

CORONAVIRUS DISEASE 2019 (COVID-19)

DAILY EPIDEMIOLOGY UPDATE

Updated: 8 May 2020, 11:00 ET

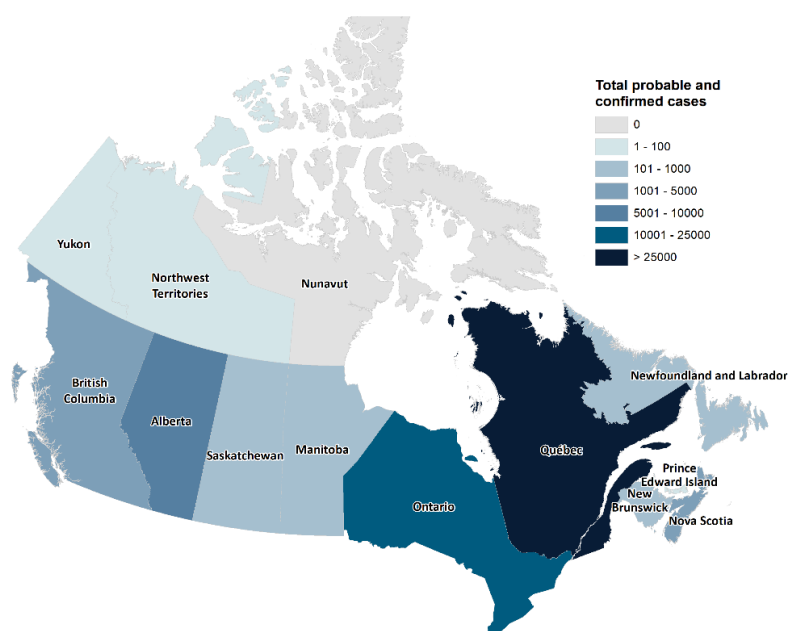
65 399 CONFIRMED CASES	29 668 (45%) RECOVERED	4 471 (6.8%) DEATHS
1 504 NEW CASES	27 600 PEOPLE TESTED, DAILY AVERAGE *	4.1% PERCENT POSITIVE, DAILY AVERAGE *

*Seven day average. Further information provided in Laboratory section

KEY UPDATES

- New cases continue to be reported across the country, however with a decreasing trend in daily reported cases observed.
- Quebec continues to report the highest number of cases of COVID-19 in Canada (Figure 1), since 23 March, 2020.
- One probable case previously reported from Manitoba is now confirmed as negative.

Figure 1. Map of COVID-19 cases reported in Canada by province/territory (N=65 386*)



Data source: PT websites. Map from NML Geomatics

*The map excludes the 13 repatriated travellers



COVID-19 IN CANADA

NATIONAL OVERVIEW

- The majority of new cases (84%) were reported from Quebec (910 cases) and Ontario (399 cases).
- No new cases were reported in five jurisdictions (two provinces and three territories) for the past 2 days, including Prince Edward Island, Yukon, and Northwest Territories, which have not reported any new cases in at least the past 7 day.
- One probable case reported in Manitoba has been ruled out as negative bringing the total number of cases to 283 in the province (shown as -1 in Table 1).

Table 1: Summary of COVID-19 cases reported in Canada by location as of 8 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	2 288	33	1 512	66%	126	2
AB	6 017	54	3 809	63%	114	2
SK	531	19	329	62%	6	0
MB	283	- 1	243	86%	7	0
ON	19 598	477	13 990	71%	1 540	63
QC	35 238	911	8 673	25%	2 631	121
NL	261	2	244	93%	3	0
NB	120	0	118	98%	0	0
NS	1 007	9	708	70%	44	3
PE	27	0	26	96%	0	0
YK	11	0	11	100%	0	0
NT	5	0	5	100%	0	0
NU	0	0	0	0%	0	0
Repatriated travellers*	13	0	Unknown	Unknown	0	0
Total	65 399	1 504	29 668	45%	4 471	191

* Repatriated travellers refer to the Grand Princess cruise ship travellers who were under quarantine in Trenton in March 2020. Update on their status is not available.

COVID-19 IN CANADA

PHAC receives detailed case information from provinces and territories. The epidemiology update is based on information received for 34 553 cases. Not all data fields are complete, only cases with data available are included. Data presented are as of 8 May at 11:00 (ET).

DEMOGRAPHIC DISTRIBUTION

- 23 216 cases (68%) are over 40 years old. The highest proportion of cases are among those aged 40-59 years (32%), followed by those aged 20-39 years (26%); 5% of cases were ≤ 19 years of age.
- 55% of cases were females.

Table 2. Demographic characteristics of COVID-19 cases reported in Canada as of 8 May 2020

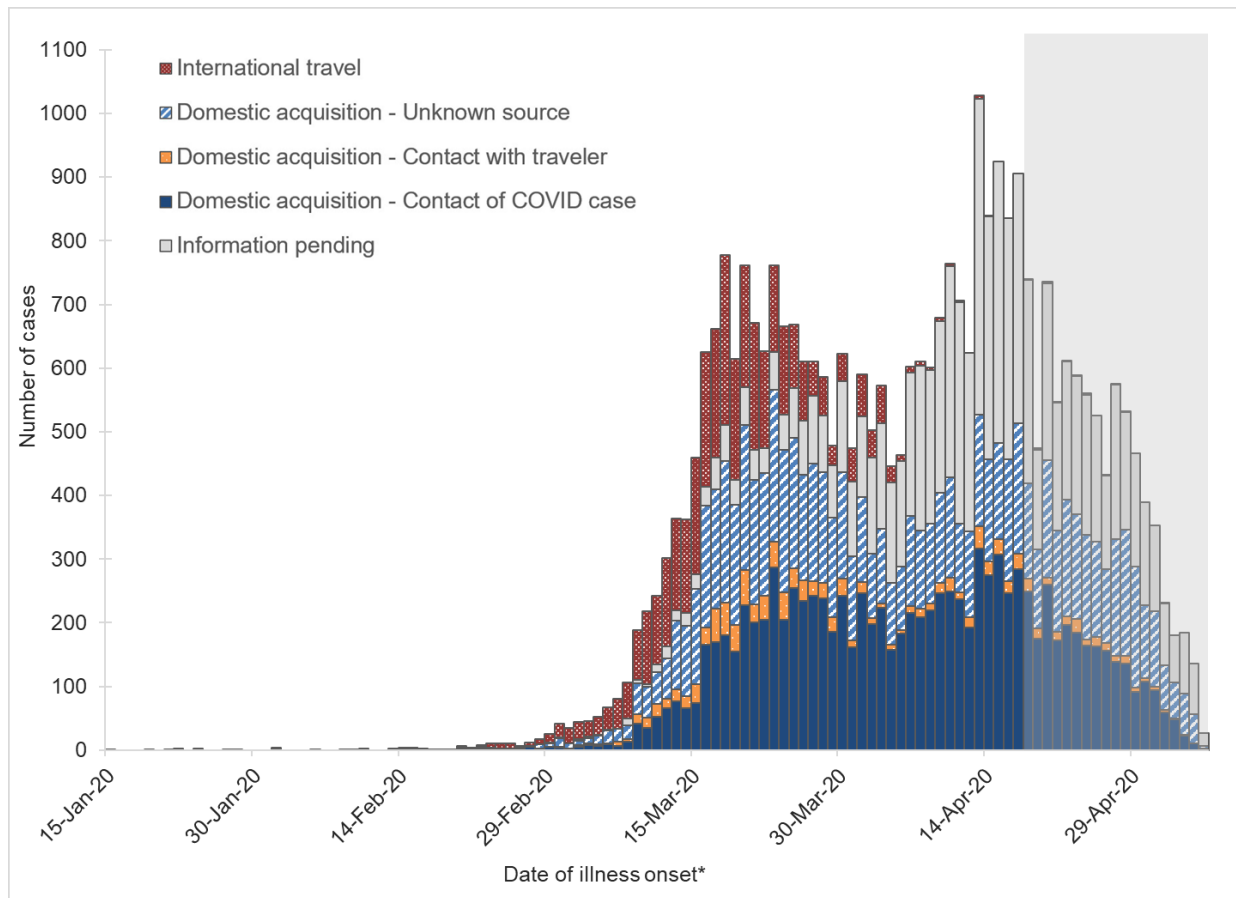
Age (in years)			
Median		51	
Range		0-111	
Age groups		n=34 015	
≤ 19		1 821	(5%)
20-39		8 978	(26%)
40-59		11 052	(32%)
60-79		6 807	(20%)
80+		5 357	(16%)
Gender		n=34 308	
Female		18 860	(55%)
Male		15 434	(45%)
Other		14	(<1%)

COVID-19 IN CANADA

TEMPORAL DISTRIBUTION BY EXPOSURE CATEGORY

- Since March 12th, the majority of cases reported have been due to community transmission.
- 3 752 cases reported having travelled outside of Canada and 20 796 cases are due to domestic acquisition.

Figure 2. Number of newly reported COVID-19 cases in Canada, by date of illness onset and exposure category (n=32 949)



*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 **1 032 088** people have been tested for COVID-19 in Canada (Table 2). This corresponds to a test rate of **27 457** per million population, and the percent positivity based on cumulative number of positive tests is **5.9%**. Over the last week, the average daily number of new people tested was 27 600.

The daily average people tested for the period 26 April to 2 May (7-day average) was **184 801** persons, and the daily average percent positivity during this time period is was **4.1%** (Figure 3).

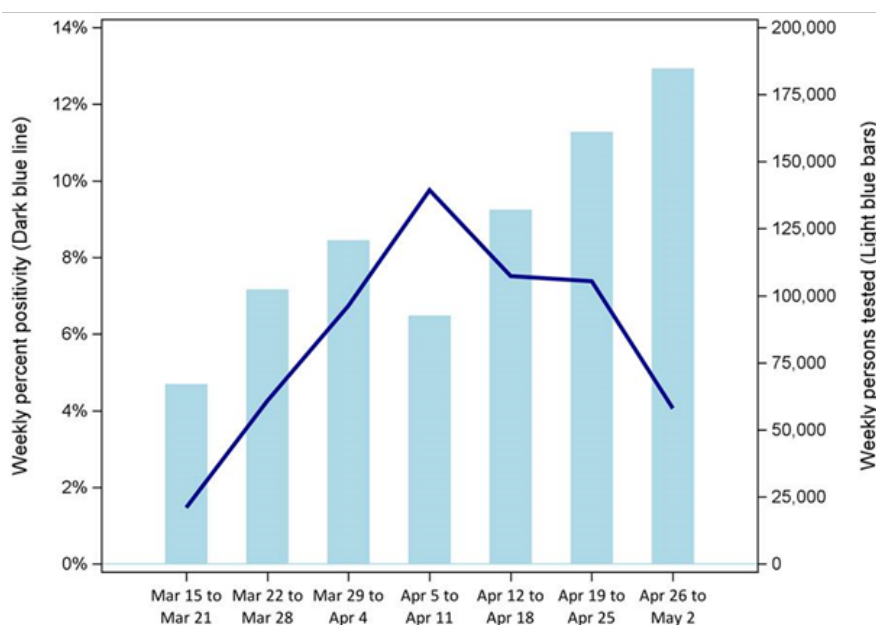
Table 3: Summary of COVID-19 testing reported in Canada by location as of 8 May 10:30 ET

Location	Total People tested*	New Tests since last report	People tested per 1 000 000 pop'n
BC	89 764	1985	17 700
AB	163 510	3325	37 405
SK	32 620	694	27 774
MB	28 742	510	20 988
ON	384 162	15 762	26 373
QC	266 444	6650	31 402
NL	9 571	120	18 351
NB	16 068	368	20 684
NS	34 081	540	35 085
PE	3 667	117	23 365
YK	1 065	11	26 068
NT	1 768	28	39 441
NU	550	20	14 183
Total*	1 032 088	30 130	27 457

‡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.

Figure 3: Number of COVID-19 tests conducted and percent positivity by week



Data source: NML. Change in the reporting of the laboratory positive confirmed tests by some provinces and territories has resulted in a decrease and more accurate national percent average positivity.

COVID-19 IN CANADA

CLINICAL PRESENTATIONS AND OUTCOME

- For the 4 178 cases for which the clinical presentation was reported, 554 cases (13%) reported having been clinically or radiologically diagnosed with pneumonia. Among those 554 cases, 57% were aged ≥ 60 years, and 41% were aged 60-79 years.

Table 4. Clinical presentation* summary of COVID-19 cases reported in Canada as of 8 May 2020

Clinical Presentations		
Pre-existing Conditions		n= 8 686
Cardiac	1 072	(12%)
Respiratory disease	1 073	(12%)
Diabetes	841	(10%)
Symptoms		n= 8 618
Cough	6 342	(74%)
Headache	4 777	(55%)
Weakness	4 635	(54%)
Clinical evaluations, complications or diagnosis		n= 4 178
Pneumonia	554	(13%)
Dyspnea	312	(8%)
Abnormal lung auscultation	270	(6%)

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

COVID-19 IN CANADA

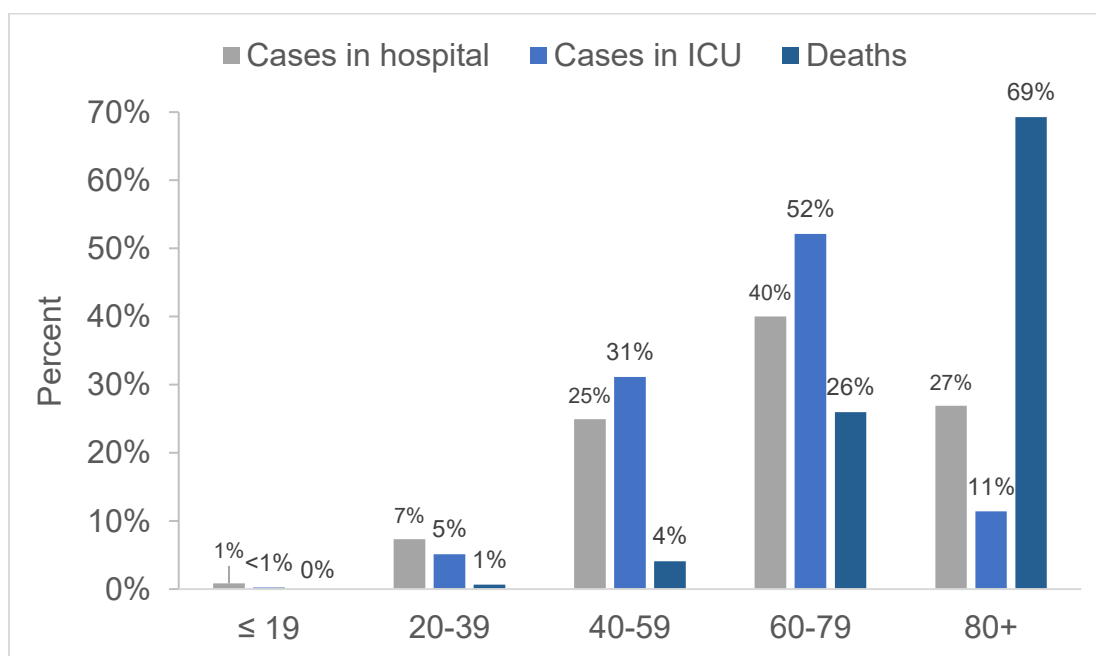
CASE SEVERITY

- **3 648** cases (**16%**) reported hospitalization, including **838** (**23%**) admitted to the ICU, and **163** (**5%**) of hospitalizations requiring mechanical ventilation
- 74% reported one or more pre-existing conditions.

Table 5. Clinical presentation summary of COVID-19 cases reported in Canada as of 8 May 2020

Case Severity					
Overall Summary Hospitalizations					
Hospitalizations		3 648/22 741		(16%)	
Hospitalizations in ICU		838/3 648		(23%)	
Hospitalizations requiring mechanical ventilation		163/3 648		(4%)	
All Hospitalizations		Admitted to ICU		Deceased	
Age groups					
≤ 19	30 (1%)	2 (<1%)	0 (0%)		
20-39	264 (7%)	42 (5%)	12 (1%)		
40-59	898 (25%)	257 (31%)	74 (4%)		
60-79	1 440 (40%)	430 (52%)	469 (26%)		
80+	968 (27%)	94 (11%)	1 250 (69%)		
Total	3 600 (100%)	825 (100%)	1 805 (100%)		
Gender					
Female	1 630 (45%)	302 (36%)	946 (53%)		
Male	2 006 (55%)	534 (64%)	845 (47%)		
Other	1 (<1%)				
Total	3 637 (100%)	836 (100%)	1 791 (100%)		

Figure 4. By age group, the proportion of COVID-19 cases with detailed case information that are hospitalized, admitted to ICU and have died in Canada, as of 8 May 2020

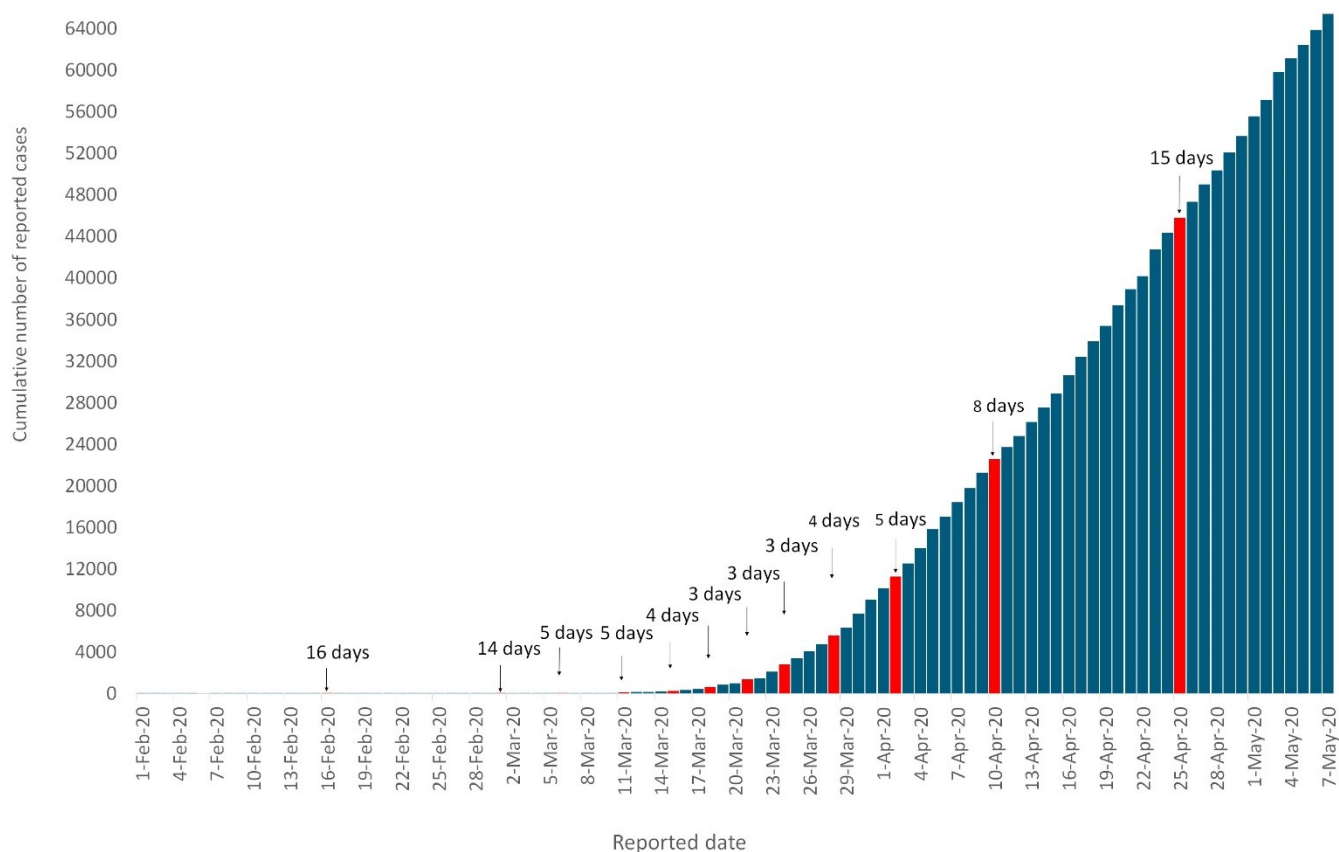


COVID-19 IN CANADA

The epidemic doubling period of COVID-19 cases in Canada is defined as the number of days between the doubling of cumulative case counts, retrospectively. This doubling period is indicated by red bars in the figure below (Figure 5).

- Canada's rate of growth of COVID-19 cases has decreased and during the period of April 11 to 25th, the doubling time was 15 days.

Figure 5. Doubling time of cumulative number of reported COVID-19 cases in Canada by reported date (N= 65 399)



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 April 26, 2020, 10,619 participants reported into the FluWatchers program. A total of 24 participants (0.2%) reported cough and fever.

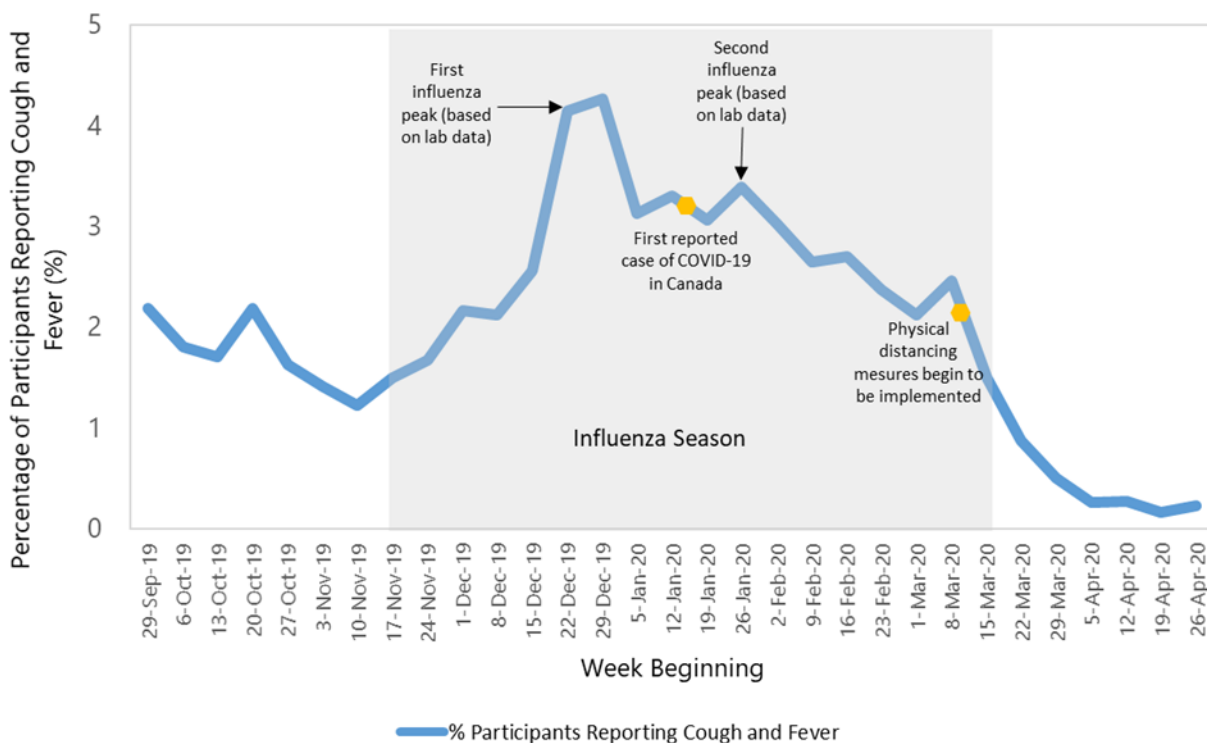
Among the 24 participants reporting cough and fever:

- 7 (30%) sought medical attention
- 4 (17%) were tested
 - 2 tests were positive for COVID-19, 1 test was positive for another seasonal respiratory virus and 1 test was negative

Additionally, 219 participants (2%) reported having a cough and at least one other symptom* in the week of April 26, 2020. Sixteen of these participants reported being tested and one test was positive for COVID-19 (13 tests were negative and two 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 6. Percentage of FluWatchers participants reporting cough and fever (N=10 619 the week of April 26, 2020)



COVID-19 IN CANADA

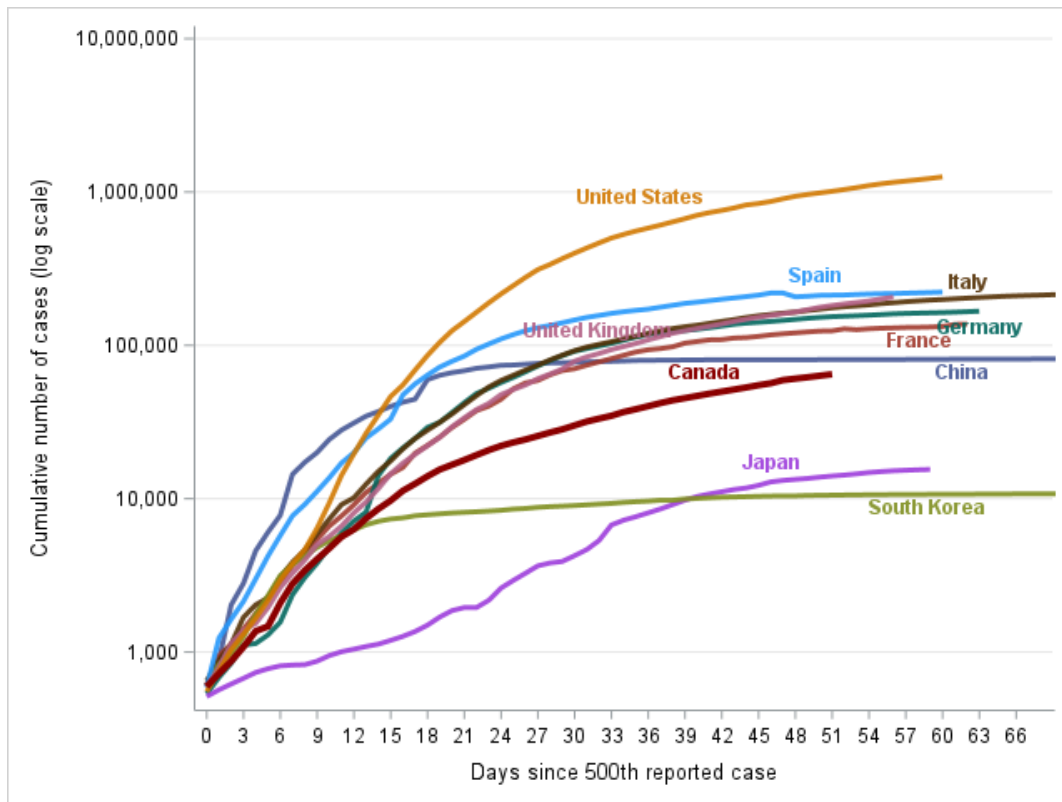
INTERNATIONAL

A summary of the cumulative cases of COVID-19 in Canada compared to other countries by date of report can be seen in **Figure 7**.

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

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

Figure 7. 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.