

COVID-19 IN CANADA

CORONAVIRUS DISEASE 2019 (COVID-19) DAILY EPIDEMIOLOGY UPDATE

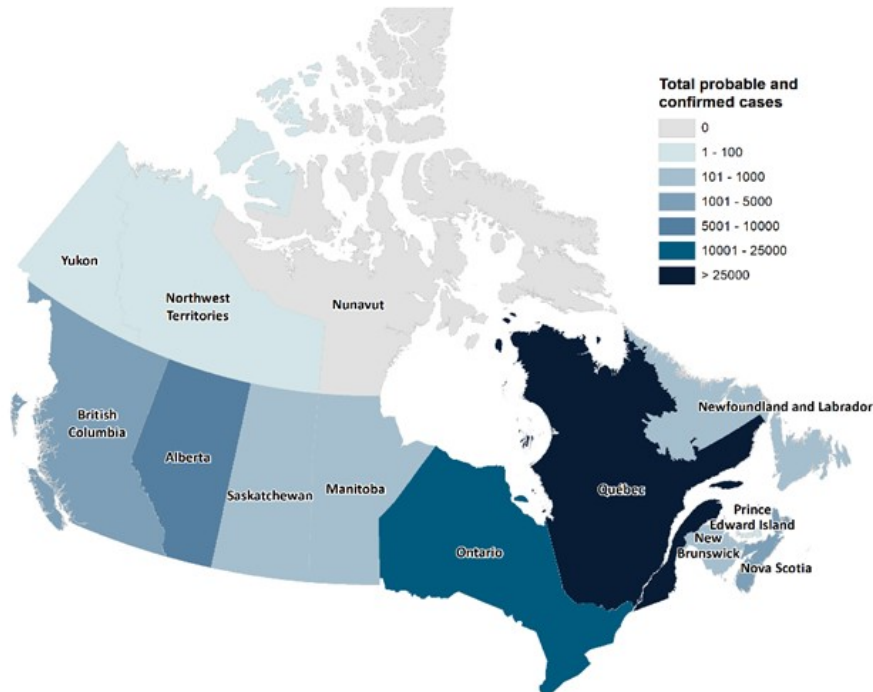
Updated: 16 May 2020, 11:00 ET

75 004 CONFIRMED CASES	37 274 (50%) RECOVERED	5 595 (7.5%) DEATHS
1 175 NEW CASES	33 669 PEOPLE TESTED PER 1 000 000	5.5% 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 were reported in nine jurisdictions within the past 24 hours.

Figure 1. Map of COVID-19 cases reported in Canada by province/territory (n=74 991*)



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 10 cases have been reported in Saskatchewan and Nova Scotia.
 - No new deaths were reported in eight jurisdictions.
- The majority of deaths (94%) were reported from Quebec (3 401) and Ontario (1 858).

Table 1: Summary of COVID-19 cases reported in Canada by location as of 16 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	2 407	15	1 908	79%	140	5
AB	6 515	58	5 317	82%	125	4
SK	590	8	408	69%	6	0
MB	289	0	254	88%	7	0
ON	22 313	391	17 020	76%	1 858	33
QC	41 420	696	11 039	27%	3 401	50
NL	260	-1 [†]	248	95%	3	0
NB	120	0	119	99%	0	0
NS	1 034	8	918	89%	55	4
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
Total	75 004	1 175	37 274	50%	5 595	96

[†] On May 15, 2020, Newfoundland and Labrador announced that a previous positive test was determined to be inconclusive

* 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 37 966 cases. Not all data fields are complete, only cases with data available are included. Data presented are as of 16 May at 11:00 (ET).

COVID-19 IN CANADA

DEMOGRAPHIC DISTRIBUTION

- **13 244** cases (36%) 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.

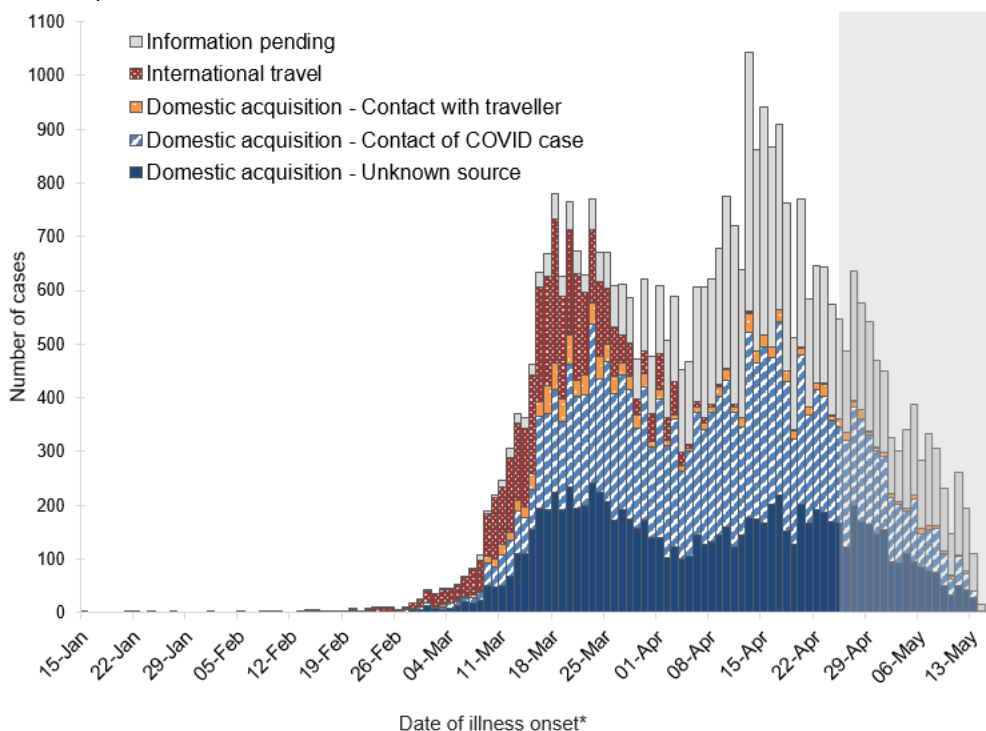
Table 2. Demographic characteristics of COVID-19 cases reported in Canada as of 16 May 2020

Age (in years)			
Median		51	
Range		0-111	
Age groups		n=37 427	
≤ 19		2 059	(6%)
20-39		9 985	(27%)
40-59		12 139	(32%)
60-79		7 355	(20%)
80+		5 889	(16%)
Gender		n=37 718	
Female		20 733	(55%)
Male		16 969	(45%)
Other		16	(0%)

TEMPORAL DISTRIBUTION BY EXPOSURE CATEGORY

- Since 15 March 2020, the majority of cases reported have been due to community transmission.
- 3 774 cases (10%) reported having travelled outside of Canada and 23 343 (62%) 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=36 366)



**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 **1 265 578** people have been tested for COVID-19 in Canada (Table 3). This corresponds to a test rate of 33 669 per million population. The percent positive is **5.5%**, 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 16 May 10:30 ET

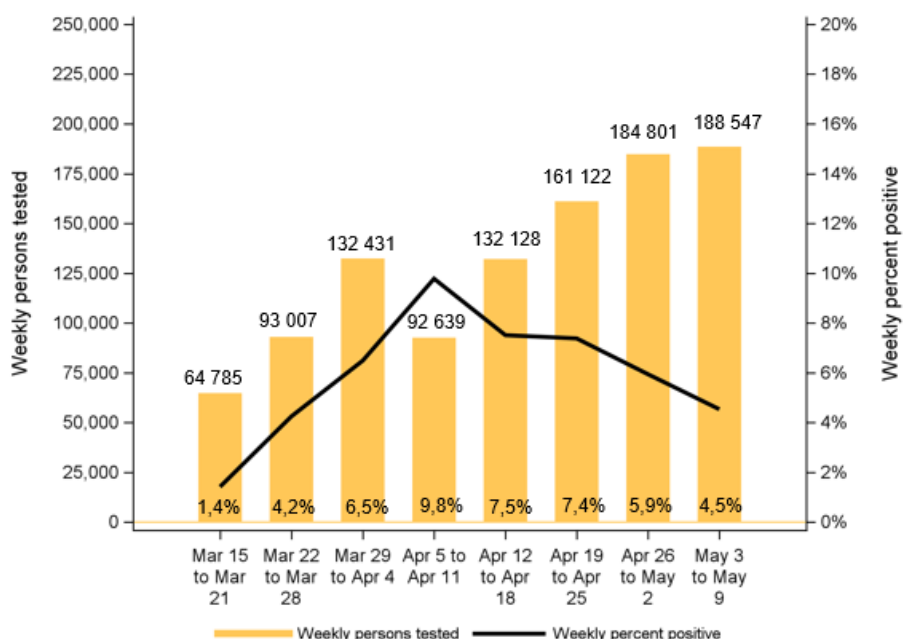
Location	Total people tested*	New tests since last report	People tested per 1 000 000 pop'n
BC	101 886	1 597	20 091
AB	189 225	3 680	43 288
SK	36 817	731	31 348
MB	32 492	0	23 726
ON	511 323	17 187	35 103
QC	319 472	8 604	37 652
NL	10 524	181	20 179
NB	18 775	266	24 169
NS	36 916	329	38 003
PE	4 469	0	28 475
YK	1 124	5	27 513
NT	1 851	10	41 293
NU	628	0	16 194
Total*	1 265 578	32 590	33 669

‡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 3 to 9, **188 547** persons were tested and the daily average percent positive over that same period was **4.5%** (Figure 3).

Figure 3: Number of persons tested for COVID-19 and percent positive by week



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 ≥ 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 16 May 2020

Clinical presentation	By age group		Overall **
	0-59	≥ 60	
Pre-existing conditions	n= 5 712	n= 2 541	n= 8 745
Cardiac	287 (5%)	867 (34%)	1 208 (14%)
Respiratory disease	565 (10%)	466 (18%)	1 086 (12%)
Diabetes	288 (5%)	513 (20%)	849 (10%)
Symptoms	n= 5 928	n= 2 531	n= 8 702
Cough	4 238 (71%)	1 747 (69%)	6 392 (73%)
Headache	3 586 (61%)	920 (36%)	4 822 (55%)
Weakness	3 078 (52%)	1 257 (50%)	4 658 (54%)
Fever	2 551 (43%)	1 188 (47%)	3 984 (46%)
Clinical evaluations, complications or diagnosis	n= 2 642	n= 1 296	n= 4 201
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

COVID-19 IN CANADA

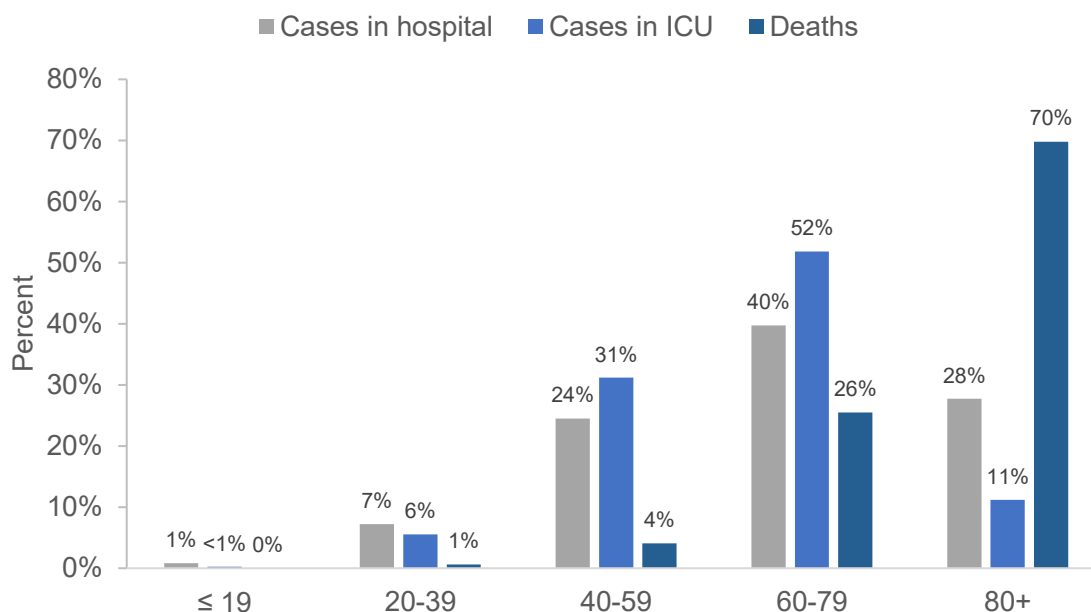
CASE SEVERITY

- **4 101** cases (**17%**) reported hospitalization, including **926** (**23%**) 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 ≥ 60 years comprise:
 - 68% of hospital admissions
 - 63% of ICU admissions
 - 96% of deaths

Table 5. Clinical presentation summary of COVID-19 cases reported in Canada as of 16 May 2020

Case Severity						
	All Hospitalizations		Admitted to ICU		Deceased	
Age groups						
≤ 19	33	(1%)	2	(0%)	0	(0%)
20-39	294	(7%)	51	(6%)	13	(1%)
40-59	991	(24%)	285	(31%)	86	(4%)
60-79	1 608	(40%)	473	(52%)	552	(26%)
80+	1 126	(28%)	102	(11%)	1 488	(70%)
Total	4 052	(100%)	913	(100%)	2 139	(100%)
Gender						
Female	1 852	(45%)	329	(36%)	1 123	(53%)
Male	2 235	(55%)	595	(64%)	994	(47%)
Other	2	(<1%)				
Total	4 089	(100%)	924	(100%)	2 117	(100%)

Figure 4. Proportion of COVID-19 cases hospitalized, admitted to ICU and have died in Canada, by age group, as of 16 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.

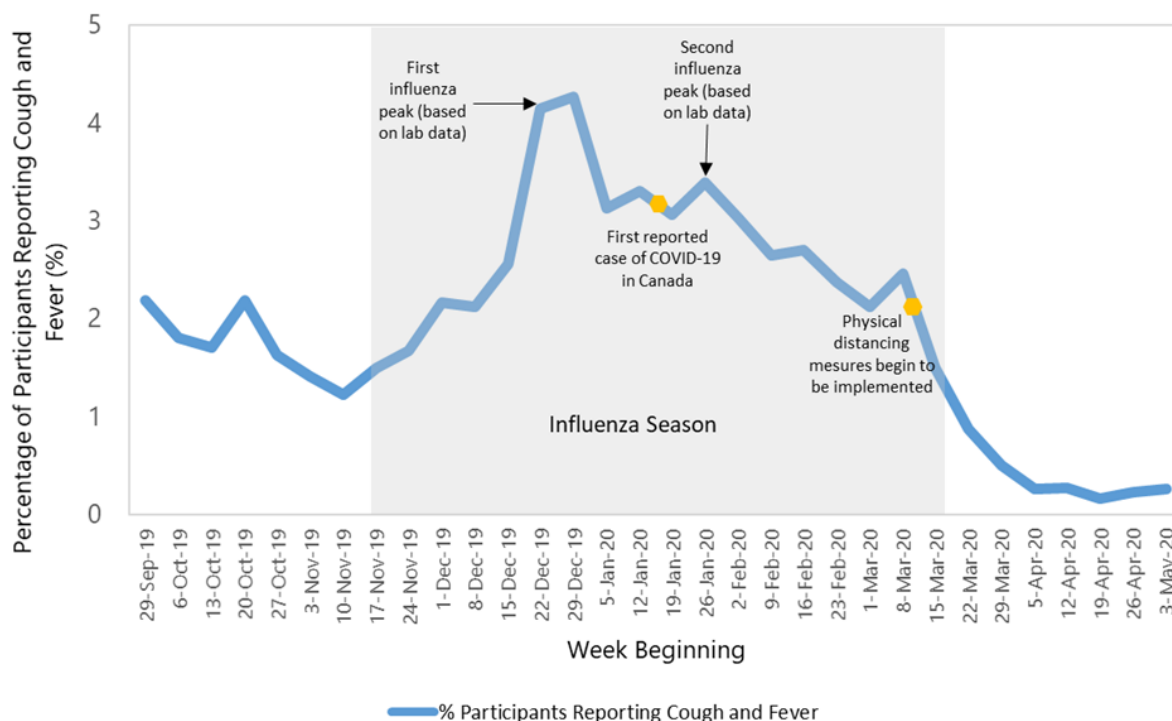
Among the 28 participants reporting cough and fever:

- 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 8: Percentage of FluWatchers Participants Reporting Cough and Fever (N=10 795 the week of May 3, 2020)



COVID-19 IN CANADA

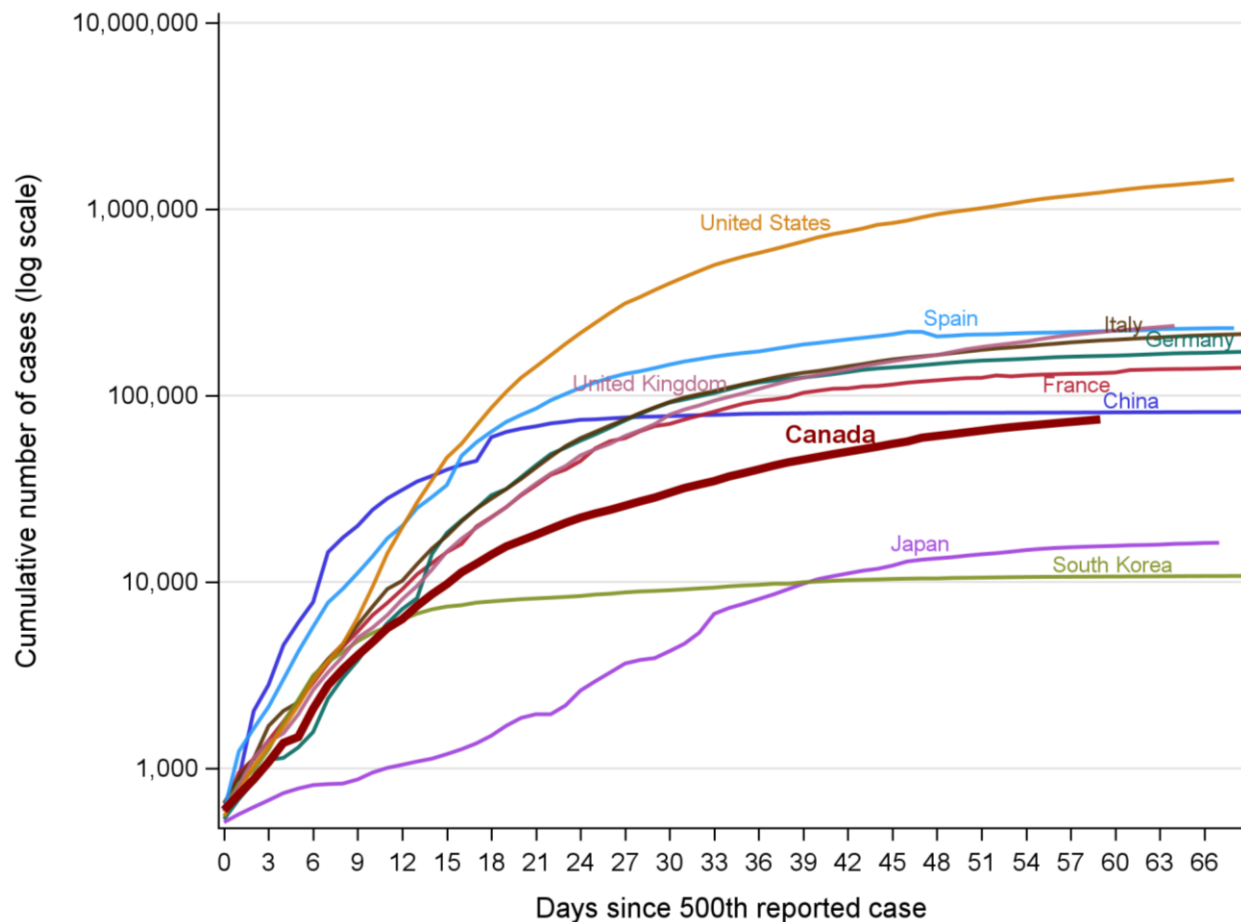
INTERNATIONAL

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 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 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.