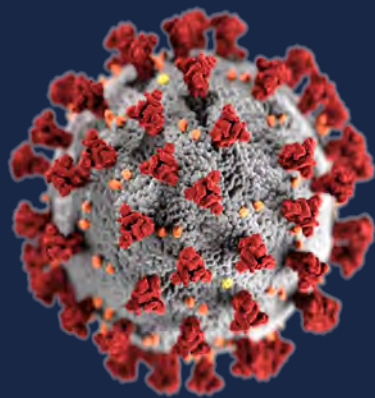




**Paladin
Risk Solutions**



COVID-19

INTELLIGENCE REPORT

Situational Awareness for:
Stakeholders and Decision Makers

13 October 2020



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Table with 5 columns: Confirmed, Deaths, Recovered, Active. Rows for Canada, USA, and Global. Values include 184,390 Confirmed for Canada, 8,040,170 for USA, and 38,150,371 for Global.

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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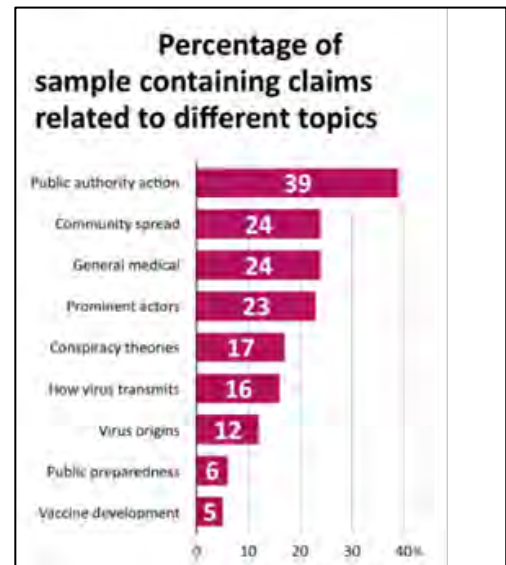
2. INSIGHT and SITUATIONAL AWARENESS

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COVID-19 Misinformation. It is believed that the biggest hurdle to an effective COVID-19 response is the spread of misinformation regarding the virus. Although misinformation was mostly spread on social media, where everyone sees a different reality than another due to algorithms created to specifically cater to that individual's interests, it is also found in some TV programming. In the USA, states where people see a downplay of COVID-19 in the news are more likely to have more cases and deaths, likely because people did not follow health measures. Social media influencers in pseudo-science and freedom rights have made some health measures such as wearing masks into a political and not a public health decision. Communication experts are recommending that the scientific community take certain steps in an effort to standardize the response and be more effective in their information sharing.

On social media, most of the COVID-19 misinformation engagement (69%) is usually put forth by celebrities, politicians, and other public figures. These only account for 20% of COVID-19 health claims, despite the engagement they have reached. Experts advise that public health officials should partner with celebrities and social media influencers in order to extend their reach. A coordinated effort consisting of health experts, celebrities, political figures, and both non-profit and corporate partners will likely assist in getting the message across all types of media, including social media and traditional media. Social media platforms should take a transparent yet consistent effort to remove false information about COVID-19 from their platforms. Much of the misinformation does not characterize the health measures put together by public health authorities. The effort should involve real time removal of false information where possible.

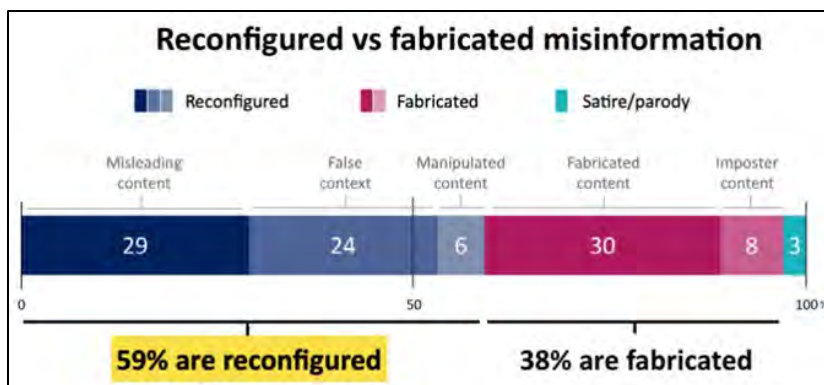
Social media is prized because it is a two-way platform, unlike reading a newspaper. People can have dynamic conversations, exchanging ideas, thoughts and opinions in comments and replies, in an effort to persuade change on a micro level. Public health messaging is not a dynamic platform; the public is often not included in the decision making but rather hear the end of such decisions, which are the measures they must follow. Public health officials should dynamically interact with the public, providing proactive messaging after removal of false information, which appears to spread about six times faster than genuine information. Public health officials are not seasoned in social media messaging, which often includes catchy and visual infographics and ways of presenting information that is not used in historical health messaging. Additionally, governments in developed countries are likely afraid to use techniques in persuasive technology which are utilized by businesses and the ad industry, which may better target the messages depending on the individual.



With individuals receiving their information from different platforms, consistent messaging across those platforms would allow for a more cohesive response. However, with the divide currently being felt in much of North America, likely caused by these types of differing social messaging tailored to each individual, it is believed that some individuals, especially those who are anti-government and pro-freedom, will not be easily persuaded and would

have to deal with the cognitive dissonance; realizing that the beliefs they have held, which often revolve around an entire worldview and not just a specific health message, have been erroneous.

State actors, such as Russia and China are also believed to have made attempts at spreading disinformation to reshape regional geopolitics. The type of false content usually depends on whether the information was reconfigured from true information, with some being entirely fabricated. The information may be taken out of context or presented in a misleading way. Fabricated and “imposter” content only makes up for 38% of misinformation, suggesting that most misinformation is caused by content which is either presented in a misleading way or taken out of context, usually utilizing some information posted by health authorities. This poses additional difficulties as true information may be misrepresented and therefore difficult to control on social media. Millions of individuals are likely, if not more by automated bots, to bombard the internet with a non-stop stream of misinformation content.

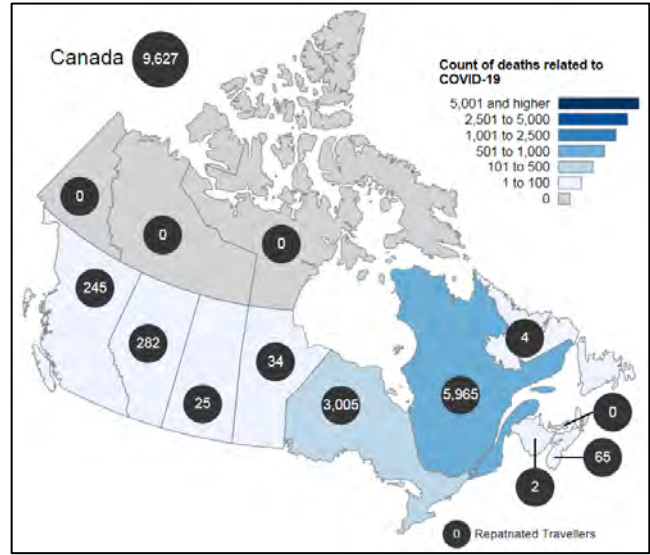
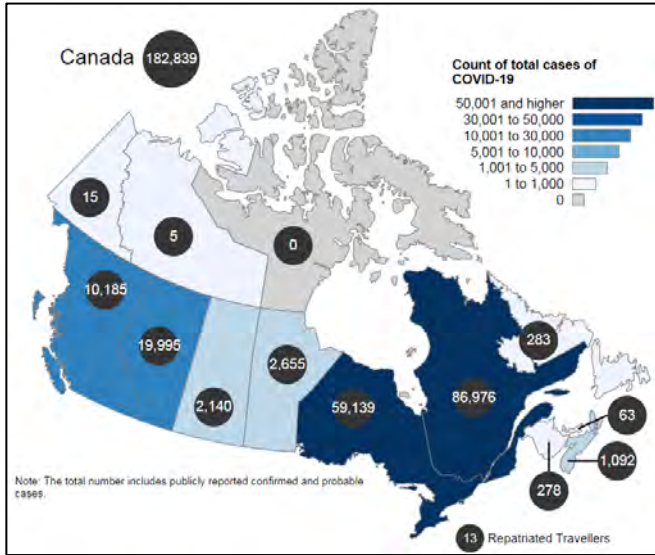


Difficulties with social media efforts may include individuals being allowed to voice their opinions without being censored if the speech does not encourage violence. How do we balance the right of an individual who believes a falsehood with the possible public health effects of such beliefs? Some beliefs may not be a public health threat, such as the flat earth theory. Where is the line between a belief

which is detrimental to society, and just a belief? What constitutes free speech and where is the line drawn between free speech without any consequences, and free speech which may be detrimental to society. Is there a line? Should free speech by individuals only be allowed if it does not have public health consequences? All of these are a hinderance to public safety efforts and attempts to make changes will likely result in some pushback. Although the pushback may be counterproductive to some individuals, if done right, it may harden the message sent by health officials.



3. COVID-19 IN CANADA

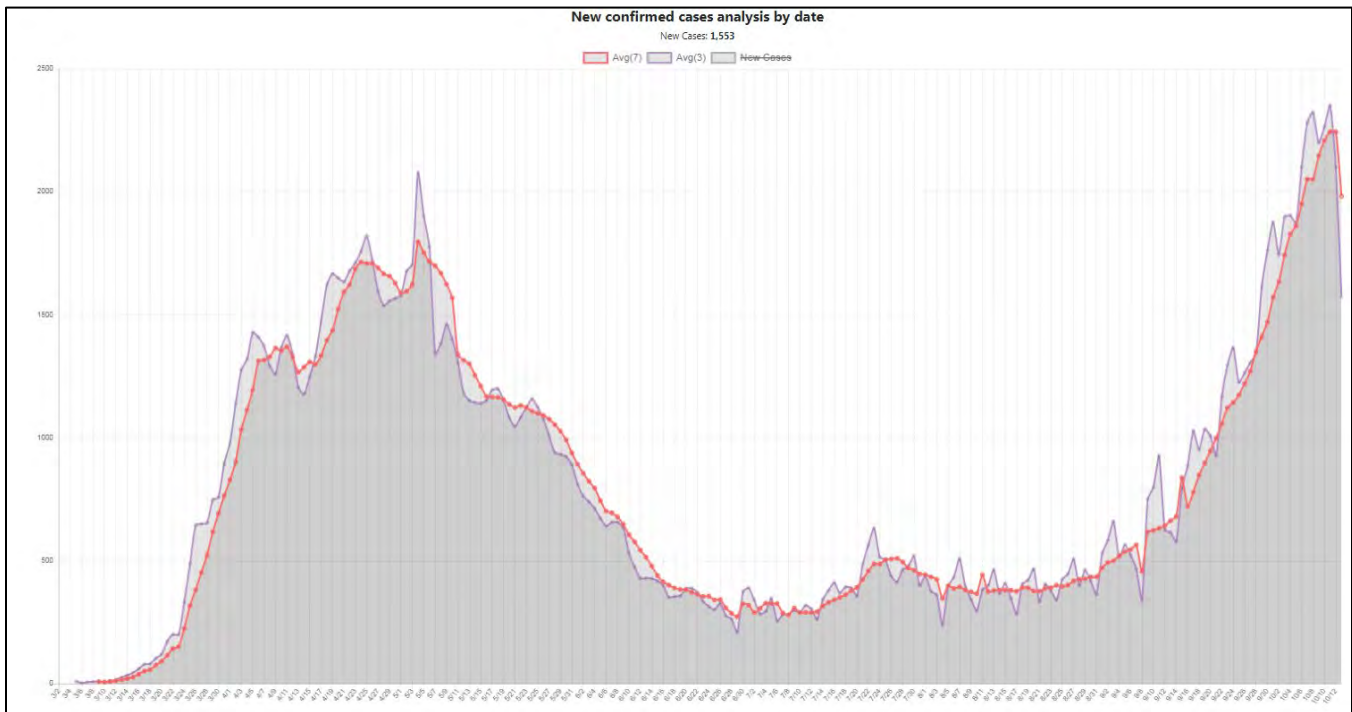


Source: <https://www.canada.ca/en/public-health/services/diseases/2019-novel-coronavirus-infection.html>

Prov.	Total Confirmed	Total Deaths	Total Recovered	Total Active
Total	184,390 (↑1553)	9,639 (↑12)	155,550 (↑1292)	19,201 (↑249)
BC	10,185	245	8,502	1,438
ON	60,692 (↑1553)	3,017 (↑12)	51,729 (↑1292)	5,946 (↑249)
QC	86,976	5,965	72,857	8,154
AB	19,995	282	17,488	2,225
MB	2,655	34	1,490	1,131
NB	278	2	200	76
SK	2,140	25	1,900	215
PEI	61	0	58	3
NL	283	4	270	9
NS	1,092	65	1,023	4
YT	15	0	15	0
NT	5	0	5	0
NU	0	0	0	0
🇨🇦	13	0	13	0
Rate of Change	↑ 0.8%	↑ 0.1%	↑ 0.8%	↑ 1.3%



Prov.	Total Test	Total Waiting	Total Hosp	Total ICU
Total	9,967,562 (+67,706)	-	-	-
BC	638,915	-	68	19
ON	4,462,167 (+67,706)	24420 (-21417)	230 (+13)	60 (+9)
QC	2,657,088	-	457	75
AB	1,498,064	-	86	11
MB	210,902	-	25	4
NB	85,792	-	5	1
SK	217,606	-	8	1
PEI	35,376	60	-	-
NL	46,792	-	0	0
NS	102,402	-	1	1
YT	3,588	94	-	-
NT	5,592	20	0	0
NU	3,278	579	0	0
Rate of change	↑ 0.7%	-	-	-



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

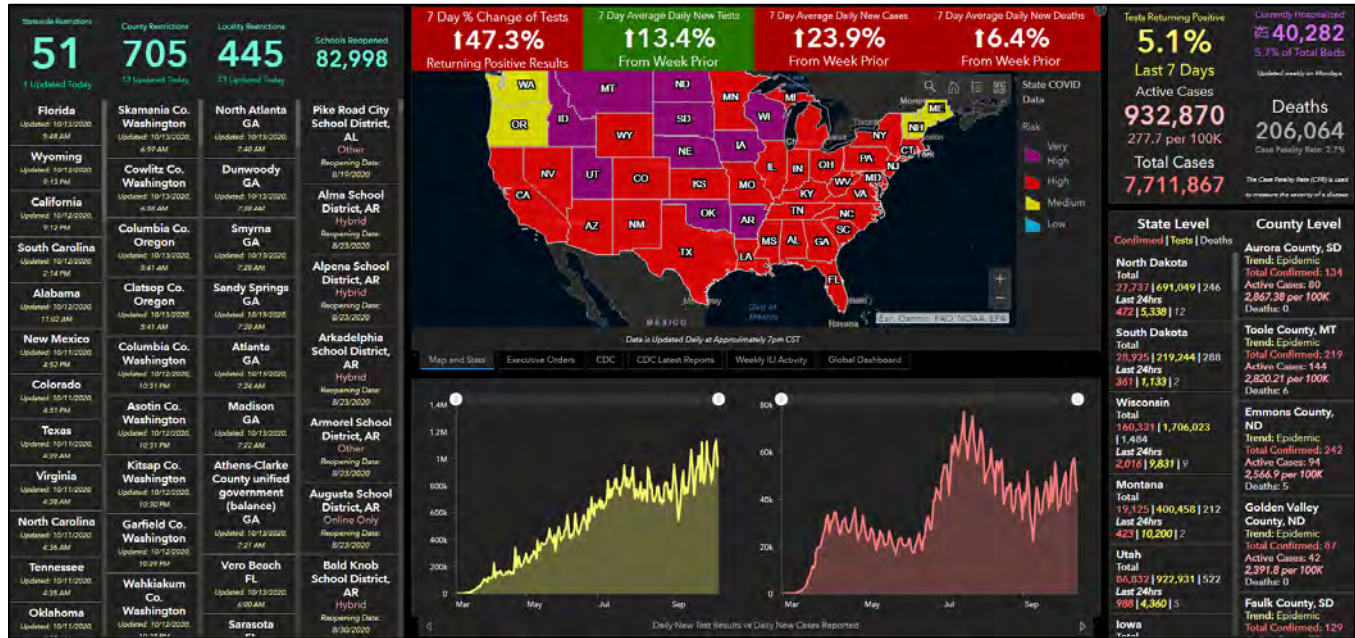
3.1. CANADA NEWS

- [Canadians reporting higher levels of anxiety, depression amid the pandemic](#)
- [New CRA support program for COVID-19 benefits restored after technical difficulties](#)
- [Canada celebrates Thanksgiving amid coronavirus second wave, mixed messages](#)



- [Ontario long-term care homes suffered due to efforts to help hospitals, inquiry hears](#)
- [B.C. restaurants prepare to struggle through the rain and cold](#)
- [Canadian company turns shipping containers into portable operating rooms](#)
- [Quebec reports 843 new cases, 12 additional deaths linked to COVID-19](#)
- [Canada adds 975 new coronavirus cases, 14 more deaths on Monday](#)

4. COVID-19 IN USA

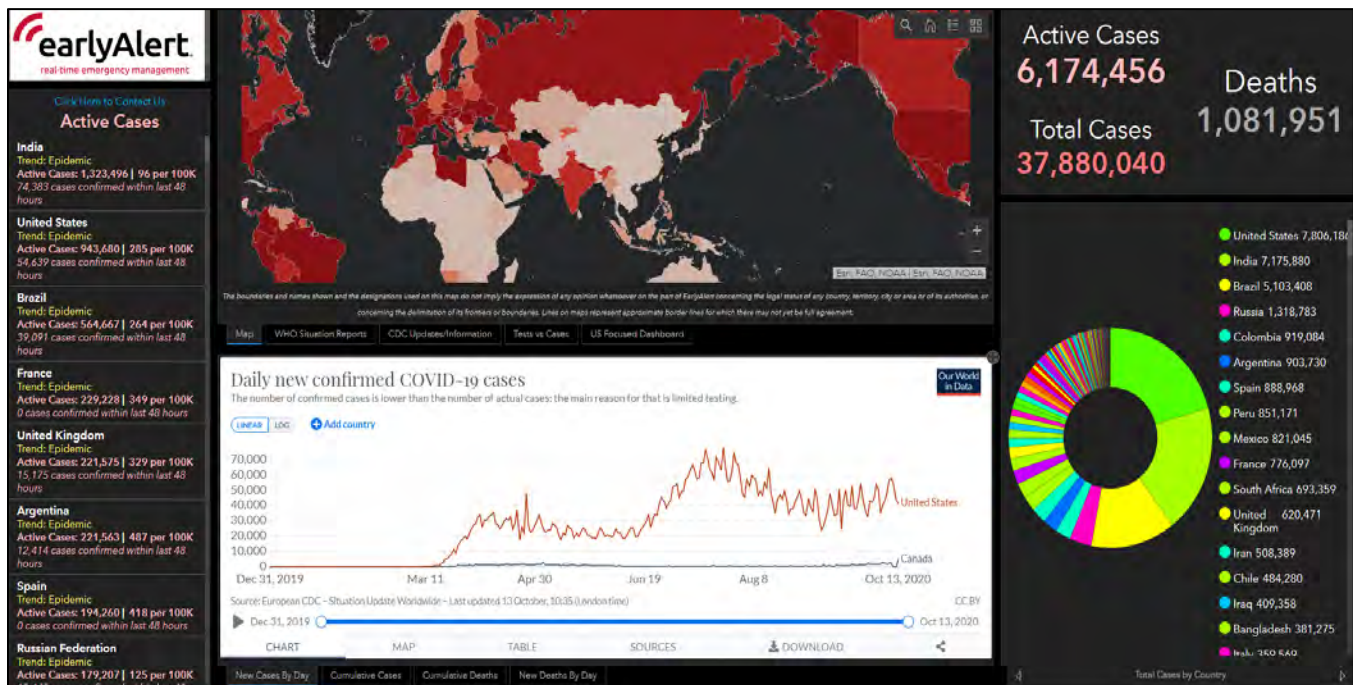


#	USA State	Total Cases	Total Deaths	Total Recovered	Active Cases	Tot Cases/ 1M pop	Deaths/ 1M pop	Total Tests	Tests/ 1M pop	Population
	USA Total	8,041,332	220,053	5,186,639	2,634,640	24,294	665	119,535,575	361,132	
1	California	858,368	16,593	441,736	400,039	21,724	420	16,191,341	409,781	39,512,223
2	Texas	839,669	17,098	722,051	100,420	28,955	590	7,550,496	260,399	28,995,881
3	Florida	736,024	15,413	444,225	276,386	34,269	718	5,574,469	259,546	21,477,737
4	New York	510,610	33,391	405,604	71,615	26,248	1,716	12,131,366	623,606	19,453,561
5	Georgia	332,311	7,429	138,924	185,958	31,299	700	3,480,684	327,828	10,617,423
6	Illinois	324,930	9,243	215,928	99,759	25,642	729	6,355,261	501,527	12,671,821
7	North Carolina	232,747	3,773	206,471	22,503	22,192	360	3,411,026	325,229	10,488,084
8	Arizona	226,050	5,759	37,287	183,004	31,056	791	1,876,432	257,797	7,278,717
9	New Jersey	217,990	16,293	175,949	25,748	24,542	1,834	3,971,597	447,142	8,882,190
10	Tennessee	217,682	2,774	194,836	20,072	31,875	406	3,201,707	468,828	6,829,174
11	Pennsylvania	177,845	8,450	140,376	29,019	13,892	660	2,323,986	181,533	12,801,989
12	Louisiana	172,119	5,669	157,873	8,577	37,024	1,219	2,489,737	535,566	4,648,794
13	Ohio	170,229	5,011	143,826	21,392	14,563	429	3,652,066	312,433	11,689,100
14	Alabama	167,193	2,665	71,240	93,288	34,099	544	1,281,759	261,414	4,903,185
15	Virginia	159,570	3,361	18,539	137,670	18,695	394	2,447,058	286,691	8,535,519
16	South Carolina	158,055	3,559	78,431	76,065	30,698	691	1,640,138	318,553	5,148,714

4.1. USA NEWS

- [Mortality in the U.S. was more than 280,000 higher during the first eight months of 2020 than any of the previous five years over the same period](#)
- [Trump tests negative for the coronavirus on consecutive days, White House doctor says](#)
- [Patients getting slammed by surprise costs related to COVID-19](#)
- [Another casualty of the coronavirus pandemic: Trust in government science](#)
- [D.C. reports increased demand for coronavirus tests amid White House outbreak](#)
- [After plummeting at start of pandemic, local hospital visits are on the rise](#)
- [Californians hospitalized with COVID-19 at lowest level in 6 months](#)
- [Americans plan to stockpile food this fall over fears of COVID-19 surge, election unrest](#)
- [First case of COVID-19 reinfection confirmed in the U.S.: study](#)

5. GLOBAL COMMON OPERATING PICTURE





		Total Confirmed	Total Deaths	Total Recovered			Mortality Rate			
		38,150,371	1,086,864	28,676,520			2.85%			
#	Country	Confirmed	Deaths	Recov.	Mort.	Critical	Active	Cases /1M	Active /1M	Deaths /1M
1	USA us	8,040,170 (+2,381)	220,036 (+25)	5,186,421	2.7%	14,923	2,633,713	24,250	7944	664
2	India IN	7,179,006 (+5,441)	109,923 (+29)	6,228,098	1.5%	8,944	840,985	5,188	608	79
3	Brazil BR	5,103,408	150,709	4,495,269	3.0%	8,318	457,430	23,961	2148	708
4	Russia RU	1,326,178 → (+13,868)	22,966 (+244)	1,031,785	1.7%	2,300	271,427	9,086	1860	157
5	Colombia CO	919,083	27,985	798,396	3.0%	2,220	92,702	18,009	1816	548
6	Spain ES	918,223	33,124	n/a	3.6%	1,546	885,099	19,637	18929	708
7	Argentina AR	903,730	24,186	732,582	2.7%	4,287	146,962	19,944	3243	534
8	Peru PE	851,171	33,357	748,097	3.9%	1,182	69,717	25,715	2106	1,008
9	Mexico MX	821,045 (+3,542)	83,945 (+164)	597,911 →	10.2%	2,379	139,109	6,349	1076	649
10	France FR	743,479	32,779	100,828	4.4%	1,448	609,872	11,383	9337	502
11	South Africa ZA	693,359	17,863	624,659	2.6%	546	50,837	11,649	854	300
12	UK GB	617,688	42,875	n/a	6.9%	442	574,813	9,085	8455	631
13	Iran IR	508,389 (+4,108)	29,070 (+254)	411,840	5.7%	4,570	67,479	6,031	801	345
14	Chile CL	482,888	13,379	454,484	2.8%	785	15,025	25,200	784	698
15	Iraq IQ	409,358 (+3,921)	9,970 (+58)	344,208	2.4%	501	55,180	10,115	1363	246
16	Bangladesh BD	381,275 (+1,537)	5,577 (+22)	295,873	1.5%	n/a	79,825	2,309	463	34
17	Italy IT	359,569	36,205	240,600	10.1%	452	82,764	5,950	1369	599
18	Philippines PH	344,713 (+1,990)	6,372 (+40)	293,383	1.8%	1,758	44,958	3,134	409	58
19	Indonesia ID	340,622 (+3,906)	12,027 (+92)	263,296	3.5%	n/a	65,299	1,242	238	44
20	Saudi Arabia SA	340,089 (+474)	5,087 (+19)	326,339	1.5%	839	8,663	9,726	248	145
21	Turkey TR	337,147	8,895	295,658	2.6%	1,417	32,594	3,985	385	105
22	Germany DE	332,605 (+1,511)	9,727 (+6)	279,100	2.9%	590	43,778	3,966	522	116
23	Pakistan PK	319,848 (+531)	6,588 (+8)	304,609	2.1%	516	8,651	1,440	39	30
24	Israel IL	295,037 (+1,006)	2,021	241,764	0.7%	801	51,252	32,078	5572	220
25	Ukraine UA	270,587 (+5,133)	5,122 (+107)	116,562	1.9%	177	148,903	6,198	3411	117
26	Netherlands NL	188,876 (+7,378)	6,631 (+35)	n/a	3.5%	297	182,245	11,016	10629	387
27	Canada CA	184,390 (+1,553)	9,639 (+12)	155,550	5.2%	→ 154	18,954	4,866	501	254

6. LAW ENFORCEMENT AND CRIME REPORTING

- [Greater cooperation urged worldwide as criminals seek to profit from COVID-19](#)
- [Portland protesters pull down statues of Teddy Roosevelt and Abe Lincoln](#)
- [How Italy plans to stop mafia preying on Covid-hit businesses](#)

7. TRAVEL

- [U.S. government won't say why it allows Canadians to fly to U.S. despite border closure](#)
- [As Coronavirus Infections Rise in Europe, So Do Travel Restrictions](#)
- [Airline industry official defends response to pandemic](#)

8. SOLUTION AND RESPONSE EFFORTS

- [Johnson & Johnson pauses Covid-19 vaccine trial after 'unexplained illness'](#)
- [COVID Misinformation Is Killing People](#)
- [Nurses suffer burn-out, psychological distress in COVID fight - association](#)



- [Bill Gates: Don't call Trump's coronavirus antibodies treatment a 'cure'](#)

9. MEDICAL INFORMATION

- [Low zinc levels at clinical admission associates with poor outcomes in COVID-19](#)
- [Protection against reinfection](#)
- ['I Feel Like I Have Dementia': Brain Fog Plagues Covid Survivors](#)

10. INTERNATIONAL DATA

- [India surpasses 7M COVID-19 cases as health experts warn of virus fatigue](#)
- [U.K. struggles to build support for new lockdowns as Covid-19 cases rise sharply](#)
- [Brazilians volunteer for vaccine trials to counter growing skepticism](#)
- [China to test 9 million people as coronavirus cluster detected in city of Qingdao](#)
- [Chile scientists study potential coronavirus mutation in remote Patagonia](#)
- [Covid-19 cases surging in Europe, triggering tightening restrictions](#)

11. ECONOMIC IMPACT

- [Covid-19 to alter the insurance risk landscape](#)
- [Coronavirus pandemic to cost Americans \\$16 trillion, study finds](#)
- [The Impact Of Covid-19 On U.S. Economy And Financial Markets](#)
- [Covid-19 fuelling automation of otherwise safe jobs](#)
- [Stocks hit six-week high as tech shares lead](#)

12. CYBER NEWS

- [In the Age of Coronavirus, Infectious Disease Isn't the Top Business Risk in the US; Cyber Attacks Are](#)
- [How Russia, China, and other governments use coronavirus disinformation to reshape geopolitics](#)
- [New Microsoft action to combat ransomware ahead of U.S. elections](#)

End Report

Please submit feedback to:

Scott McGregor, CD, BCom

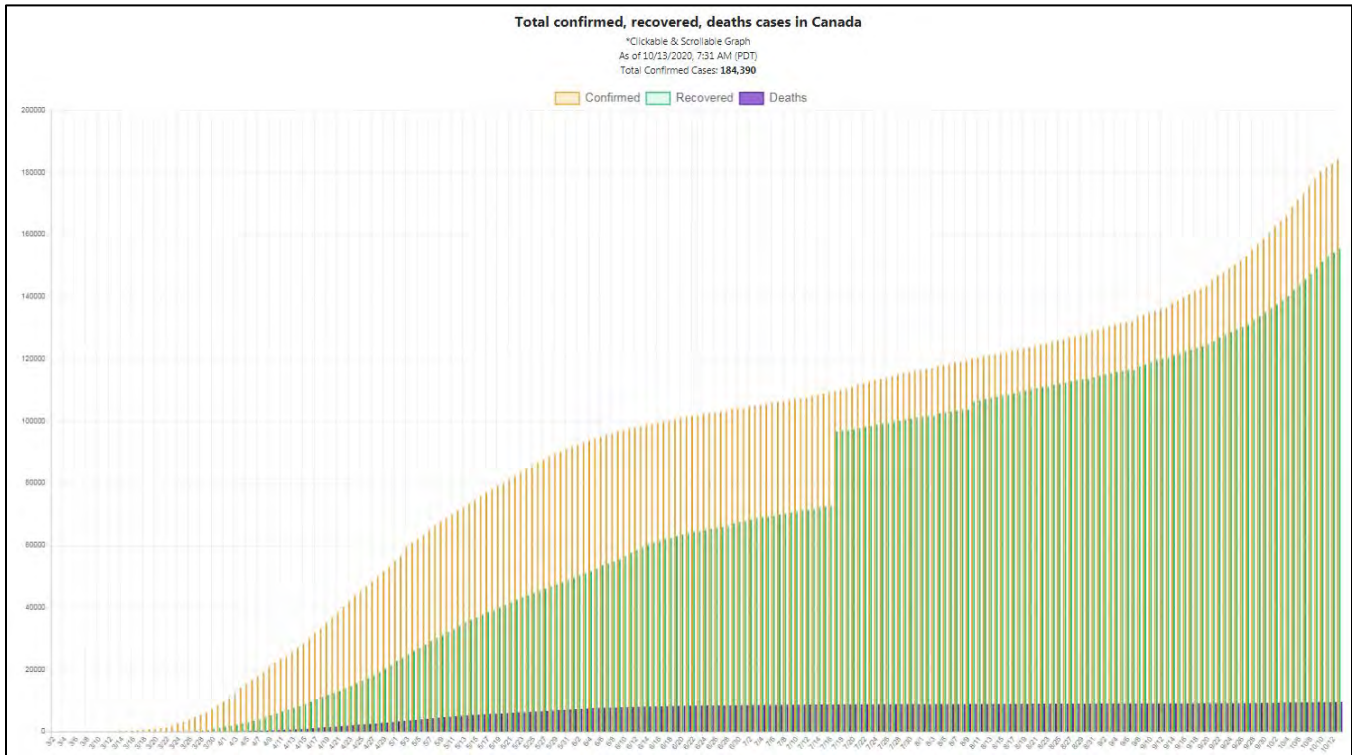
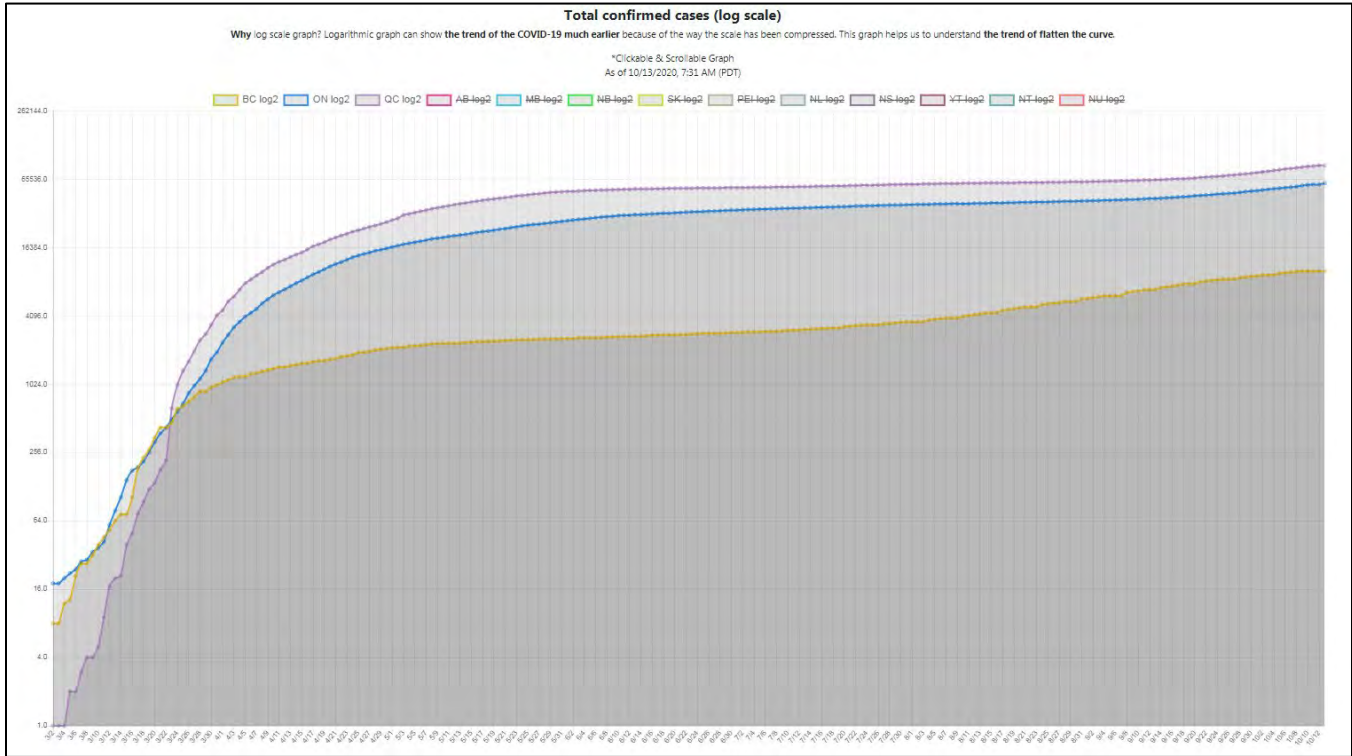
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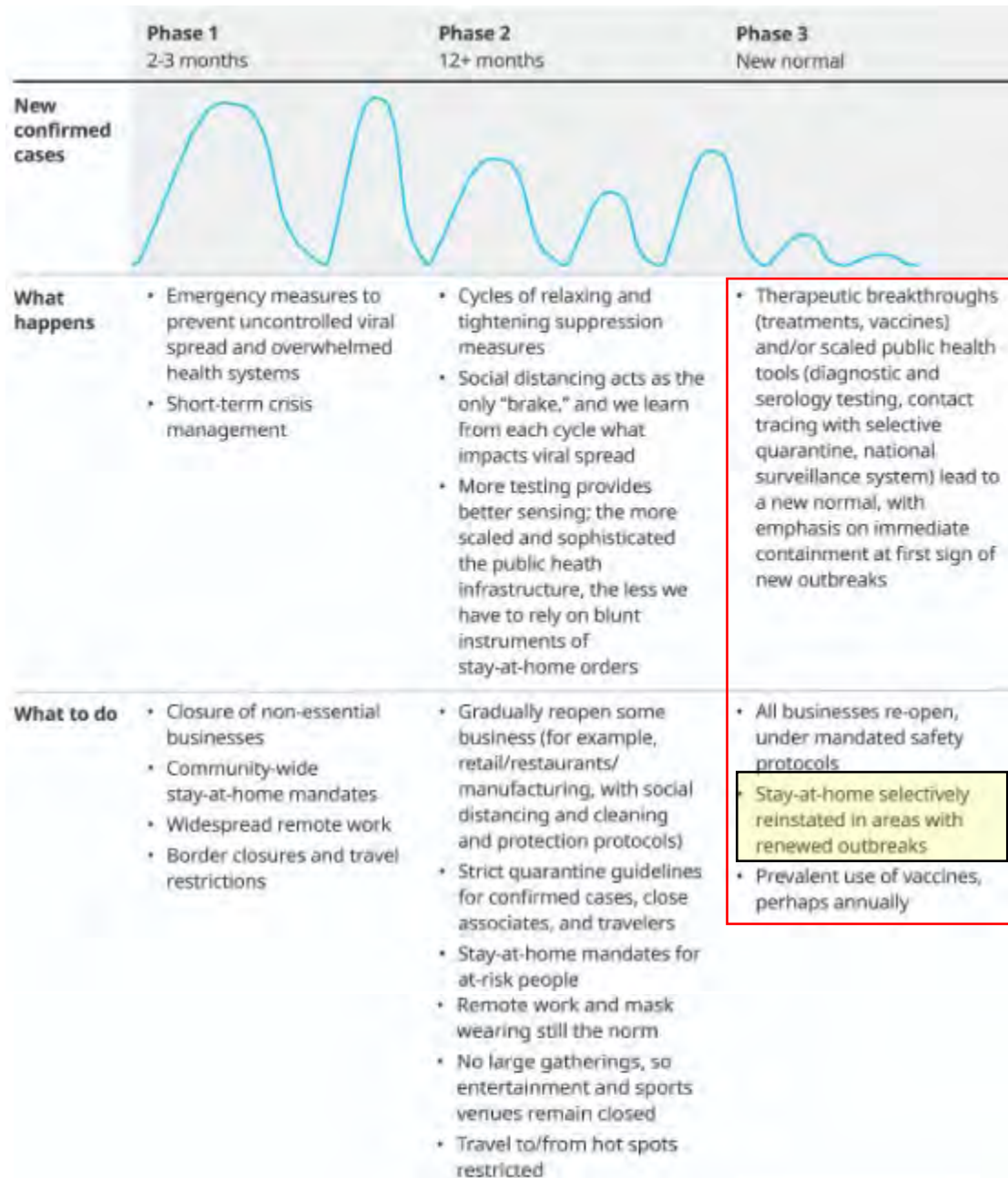
13. APPENDIX A – Canadian Tracking Information



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>