CORONAVIRUS DISEASE 2019 (COVID-19)

DAILY EPIDEMIOLOGY UPDATE

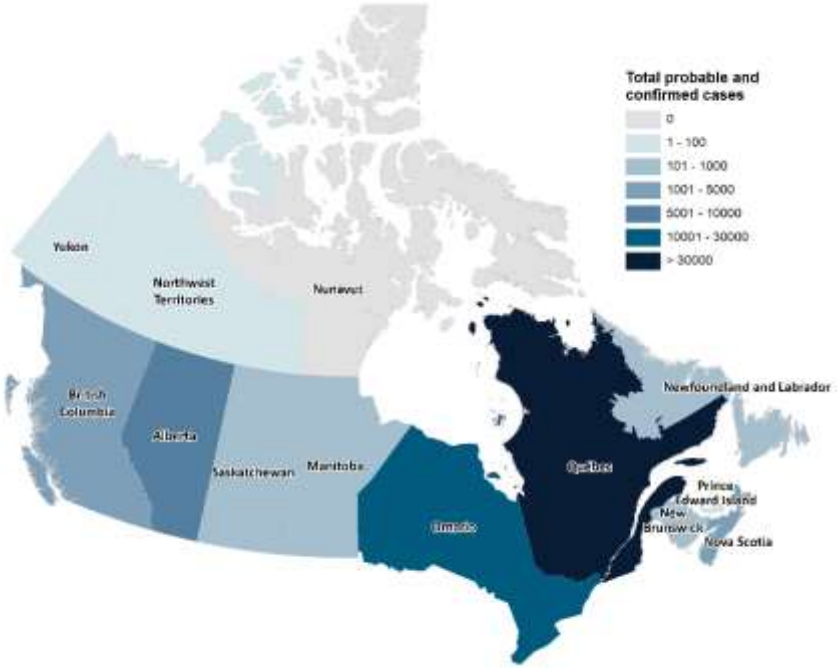
Updated: 25 May 2020, 11:00 ET

85 103 CONFIRMED CASES	**44 219 (52%)** RECOVERED	**6 453 (7.6%)** DEATHS
1 022 NEW CASES	**39 369** 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 11 jurisdictions within the past 24 hours.

Figure 1. Map of COVID-19 cases reported in Canada by province/territory (n=85 090*)



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 11 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 (3 984) and Ontario (2 102).

Table 1. Summary of COVID-19 cases reported in Canada by location as of 25 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	0	2 057	82%	157	0
AB	6 860	42	5 924	86%	135	0
SK	632	2	538	85%	7	0
MB	292	0	268	92%	7	0
ON	25 904	404	19 698	76%	2 102	29
QC	47 411	573	14 331	30%	3 984	44
NL	260	0	254	98%	3	0
NB	121	0	120	99%	0	0
NS	1 050	1	973	93%	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*	**85 103**	**1022**	**44 219**	**52%**	**6 453**	**73**

** 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 41 972 cases. Not all data fields are complete, only cases with data available are included. Data presented are as of 25 May at 11:00 (ET).

DEMOGRAPHIC DISTRIBUTION

- Thirty-four percent (34%) 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-four percent (54%) of cases are females.

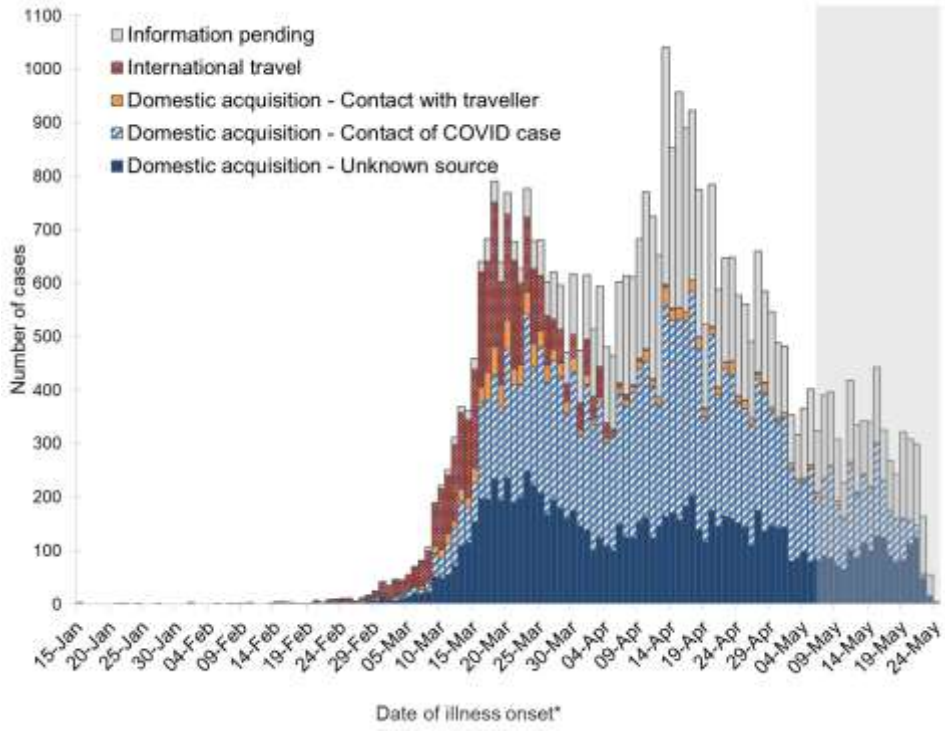
Table 2. Demographic characteristics of COVID-19 cases reported in Canada as of 25 May

Age (in years)		
Median	50	
Range	0-111	
Age groups	**n=41 431**	
≤ 19	2 358	(6%)
20-39	11 314	(27%)
40-59	13 349	(32%)
60-79	7 996	(19%)
80+	6 414	(15%)
Gender	**n=41 664**	
Female	22 704	(54%)
Male	18 943	(45%)
Other	17	(<1%)

TEMPORAL DISTRIBUTION BY EXPOSURE CATEGORY

- 3 803 cases (9%) reported having travelled outside of Canada, 27 121 (66%) cases are due to domestic acquisition, and 10 535 (26%) have information pending.

Figure 2. Number of newly reported COVID-19 cases in Canada, by date of illness onset and exposure (n=40 419)



**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.*

LABORATORY TESTING

Over **1 479 838 people** have been tested for COVID-19 in Canada (Table 3). This corresponds to a test rate of **39 369** per million population. The percent positive is **5.4%**, which represents the number of positive tests to the total number of tests undertaken.

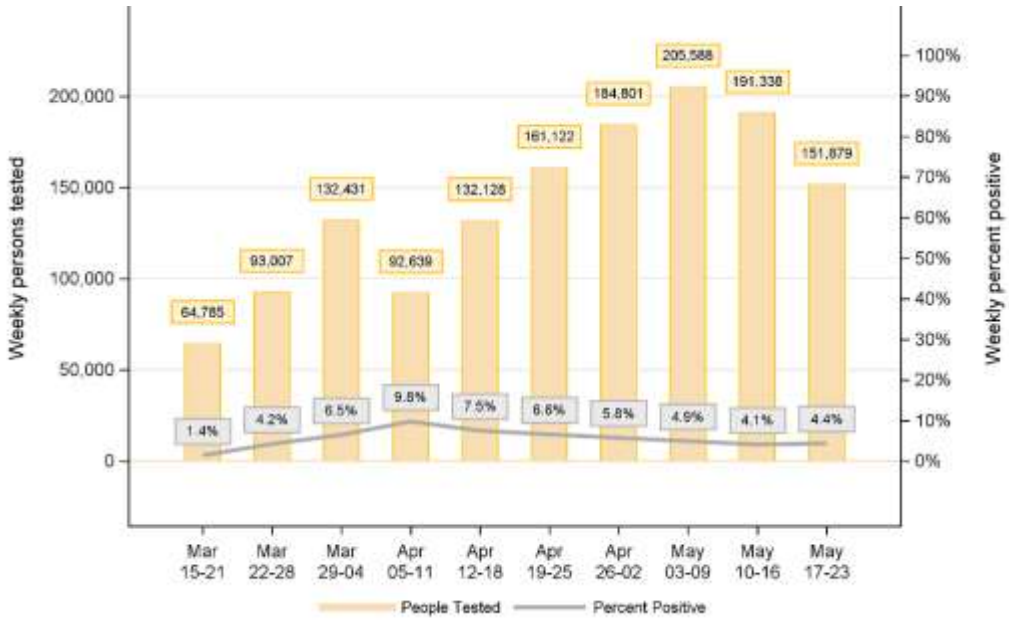
Table 3. Summary of COVID-19 testing reported in Canada by location as of 25 May

Location	Total people tested¥	New tests since last report	People tested per 1 000 000 pop'n
BC	114 805	1 646	22 638
AB	216 168	3 444	49 451
SK	40 304	379	34 317
MB	38 072	1 047	27 801
ON	599 280	7 903	41 141
QC	389 618	9 557	45 919
NL	11 333	48	21 730
NB	21 032	268	27 074
NS	39 836	506	41 009
PE	5 553	71	35 381
YK	1 145	0	28 027
NT	1 906	0	42 520
NU	710	3	18 308
Total*	**1 479 838**	**24 872**	**39 369**

*¥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 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

CLINICAL PRESENTATIONS

- Of the **4 212** cases for which 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 25 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.*

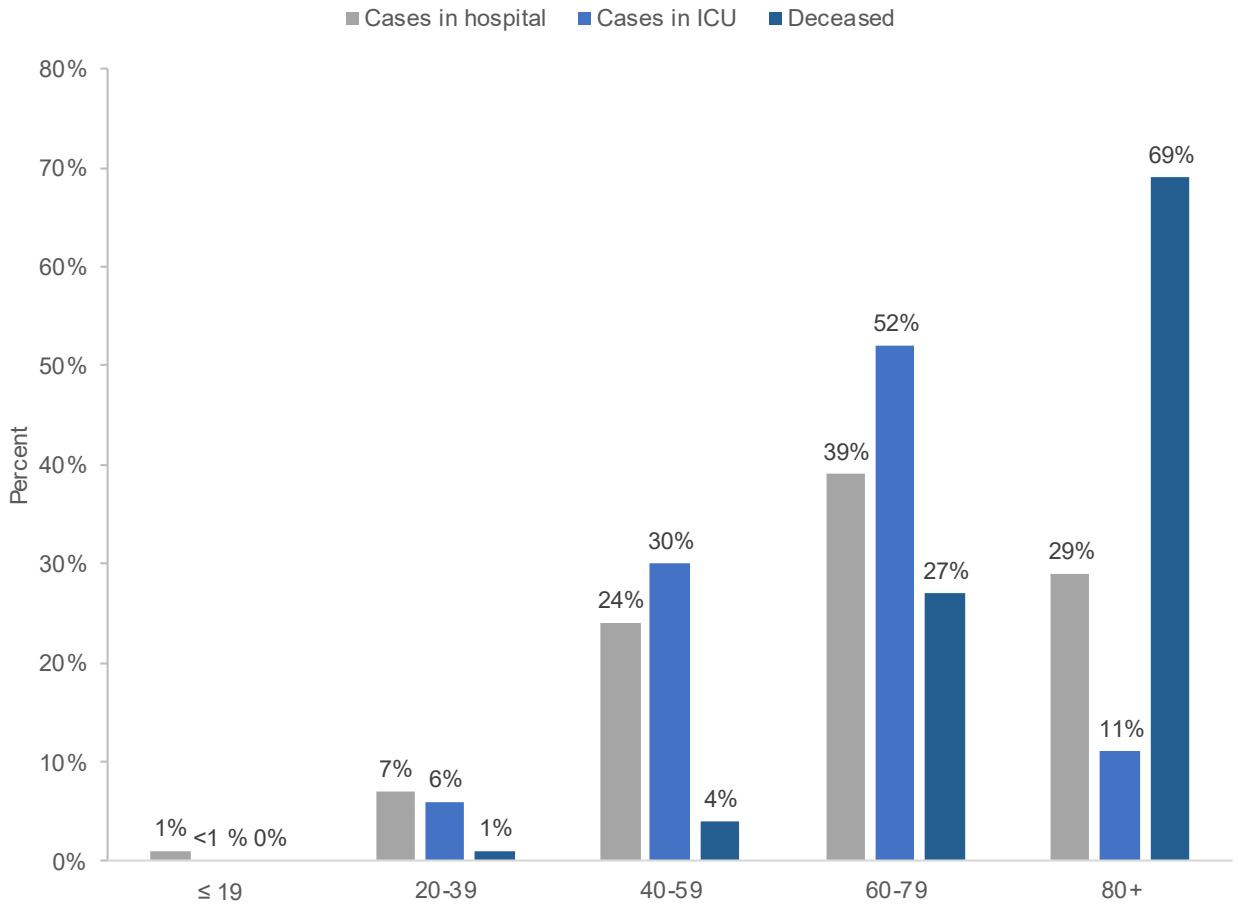
CASE SEVERITY

- **4 543** cases (**17%**) reported hospitalization, including **994** (**22%**) admitted to the ICU, and **172** (**4%**) of hospitalizations requiring mechanical ventilation.
- From the 974 hospitalized cases for which clinical presentation was reported, 744 (74%) reported one or more pre-existing conditions.
- Individuals ages ≥ 60 years comprise:
  - 68% of hospital admissions
  - 63% 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 25 May

	All Hospitalizations		Admitted to ICU		Deceased	
Gender						
Female	2 067	(46%)	361	(36%)	1 238	(52%)
Male	2 461	(54%)	631	(64%)	1 133	(48%)
Other	2	(<1%)				
Total	**4 530**	**(100%)**	**992**	**(100%)**	**2 371**	**(100%)**

Figure 4. Age distribution of COVID-19 cases hospitalized, admitted to ICU and deceased in Canada as of 25 May



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.

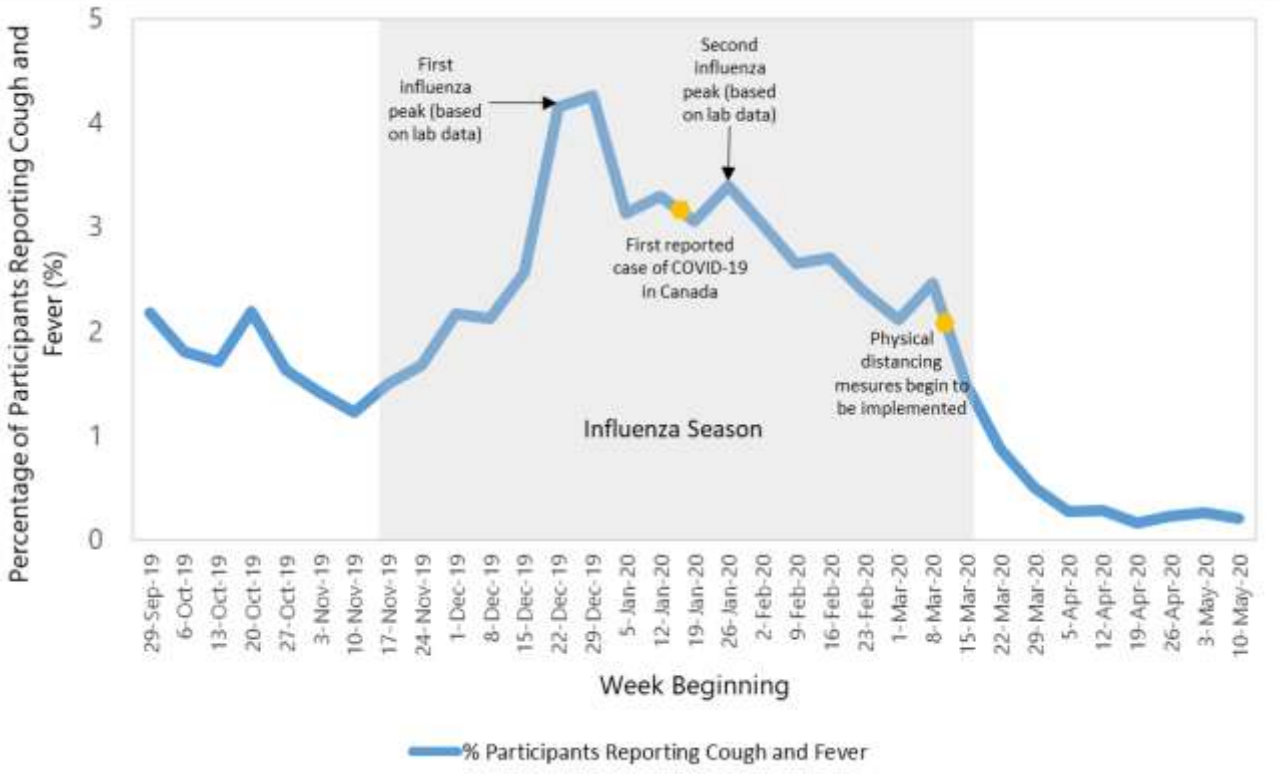
In the week of May 10, 2020, 10 953 participants reported into the FluWatchers program. A total of 22 participants (0.2%) reported cough and fever.

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)

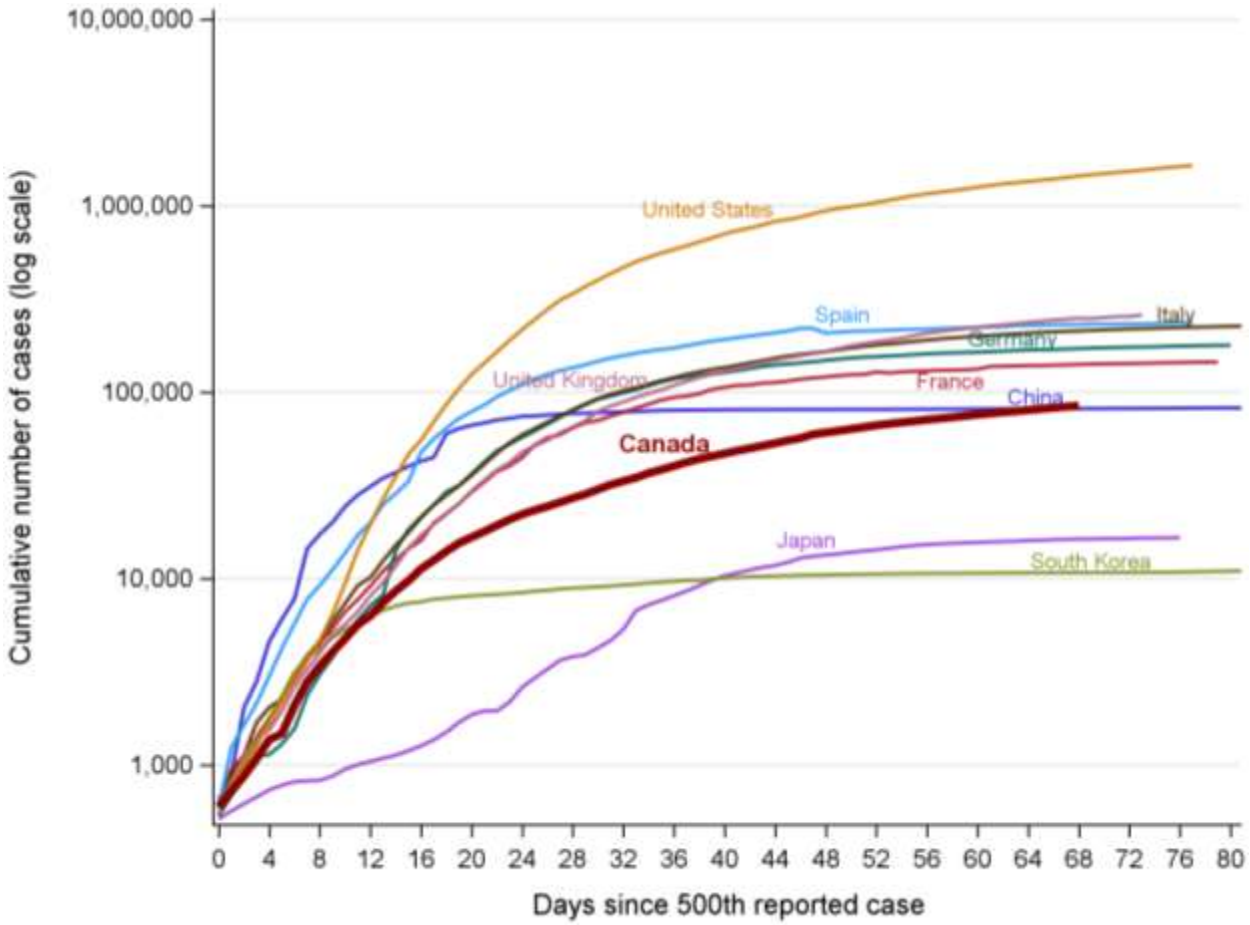


INTERNATIONAL

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.*