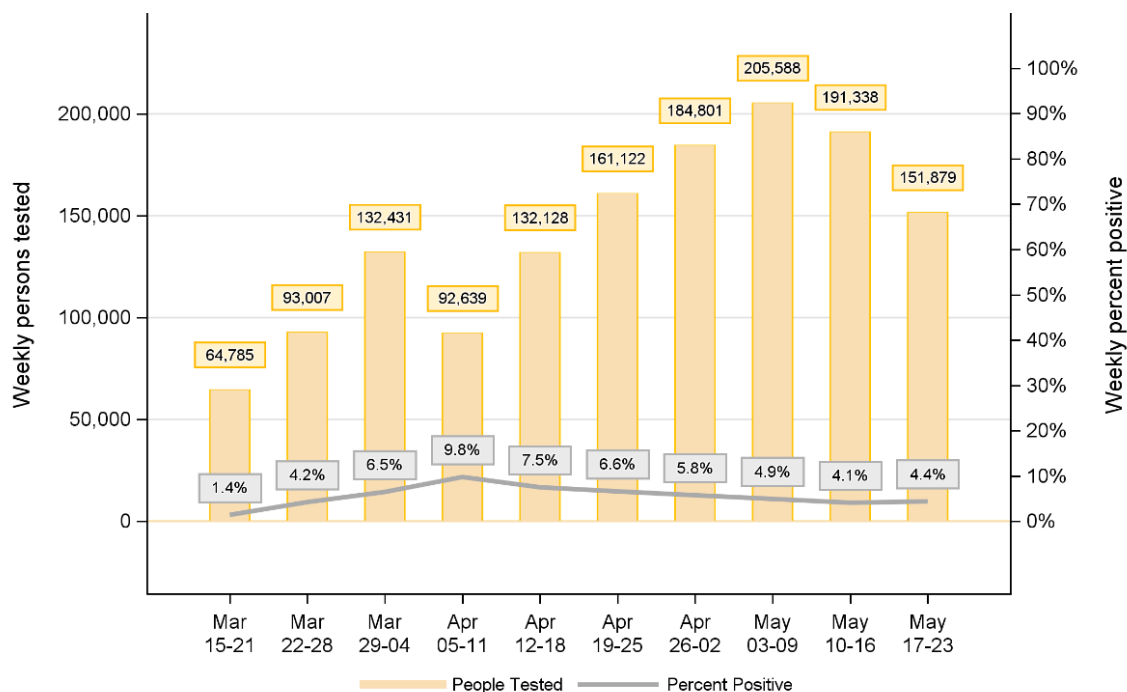
Location	Total people tested*	New tests since last report	People tested per 1 000 000 pop'n
BC	121 573	1 574	23 973
AB	229 675	2 985	52 541
SK	42 674	560	36 335
MB	41 578	0	30 361
ON	678 394	19 965	46 572
QC	428 895	11 099	50 548
NL	12 073	202	23 149
NB	23 157	649	29 810
NS	42 904	595	44 167
PE	6 302	134	40 154
YK	1 176	4	28 785
NT	2 001	7	44 639
NU	772	23	19 907
Total*	1 631 250	37 797	43 397

‡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 17 to 23, 151 879 persons were tested and the daily average percent positive over that same period was 4.4% (figure 5).

Figure 5. Number of persons tested for COVID-19 and percent positive, by week, in Canada



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

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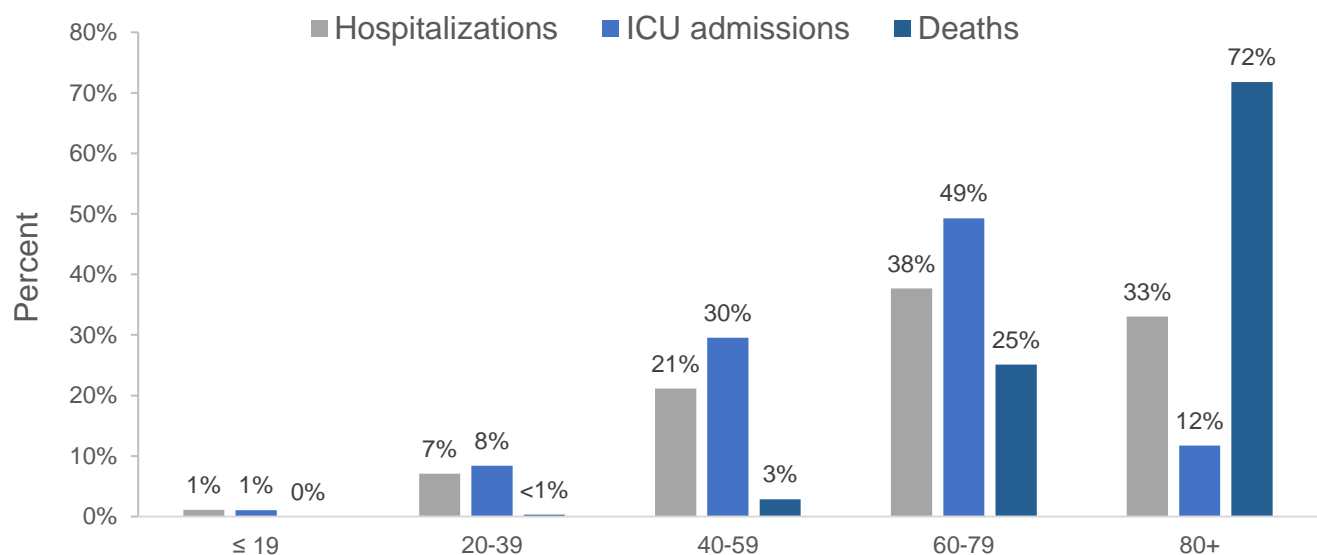
CASE SEVERITY

- **8 234 cases (16%)** reported hospitalization, including **1 630 (20%)** admitted to the ICU, and **415 (5%)** of hospitalizations requiring mechanical ventilation.
- From the 526 hospitalized cases for which clinical presentation was reported, 384 (73%) reported having one or more pre-existing conditions.

Table 4. Distribution of COVID-19 cases which have been hospitalized, admitted to ICU, and deceased in Canada, by age group and gender, as of 30 May

Case Severity						
Overall Summary Hospitalizations						
Hospitalizations		8 234/51 177		(16%)		
Hospitalizations in ICU		1 630/8 234		(20%)		
Hospitalizations requiring mechanical ventilation		415/8 234		(5%)		
All Hospitalizations			Admitted to ICU		Deceased	
Age groups						
≤ 19	89	(1%)	17	(1%)	0	0%
20-39	583	(7%)	138	(8%)	19	(<1%)
40-59	1 743	(21%)	481	(30%)	187	(3%)
60-79	3 100	(38%)	803	(49%)	1 657	(25%)
80+	2 717	(33%)	191	(12%)	4 735	(72%)
Total	8 232	(100%)	1 630	(100%)	6 598	(100%)
Gender						
Female	3 993	(49%)	630	(39%)	3 543	(54%)
Male	4 233	(51%)	1 000	(61%)	3 027	(46%)
Other	1	(<1%)				
Total	8 227	(100%)	1 630	(100%)	6 570	(100%)

Figure 6. Age distribution of COVID-19 cases hospitalized, admitted to ICU and deceased in Canada as of 30 May



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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 17, 2020, 11 138 participants reported into the FluWatchers program. A total of 15 participants (0.1%) reported cough and fever.

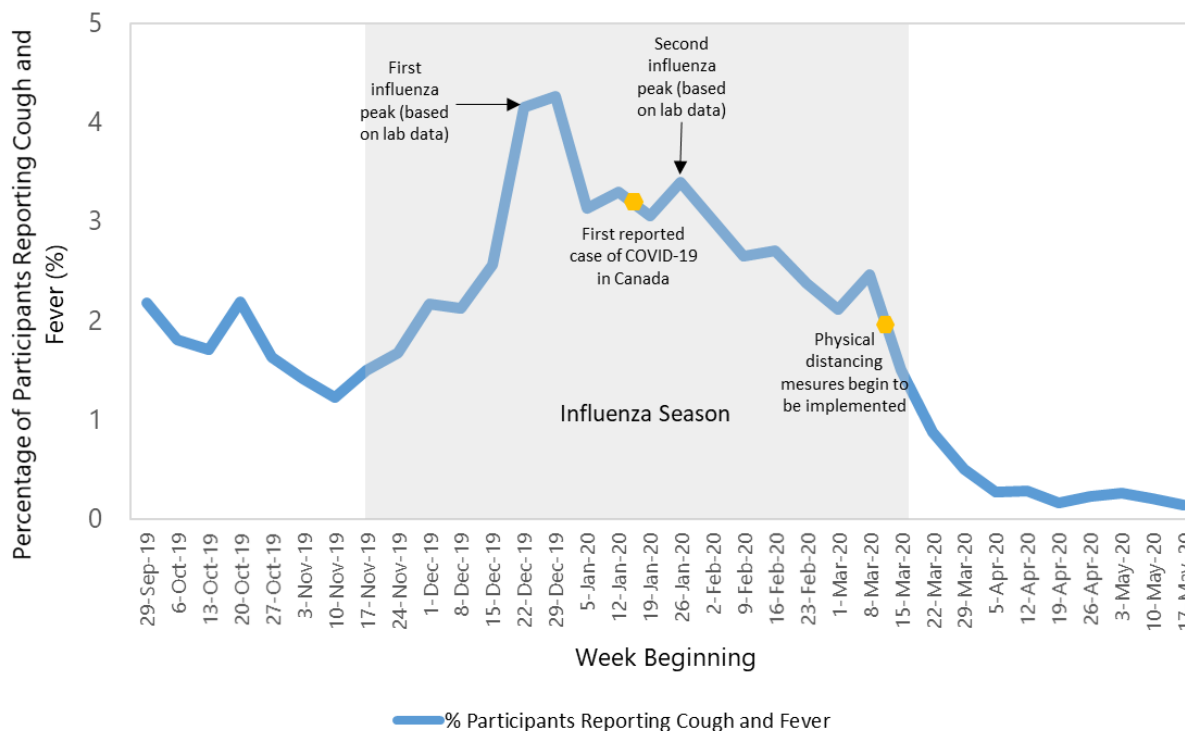
Among the 15 participants reporting cough and fever:

- 5 (33%) sought medical attention
- 1 (7%) were tested
 - The one test did not have a result at the time of reporting

Additionally, 200 participants (2%) reported having a cough and at least one other symptom* in the week of May 17, 2020. Eighteen of these participants reported being tested (13 tests were negative and 5 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 7. Percentage of FluWatchers Participants Reporting Cough and Fever (N=11 138 the week of May 17, 2020)



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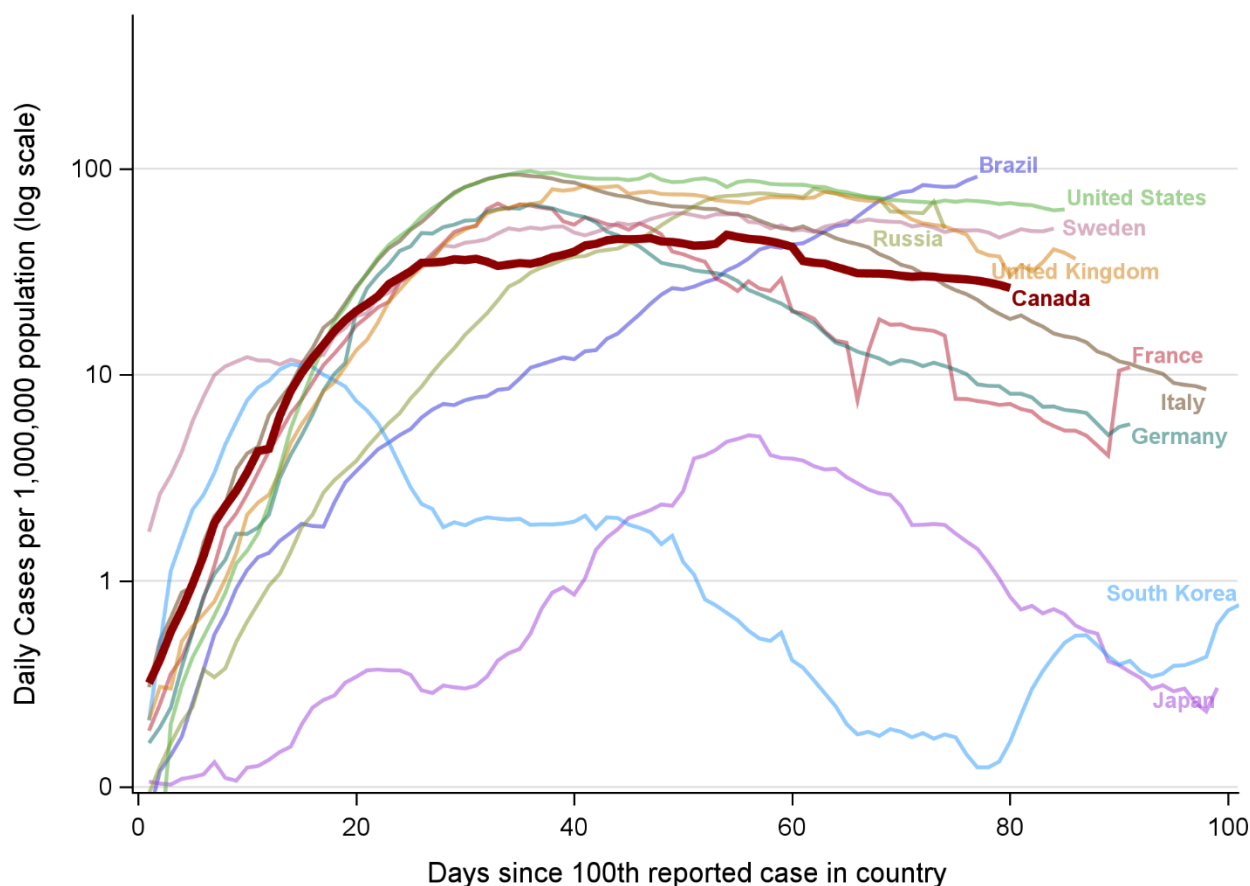
INTERNATIONAL

A summary of the daily cases of COVID-19 in Canada compared to other countries can be seen in **Figure 8**. The chart shows daily cases per 1 000 000 population reported by country, using a 7-day moving average of number of cases.

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

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

Figure 8. Daily cases of COVID-19 in Canada compared to other countries (7-day moving average*, population adjusted)



* The 7-day moving average is a trend indicator that captures the arithmetic mean of the daily reported cases over the previous seven days. The moving average helps smooth out day-to-day variability in reporting, filtering out the “noise” of short term fluctuations.

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.