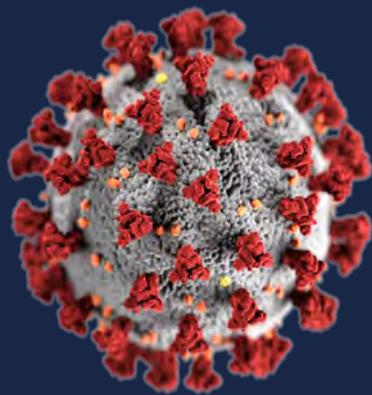




**Paladin  
Risk Solutions**



# **COVID-19**

## **INTELLIGENCE REPORT**

**Situational Awareness for:**

Stakeholders and Decision Makers

**23 October 2020**



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	Confirmed	Deaths	Recovered	Active
Canada	39,895 (↑826)	1,875 (↑9)	33,542 (↑733)	4,477 (↑84)
USA	1,647,029	43,409	1,074,780	528,840
Global	8,005,403	217,473	5,937,331	1,850,598

NOTE: Paladin Risk Solutions is now utilizing a secure cloud application to provide multiple layers of protection on the web and prevent exposure of open source intelligence gathering and dark web investigations. This software enables research teams to maximize security, accelerate intelligence gathering and analysis, streamline network operations, and ensure full control and auditability of all research activity.

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## 2. INSIGHT and SITUATIONAL AWARENESS

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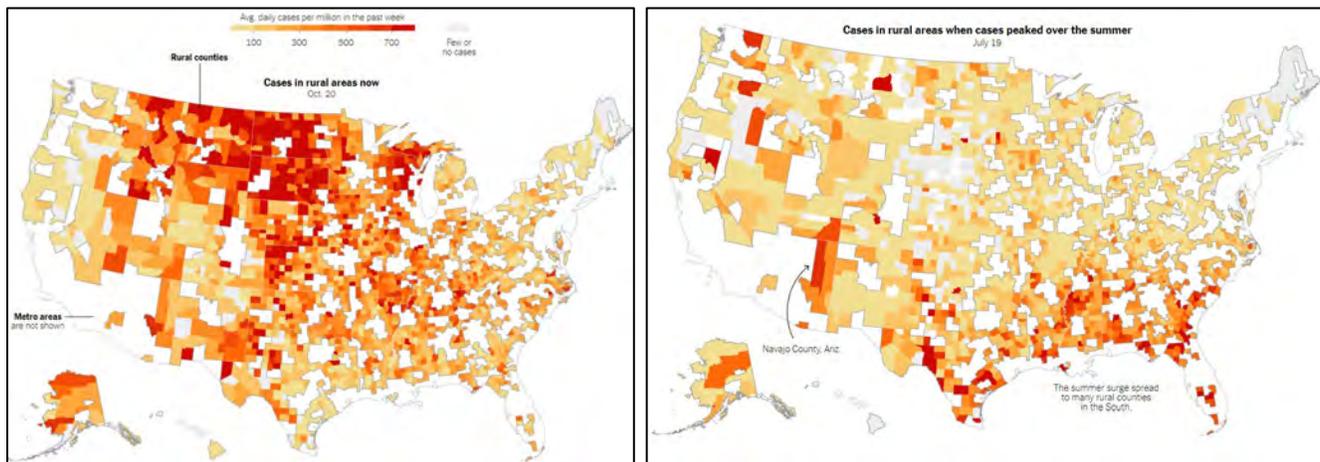
**Close Contact Definition.** This week, the American Centres for Disease Control (CDC) have updated their definition of close contact. A close contact is an individual who would be required to be tracked down and recommended to quarantine due to their contact with an infectious person. Previously, a close contact would be a person who has spent more than 15 minutes within six feet of a positive COVID-19 case. The new definition includes anyone who has spent a cumulative 15 minutes or more within six feet of a person who was infectious. This time was not required to be consecutive but cumulative, over a 24-hour period. The changes stem from a recent study which looked at correctional officers who have likely contracted COVID-19 from multiple but brief interactions with positive COVID-19 prisoners. During these interactions, the officers seemed to be within six feet of the prisoners for numerous short times, with one officer's interactions totalling just about 17 minutes, causing him to become infected. Some of the prisoners were wearing masks, and the officer always wore a gown, microfiber cloth mask and eye protection. It is not believed the correctional officer was exposed to the virus elsewhere as he had no known contact with any other infectious person, and at that time, the cases in the county and the rest of the facility were low, suggesting he could not have caught it outside of his workplace. However, factors such as the environment are still at play, with no information regarding the ventilation system in the facility, which may have contributed to the risk of infection. As such, this study's results cannot be generalized due to its small sample size and the type of environment in which this incident took place.

It is currently unknown what an infectious dose of COVID-19 is, but it is believed that the more one spends with a person who is ill and is thus exposed to the virus, the more likely they are to get COVID-19. Some theories have been made on whether a higher viral load causes a more severe infection, but these have yet to be confirmed. The previous instruction of 15 consecutive minutes was never a precise threshold, as transmission depends on various other factors including ventilation, whether a mask is worn and how infectious the person is at the current stage. It was used as a standard for decision making on who should be followed up in contact tracing and possibly required to quarantine. As more information is learned by researchers, health measures will continue to change and improve. It does not appear that Canadian measures have been changed to reflect the information contained within the aforementioned study.

**Contact Tracing.** North Dakota health officials can no longer conduct contact tracing, and are requesting to self-notify their close contacts. The North Dakota National Guard, which is using soldiers to assist with contact tracing, has instead ordered them to notify positive cases instead of contact tracing, showing they can no longer keep up with the number of positive cases. Contact tracing has also been put on hold at the beginning of the month in Ontario, due to lack of resources and surging infections. In Puerto Rico, two 911 call centres were shut down due to staff testing positive, and residents are required to call regular numbers consisting of ten digits during an emergency. Contact tracing apps, which have been deployed in various states and provinces, do not appear to be making a difference on COVID-19 spread. Originally, it was suggested that if 56% of the UK population downloaded the app, it could end the pandemic. However, countries which have implemented the measures have not seen a large number of downloads; Germany has a download rate of 20% of the population, while Italy is at 14% and France at 3%. The most successful countries were Iceland and Singapore, with download rates of 40%. The rate of download is important – if only 20% of the population downloads the app, there is a 4% chance of being nearby another app user. However, at a 40% rate, the probability reaches 16%. Oxford researchers still suggest that having a 15% download rate can decrease infections by 4% to 12% and deaths from 2% to 15%. Lack of trust and fear or

privacy concerns appear to be the major reasons for individuals to not download the apps. Furthermore, some populations may be less likely to have access to a cellular phone, such as those that are disadvantaged, the elderly or those who are not technologically adept. Singapore has come up with a token which can be worn on clothing or accessories which functions similarly to the application.

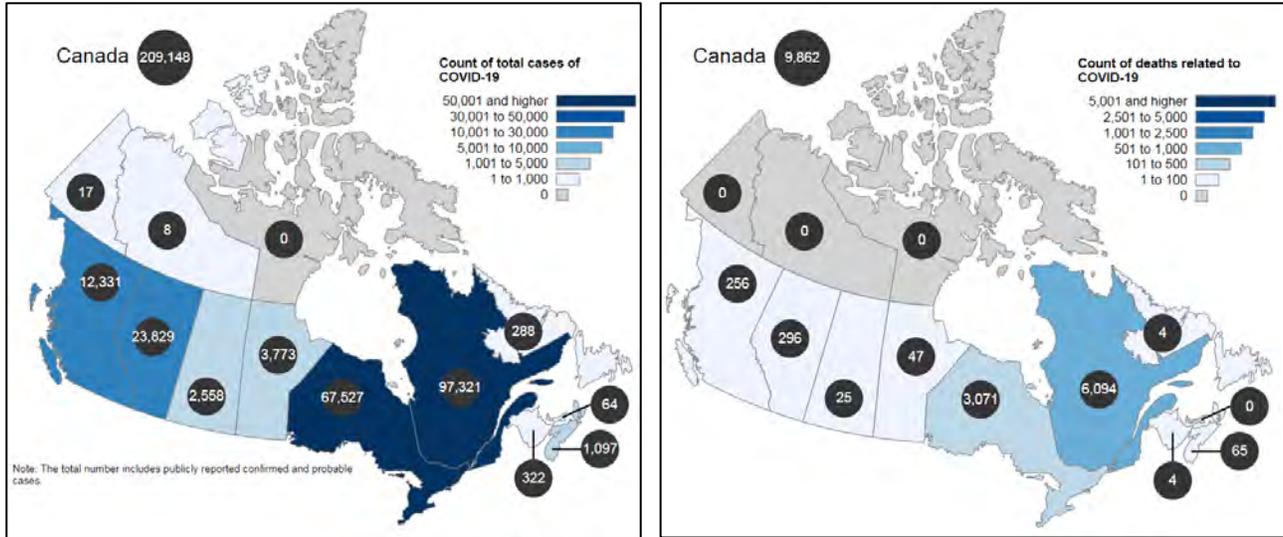
**Rural USA cases.** Since August, the USA has seen more severe outbreaks in rural areas, which have not previously seen a bigger spike than metro areas. Both positive numbers, hospitalizations and deaths appear to be more severe in rural areas, with one in four deaths stemming from a rural county in comparison to spring, where almost all deaths were located in a metro area. Individuals living in rural areas may believe they have more space to distance, and may also believe that the virus has not made it as far as their town. Rural areas also tend to have older communities where retired individuals may reside, and also contain less access to medical treatment. These factors will increase the likelihood of a negative outcome for those infected with COVID-19 in rural areas.



**Child Exploitation.** According to the US National centre for Missing and Exploited Children, their tip line has received almost double the amount of tips in comparison to the same period of last year. Children, whose internet usage has increased since the pandemic, may be conversing with individuals online and become coerced to send sexual photographs or asked to go on video to perform acts on camera. Sexual offenders are likely spending more time indoors, giving them more opportunities to utilize the internet for their exploits. Offenders groom children, having innocent conversations with them online which could lead to human trafficking or sextortion. The mental health and medical consequences of such acts leads to being a heavy cost to society, estimated to be \$210,000 annual per child. With police resources focused on COVID-19, it is becoming difficult for authorities to investigate all cases, and with funding not having increased to reflect the increasing level of child exploitation, it is likely many of these matters will not be investigated in due time. In September, Alberta police arrested 26 people in for online child sexual exploitation, speculating that the increase may be related to the COVID-19 isolation measures. Recommendations for parents include discussing social media matters with the child as well as using real media stories to highlight the risk of an online presence. Parents should also discuss the taboo subject of sharing sexual or private information, and general conversations regarding healthy or unhealthy relationships and establishing personal boundaries. Parents should also explain to their children that help can be sought if things have gone too far. Parents are encouraged to keep track of what the child visits online, and ensuring the child is aware of such monitoring.



### 3. COVID-19 IN CANADA

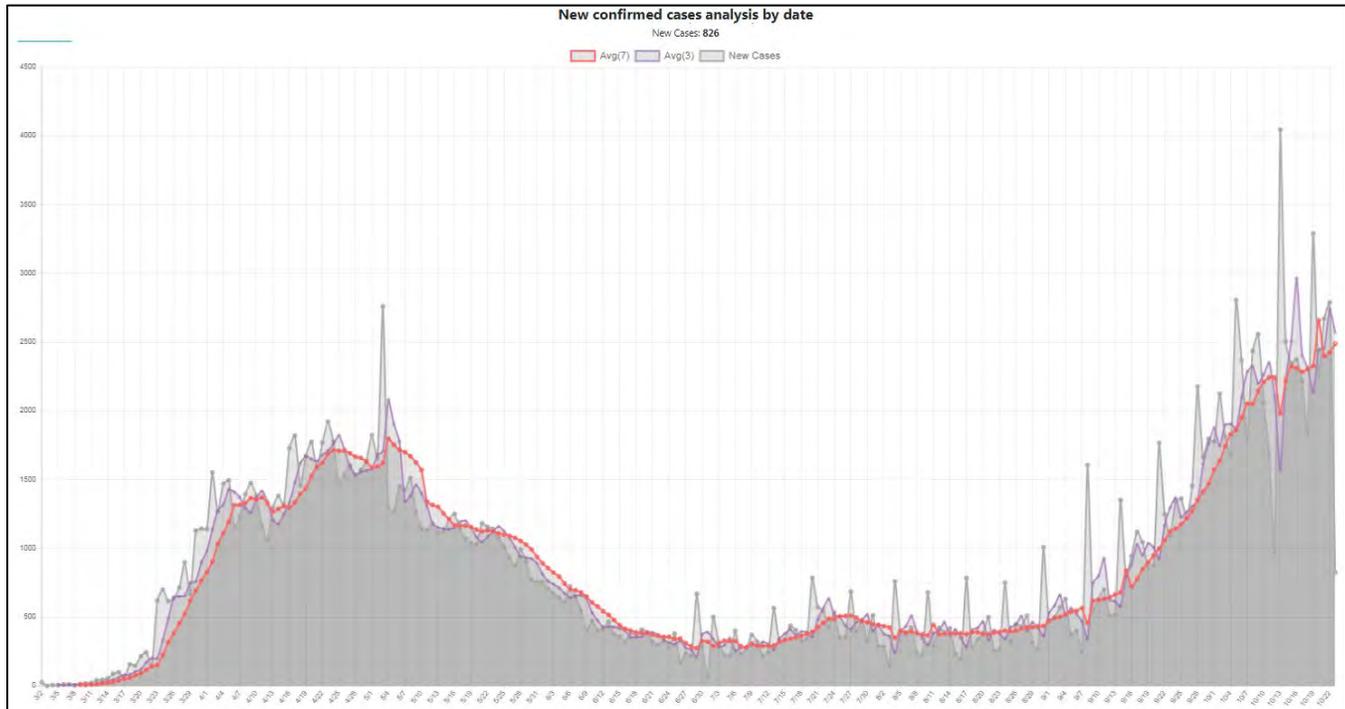


Source: <https://www.canada.ca/en/public-health/services/diseases/2019-novel-coronavirus-infection.html>

Prov.	Total Confirmed	Total Deaths	Total Recovered	Total Active
<b>Total</b>	<b>209,974</b> (↑826)	<b>9,871</b> (↑9)	<b>176,538</b> (↑733)	<b>23,565</b> (↑84)
BC	12,331	256	10,114	1,961
ON	68,353 (↑826)	3,080 (↑9)	58,799 (↑733)	6,474 (↑84)
QC	97,321	6,094	82,033	9,194
AB	23,829	296	20,014	3,519
MB	3,773	47	1,920	1,806
NB	322	4	237	81
SK	2,558	25	2,024	509
PEI	64	0	61	3
NL	288	4	275	9
NS	1,097	65	1,028	4
YT	17	0	15	2
NT	8	0	5	3
NU	0	0	0	0
	13	0	13	0
Rate of change	↑ 0.4%	↑ 0.1%	↑ 0.4%	↑ 0.4%



Prov.	Total Test	Total Waiting	Total Hosp	Total ICU
<b>Total</b>	<b>10,935,277 (+40,019)</b>	-	-	-
BC	757,517	-	71	24
ON	4,825,851 (+40019)	35436 (+652)	276 (+6)	78 (+4)
QC	2,887,226	-	553	101
AB	1,682,603	-	112	18
MB	233,222	-	42	8
NB	95,036	-	5	1
SK	240,203	-	21	3
PEI	42,377	60	-	-
NL	49,846	-	0	0
NS	108,062	-	0	0
YT	3,845	38	-	-
NT	6,085	49	0	0
NU	3,404	550	0	0
Rate of change	↑ <b>0.4%</b>	-	-	-



Source: <https://www.covid-19canada.com>



3.1. CANADA NEWS

- [Rapid testing at airports to replace mandatory quarantine for international travellers](#)
- [Alberta introduces COVID-19 pilot project that could reduce quarantine times for international travel](#)
- [Manitoba reports deadliest day of COVID-19 pandemic](#)
- [B.C. announces record-high 203 new cases of COVID-19 and 1st outbreak at a B.C. school](#)
- [When did you last work? 1.3M jobless Canadians have passed critical 6-month mark](#)
- [Ontario reports 841 new coronavirus cases, 9 more deaths](#)
- [‘Chances are low’ restaurants in coronavirus red zones will reopen soon, Quebec premier says](#)
- [If I stay 6 feet away from others, do I still need a mask? Experts say it depends](#)
- [School re-openings have avoided 'catastrophe,' says Ontario doctor](#)

4. COVID-19 IN USA





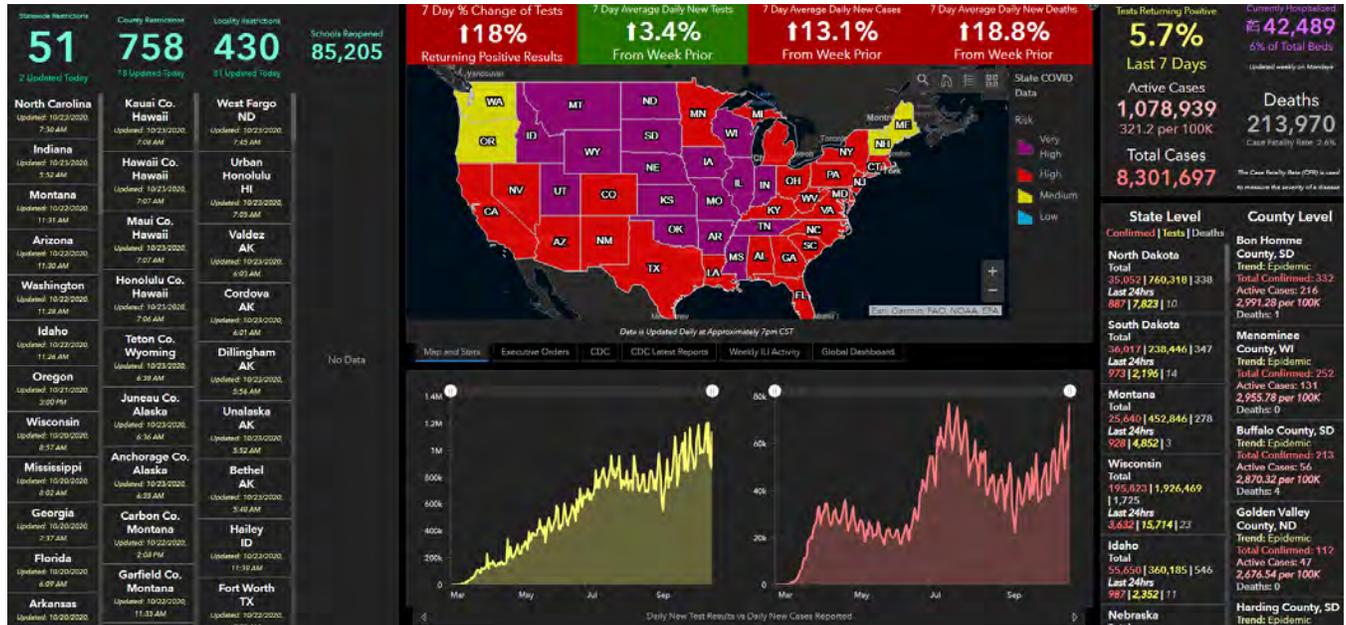
#	USA State	Total Cases	Total Deaths	Total Recovered	Active Cases	Tot Cases/ 1M pop	Deaths/ 1M pop	Total Tests	Tests/ 1M pop	Population
	USA Total	8,669,367	228,473	5,656,735	2,784,159	26,191	690	129,846,539	392,282	
1	<a href="#">Texas</a>	896,241	17,878	760,263	118,100	30,909	617	8,245,551	284,370	28,995,881
2	<a href="#">California</a>	894,607	17,265	461,472	415,870	22,641	437	17,358,770	439,327	39,512,223
3	<a href="#">Florida</a>	768,091	16,273	518,668	233,150	35,762	758	5,829,220	271,408	21,477,737
4	<a href="#">New York</a>	526,281	33,536	412,909	79,836	27,053	1,724	13,332,845	685,368	19,453,561
5	<a href="#">Illinois</a>	363,746	9,647	263,533	90,566	28,705	761	7,031,082	554,860	12,671,821
6	<a href="#">Georgia</a>	345,535	7,729	173,474	164,332	32,544	728	3,689,357	347,481	10,617,423
7	<a href="#">North Carolina</a>	252,992	4,082	218,541	30,369	24,122	389	3,718,606	354,555	10,488,084
8	<a href="#">Tennessee</a>	237,907	3,011	212,555	22,341	34,837	441	3,424,085	501,391	6,829,174
9	<a href="#">Arizona</a>	234,906	5,859	39,089	189,958	32,273	805	1,979,581	271,968	7,278,717
10	<a href="#">New Jersey</a>	228,633	16,390	178,570	33,673	25,741	1,845	4,297,612	483,846	8,882,190
11	<a href="#">Pennsylvania</a>	193,401	8,669	148,804	35,928	15,107	677	2,509,457	196,021	12,801,989
12	<a href="#">Ohio</a>	190,503	5,196	155,181	30,126	16,297	445	4,044,119	345,974	11,689,100
13	<a href="#">Wisconsin</a>	186,100	1,703	145,509	38,888	31,963	292	1,916,746	329,200	5,822,434
14	<a href="#">Louisiana</a>	178,171	5,799	165,282	7,090	38,326	1,247	2,647,427	569,487	4,648,794
15	<a href="#">Alabama</a>	177,064	2,843	74,439	99,782	36,112	580	1,342,952	273,894	4,903,185
16	<a href="#">Virginia</a>	171,284	3,539	19,321	148,424	20,067	415	2,641,286	309,446	8,535,519

4.1. USA NEWS

- [First large-scale US Covid-19 vaccine trial reaches target enrollment of 30,000 participants](#)
- [The US just topped 1,100 coronavirus deaths a day. One state is getting National Guard help, and Puerto Rico's 911 centers are shut down](#)
- [The Coronavirus Has Claimed 2.5 Million Years of Potential Life in the U.S., Study Finds](#)
- [Around 787,000 people filed for first-time jobless claims last week, lowest level since March](#)
- [Northern Idaho may send new virus cases to Seattle, Portland](#)
- [As another wave of the pandemic approaches, the nation's food banks are being hit on three fronts](#)
- [The Worst Virus Outbreaks in the U.S. Are Now in Rural Areas](#)



5. GLOBAL COMMON OPERATING PICTURE





		Total Confirmed	Total Deaths	Total Recovered			Mortality Rate			
		42,133,698	1,144,595	31,249,112			2.72%			
#	Country	Confirmed	Deaths	Recov.	Mort.	Critical	Active	Cases /1M	Active /1M	Deaths /1M
1	USA US	8,668,572 (↑6,921)	228,466 (↑85)	5,656,735	2.6%	15,906	2,783,371	26,141	8394	689
2	India IN	7,768,219 (↑8,579)	117,395 (↑59)	6,953,695	1.5%	8,944	697,129	5,612	504	85
3	Brazil BR	5,332,634	155,962	4,785,297	2.9%	8,318	391,375	25,033	1837	732
4	Russia RU	1,480,646 (↑17,340)	25,525 (↑283)	1,119,251	1.7%	2,300	335,870	10,145	2301	175
5	Spain ES	1,030,521	34,521	n/a	3.2%	1,966	1,056,000	23,321	22583	738
6	Argentina AR	1,053,650	27,957	851,854	2.7%	4,611	173,839	23,247	3835	617
7	France FR	999,043	34,210	108,599	3.4%	2,319	856,234	15,295	13109	524
8	Colombia CO	990,270	29,636	893,712	3.0%	2,115	66,922	19,398	1311	581
9	Peru PE	879,876	33,984	796,719	3.9%	1,092	49,173	26,572	1485	1,026
10	Mexico MX	874,171 (↑6,612)	87,894 (↑479)	636,391	10.1%	2,617	149,886	6,758	1159	680
11	UK GB	810,467	44,347	n/a	5.5%	711	766,120	11,919	11267	652
12	South Africa ZA	710,515	18,843	642,560	2.7%	546	49,112	11,934	825	316
13	Iran IR	556,891 (↑6,134)	31,985 (↑335)	446,685	5.7%	4,933	78,221	6,604	928	379
14	Chile CL	497,131	13,792	469,765	2.8%	759	13,574	25,937	708	720
15	Italy IT	465,726	36,968	259,456	7.9%	992	169,302	7,706	2801	612
16	Iraq IQ	445,949 (↑3,785)	10,513 (↑48)	375,188	2.4%	434	60,248	11,012	1488	260
17	Germany DE	411,522 (↑7,648)	10,062 (↑18)	310,200	2.4%	1,030	91,260	4,907	1088	120
18	Bangladesh BD	396,413 (↑1,586)	5,761 (↑14)	312,065	1.5%	n/a	78,587	2,400	476	35
19	Indonesia ID	381,910 (↑4,369)	13,077 (↑118)	305,100	3.4%	n/a	63,733	1,392	232	48
20	Philippines PH	365,799 (↑1,923)	6,915 (↑132)	312,691	1.9%	1,562	46,193	3,325	420	63
21	Turkey TR	355,528	9,584	310,027	2.7%	1,599	35,917	4,202	424	113
22	Saudi Arabia SA	344,157 (↑383)	5,264 (↑14)	330,578	1.5%	796	8,315	9,839	238	150
23	Ukraine UA	330,396 (↑7,517)	6,164 (↑121)	137,578	1.9%	177	186,654	7,569	4276	141
24	Pakistan PK	326,216 (↑736)	6,715 (↑13)	309,646	2.1%	586	9,855	1,468	44	30
25	Israel IL	308,682 (↑435)	2,328 (↑9)	289,171	0.8%	575	17,183	33,561	1868	253
26	Netherlands NL	272,401 (↑9,996)	6,964 (↑45)	n/a	2.6%	488	265,437	15,886	15480	406
27	Belgium BE	270,132 (↑16,746)	10,588 (↑49)	22,213	3.9%	573	237,331	23,277	20450	912
28	Poland PL	228,318 (↑13,632)	4,172 (↑153)	105,092	1.8%	851	119,054	6,035	3147	110
29	Czechia CZ	223,065	1,845	87,225	0.8%	735	133,995	20,818	12505	172
30	Canada CA	209,974 (↑2,375)	9,871 (↑82)	176,538	4.7%	215	23,481	5,541	620	260

6. LAW ENFORCEMENT AND CRIME REPORTING

- [Woman told investors she would help Chinese students get Canadian visas, but took \\$3m of their money](#)
- [London, ON, bus driver getting shoved after asking rider to wear a mask](#)
- [3 Prince Albert, Sask., police officers test positive for the coronavirus](#)

7. TRAVEL

- [EU removes Canadians from list of approved travelers because of COVID-19](#)
- [Japan and China to lift ban on business travel](#)
- [U.S. airlines lay out COVID-19 damage and renew calls for aid](#)

8. SOLUTION AND RESPONSE EFFORTS

- [350 large freezers, football ground-size land: Inside Pfizer's vaccine delivery system](#)



- [CDC expands definition of 'close contacts,' after study suggests Covid-19 can be passed in brief interactions](#)
- [Dogs detect coronavirus fast and reliably — why not use them everywhere?](#)
- [Volunteer in Oxford coronavirus vaccine trial dies, reportedly did not receive experimental vaccine](#)

## 9. MEDICAL INFORMATION

- [Japan researchers show masks do block coronavirus, but not perfectly](#)
- [Contact-tracing apps: There's no evidence they're helping stop COVID-19](#)
- [Women aged 50-60 at greatest risk of 'long Covid', experts suggest](#)

## 10. INTERNATIONAL DATA

- [Italy's daily coronavirus cases soar to new daily record above 15,000](#)
- [Spain is first western European country to pass 1m Covid cases](#)
- [Brazil's Bolsonaro rejects plan to buy China's Sinovac vaccine; health minister tests positive](#)
- [India has set aside \\$7 billion to vaccinate the world's second biggest population](#)
- [New rapid tests in Africa are a 'game changer' against COVID](#)
- [Growing deaths in South Korea spark fears over safety of flu vaccine program](#)
- [Moscow expands hospital bed capacity as Russia's COVID-19 death toll passes 25,000](#)

## 11. ECONOMIC IMPACT

- [Why Canada's job market is recovering from COVID-19 faster than the United States](#)
- [Canadian economic recovery to be weaker as COVID-19 cases resurge, Reuters poll shows](#)
- [China and U.S. economies diverge over coronavirus response](#)
- [Investors brace for barrage of COVID vaccine data to roil market](#)
- [Why Hiring During Covid Is Different Than in Previous Downturns](#)
- [How COVID-19 has hit offshore freelancers - and how they can bounce back](#)

## 12. CYBER NEWS

- [Russia continues to spread coronavirus conspiracies, intel bulletin warns](#)
- [Dr Reddy's: Covid vaccine-maker suffers cyber-attack](#)
- ['People don't want to talk about it,' but reports of children being exploited online have spiked substantially](#)

End Report

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*Please submit feedback to:*

**Scott McGregor, CD, BCom**

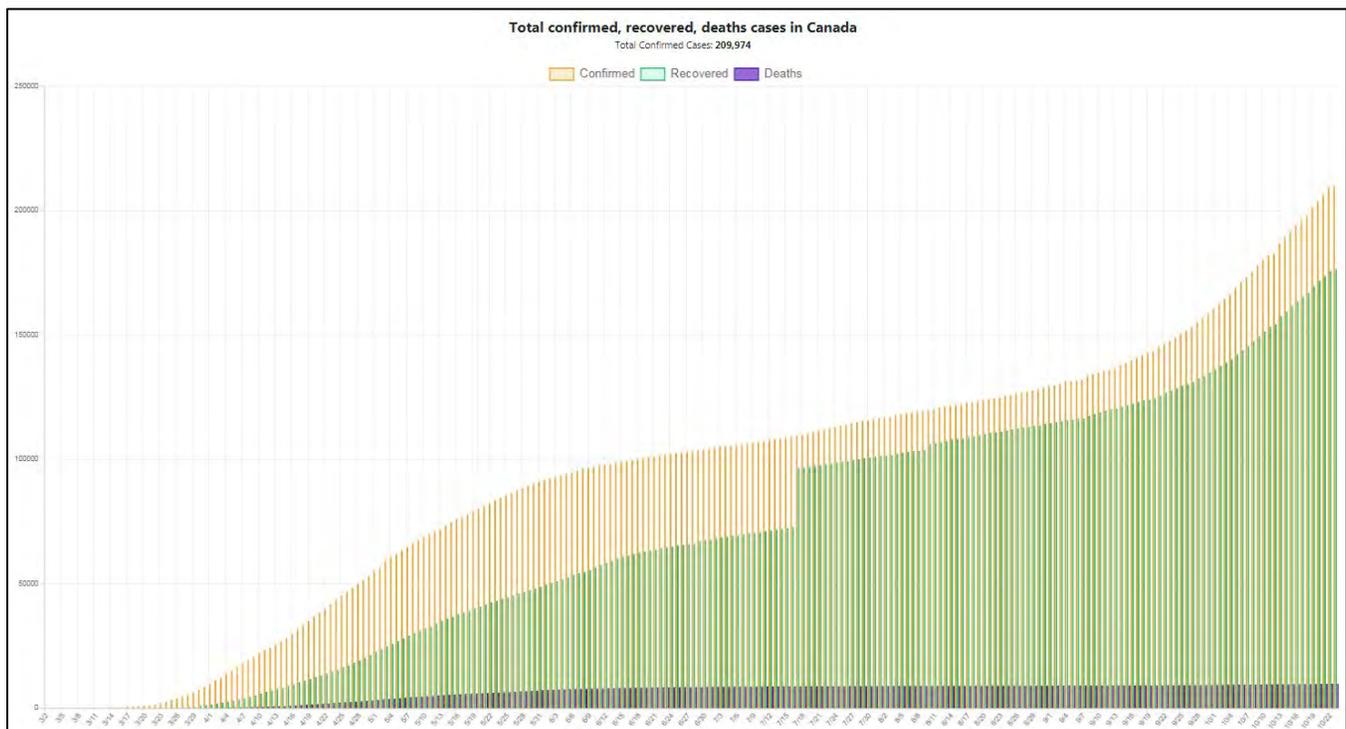
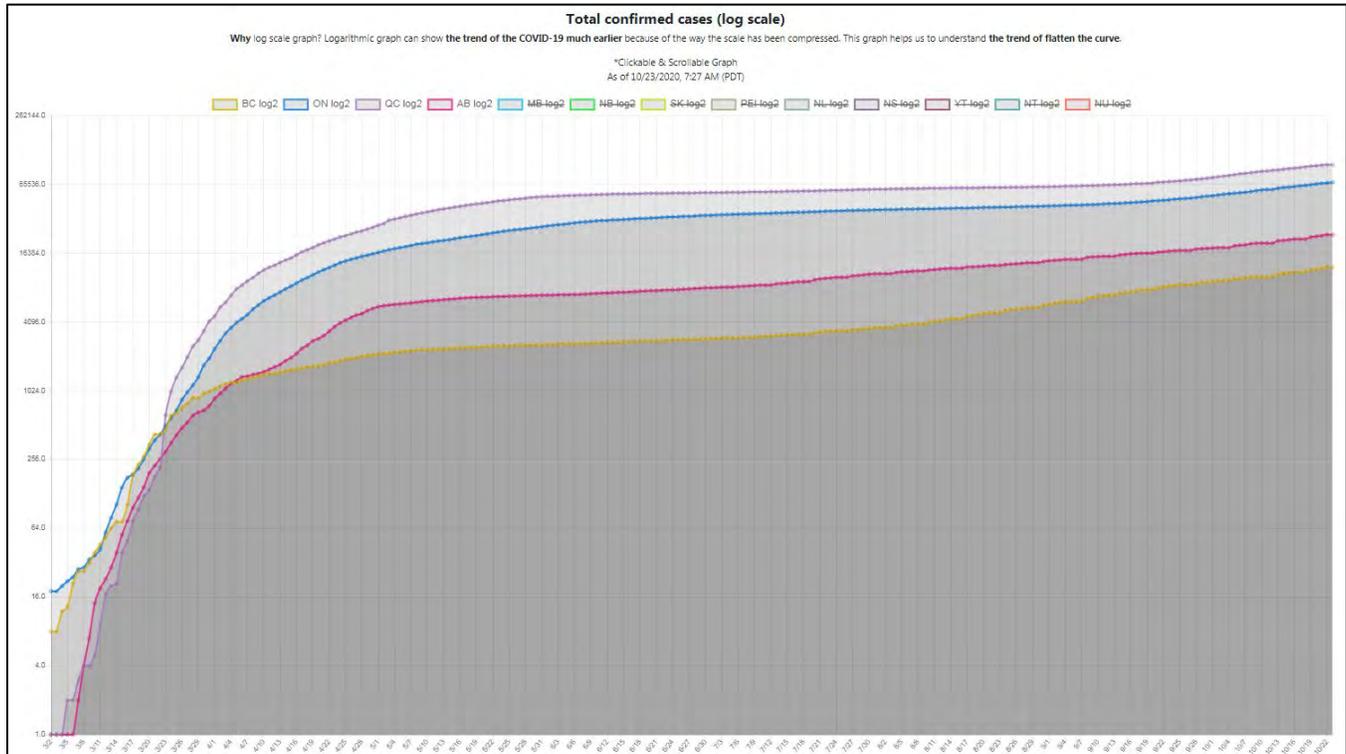
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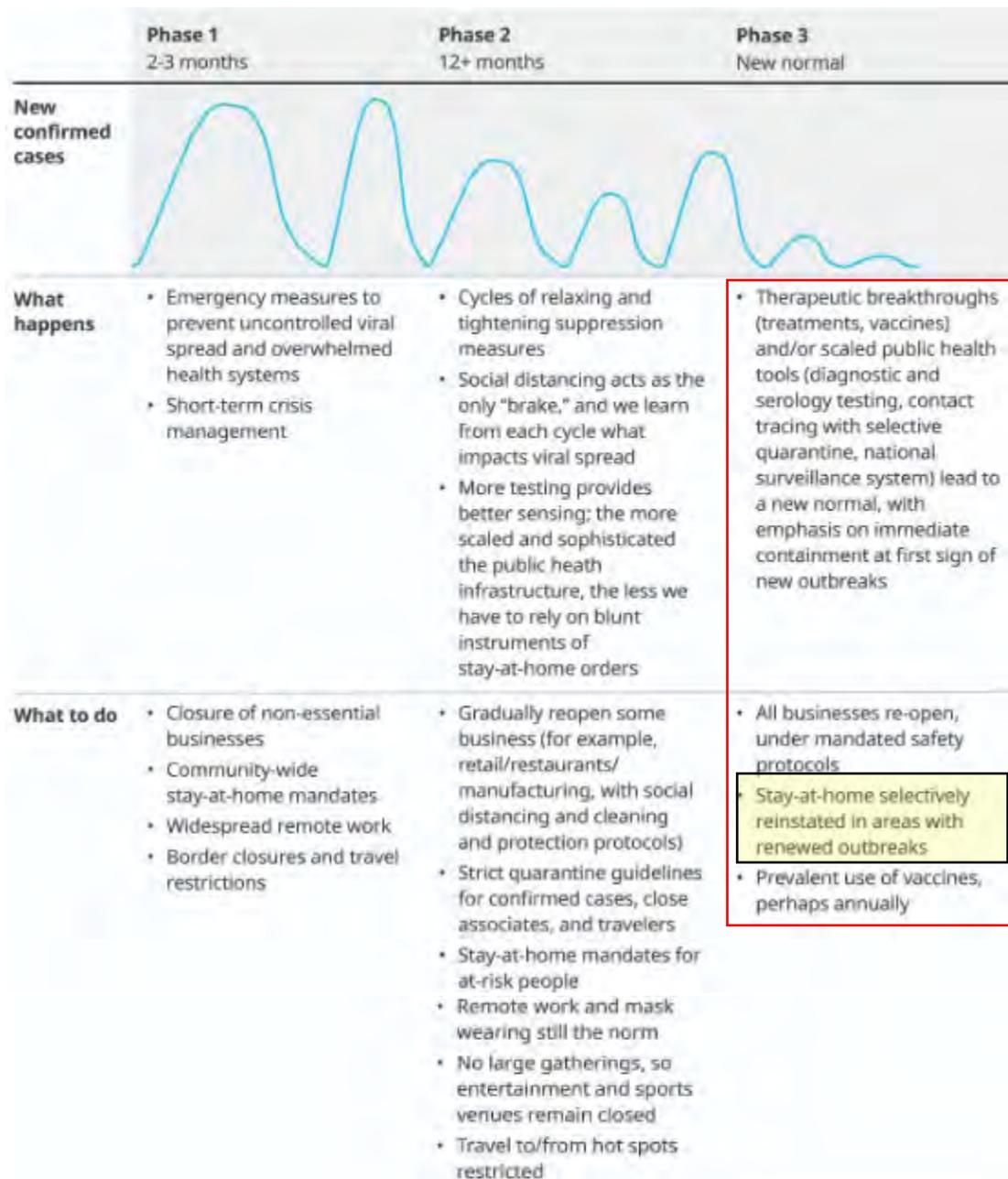
### 13. APPENDIX A – Canadian Tracking Information



Source: <https://www.covid-19canada.com/graphs>



14. APPENDIX B – Phase 1 to 3: Progression on Managing COVID-19 Pandemic



Source: <https://www.oliverwyman.com/our-expertise/insights/2020/apr/getting-back-to-work-responsibly.html>



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