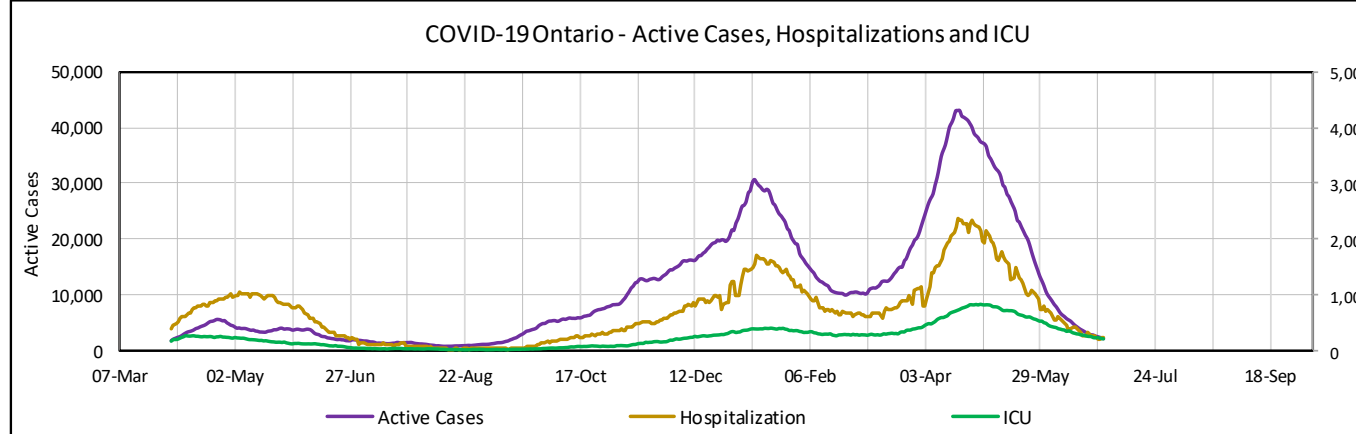
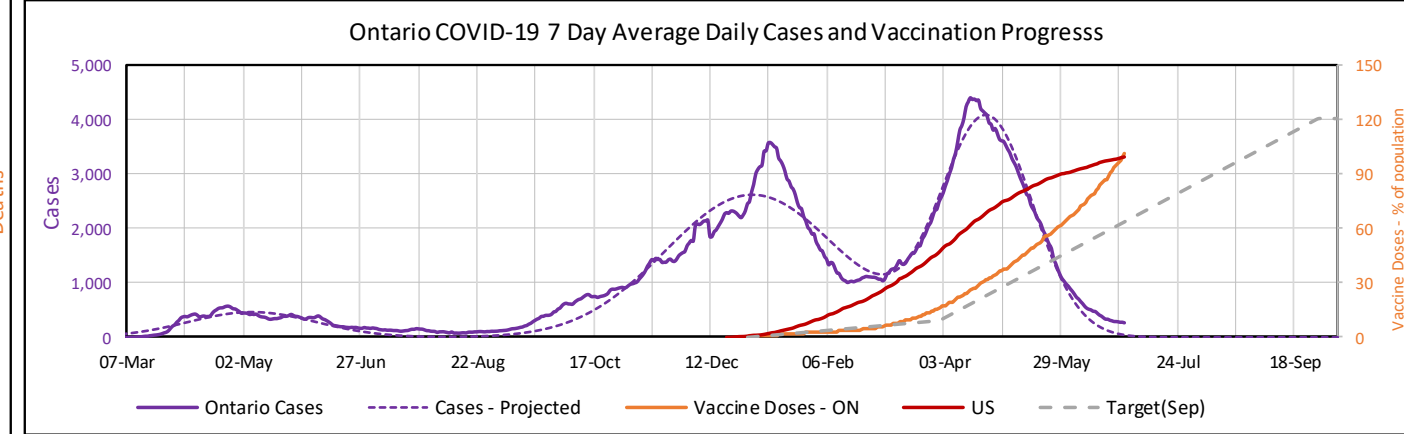
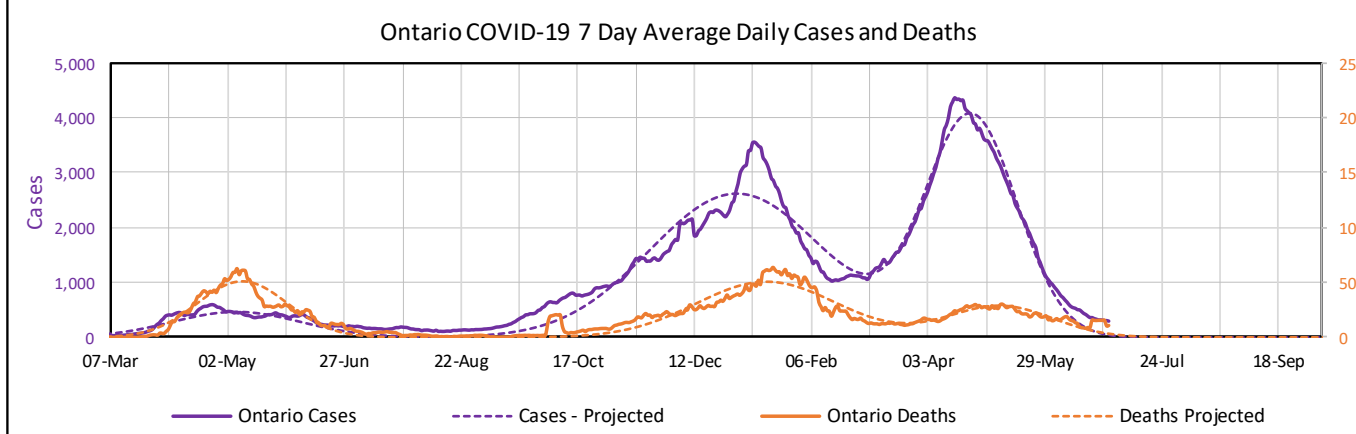
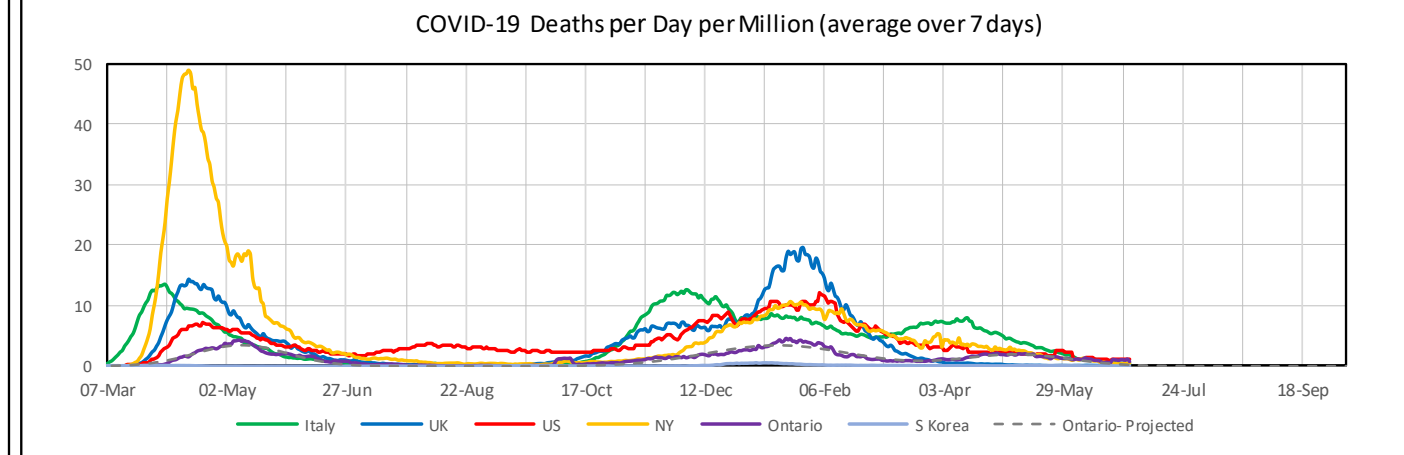
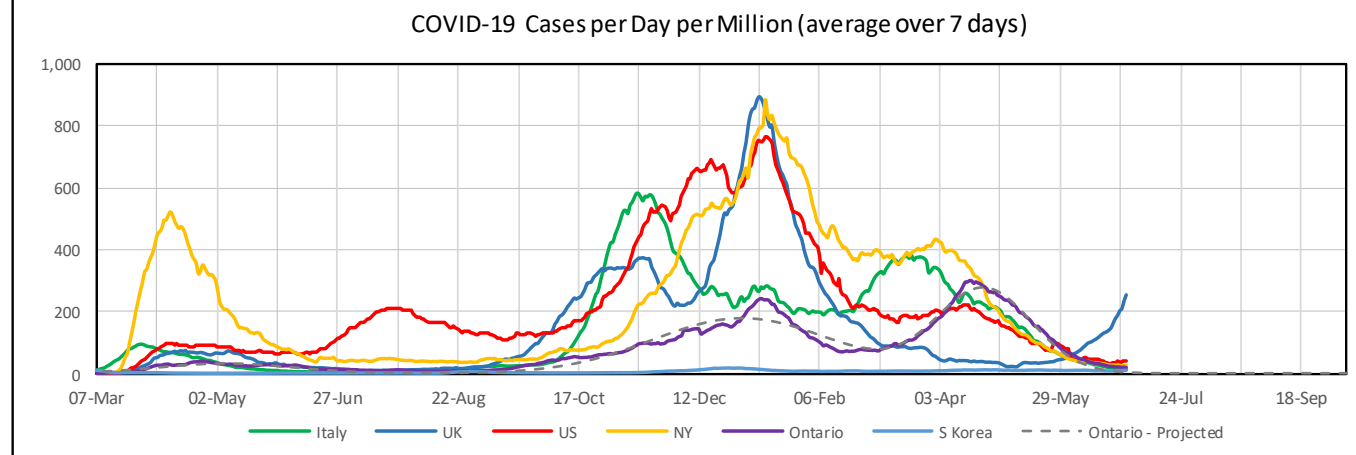
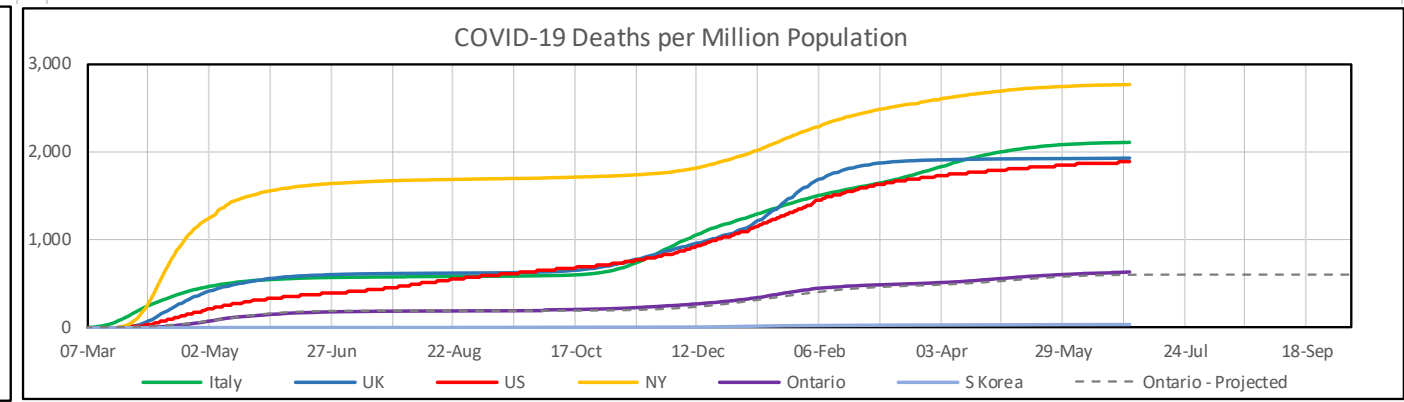
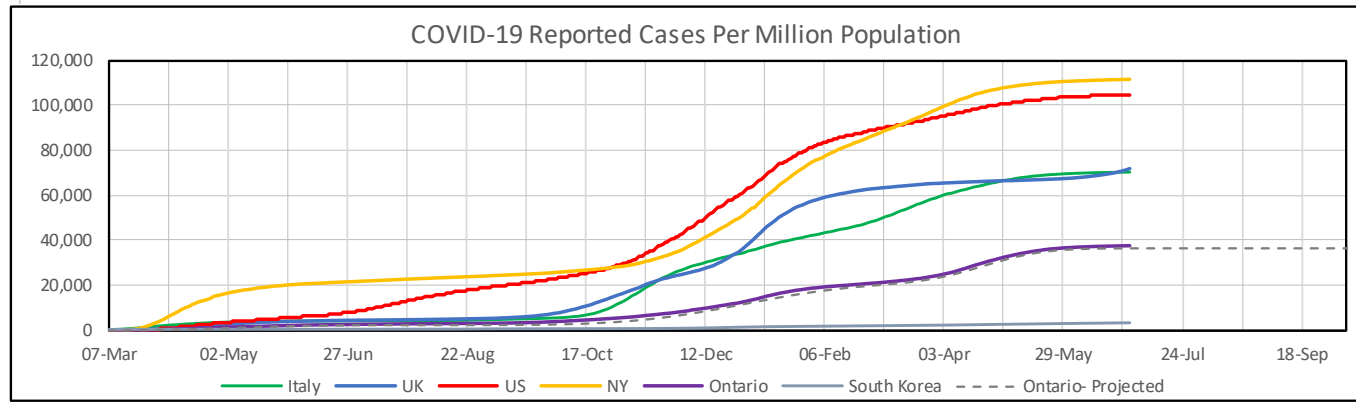


COVID-19 Observations – 1 July, 2021 – by Alex Harrington



Happy Canada Day!!

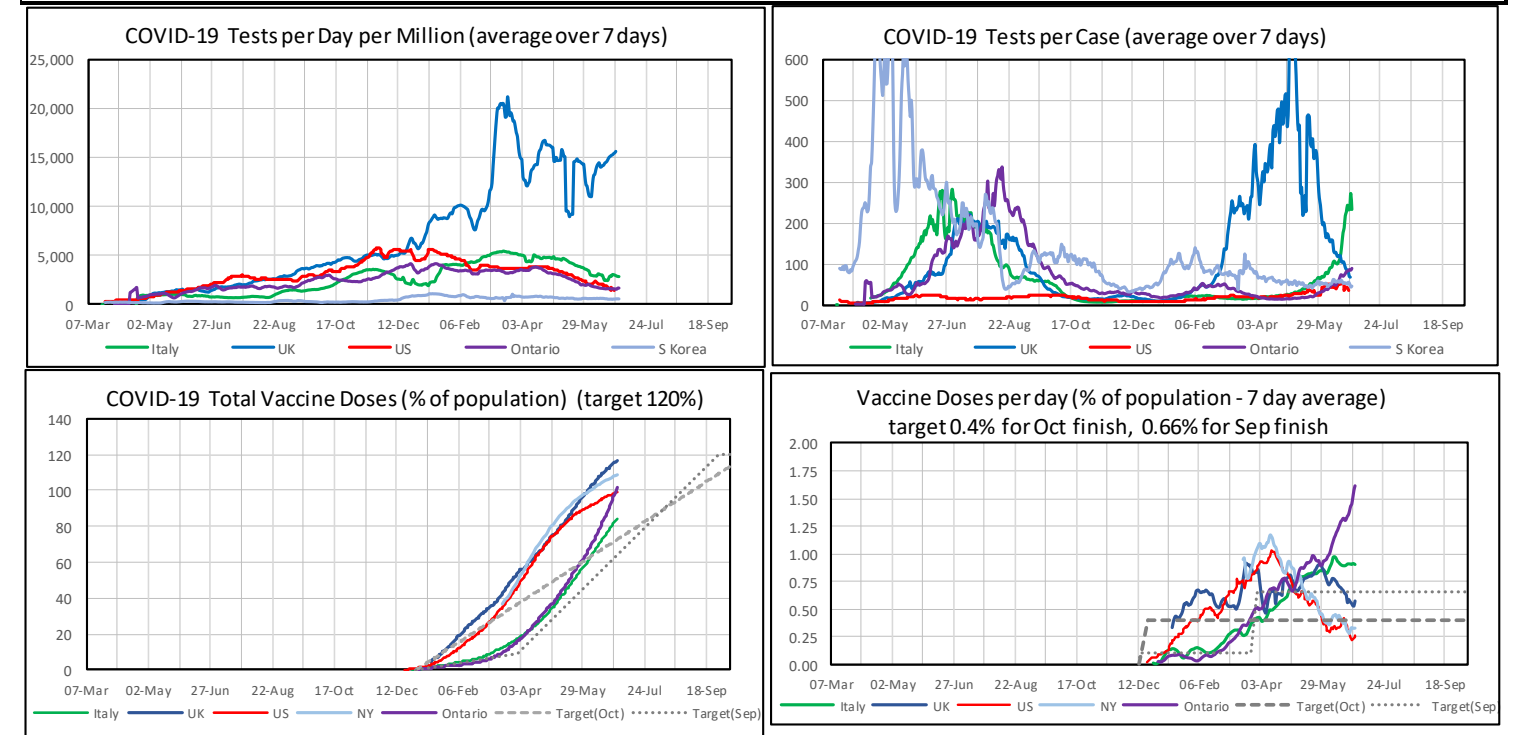
So how screwed up can this be. Bunches of people want to cancel all the Canada Day celebrations. Another bunch are rabid anti vaxxers who want no part of the success we're just starting to attain. In addition to accounting for the majority of the ICU and hospital cases, threatening the well being of health care workers who have been at this for over a year, and becoming a major cause of virus transmission, they are tearing apart families. Someone asked me to be more optimistic. Its hard when you see long relationships fall apart because of anti vaxxer lunacy. I know – you're supposed to be nice and see their point of view and try to understand. Understand this – they're nut cases falling for nonsense promulgated by people with motives far more sinister than you want to believe. That's the conspiracy theory you should be worrying about. I've seen and known more people affected by anti vaxx idiocy than I have people who have had covid. It should be troubling that people are willing to believe things for which there is zero evidence while a pandemic rages around them.

Here's some positive stuff – our vaccination rate is hitting record after record. We've surpassed the US and we should be ahead of the UK within two weeks. We'll need all the help we can get because the delta variant is relentless. The UK has extended their lockdown, Australia has recently re-imposed preventative measures and more countries are seeing surges related to the delta variant. As the UK has shown, even with a high degree of inoculation, this variant can take advantage of any relaxation of vigilance. We have not relaxed things as much as other jurisdictions. When we do later this month, if the relief and frustration of months of lockdown leads to abandoning simple preventative measures, we may face a nasty surprise in August and September.

Take care of yourselves and don't endanger others.

COVID-19 Summary Data										
	Tests per Million	Tests per Day		Tests per Reported Case		Cases per Million		Deaths per Million		Deaths Per Case
	Total to Date	Average over Last 7 days		Total	Last 7 days	Total to date	Average per day Last 7 days	Total to date	Average per day Last 7 days	Total to date (%)
South Korea	203,784	26,567	519	67	44	3,049	11.4	39	0.032	1.3%
Italy	1,176,011	172,797	2,854	17	233	70,341	12	2,106	0.5	3.0%
UK	3,098,261	1,038,886	15,636	44	67	71,867	253	1,928	0.3	2.7%
US	1,416,728	486,921	1,480	14	37	104,926	43	1,884	0.9	1.8%
Ontario	1,094,666	24,123	1,656	29	88	37,399	18	629	0.7	1.7%

South Korea and Canada report people tested. The others report total tests. Total tests can be 10-50% higher than people tested



Vaccination charts assume half the people require 2 shots and half require 1 shot, so 1.5 doses per person on average.  
 Assume 80% of population needs vaccination for it to be effective, 80% of 1.5 = 1.2 doses per person on average, so total doses = 120% of population.  
 Assume vaccination program completed in October - 300 days from January, so 1.2 / 300 or 0.004 doses per day, or dosing rate = 0.4% of population per day  
 To start on Apr 1 and finish by Sep 30 (180 days), dosing rate = 1.2 / 180 or 0.0066 doses per day, or dosing rate = 0.66% of population per day