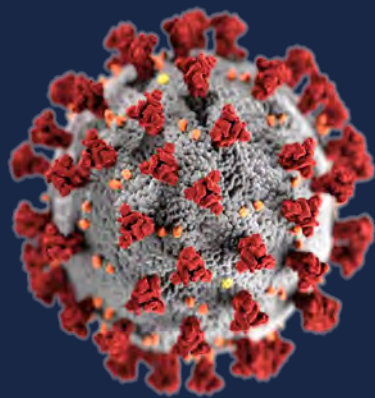




**Paladin
Risk Solutions**



COVID-19

INTELLIGENCE REPORT

Prepared for:

Paladin Security Group
Emergency Operations Centre

07 July 2020



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2. INSIGHT and SITUATIONAL AWARENESS

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We are getting more and more familiar with COVID-19 as its transmission and effects are being studied by numerous groups of scientists and new information is coming to light almost daily. This week, approximately 239 international scientists signed a letter posted in the journal Clinical Infectious Diseases which is urging the WHO to change its COVID-19 recommendations to reflect the virus's ability to be airborne. WHO recommendations advise that COVID-19 is spread via large droplets which fall to the ground and do not stay suspended in the air. However, research is finding that in the right indoor conditions the virus could stay aloft in the air and this might mean that indoor conditions may be riskier than initially thought. These suspended air particles could travel tens of meters suspended at about 1.5 meters above the floor.

The scientists recommend that sufficient ventilation is provided in public buildings that have reduced air recirculation with airborne infection controls such as local exhaust, germicidal ultraviolet rays, or high efficiency air filtration. Also, avoiding overcrowding in public buildings and on public transport will assist in the reduction of the spread. Mounting evidence suggests that large indoor gatherings can become 'superspreader' events. Better understanding of the virus' possible transmission is important, especially as more indoor arenas are opening to larger crowds in many places in North America.

In response, the WHO advised they are reviewing the information with their technical experts. Criticisms have been growing of the WHO, particularly in regard to the previous assertion made in June saying that asymptomatic transmission is rare. WHO soon retracted the comment, suggesting that there is not enough research on the matter to make a conclusive decision. For many months, the WHO did not comment on mask-wearing and its benefits.

The WHO is viewing COVID-19 as influenza, whereas research is finding many differences between influenza and this coronavirus. Influenza typically causes symptoms within one to four days and COVID-19 symptoms appear as early as two days or late as 14 days after infection. COVID-19 has both a longer incubation period and a higher transmissibility factor than influenza. It causes blood clots, and in severe cases, causes lasting damage to the lungs, kidneys, heart and brain - factors not found in influenza. Various strains of COVID-19 have been found, with a mutation which occurred sometime in April. This is evident in the USA cases that came from the European strain rather than the original strain. This strain appears to be the dominant strain, possibly more infectious than the original, however, it may also be less lethal.

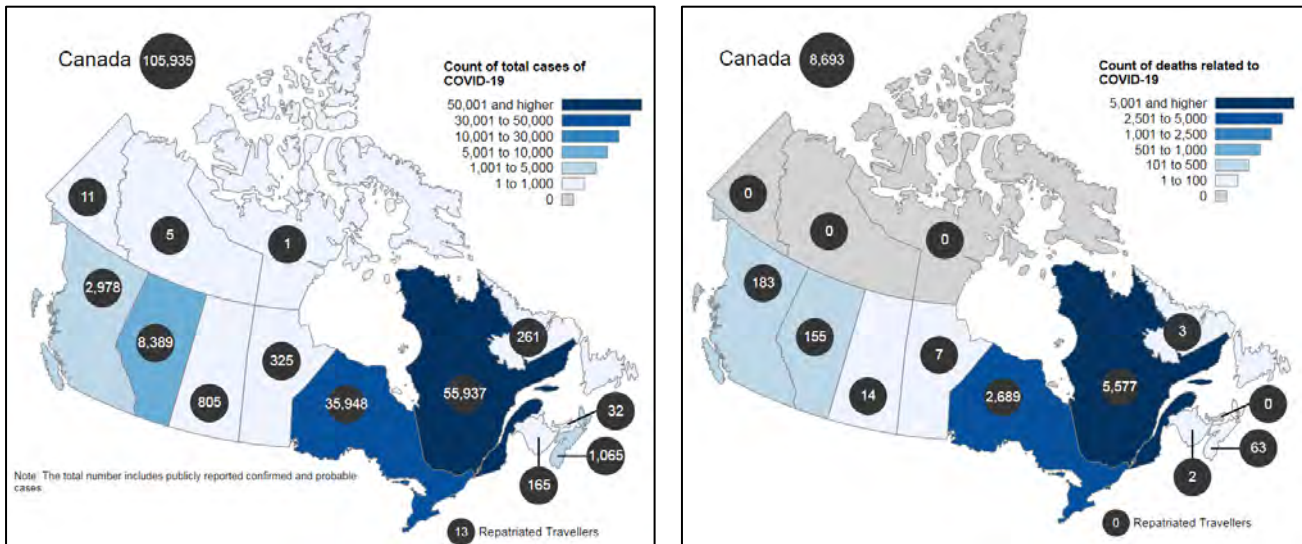
Reports coming from India suggest that an Indian government agency is ready to test and approve their own COVID-19 vaccine. A date of August 15, 2020 was released for the vaccine, which the Indian Academy of Science called "unreasonable and without precedent". Critics suggest that the timeline does not allow for proper clinical trials, including testing on humans. Meanwhile, Brazilian health officials approved clinical trials of a COVID-19 vaccine being developed by a Chinese company. This will include 9,000 volunteers in 12 different centers. Both Brazil and India are experiencing a difficult time dealing with the pandemic, with Brazil being the second most affected country after the US, with 1.5 million cases and over 53,000 dead. India has just surpassed Russia as the third most hit country where test areas are unable to keep up. As the world's most populous country, there are testing labs that service 30 million people. India remains a concern as the pandemic rapidly spreads through its

population. Similar to what is being observed in Brazil, the poverty areas in India have poor sanitation and hygiene which enhances the spread of the virus. With China and India in conflict along their shared border, tensions are high in the region.

A serious concern regarding the impact of the pandemic on the economic functionality in the USA, is that there will be additional unrest as the unemployed require medical care. Without having medical insurance, due to the loss of employment, and without receiving adequate financial assistance it is assessed that citizens will become desperate to care for their families. This desperation will increase criminal activity as those citizens seek a means to provide for their families. As witnessed recently, riots and looting can occur spontaneously and are unrelated to the event that may spark the unrest. The tension facing these people is slowly increasing and can be evidenced by protests and an alternative view of the pandemic being spread across social media. A disbelief that the virus is as dangerous as the government is professing. Unfortunately, this mind set is being adopted by a variety of groups and individuals that also have anti-government sentiment which further undermines efforts to control the virus.


It is assessed that there will be an increase in the unrest in the USA and will be backed by groups that already seek to undermine USA government authority. Disinformation campaigns by domestic groups which are backed or led by foreign state actors remains an issue for Homeland Security and all the defence and security agencies in the USA. The USA is fractured in that the information available cannot be vetted which leaves the interpretation of the information to the citizen, whose perspective reflects their own personal beliefs and needs. The narratives are so diverse that as the pandemic gains greater impact on the lives of those most susceptible a level of fear takes hold and alters how individuals react to their situations. These reactions correlate to the needs of the individual and are affected more when they can relate to others in similar situations. The group mentality forms and takes shape which can lead to uprisings, civil unrest, riots, and looting. These are the main concerns that many areas in the USA and other countries are facing.

3. COVID-19 IN CANADA



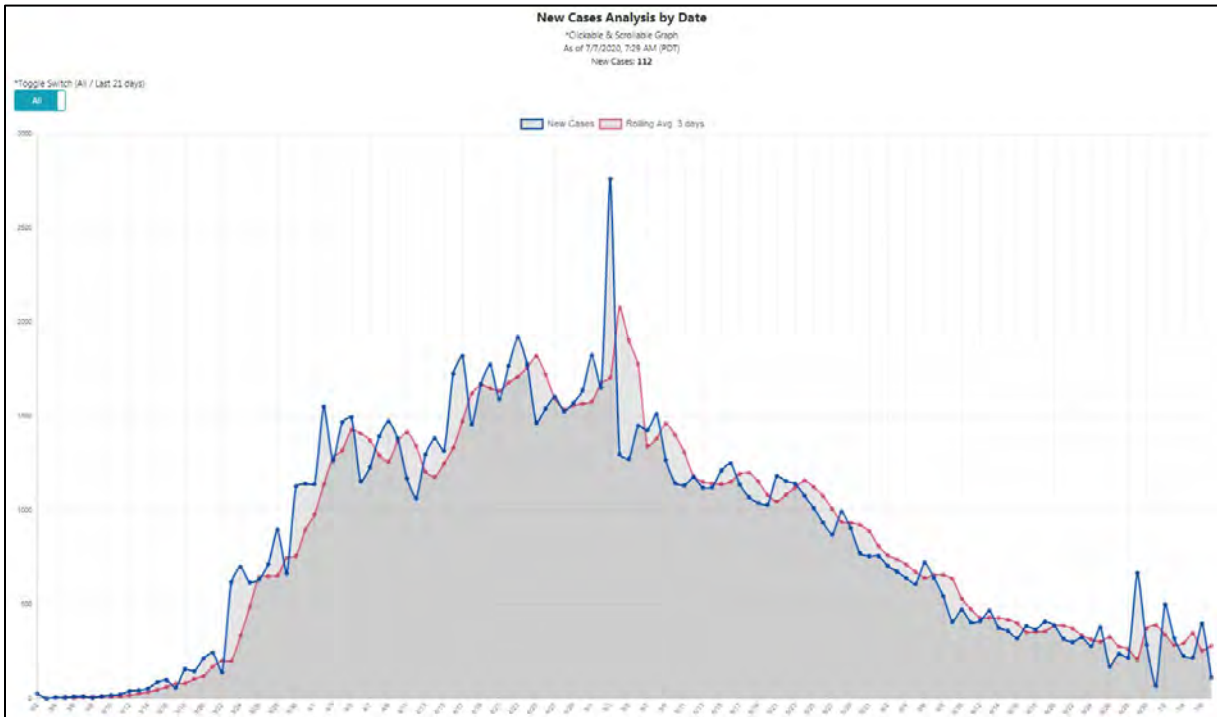
Source: <https://www.canada.ca/en/public-health/services/diseases/2019-novel-coronavirus-infection.html>



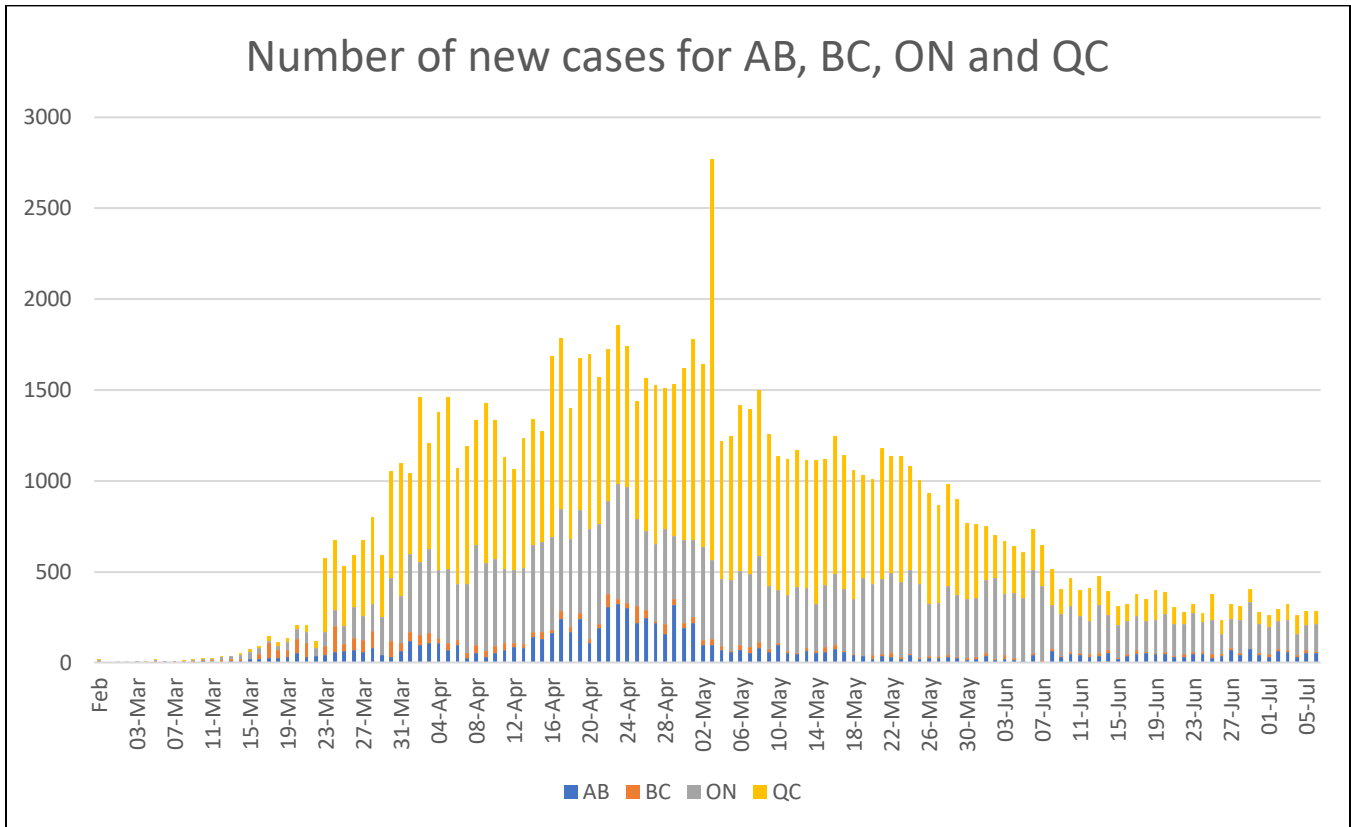
Prov.	Total Confirmed	Total Deaths	Total Recovered	Total Active
Total	106,046 (↑112)	8,695 (↑2)	69,747 (↑177)	27,604 (-67)
BC	2,978	183	2,629	166
ON	36,060 (↑112)	2,691 (↑2)	31,603 (↑177)	1,766 (-67)
QC	55,937	5,577	25,378	24,982
AB	8,389	155	7,627	607
MB	325	7	304	14
NB	165	2	162	1
SK	805	14	732	59
PEI	32	0	27	5
NL	261	3	258	0
NS	1,065	63	998	4
YT	11	0	11	0
NT	5	0	5	0
NU	0	0	0	0
	13	0	13	0
Rate of change	↑ 0.1%	↑ 0.0%	↑ 0.3%	-0.2%



Prov.	Total Test	Total Waiting	Total Hosp	Total ICU
Total	3,155,196 (+15,112)	-	-	-
BC	204,396	-	16	4
ON	1,559,529 (+15112)	12625 (+3694)	131 (+13)	34 (-2)
QC	628,502	-	377	25
AB	487,915	-	57	6
MB	66,717	-	0	0
NB	44,562	-	0	0
SK	69,890	-	4	1
PEI	13,048	68	-	-
NL	18,920	-	0	0
NS	56,178	-	2	0
YT	1,306	8	-	-
NT	2,766	67	0	0
NU	1,467	157	0	0
Rate of change	↑ 0.5%	-	-	-



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



	AB	BC	NS	ON	PE	QC	SK	Total
03-Jul	57	13	0	165	0	89	1	325
04-Jul	29	9	0	121	3	102	2	266
05-Jul	52	15	0	138	2	79	4	290
06-Jul	49	7	1	154	0	74	3	288

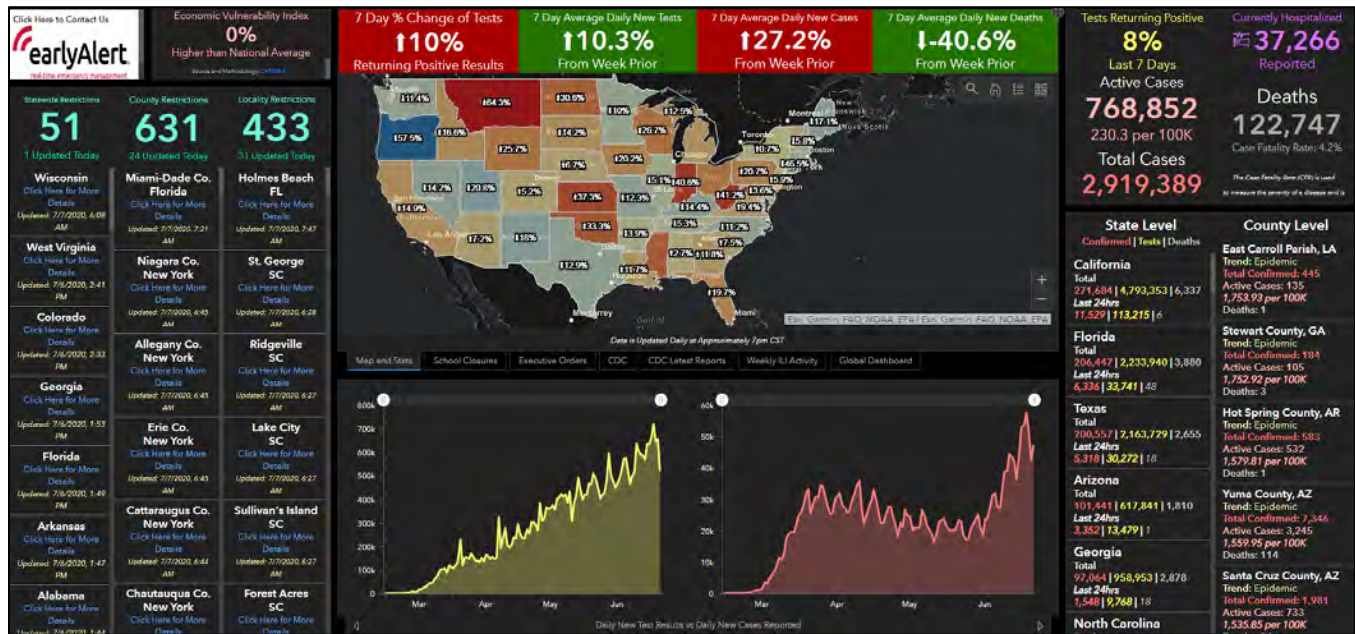
- For the first time in many months ON reports no new COVID-19 deaths. Additionally, two Toronto hospitals do not have any COVID-19 patients in their ICU. At its peak, the province saw dozens of deaths per day, but are now encouraged by the numbers yet advise of a small increase in daily cases.
- A student from the USA flying to Halifax has been the cause of three infections in PEI, which has not seen a new daily case since April. The student ignored quarantine requirements and the connection was found later through one of the cases to whom he transmitted the virus. Other individuals failing to follow the quarantine rule have been fined in Ontario, including two Americans.
- BC reported six new deaths over the weekend; however, one was a previous death just now confirmed to be due to COVID-19. All the deaths involve long-term care home residents. Currently, BC has only 166 active cases with 16 people in the hospital and 2 in ICU. Health officials advise that most cases come from people returning from the USA or those who have come into contact with them.



3.1. CANADA NEWS

- [To keep coronavirus out, Canada's smallest province kept the rest of the country away. Now outsiders are returning](#)
- [Regeneron COVID-19 treatment received Canada approval for final stage trials](#)
- ['We will close your venue,' Quebec's health minister warns bars flouting coronavirus measures](#)
- [Canadian Prime Minister Justin Trudeau to skip Trump trade meeting amid tariff threat, coronavirus concerns](#)
- [Two Toronto hospitals reach new milestone: no COVID-19 patients in the ICU](#)
- [Montreal will make masks mandatory in indoor spaces](#)
- [American visitor to Nova Scotia tests positive for COVID-19](#)
- [Quebec Casino du Lac-Leamy to reopen July 23](#)
- [B.C. announces 6 more deaths from COVID-19](#)
- [Ontario records no new COVID-19-related deaths for first time in months](#)
- [Two Americans fined for breaking Canada's quarantine rules](#)

4. COVID-19 IN USA





Coronavirus Cases

3,042,667

Deaths:

133,062

Recovered:

1,325,648

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	3,054,672	+13,839	133,268	+289	1,594,735	9,229	403	38,297,558	115,702
New York	422,851		32,267		268,098	21,736	1,659	4,288,131	220,429
California	277,433		6,459	+14	197,645	7,021	163	4,793,353	121,313
Florida	213,794	+7,347	3,841	+63	180,528	9,954	179	2,271,267	105,750
Texas	210,006		2,738		103,215	7,243	94	2,431,861	83,869
New Jersey	177,384		15,302		100,913	19,971	1,723	1,549,209	174,417
Illinois	148,987		7,236		28,387	11,757	571	1,782,840	140,693
Massachusetts	110,137		8,198		8,782	15,979	1,189	969,734	140,694
Arizona	105,094	+3,653	1,927	+117	91,331	14,439	265	811,870	111,540
Georgia	97,064		2,878		80,171	9,142	271	1,129,749	106,405
Pennsylvania	95,187		6,805		17,945	7,435	532	837,503	65,420
North Carolina	74,834		1,438		18,078	7,135	137	1,051,846	100,290
Michigan	73,267		6,221		14,205	7,336	623	1,349,633	135,141
Maryland	70,396	+492	3,266	+20	62,094	11,644	540	734,342	121,466
Virginia	66,740	+638	1,881	+28	55,946	7,819	220	802,182	93,982
Louisiana	66,327		3,302		19,999	14,268	710	813,645	175,023

- Within the first five days of July, the USA recorded 250,000 cases. In Texas, the Houston ICU reached 102% capacity, with hospitalizations increasing anywhere between 20% to 44%, depending on the region in the state. Overall, hospitalizations rose 38% over the previous week, with over 3,000 people admitted in one week. Health officials are warning that within the next ten days to two weeks the hospitals could be overwhelmed. Last Thursday, the Governor ordered residents in almost all counties to wear masks in public, effects of which we will likely not see for another few weeks.
- Florida is also seeing spikes in cases, with half of the total confirmed cases recorded in two weeks. The Miami-Dade mayor announcing a shutdown beginning Wednesday of restaurants, gyms, party venues and short-term rentals. However, office buildings, stores, outdoor activities, summer camps, daycare services, and grooming services will stay open. Reports suggest that health authorities may not always perform contract tracing, although contact tracing may not be as effective with such large numbers of cases.
- People continue to fly across the USA, despite fears of catching COVID-19 while flying. The July 4 weekend saw 700,00 people fly on each of the days of the weekend, the most since mid-March. However, this is still only 28% of the numbers seen the previous year in the same weekend. Currently, US airlines are only operating at 46% of their usual capacity.

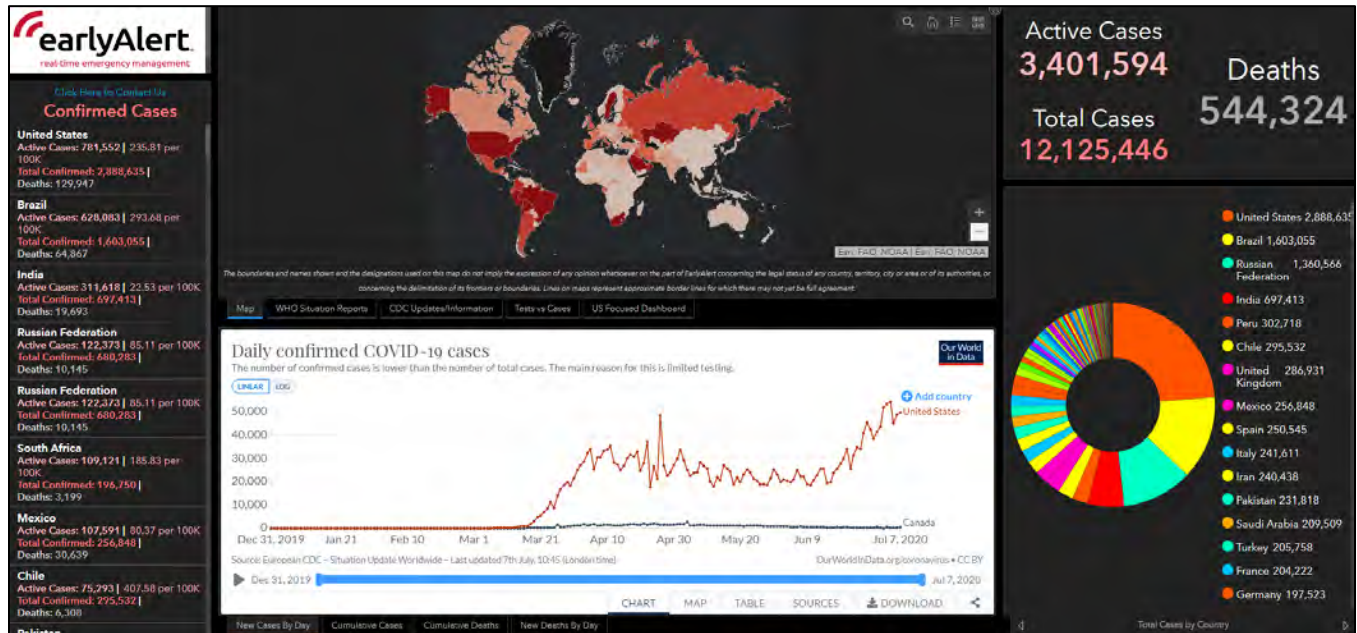
4.1. USA NEWS

- [A grim July: U.S. sees 250,00 new coronavirus cases in just five days](#)
- [The U.S. needs a unified approach to tackle rising coronavirus cases, infectious disease expert says](#)
- [Texas Hospitals Could Be Overrun Within Weeks as Coronavirus Patients Spike 55 Percent](#)
- [As the Virus Surged, Florida Partied. Tracking the Revelers Has Been Tough](#)
- [US COVID-19 cases continue to climb in major hot spots](#)
- [Arizona healthcare workers say they're seeing severe coronavirus cases in people from their 20s to their 90s, but people aren't taking it seriously](#)



- [\\$600 Federal Unemployment Checks To Be Extended?](#)
- [As Florida sets records for Covid-19 cases, health authorities often fail to do contact tracing](#)

5. GLOBAL COMMON OPERATING PICTURE





		Total Confirmed	Total Deaths			Total Recovered	Mortality Rate			
		11,780,467	541,775			6,775,477	4.6%			
#	Country	Confirmed	Deaths	Recov.	Mort.	Critical	Active	Cases /1M	Active /1M	Deaths /1M
1	USA	3,042,461 (↑1,628)	133,061 (↑82)	1,325,627	4.4%	15,198	1,583,773	9,191	4784	402
2	Brazil	1,628,283 (↑2,212)	65,631 (↑75)	1,072,229	4.0%	8,318	490,423	7,660	2307	309
3	India	723,195 (↑2,849)	20,201 (↑27)	441,733	2.8%	8,944	261,261	524	189	15
4	Russia	694,230 (↑6,368)	10,494 (↑198)	463,880	1.5%	2,300	219,856	4,757	1507	72
5	Peru	305,703	10,772	197,619	3.5%	1,236	97,312	9,270	2951	327
6	Spain	298,669	28,388	n/a	9.5%	617	270,481	6,392	5785	607
7	Chile	298,557	6,384	264,371	2.1%	2,069	27,802	15,616	1454	334
8	UK	285,768	44,236	n/a	15.5%	231	241,532	4,209	3558	652
9	Mexico	261,750 (↑4,902)	31,119 (↑480)	159,657	11.9%	378	70,974	2,030	550	241
10	Iran	245,688 (↑2,637)	11,931 (↑200)	207,000	4.9%	3,270	26,757	2,925	319	142
11	Italy	241,819	34,869	192,241	14.4%	72	14,709	4,000	243	577
12	Pakistan	234,509 (↑2,691)	4,839 (↑77)	134,957	2.1%	2,306	94,713	1,061	429	22
13	Saudi Arabia	217,108 (↑3,392)	2,017 (↑49)	154,839	0.9%	2,268	60,252	6,235	1730	58
14	Turkey	206,644	5,241	182,995	2.5%	1,130	18,608	2,452	221	62
15	South Africa	205,721	3,310	97,848	1.6%	539	104,563	3,468	1763	56
16	Germany	198,111 (↑54)	9,093 (↑1)	182,700	4.6%	305	6,318	2,364	75	109
17	Bangladesh	168,645 (↑3,027)	2,151 (↑55)	78,102	1.3%	1	88,392	1,024	537	13
18	France	168,335	29,920	77,308	17.6%	548	61,107	2,579	936	458
19	Colombia	120,281	4,210	50,370	3.5%	841	65,701	2,364	1291	83
20	Canada	106,046 (↑112)	8,695 (↑2)	69,747	8.2%	2,128	27,672	2,798	733	229

6. LAW ENFORCEMENT AND CRIME REPORTING

- [It's Been 'Such a Weird Year.' That's Also Reflected in USA Crime Statistics](#)
- [UK bus driver left brain dead after being 'attacked over face masks'](#)
- [Man Allegedly Attacked, Spit on Massachusetts Police Officers](#)
- [UN chief warns COVID-19 provides opportunity for terrorists](#)

7. TRAVEL

- [Australia Stops Travel Between Sydney & Melbourne After Coronavirus Spike](#)
- [Alaska Airlines CEO Predicts Air Fares Will Fall Post-COVID](#)
- ['N95 mask and hand sanitizer at the ready': The COVID-19 pandemic affects the future of Gen Z travel](#)
- [TSA screened 2.7 million people over holiday weekend](#)

8. SOLUTION AND RESPONSE EFFORTS

- [Scientists warn of overlooked danger from coronavirus-spreading airborne microdroplets](#)
- [A Patient's Coronavirus Vaccine Trial Experience](#)
- [Brazil trials of potential Chinese COVID-19 vaccine to begin July 20](#)
- [Nearly one in six Britons would refuse Covid-19 vaccine – survey](#)



9. MEDICAL INFORMATION

- [WHO discontinues hydroxychloroquine and lopinavir/ritonavir treatment arms for COVID-19](#)
- [Low Exhaled Breath Droplet Formation May Explain Why Children are Poor SARS-CoV-2 Transmitters](#)
- [How can airborne transmission of COVID-19 indoors be minimised?](#)
- [Scientists scoff at Indian agency's plan to have COVID-19 vaccine ready for use next month](#)
- [Amid COVID-19 resurgence, fewer deaths. Dr. Fauci explains why](#)
- [Newer variant of COVID-19-causing virus dominates global infections](#)

10. INTERNATIONAL DATA

- [US and Brazil lead in Covid cases as leaders downplay the virus](#)
- [US increasingly excludes China from coronavirus research projects](#)
- [India overtakes Russia to become third worst-hit nation](#)

11. ECONOMIC IMPACT

- [Goldman Sachs cuts 2020 U.S. economy's growth outlook as COVID-19 cases soar](#)
- [Moody's signals Canadian provinces can avoid post-COVID-19 downgrades, analysts say](#)
- [Trump administration releases list of companies that received most money from small business bailout loans](#)
- [Dow Jones Today: Coronavirus Stock Market Rally Roars, Investors Ignore Covid-19 Surge; S&P 500 Stocks Build On Bullish Momentum](#)
- [June's good news about jobs may be erased by July's spike in coronavirus cases](#)
- [International students may need to leave US if their universities transition to online-only learning](#)

12. CYBER NEWS

- [IBM study: More cyberattacks succeeding, despite better business planning](#)
- [Brazil's Hapvida Discloses Cyber Breach, Potential Client Data Leak](#)
- [200% increase in cyber incidents in India in two months, but not attributable to China: Official](#)

End Report

Please submit feedback to:

Scott McGregor, CD, BCom

Intelligence Manager

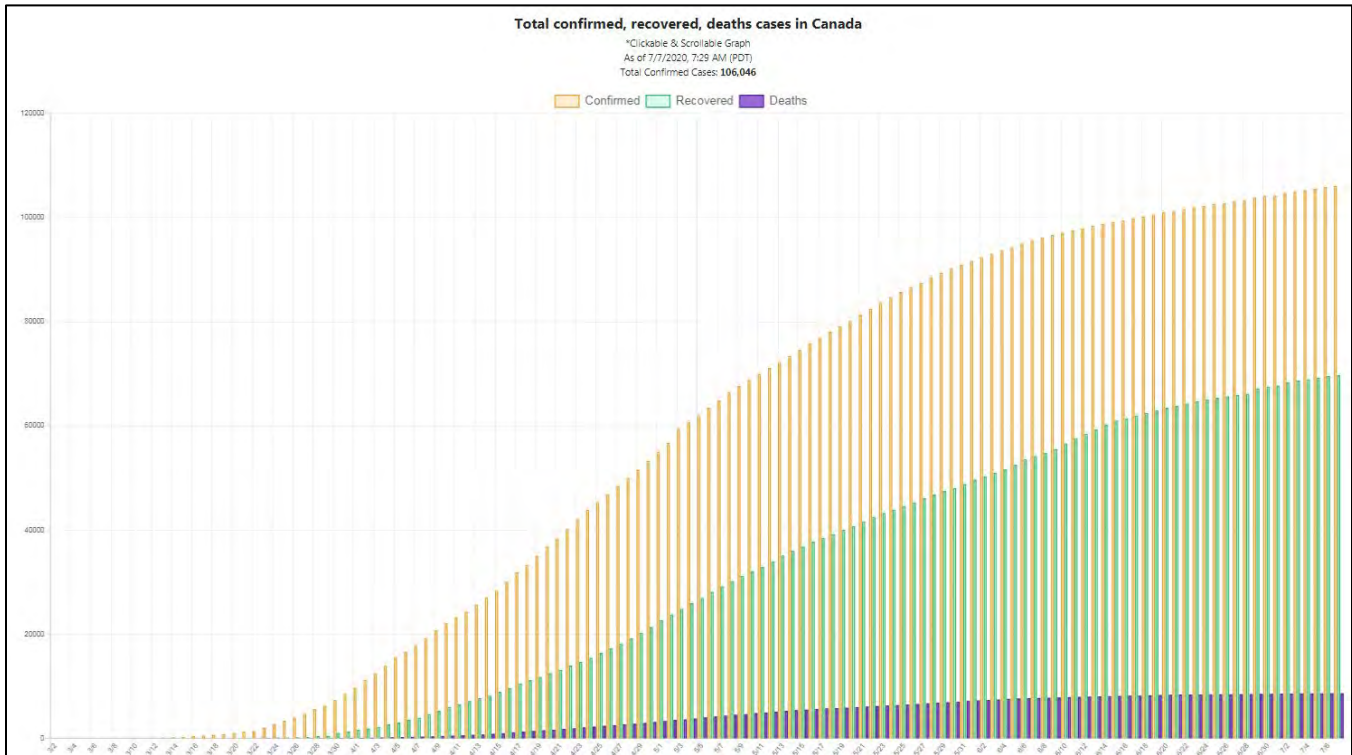
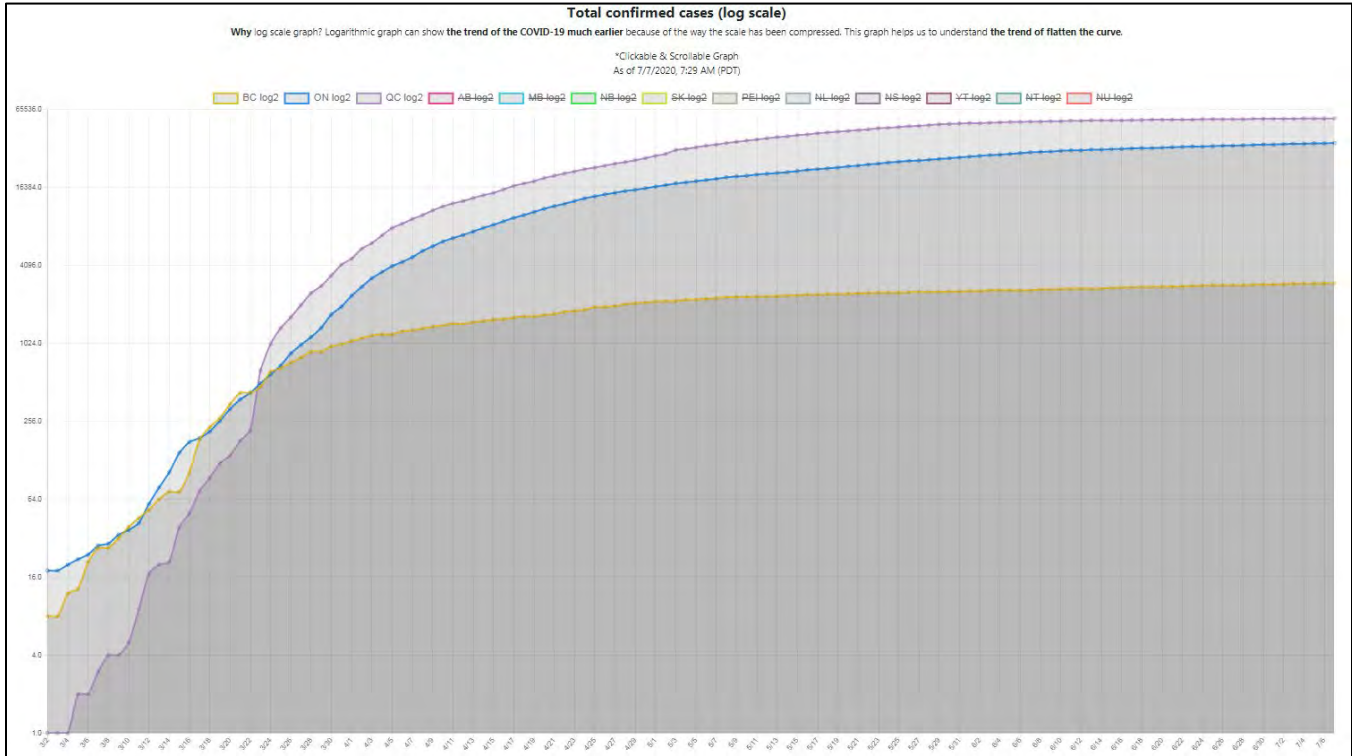
Paladin Risk Solutions Inc.

C. 604-910-7781

smcgregor@paladinrisksolutions.com

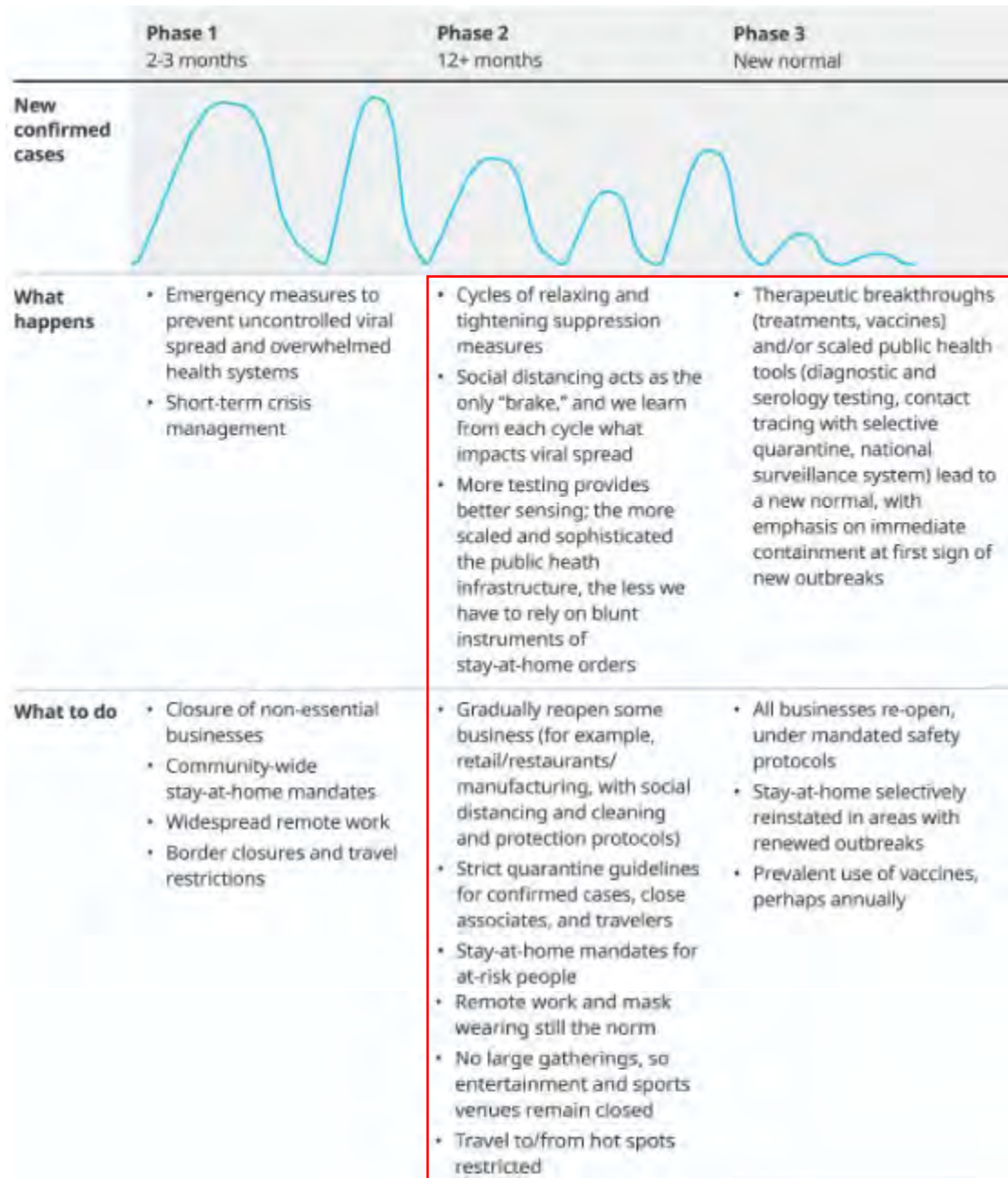
Special thanks to MG, Senior OSINT Analyst and Investigator.

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>