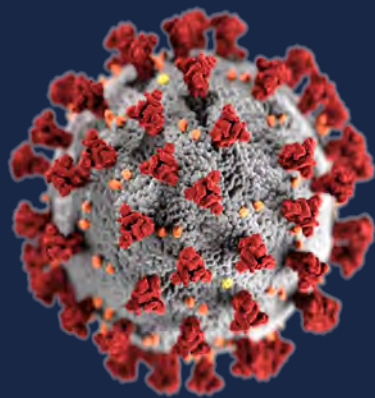




**Paladin
Risk Solutions**



COVID-19

INTELLIGENCE REPORT

Prepared for:

Paladin Security Group
Emergency Operations Centre

04 August 2020



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2. INSIGHT and SITUATIONAL AWARENESS

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The WHO warned this week that it is likely going to be a “lengthy” fight against the pandemic, with its current global risk level at “very high”. The WHO stated that although vaccines may be an effective way to prevent people from infection, for now, there is no “silver bullet”. Moreover, the WHO is concerned of crisis fatigue and that with time, people will have difficulty continuing to follow the measures, which are our new normal until further notice. The WHO is also intensifying its studies of the origins of the virus, which will hopefully provide greater understanding of the virus and help in finding an effective solution.

Although infection rates are continuing to increase in many countries, it is reported that people admitted to hospital ICUs are less likely to die it is noted that the rate decreased by a third less than at the beginning of the pandemic. A better understanding of the pathophysiology of the disease has allowed us to find better tools to improve patient care and outcome, including steroid and anti-viral medications. Additionally, it is believed that implementing these measures has reduced the exposure to the amount of viral particles, likely reducing the severity of the disease.

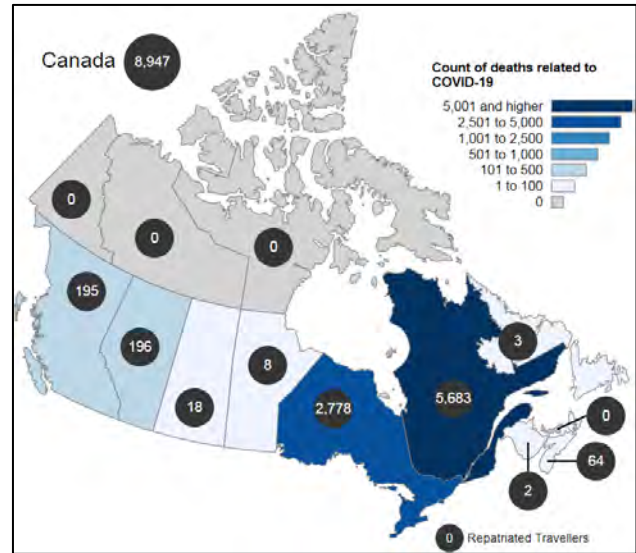
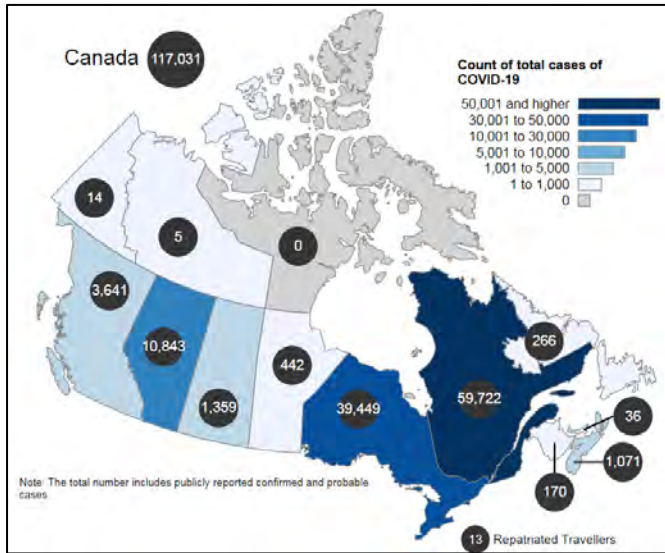
The virus was first believed to be respiratory, but studies have found that tissues for the virus could be located across the body, and damage can be made to other organs including the heart, kidneys, and brain. Drugs which have been originally manufactured for other disorders have been found to be somewhat effective for COVID-19, and the patient’s overall safety does not need to be revisited. However, the interaction between the drug and the effects of the virus must be studied. An example may be hydroxychloroquine, which was first thought to be an appropriate treatment but has instead been found to be unsafe due to its interaction with the heart. Successful COVID-19 treatments such as Remdesevir, an anti-viral which is administered intravenously and was manufactured by Gilead Sciences for Ebola and has been approved in Canada and the USA, has been found to be effective in extremely severe cases. Researchers in Israel have recently repurposed an erectile dysfunction drug to assist with severe COVID-19 infections, with its intravenous injection version currently being clinically tested in five hospitals in the USA. The drug, Aviptadil, is a synthetic form of a vasoactive intestinal peptide (VIP), a chain of amino acids which are found in the body naturally and protect the lungs. The drug is also a potent anti-inflammatory and has reportedly assisted patients with improvement in blood oxygenation and reduction in inflammatory markers.

Improved treatments for those afflicted with COVID-19 will reduce the negative consequences of the virus until a vaccine is available. Vaccine efforts are underway, with a long road ahead as vaccine development is sometimes measured in decades, not years. Russia has released information suggesting that it will begin mass production of their COVID-19 vaccine, with several million doses produced per month; other than being sold for domestic use it is unclear which countries will buy the vaccine, which was produced in lightning speed without any non-Russian peer-review. As occurred during the polio pandemic, an unsafe vaccine only fuels distrust with medical authorities and reduces the chances of individuals agreeing to become vaccinated. As such, a vaccine distributed to the public



must be safe and sufficiently effective, otherwise it may swing the pendulum even further and cause the public to distrust health experts, the results of which could be catastrophic.

3. COVID-19 IN CANADA

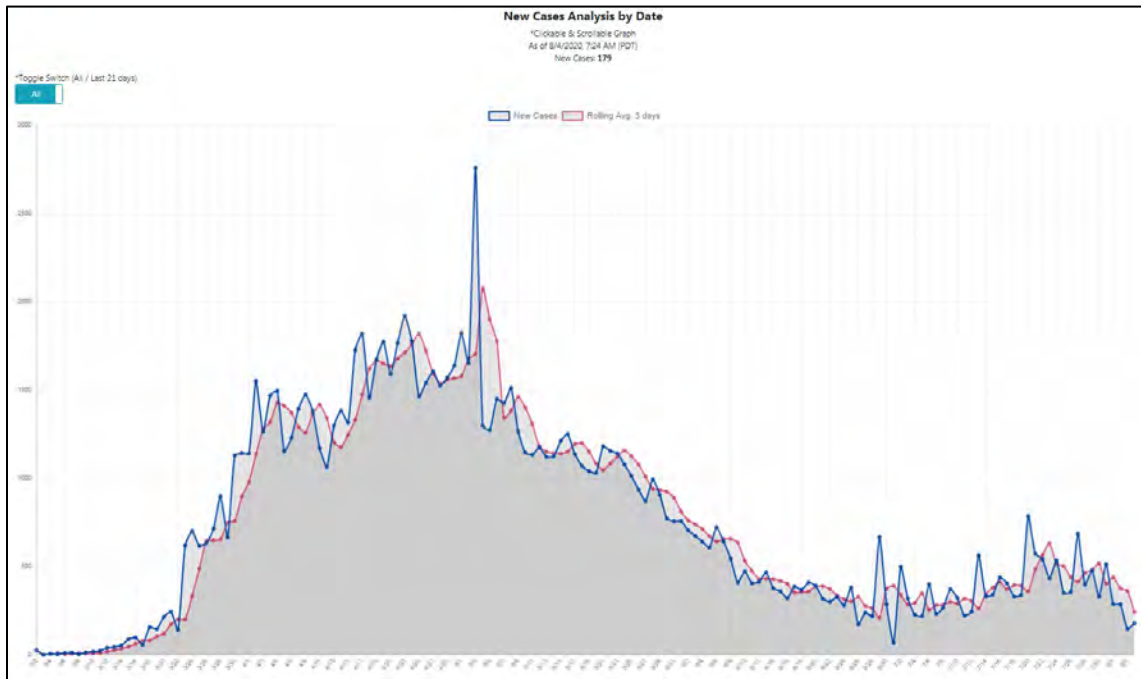


Source: <https://www.canada.ca/en/public-health/services/diseases/2019-novel-coronavirus-infection.html>

Prov.	Total Confirmed	Total Deaths	Total Recovered	Total Active
Total	117,210 (↑179)	8,951 (↑4)	101,839 (↑242)	6,420 (-67)
BC	3,641	195	3,168	278
ON	39,628 (↑179)	2,782 (↑4)	35,601 (↑242)	1,245 (-67)
QC	59,722	5,683	50,886	3,153
AB	10,843	196	9,261	1,386
MB	442	8	337	97
NB	170	2	168	0
SK	1,359	18	1,089	252
PEI	36	0	36	0
NL	266	3	259	4
NS	1,071	64	1,005	2
YT	14	0	11	3
NT	5	0	5	0
NU	0	0	0	0
	13	0	13	0
Rate of change	↑ 0.2%	↑ 0.0%	↑ 0.2%	-1.0%



Prov.	Total Test	Total Waiting	Total Hosp	Total ICU
Total	4,446,720 (+42,190)	-	-	-
BC	265,004	-	5	2
ON	2,277,887 (+42190)	9285 (-8554)	78 (+6)	28 (+2)
QC	856,315	-	172	18
AB	685,297	-	86	17
MB	88,621	-	6	5
NB	53,243	-	0	0
SK	103,591	-	15	6
PEI	19,160	238	-	-
NL	25,452	-	0	0
NS	65,483	-	0	0
YT	1,612	36	-	-
NT	3,304	77	0	0
NU	1,751	236	0	0
Rate of change	↑ 1.0%	-	-	-



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

- Although Quebec has been the most affected province in Canada, it has now allowed public gathering of up to 250 people. In comparison, Ontario's maximum is 100 people outdoors and 50 indoors. Monitoring such discrepancies between provinces will allow us to better understand how the virus is transmitted and whether allowing larger gatherings will increase the transmission of the virus.
- Blood tests conducted in Ontario suggest that about 1% of the population there has been exposed to the virus. This comes from approximately 7,000 blood tests conducted in June which found that 79 had COVID-19 antibodies, suggesting that up to 160,000 people in Ontario may have been exposed to the virus. In Toronto and eastern GTA, this number goes up to 1.5%, while only about 0.3% of individuals in Eastern Ontario had antibodies present.

3.1. CANADA NEWS

- [COVID-19 conspiracy theories creating a 'public health crisis' in Canada, experts say](#)
- [Canadian privacy watchdogs support COVID-19 exposure app](#)
- [COVID-19 has taught Canada 'some hard lessons,' says top doctor](#)
- [7 more potential COVID-19 cases identified on Vancouver flights in past 2 weeks](#)
- [Blood tests indicate one per cent of Ontario's population had COVID-19](#)
- [When a COVID-19 vaccine arrives, which Canadians will get it first?](#)
- [Online petition calls to keep attendance at B.C. schools voluntary come September](#)
- [Public gatherings of up to 250 people now allowed in Quebec](#)

4. COVID-19 IN USA





Coronavirus Cases

4,865,523

Deaths:

159,016

Recovered:

2,448,515

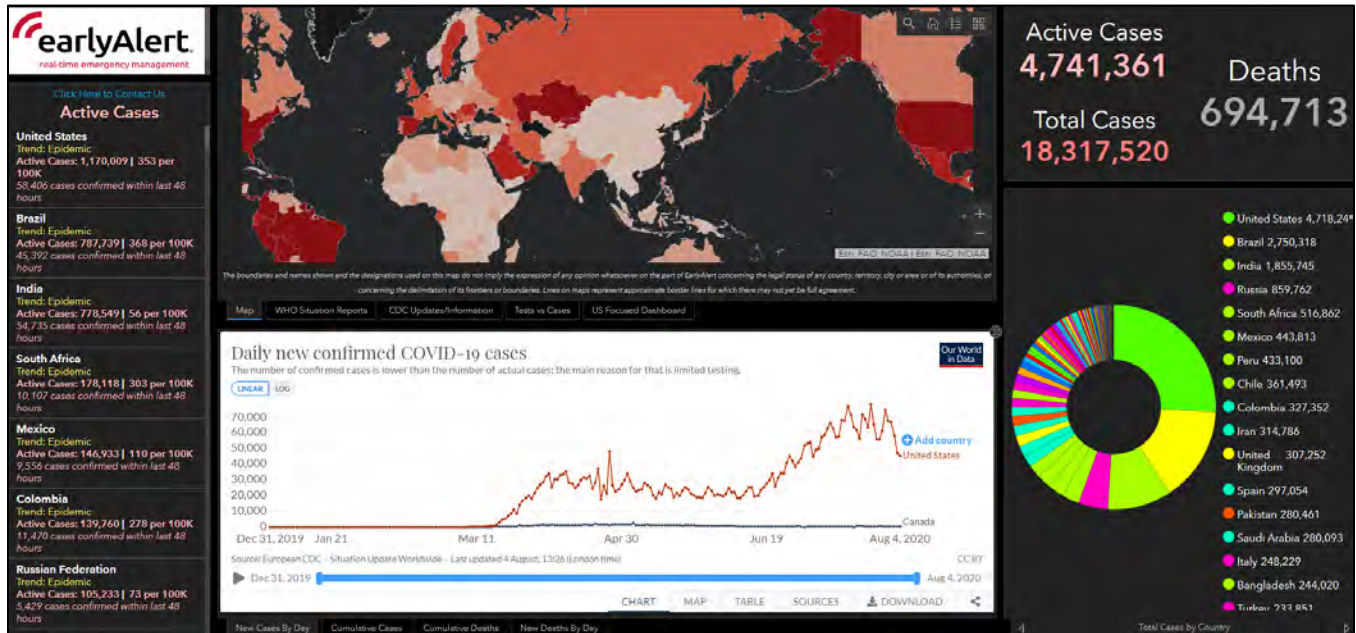
USA State	Total Cases	New Cases	Total Deaths	New Deaths	Active Cases	Tot Cases/ 1M pop	Deaths/ 1M pop	Total Tests	Tests/ 1M pop
USA Total	4,865,523	+3,349	159,016	+88	2,257,992	14,699	480	60,976,349	184,217
California	522,030		9,507	+1	322,753	13,212	241	8,184,696	207,143
Florida	491,884		7,157		437,282	22,902	333	3,758,496	174,995
Texas	461,266		7,455		166,389	15,908	257	4,143,342	142,894
New York	445,841		32,791		92,398	22,918	1,686	6,082,774	312,682
Georgia	195,435		3,842		158,403	18,407	362	1,875,818	176,674
New Jersey	188,466		15,921		33,041	21,218	1,792	2,164,580	243,699
Illinois	184,522		7,723		33,805	14,562	609	2,806,797	221,499
Arizona	179,497		3,779		152,654	24,661	519	1,196,335	164,361
North Carolina	126,532		2,013		19,426	12,064	192	1,837,410	175,190
Louisiana	120,846		4,027		42,573	25,995	866	1,393,910	299,843
Pennsylvania	119,305	+368	7,301	+1	25,247	9,319	570	1,254,194	97,969
Massachusetts	118,657		8,648		12,414	17,215	1,255	1,316,305	190,976
Tennessee	110,636		1,092		38,666	16,200	160	1,573,222	230,368

- According to the California Governor, the state’s new COVID-19 cases and hospitalizations are beginning to trend downward. The seven-day average of infections has dropped by 21% and hospitalizations are down 10%. The Governor has reminded residents that COVID-19 is not going away and that efforts should be maintained throughout the summer.
- Tropical Storm Isaias has contributed to the closure of several Florida COVID-19 testing facilities since July 31, reflecting a significant drop in new case numbers. Approximately 20,000 less tests are being conducted, and over the weekend, the positivity rate for those testing for COVID-19 dropped below 10% since the end of June. With hurricane season running until November, officials are preparing for more shelters than usual to facilitate social distancing.

4.1. USA NEWS

- [In much of the U.S., progress made in COVID-19 fight has turned into progress lost](#)
- [N.J. sees spike in COVID-19 cases as residents slack off on masks and social distancing](#)
- [Fauci amplifies Birx’s warning about a ‘new phase’ of coronavirus spread in U.S.](#)
- [MLB announces 29 positive COVID-19 tests from past week](#)
- [California officials report first COVID-19 death of a child as fatalities surpass 9,000](#)
- [Big drop in Florida COVID-19 cases Monday may reflect tropical storm, but two-week trend is favorable](#)
- [Trump says U.S. may have coronavirus vaccine ‘far in advance’ of end of the year](#)
- [Democrats and Trump officials leave ‘productive’ meeting, but still don’t have a coronavirus relief deal](#)
- [Teachers in car parades protest reopening U.S. schools while coronavirus lurks](#)

5. GLOBAL COMMON OPERATING PICTURE



		Total Confirmed	Total Deaths	Total Recovered	Mortality Rate					
		18,490,356	698,522	11,717,833	3.78%					
#	Country	Confirmed	Deaths	Recov.	Mort.	Critical	Active	Cases /1M	Active /1M	Deaths /1M
1	USA	4,864,360 (+2,186)	159,007 (+79)	2,448,449	3.3%	18,725	2,256,904	14,688	n/a	480
2	Brazil	2,751,665	94,702	1,912,319	3.4%	8,318	744,644	12,937	n/a	445
3	India	1,865,947 (+10,616)	39,081 (+110)	1,237,885	2.1%	8,944	588,981	1,351	n/a	28
4	Russia	861,423 (+5,159)	14,351 (+144)	661,471	1.7%	2,300	185,601	5,903	n/a	98
5	South Africa	516,862 (+4,767)	8,539 (+266)	358,037	1.7%	539	150,286	8,705	n/a	144
6	Mexico	443,813	48,012	295,677	10.8%	3,883	100,124	3,439	n/a	372
7	Peru	433,100	19,811	298,091	4.6%	1,419	115,198	13,119	n/a	600
8	Chile	361,493	9,707	333,976	2.7%	235	17,810	18,895	n/a	507
9	Spain	344,134	28,472	n/a	8.3%	617	315,662	7,360	n/a	609
10	Colombia	327,850	11,017	173,727	3.4%	1,493	143,106	6,437	n/a	216
11	Iran	314,786 (+2,751)	17,617 (+212)	272,535	5.6%	4,132	24,634	3,743	n/a	210
12	UK	305,623	46,210	n/a	15.1%	86	259,413	4,500	n/a	680
13	Saudi Arabia	281,456 (+1,363)	2,984 (+35)	243,713	1.1%	1,983	34,759	8,074	n/a	86
14	Pakistan	280,461 (+432)	5,999 (+15)	249,397	2.1%	1,013	25,065	1,268	n/a	27
15	Italy	248,229 (+1,918)	35,166 (+50)	200,589	14.2%	41	12,474	4,106	n/a	582
16	Bangladesh	244,020 (+1,918)	3,234 (+50)	139,860	1.3%	n/a	100,926	1,480	n/a	20
17	Turkey	233,851 (+2,836)	5,747 (+83)	217,497	2.5%	580	10,607	2,770	n/a	68
18	Germany	212,331 (+111)	9,232	194,700	4.3%	270	8,399	2,534	n/a	110
19	Argentina	206,743	3,863 (+50)	94,129	1.9%	1,150	108,751	4,571	n/a	85
20	France	191,295	30,294	81,500	15.8%	371	79,501	2,930	n/a	464
21	Iraq	134,722 (+2,836)	5,017 (+83)	96,103	3.7%	511	33,602	3,343	n/a	124
22	Canada	117,210 (+179)	8,951 (+4)	101,839	7.6%	2,253	6,487	3,093	n/a	237



6. LAW ENFORCEMENT AND CRIME REPORTING

- [Researchers investigate effect of COVID-19 on UK organized crime](#)
- [U.S. firearms purchases skyrocket during pandemic, according to FBI records](#)
- [‘Not handling the pandemic well’: Man fires at officers with AK-47 after refusing to wear a mask, police say](#)
- [Seattle City Council members propose police layoffs but say they can’t defund by 50% right away](#)

7. TRAVEL

- [In A Twist On Loyalty Programs, Emirates Is Promising Travelers A Free Funeral If Infected With Covid](#)
- [Canadians will soon be able to visit Hawaii without having to quarantine](#)
- [Survey: Canadians and Americans less willing to travel before COVID-19 vaccine](#)
- [Japan Airlines Reports A \\$885 Million Loss Due To COVID-19](#)

8. SOLUTION AND RESPONSE EFFORTS

- [Relief, NeuroRx say emergency treatment with RLF-100 helps critically ill Covid patients](#)
- [Expect 'lengthy' coronavirus pandemic, warns WHO](#)
- [The COVID-19 pandemic is expected to lower the birth rate. Here's why that matters](#)
- [Next big COVID-19 treatment may be manufactured antibodies](#)

9. MEDICAL INFORMATION

- [WHO warns there may never be a COVID-19 'silver bullet'](#)
- [India, Israel Conducting Trials For Rapid Testing That Detects COVID In 30 Seconds](#)
- [Ancient part of immune system may underpin severe COVID](#)
- [Russia aims to produce 'millions' of vaccine doses by 2021](#)

10. INTERNATIONAL DATA

- [Australia's Victoria declares 'state of disaster,' locking down millions in Melbourne as virus cases soar](#)
- [Coronavirus cases worldwide jump another million in 4 days, surpass 18M in total](#)
- [Thousands protest in Berlin against coronavirus restrictions](#)
- [In Italy, doctors beat back the coronavirus and are now preparing for a second wave](#)
- [Three Gambian ministers test positive for COVID-19](#)
- [U.K. puts lockdown-easing on hold as virus spread accelerates](#)

11. ECONOMIC IMPACT

- [Sickened by COVID-19, low-wage workers lose jobs. Others are denied paid leave](#)
- [Economies of France, Italy and Spain take major hits from coronavirus](#)
- [HSBC accelerates 35,000 job cuts amid Covid-19 profit plunge](#)
- [Equifax Introduces New COVID-19 Response RECOVERY Solution Suite](#)

12. CYBER NEWS

- [China-backed hackers 'targeted COVID-19 vaccine firm Moderna'](#)
- [Canadians can now download new COVID-19 exposure-alert smartphone app](#)
- [More corporate meetings to go virtual after success during pandemic](#)



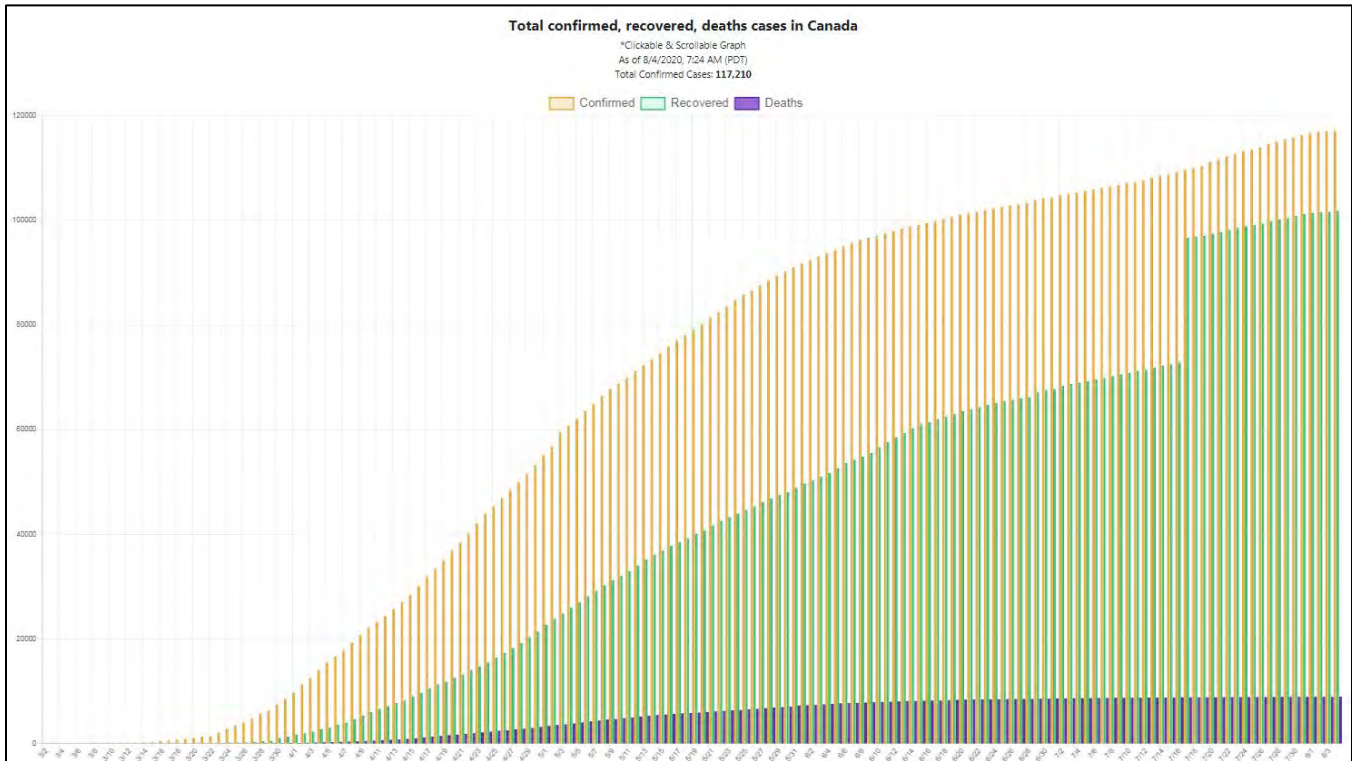
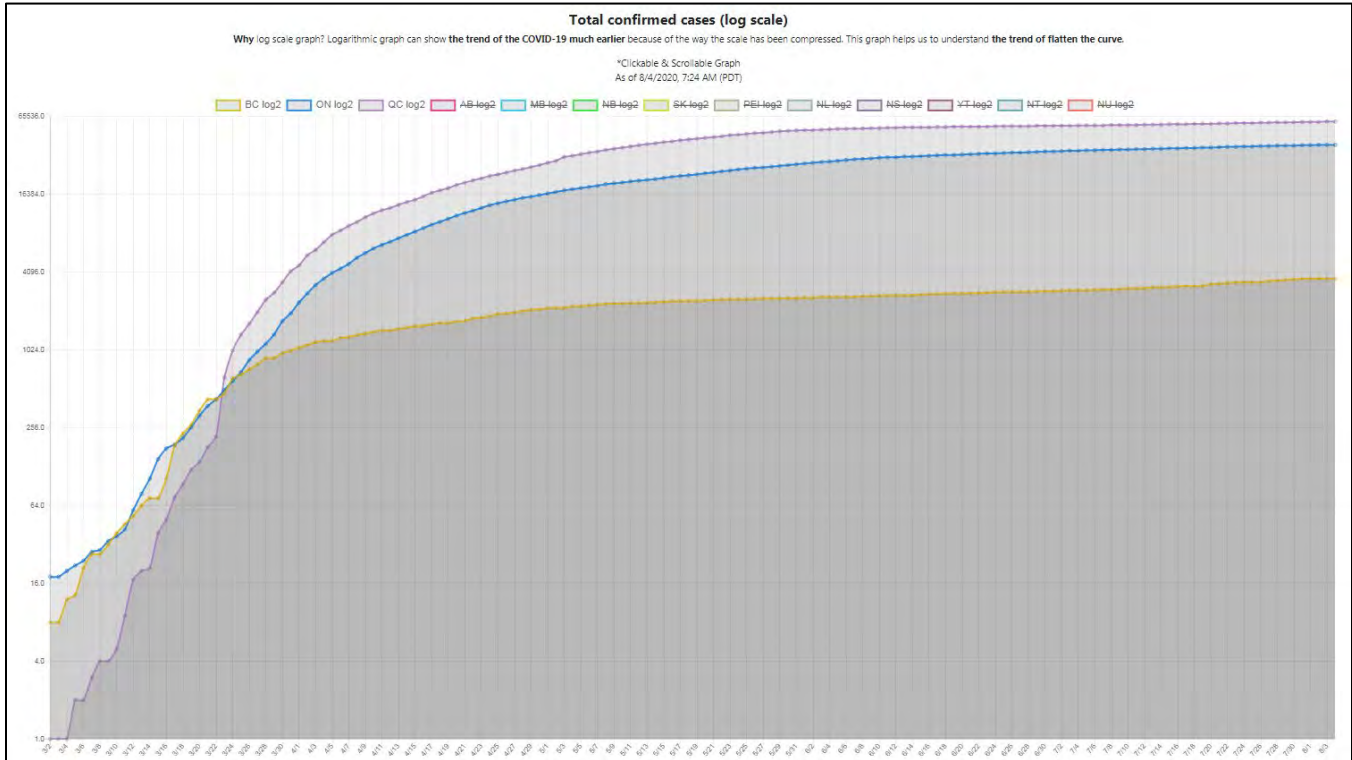
End Report

Please submit feedback to:

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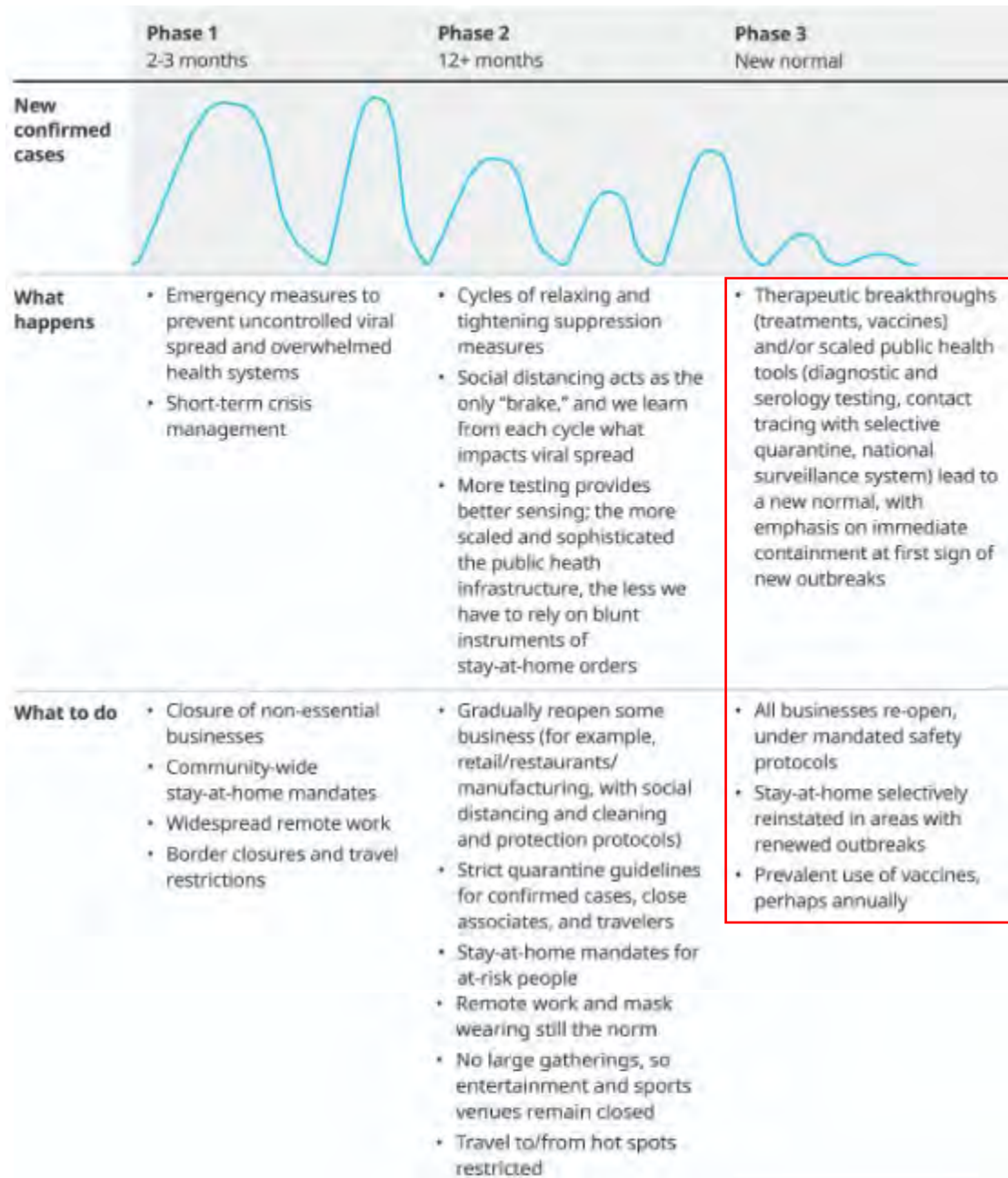
Special thanks to MG, Senior OSINT Analyst and Investigator

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>