

# COVID-19 IN CANADA

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

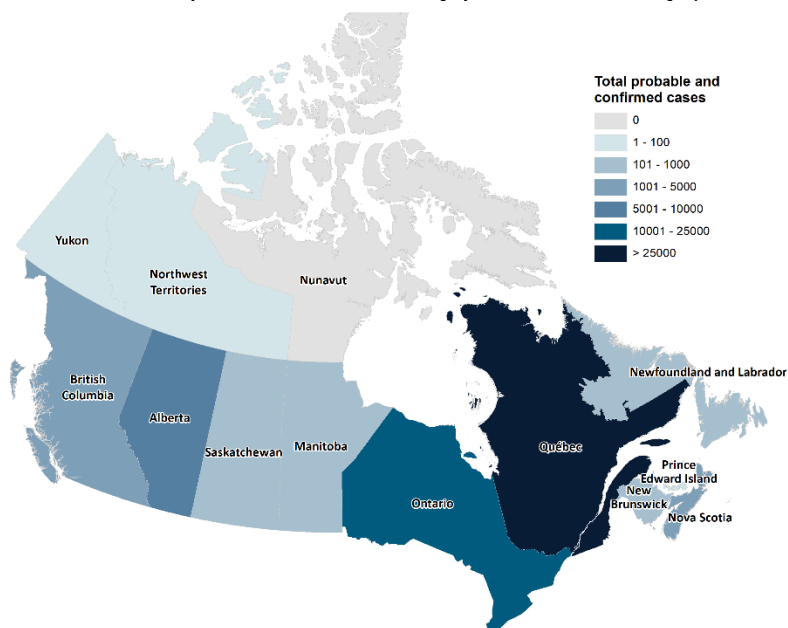
Updated: 19 May 2020, 11:00 ET

<b>78 499</b> CONFIRMED CASES	<b>39 498 (50%)</b> RECOVERED	<b>5 857 (7.5%)</b> DEATHS
<b>1 193</b> NEW CASES	<b>35 570</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 (85%) and deaths (94%) continue to be reported from Quebec and Ontario.
- No new cases have been reported in six 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=78 486\*)



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

\*The total n excludes 13 repatriated travelers.

# COVID-19 IN CANADA

## NATIONAL OVERVIEW

- For the past seven days:
  - No new cases have been reported in Newfoundland, New Brunswick, Prince Edward Island, Yukon, Northwest Territories, and Nunavut.
- In the past 24 hours:
  - Fewer than five cases have been reported in Manitoba and Nova Scotia, and no new cases were reported in Saskatchewan.
  - No new deaths were reported in nine jurisdictions.
- The majority of deaths (94%) were reported from Quebec (3 596) and Ontario (1 919).

**Table 1:** Summary of COVID-19 cases reported in Canada by location as of 19 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	2 444	16	1 966	80%	143	2
AB	6 683	39	5 519	83%	128	1
SK	592	0	455	77%	6	0
MB	290	1	257	89%	7	0
ON	23 384	427	17 898	77%	1 919	15
QC	43 627	707	12 045	28%	3 596	34
NL	260	0	249	96%	3	0
NB	120	0	120	100%	0	0
NS	1 043	3	946	91%	55	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
Repatriated travellers*	13	0	Unknown	Unknown	0	0
<b>Total</b>	<b>78 499</b>	<b>1 193</b>	<b>39 498</b>	<b>50%</b>	<b>5 857</b>	<b>52</b>

\* 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.

PHAC receives detailed case information from provinces and territories. The epidemiology update is based on information received for 38 746 cases. Not all data fields are complete, only cases with data available are included. Data presented are as of 19 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.

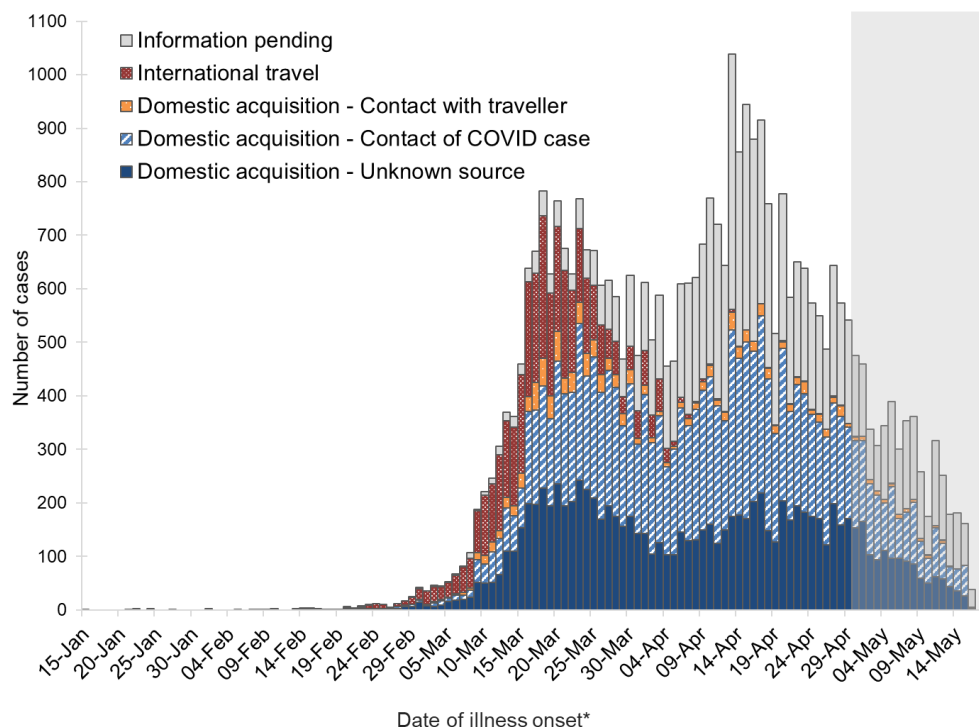
**Table 2.** Demographic characteristics of COVID-19 cases reported in Canada as of 19 May 2020

Age (in years)			
Median		51	
Range		0-111	
Age groups		n=38 206	
≤ 19		2 106	(6%)
20-39		10 229	(27%)
40-59		12 377	(32%)
60-79		7 483	(20%)
80+		6 011	(16%)
Gender		n=38 496	
Female		21 125	(55%)
Male		17 356	(45%)
Other		15	(0%)

## TEMPORAL DISTRIBUTION BY EXPOSURE CATEGORY

- 3 781 cases (10%) reported having travelled outside of Canada, 24 070 (63%) cases are due to domestic acquisition, and 10 349 (27%) have information pending.

**Figure 2.** Number of newly reported COVID-19 cases in Canada, by date of illness onset and exposure category (n=37 145)



*\*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 **1 337 043** people have been tested for COVID-19 in Canada (Table 3). This corresponds to a test rate of **35 570** 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 19 May 10:30 ET

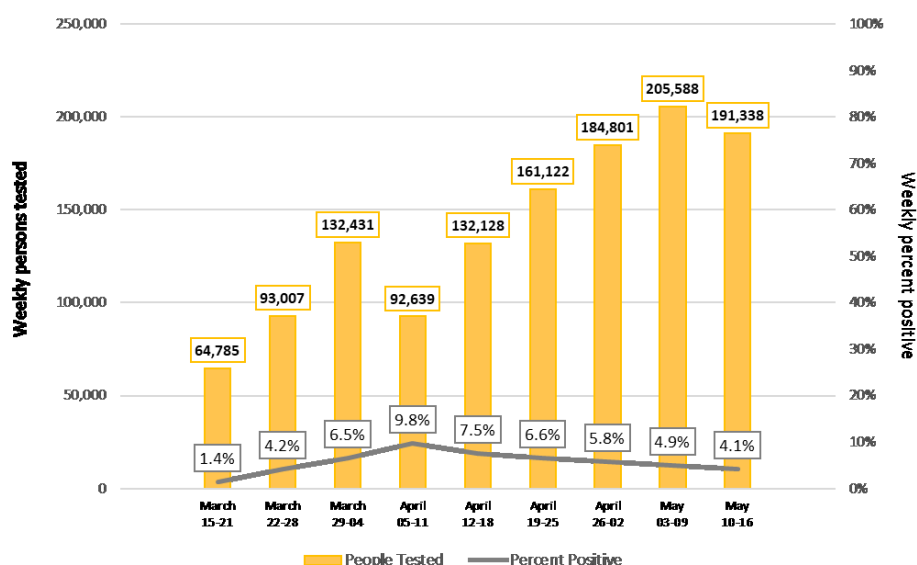
Location	Total people tested*	New tests since last report	People tested per 1 000 000 pop'n
BC	105 952	874	20 892
AB	199 237	2 928	45 578
SK	38 064	367	32 410
MB	34 892	850	25 479
ON	541 489	5 623	37 173
QC	341 102	5 870	40 201
NL	10 744	71	20 600
NB	19 453	193	25 042
NS	37 594	188	38 701
PE	4 761	0	30 335
YK	1 124	0	27 513
NT	1 890	766	42 163
NU	665	5	17 148
<b>Total*</b>	<b>1 337 043</b>	<b>17 735</b>	<b>35 570</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 2020, 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 AND OUTCOME

- Of the **4 201** cases for which the clinical presentation was reported, **561** cases (13%) reported having been clinically or radiologically diagnosed with pneumonia.
- Among those 561 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 19 May 2020

Clinical presentation	By age group		Overall **
	0-59	$\geq 60$	
<b>Pre-existing conditions</b>	<b>n= 5 712</b>	<b>n= 2 541</b>	<b>n= 8 745</b>
Cardiac	287 (5%)	867 (34%)	1 208 (14%)
Respiratory disease	565 (10%)	466 (18%)	1 085 (12%)
Diabetes	287 (5%)	513 (20%)	848 (10%)
<b>Symptoms</b>	<b>n= 5 928</b>	<b>n= 2 531</b>	<b>n= 8 702</b>
Cough	4 238 (71%)	1 747 (69%)	6 392 (73%)
Headache	3 586 (60%)	920 (36%)	4 822 (55%)
Weakness	3 079 (52%)	1 257 (50%)	4 658 (54%)
Fever	2 551 (43%)	1 188 (47%)	3 984 (46%)
<b>Clinical evaluations, complications or diagnosis</b>	<b>n= 2 642</b>	<b>n= 1 296</b>	<b>n= 4 201</b>
Pneumonia	221 (8%)	318 (25%)	561 (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

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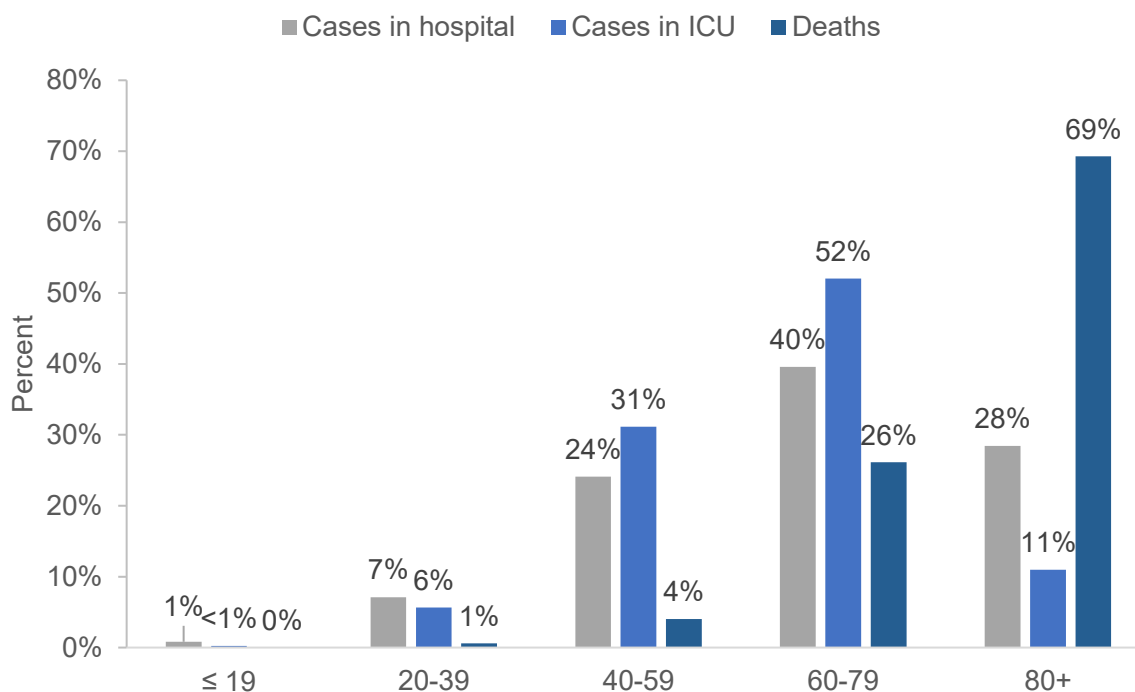
## CASE SEVERITY

- **4 232** cases (**17%**) reported hospitalization, including **935** (**22%**) admitted to the ICU, and **168** (**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:
  - 68% of hospital admissions
  - 63% of ICU admissions
  - 95% of deaths

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

Case Severity						
All Hospitalizations			Admitted to ICU		Deceased	
Age groups						
≤ 19	34	(1%)	2	(<1%)	0	(0%)
20-39	297	(7%)	52	(6%)	13	(1%)
40-59	1 008	(24%)	287	(31%)	88	(4%)
60-79	1 655	(40%)	480	(52%)	573	(26%)
80+	1 189	(28%)	101	(11%)	1 520	(69%)
Total	4 183	(100%)	922	(100%)	2 194	(100%)
Gender						
Female	1 922	(46%)	336	(36%)	1 144	(53%)
Male	2 296	(54%)	597	(64%)	1 028	(47%)
Other	2	(<1%)				
Total	4 220	(100%)	933	(100%)	2 172	(100%)

**Figure 4.** Proportion of COVID-19 cases hospitalized, admitted to ICU and deaths in Canada, by age group, as of 19 May 2020



# 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 3, 2020, 10,795 participants reported into the FluWatchers program. A total of 28 participants (0.2%) reported cough and fever.

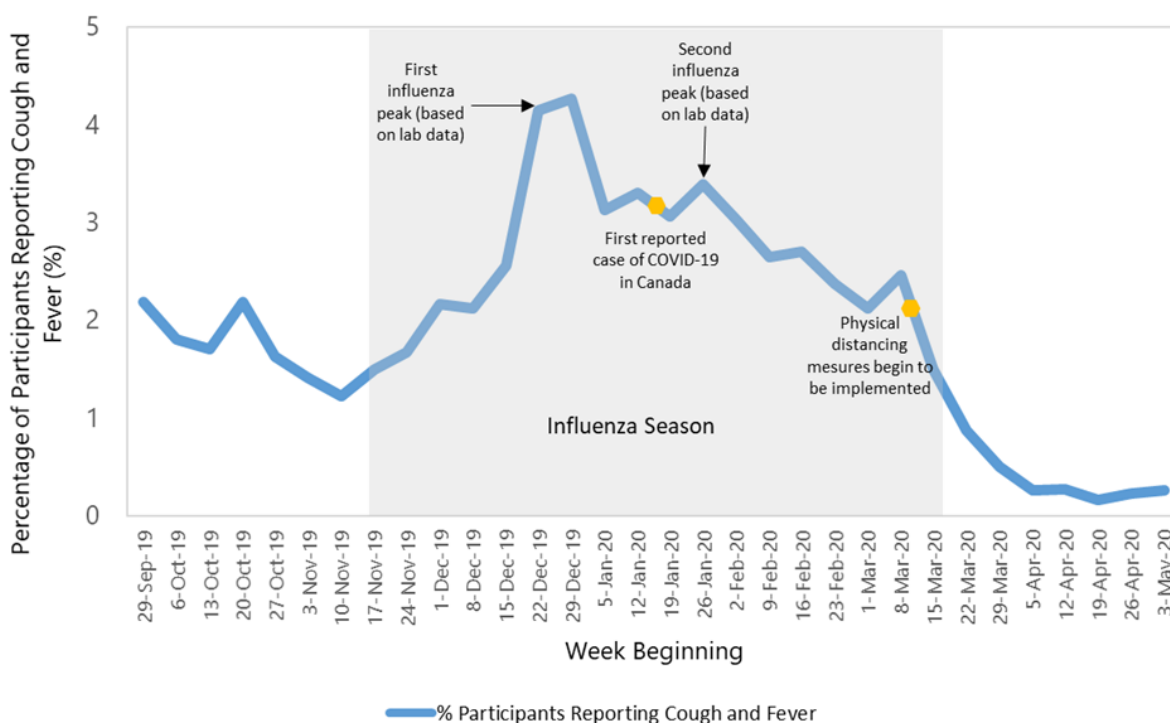
Among the 28 participants reporting cough and fever:

- 11 (40%) sought medical attention
- 7 (25%) were tested
  - 3 tests were positive for COVID-19, 3 tests were negative and one did not have a result at the time of reporting

Additionally, 232 participants (2%) reported having a cough and at least one other symptom\* in the week of May 3, 2020. Twenty-one of these participants reported being tested and one test was positive for COVID-19 (18 tests were negative and 2 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=10 795 the week of May 3, 2020)



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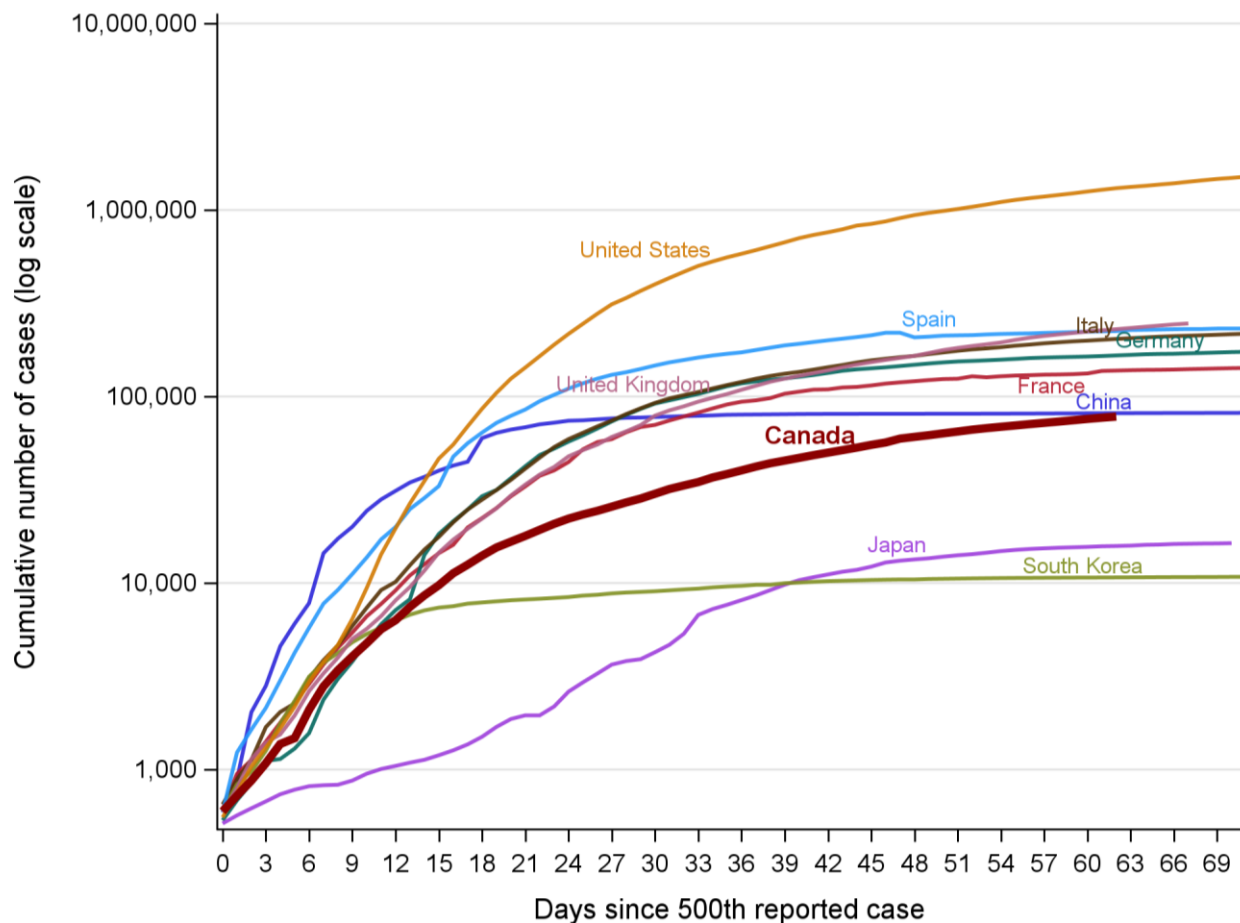
## INTERNATIONAL

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