



CURRENT NEWS ON ECOLOGICAL WELLNESS AND GLOBAL HEALTH

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Hi, I just read about a great cartoon in a Dogwood email. It shows a group of dinosaurs looking up at an asteroid headed to Earth, on a collision course to destroy them all, and one of the dinosaurs says “Oh no! The economy!” Well, that kind of sums things up these days while we in Ontario and some other parts of Canada get a ‘second wave’ of COVID-19 cases, with about 2/3 of them in persons under 40 years of age. Just like an asteroid or a waterfall (like say Niagara Falls, see ENDSHOTS) the pandemic has persistence and projection, and seems highly predictable, Whether we like it or not, it does just keep coming, sickening and killing millions around the world. What will it take to get it under control and get our economies onto a good path?

To me, one of the main control components is leadership, and the trust we have in it. Last night we saw our Canadian prime minister on TV talking about it and we hear daily from the U.S. president; wow, what a contrast. In the past we trusted the Americans to work towards such disease mitigation, wherever it was epidemic, and also to uphold human rights and democratic principles. Sadly, though, not anymore. For all their foibles and errors of judgement in the past the U.S. government was there at the table with determination defending those principles. All gone as in plain evidence by President’s Trump’s recorded speech to the UN General Assembly a few days ago. That ‘dear’ leader’s affects on the pandemic, human rights, democracy, climate, carbon emissions, biodiversity and the environment are appalling, truly an insult to the whole world. After all, isn’t science, both its philosophy, methods and outcomes a global treasure, one of the greatest ever human achievements? I believe so. Science is certainly not a panacea nor the answer to all things, but with issues of public health, medicine, engineering and the environment, it must be respected and taken into full consideration for any kind of progress to happen, let alone dealing with an emergency. Why anyone would disdain science these days is hard to understand.

In today's **Planetary Health Weekly** (#39 of 2020) and the first of an increasingly happening Autumn, you'll read lots about science and why it's so important to be taken seriously along with many other legitimate socio-political considerations. But, like the water over Niagara Falls (or that asteroid), the climate will keep changing, day after day, year after year, and to our peril for sure if we don't act strongly now on slowing down that change. In this issue you'll read:

- Big oil is planning to flood Africa with plastic,
- Coronavirus Updates, including
 - Nicaragua's food sovereignty approach to feeding everyone,
 - Children's ability to read emotions impacted by masks,
 - Failures to protect health and essential workers,
 - Demographic perspectives on the mortality of COVID-19 and other epidemics,
 - A narrative-flipping history in a pandemic with views from Latin America,
 - How the cult of selfishness is killing America,
 - How the pandemic defeated America, and
 - Paul Theroux recalls a fear-filled lockdown (in Uganda), THEN
- How religious and spiritual beliefs are a barrier to eye care,
- The climate impact of eating meat and dairy,
- Last year saw the most student suicides in India in 25 years,
- Amazon expert killed by arrow from uncontacted group,
- Are Canadians now wasting less food? and Changing food habits in the U.K.,
- The coming new energy order and the end of the oil age,
- The human cancer in the Covid-19 era,
- Digital finance for a fairer post-pandemic world,
- USAID unveils its Indigenous strategy,
- A quote on the meaning of the word 'pandemic',
- Communications media group and website - Science Vs,
- Scientists develop lab grown breastmilk,
- U.S. government rolls back limits on power plants toxic waste,
- Navy war games and warships put our oceans and health in peril,
- New book "Vaccinated: One Man's Quest to Defeat the World's Deadliest Diseases by Paul Offit,
- How student unions are helping campus life go digital and How university staff and students are filling welfare gaps, and finally
- ENDSHOTS of Niagara Falls with today's Covid-19 stats in charts.

Please keep scrolling.

Best, david



Big Oil Is In Trouble. Its Plan: Flood Africa With Plastic



Credit: Khadija M. Farah for The New

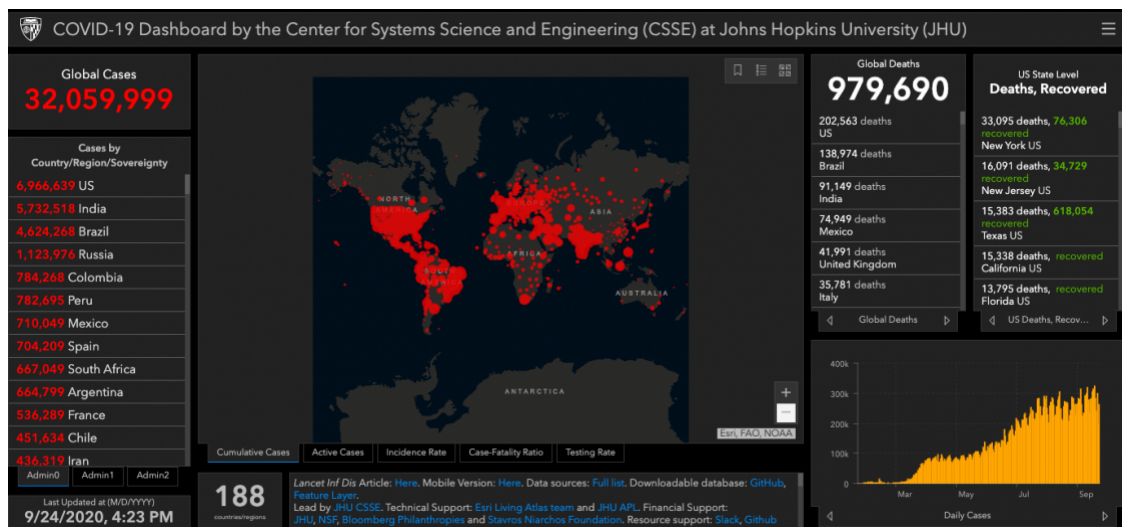
York Times

Confronting a climate crisis that threatens the fossil fuel industry, oil companies are racing to make more plastic. But they face two problems: Many markets are already awash with plastic, and few countries are willing to be dumping grounds

for the world's plastic waste. The industry thinks it has found a solution to both problems in Africa. According to documents reviewed by *The New York Times*, an industry group representing the world's largest chemical makers and fossil fuel companies is lobbying to influence United States trade negotiations with Kenya, one of Africa's biggest economies, to reverse its strict limits on plastics — including a tough plastic-bag ban. It is also pressing for Kenya to continue importing foreign plastic garbage, a practice it has pledged to limit.

In 2019, American exporters shipped more than 1 billion pounds of plastic waste to 96 countries including Kenya, ostensibly to be recycled, according to trade statistics. But much of the waste, often containing the hardest-to-recycle plastics, instead [ends up in rivers and oceans](#). And after China [closed its ports to most plastic trash in 2018](#), exporters have been looking for new dumping grounds. Exports to Africa more than quadrupled in 2019 from a year earlier. [See more at New York Times](#)

SARS-CoV-2 & COVID-19 UPDATES



Globally, in the last week, 2+ million new cases for a total now of more than 32 million; and 36,701 new deaths (See more stats and charts in ENDSHOTS at the end of this newsletter.)

Feeding The People In Times Of Pandemic: The Food Sovereignty Approach In Nicaragua



Credit: Council on Hemispheric Affairs

An array of UN agencies is predicting a global hunger pandemic triggered by COVID-19 lockdowns, with the head of the World Food Program stating that there is “a real danger that more people could potentially die from the economic impact of COVID-19 than from the virus itself.”^[1] At least 10 million more Latin Americans are expected to join the 3.4 million who were already experiencing chronic food insecurity.^[2] These devastating effects will be long-term, as each percentage point drop in global GDP is expected to cause 0.7 million more children to be stunted from undernutrition.^[3] There are clear signs that the food shortages have already arrived, as flags indicating hunger are spotted outside homes from Colombia to the Northern Triangle of Central America,^[4] while violently repressed hunger protests have occurred in places such as Honduras^[5] and Chile.^[6] As a street vendor in El Salvador put it, “If the virus doesn’t kill us, hunger will.”^[7]

But in the second poorest country in the Western Hemisphere, there are no hunger flags flying. The market stalls are stocked, customers are buying, and prices are stable. Nicaraguan small farmers produce almost all the food the nation consumes, and have some left over for export. We will examine how this is possible.

MORE COVID-19 STORIES:

At Brookings: [Are You Happy Or Sad? How Wearing Face Masks Can Impact Children’s Ability To Read Emotions](#)

At Amnesty: [Exposed, Silenced, Attacked: Failures to Protect Health and Essential Workers During the COVID-19 Pandemic](#)

At PNAS: [Demographic Perspectives On The Mortality Of COVID-19 And Other Epidemics](#)

At Wiley: [How To Have Narrative-flipping History In A Pandemic: Views Of/From Latin America](#)

At NY Times: [The Cult of Selfishness Is Killing America](#)

At The Atlantic: [How the Pandemic Defeated America A Virus Has Brought The World's Most Powerful Country To Its Knees.](#)

At NY Times: [Paul Theroux Recalls a Fear-Filled Lockdown](#)

Curses And Cataracts: How Religious and Spiritual Beliefs Are A Barrier To Eye Care



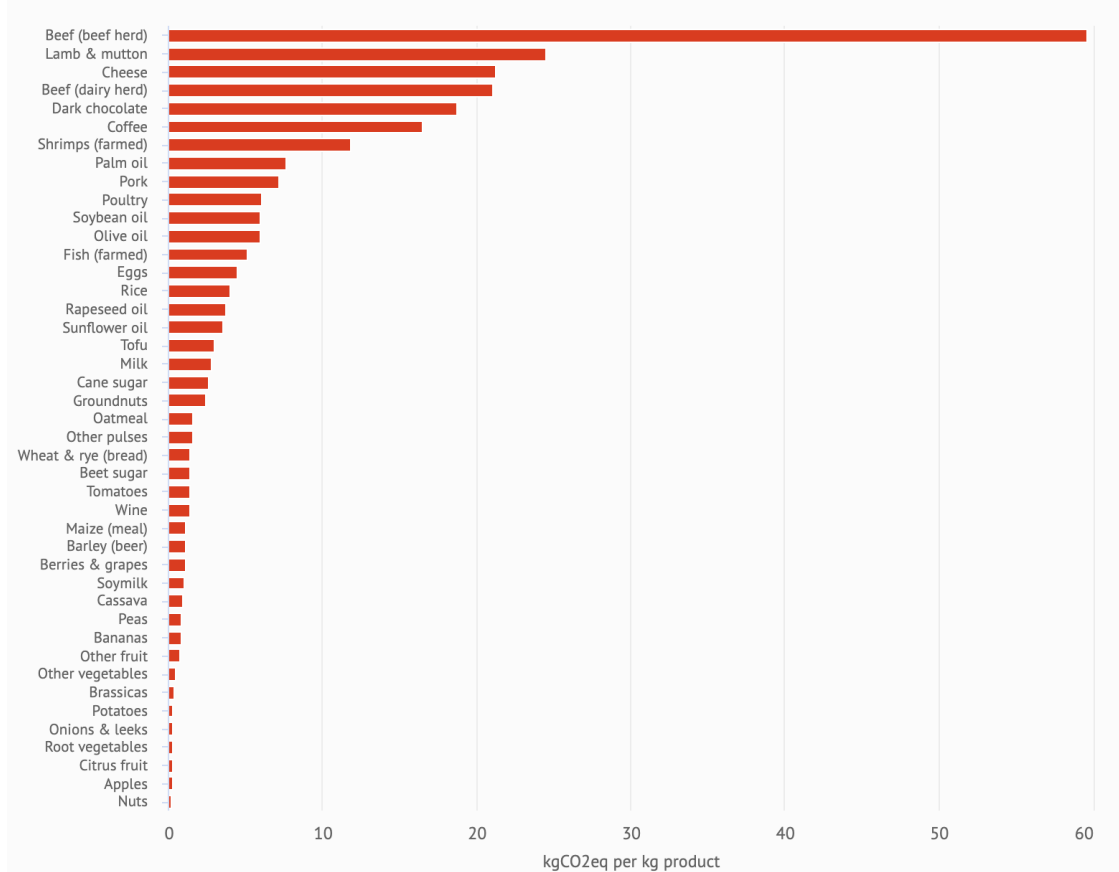
Credit: [Sasipriya M Karumanchi / Community Eye Health](#) / [CC BY-NC](#)

Many years ago, Elie Bagbila — Burkina Faso country director at disability and development organization [Light for the World](#) — came across an elderly man who had cataracts in both eyes, leaving him completely blind. Despite Bagbila and his colleagues' many attempts to offer him restorative surgery, the man repeatedly refused because the local charlatan — a person who falsely claims to have certain knowledge or abilities — wouldn't sanction it. Two years later, the man died having never regained his sight. This is not a unique case. Various religious and spiritual beliefs are preventing people in many countries from seeking eye health services, say sector professionals. "As vision is very important and crucial in people's lives, community members and eye patients go through religion and spirituality to reassure themselves and get protection," Bagbila said, adding that "religion and spirituality are the heart of human existence." [Read More at Devex](#)

What Is The Climate Impact Of Eating

Meat And Dairy?

Animal-based foods tend to have a larger carbon footprint



Credit: Data source: Poore & Nemecek (2018). Chart by Carbon Brief using Highcharts.

Food production accounts for [one-quarter](#) of the world's greenhouse gas emissions and takes up half of the planet's habitable surface. A taste for meat has had a particular impact on land. The mass of animals raised for slaughter on Earth now outweighs wildlife by a factor of [15-to-1](#). For example, for every person on the planet, there are approximately [three chickens](#).

Meat and dairy specifically accounts for around [14.5%](#) of global greenhouse gas emissions, according to the UN's Food and Agricultural Organization ([FAO](#)). If the world is to meet its target of limiting global warming to "[well below](#)" 2C, some degree of diet shift will be necessary, [scientists say](#). If it is to strive for the most optimistic target of keeping warming to 1.5C, changes to diet may be even more crucial. [Read More at Carbon Brief](#)

One Every Hour: At 10,335, Last Year Saw Most Student Suicides In India In 25 Years



Credit: [TODD KOMINIAK](#)

Between January 1, 1995 and December 31, 2019, India lost more than 1.7 lakh students to suicide. Of these, nearly 52% were reported in the past decade, while the remaining 85,824 were reported between 1995 and 2008, according to the National Crime Records Bureau (NCRB). In 2019, at least one student died by suicide every hour in India. The year recorded the highest number of student suicides, 10,335, in the past 25 years for which data is available. Between January 1, 1995 and December 31, 2019, India lost more than 170,000 students to suicide. Of these, nearly 52% were reported in the past decade, while the remaining 85,824 were reported between 1995 and 2008, according to the [National Crime Records Bureau](#) (NCRB). According to both sociologists and psychologists depression, mental health issues and addiction to drugs were the most common reasons. [Read More at Economic Times](#)

Expert On Amazon Tribes Killed By Arrow From Uncontacted Group



Credit: Ueslei Marcelino/Reuters

A Brazilian government official and expert on isolated Amazon tribes was killed by an arrow as he approached an indigenous group he was seeking to shield. Rieli Franciscato, 56, spent his career in the government's indigenous affairs agency, Funai, working to set up reservations to protect uncontacted tribes. As he moved close to a hitherto uncontacted indigenous group, he was hit by an arrow above the heart in the forest near the Uru Eu Wau Wau reservation in the western Brazilian state of Rondonia, near the border with Bolivia. "He cried out, pulled the arrow from his chest, ran 50 metres and collapsed, lifeless," a policeman who accompanied the expedition said in an audio recording posted on social media. Kanindé, an NGO that Franciscato helped found in the 1980s, said the indigenous group had no ability to distinguish between friend or foe from the outside world. [Read More at The Guardian](#)

GOOD NEWS

COVID-19 Changed How Canadians Eat. But Are We Wasting Less Food?



Credit: Photo provided by Tammara Soma.

The average Canadian wasted two kilograms of food a week before the pandemic. Not anymore. That's according to a [survey](#) released earlier this month by [Love Food Hate Waste](#), an international campaign working to reduce household food waste, which found Canadians are wasting less food since the pandemic started. "Consumers are really motivated right now to reduce their food waste, and see food waste as a national issue," Joanne Gauci, campaign manager for Love Food Hate Waste and a senior policy adviser for Metro Vancouver, said.

About [35.5 billion kilograms](#) of food is wasted each year in Canada. It's a staggering volume, enough to generate about 56.5 million tonnes of carbon dioxide equivalents, or roughly a year's worth of emissions for 12 million cars. Of that loss, about [14%](#) is generated by consumers — and over half of it could have been eaten. [Read More at National Observer](#)

See Also at WRAP: [Citizens And Food During Lockdown In The U.K.](#)

MORE GOOD NEWS

The New Energy Order - Is It The End Of The Oil Age?

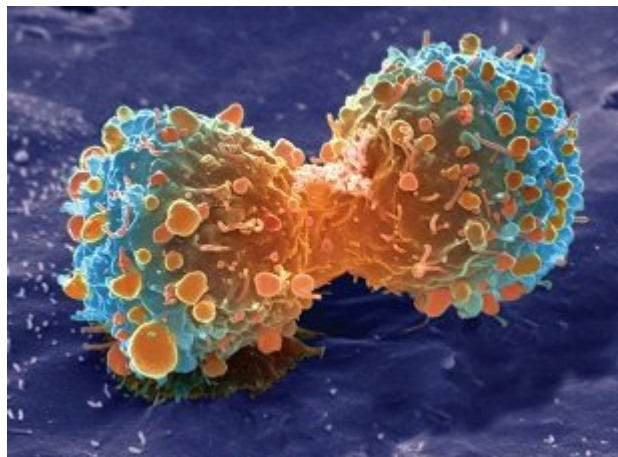


Oil fueled the 20th century—its cars, its wars, its economy and its geopolitics. Now the world is in the midst of an energy shock that is speeding up the shift to a new order. As Covid-19 struck the global economy earlier this year, demand for oil dropped by more than a fifth and prices collapsed. Since then there has been a jittery recovery, but a return to the old world is unlikely. Fossil-fuel producers are being forced to confront their vulnerabilities. ExxonMobil has been ejected from the Dow Jones Industrial Average, having been a member since 1928. Petrostates such as Saudi Arabia need an oil price of \$70-80 a barrel to balance their budgets. Today it is scraping along at just \$40. [Read More at Economist](#)

See Also at National Observer: [Weak Oil Demand Forecasts Leave Economists Wondering if Canadian Trans Mountain Pipeline Makes Sense](#)

OPINION

The Human Cancer In The Covid-19 Era by Stephen Bezruchka



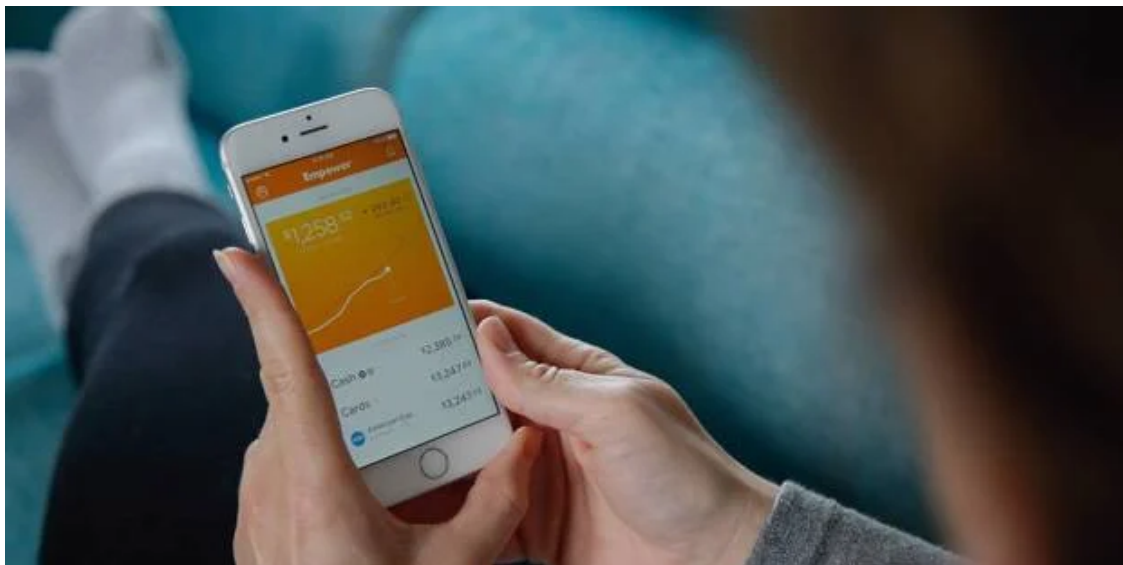
Credit: WIKIMEDIA, NIH

The Covidian Disaster is forcing our species to come to grips with a stark choice. We are at a critical fork in the earth's biological highway. The left fork is

labelled Survival and entails radical changes in our way of life, whereas the right fork, labelled Extinction, entails a radical change in our lives, only a much more extreme one. Every illness is there to teach you something. If you don't learn the first time there may be a few more opportunities to learn the lesson, and then, if you don't, it's over. For centuries we have been over stressing the capacity of the planet to nurture various forms of life. I plan to analyze our situation under the overarching Gaia Principle. Gaia, the Greek primordial deity, represents the personification of the Earth. She is the ancestral mother of all life, a living organism. Gaia posits that all parts of the earth interact with one another and their surroundings to form a complex synergistic system which is itself alive. We may be witnessing the revenge of Gaia today. Let's begin with the current crisis. How did we come to the current precarious existence we face under the horns of the SARS-CoV-2 virus which produces the disease COVID-19? There is much we still don't know about this illness, but the lessons we must learn are clear. Why did this happen and what must be done now? Read More at [Google Drive](#)

SPOTLIGHT ON POLICY

Digital Finance For A Fairer Post-Pandemic World



Credit: Jaap Arriens/NurPhoto via Getty

Image Digitalization provides a historic opportunity to reset private and public finance in order to help achieve the United Nations Sustainable Development Goals. And the COVID-19 crisis is the ideal moment to seize it. Today's unprecedented COVID-19 crisis has prompted billions of people to work, socialize and consume digitally. This shift creates a historic opportunity to unlock the potential of digitalization to finance more inclusive, sustainable development. [Read More at Project-syndicate](#)

SPOTLIGHT ON INDIGENOUS WELLNESS

As USAID Unveils Its Indigenous Strategy, it Has A Lot To Learn From Australia's DFAT



Credit: i2i Development Global via

Facebook

Australian Indigenous development experts have welcomed the U.S. Agency for International Development's new policy promoting the rights of Indigenous peoples. But they have said that an inclusive aid program putting Indigenous communities in control of programs targeting their needs will require an investment in capacity building. "This is where experienced Indigenous development actors can play a valuable role — bridging the two worlds," Rod Reeve, managing director at Ninti One, told Devex. Ninti One, along with i2i Development Global, are two Indigenous-owned and operated organizations supporting Australia's aid program — and both advocate an 'Indigenous to Indigenous' approach that brings shared values, culture and history into programming. Aboriginal and Torres Strait Islander staff lead development work, engaging directly with Indigenous communities in the Pacific to support education, health, economic programs, and more. While an Indigenous to Indigenous approach is not identified in USAID's policy, the groundwork for it already exists in the Department of Foreign Affairs and Trade approach. [Read More at Devex](#)



Credit: Dina Litovsky / Redux

Quote Of The Week

"The pandemic has been both tragedy and teacher. Its very etymology offers a clue about what is at stake in the greatest challenges of the future, and what is needed to address them. *Pandemic. Pan and demos. All people.*"

By Ed Yong

From: How the Pandemic Defeated America: A virus has brought the world's most powerful country to its knees.

[Read More at the Atlantic](#)

Upcoming Events

- October 19-22, 2020 (Virtual): [Canadian Conference for Global Health: Global Health In A Changing Climate](#)
- November 9th-19th: [2020 UN Climate Change Conference](#) (UNFCCC COP26) (Glasgow, Scotland) - **Postponed until latter 2021**
- November 14th - 15th: [Results Canada's National Conference \(Virtual\)](#).

- March 12th-14th: [Consortium of Universities for Global Health Virtual Conference](#)
- June 7th-9th 2021: [Executive Course: Global Health Diplomacy](#) (University of Toronto, Canada)

FYI#1 SPOTLIGHT ON MEDIA

Science Vs



Credit: gimletmedia

Science Vs takes on fads, trends, and the opinionated mob to find out what's fact, what's not, and what's somewhere in between. Science Vs is your team of friendly fact checkers that blow up your firmly held opinions and replace them with science. Wondering whether you should drink detox teas like an insta-celeb, or believe your drunk uncle's rant about gun control? Science Vs has a podcast episode for that.

Read More and Check Out the Podcasts at Gimlet Media

FYI #2

Scientists Want To Ditch Baby Formula For Lab-Grown Breast Milk



Credit:GETTY IMAGES

LIKE MOST EXPECTANT mothers, Stephanie King had a firm idea of how she wanted the birth of her children to go. But when the time came to have her twins in July 2019, her plans started unraveling. Stanley, the first twin, was nearly born in the car park. “He came so fast that I didn’t even get to have gas and air,” says King, who lives in Herefordshire in the UK. Soon after, the heartbeat of her second twin—Sophia—dropped so dramatically that the doctors sent King for an emergency caesarean section. Both babies were fine, but King wasn’t. She hemorrhaged severely, losing five litres of blood. As if that wasn’t enough, she then developed an antibiotic-resistant infection in her womb, which later spread to her blood and turned septic. Pneumonia followed, and then her chest cavity filled with pus, requiring two further surgeries.

For mothers like King—unable to breastfeed yet still wanting to provide their babies human milk—the options are limited. Milk banks aren’t available in every country or city, and marketplaces on Facebook, Craigslist and other online platforms are poorly regulated. Fengru Lin is trying to find a way around the problem. Lin founded TurtleTree Labs, a Singapore-based startup that is attempting to grow human breast milk in a laboratory.

FYI #3

Trump Administration Rolls Back Obama-era Rule Aimed At Limiting Power Plants' Toxic Wastewater



Credit: (J. David Ake/AP)

The Trump administration just weakened a 2015 regulation that would have forced coal plants to treat wastewater with more modern, effective methods in order to curb toxic metals such as arsenic and mercury from contaminating lakes, rivers and streams near their facilities. In a statement, Environmental Protection Agency Administrator Andrew Wheeler said that the final rule's "flexible, phased-in" approach would make it easier for the coal industry to comply while also protecting the environment. Three years ago the Trump administration [delayed the Obama-era rule](#) — which the EPA had estimated would keep 1.4 billion pounds of pollutants out of U.S. waterways each year — before replacing it with a scaled-back version.

FYI #4

Navy War Games And Warships Put Our Oceans And Health In Peril



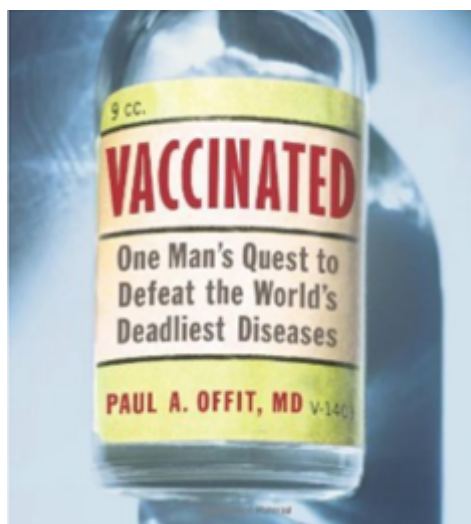
Credit:CORPORAL JAY NAPLES /Corporal Jay

Naples

Two Canadian warships, the HMCS Regina and the HMCS Winnipeg, departed at the beginning of this month for the Rim of the Pacific (RIMPAC). It is the largest naval war game in the world and takes place around the Hawaiian Islands. RIMPAC is a biennial, international maritime exercise led by the United States navy. The navies of 25 nations participate and deploy approximately 50 surface ships, 200 aircraft, five submarines and 25,000 personnel. The U.S. is trying to enhance the war-fighting readiness and interoperability of its allies. With our oceans in peril and the pandemic raging, RIMPAC should be permanently cancelled. For five decades, Hawaiians have protested this large-scale naval exercise, citing adverse environmental and social impacts, including massive whale die offs and sexual abuse of local women, among others.

FYI #5: FINAL SUMMER READING

Vaccinated: One Man's Quest to Defeat the World's Deadliest Diseases by Paul A. Offit



His goal—to prevent every disease that commonly attacked children—was unattainable. But Maurice Hilleman came close.

Maurice Hilleman is the father of modern vaccines. Chief among his accomplishments are nine vaccines that practically every child gets, rendering formerly deadly diseases—including mumps, rubella, and measles—nearly forgotten. Author Paul A. Offit's rich and lively narrative details Hilleman's research and experiences as the basis for a larger exploration of the development of vaccines, covering two hundred years of medical history and traveling across the globe in the process. The history of vaccines necessarily brings with it a cautionary message, as they have come under assault from those insisting they do more harm than good. Paul Offit clearly and compellingly rebuts these arguments, and, by demonstrating how much the work of Hilleman and others has gained for humanity, shows us how much we have to lose.

FYI#6: SPOTLIGHT ON EDUCATION

How Student Unions Are Helping Campus Life Go Digital



Credit: York Federation

of Students

The start of the fall term for college and university students in Toronto was markedly quieter this year. With campus parties out of the equation because of the COVID-19 pandemic, frosh week, student orientations, residence move-in day and other rituals of a new academic year faced cancellation. But some post-secondary student unions are mobilizing to deliver limited services in-person while promoting a virtual campus life experience. The abrupt end to classes at the beginning of the pandemic pushed groups such as the York Federation of Students (YFS) — the union representing 55,000 undergrads at the university — to remotely advocate on behalf of students through its academic support centre, and help to petition professors to correct grades, or issue them in the first place. The YFS is hosting York Fest Welcome Week online, featuring special guests and giveaways. It has also led orientations with online classes in Zumba and yoga, and planting workshops. And students are engaged.

See also at The Guardian:

['Covid is a social crisis': university staff and students filling welfare gaps](#)

[Read More at National Observer](#)

ENDSHOTS

NIAGARA FALLS AMID THE CORONAVIRUS PANDEMIC

SEPTEMBER 18, 2020



**Horseshoe Falls from Niagara Falls, Ontario - USA on the left
& Canada on the right**

Coronavirus Cases:

32,246,238[view by country](#)

Deaths:

984,177

Recovered:

23,783,826

ACTIVE CASES

7,478,235

Currently Infected Patients

7,415,088 (99%)
in Mild Condition**63,147** (1%)
Serious or Critical[Show Graph](#)

CLOSED CASES

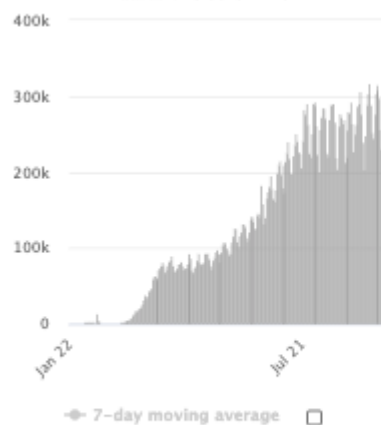
24,768,003

Cases which had an outcome:

23,783,826 (96%)
Recovered / Discharged**984,177** (4%)
Deaths[Show Graph](#)

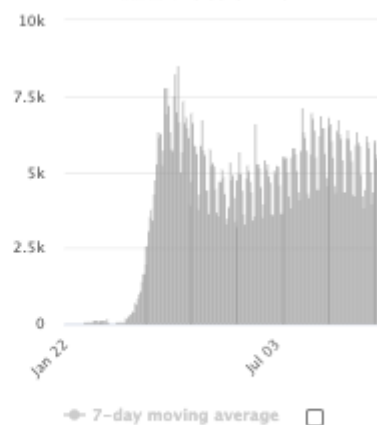
daily linear logarithmic

Daily New Cases

Cases per Day
Data as of 0:00 GMT+0

daily linear logarithmic

Daily Deaths

Deaths per Day
Data as of 0:00 GMT+0Source: <https://www.worldometers.info/coronavirus/>



**COUNTRIES RANKED BY RATE OF NEW COVID-19 CASES AND DEATHS PER
CAPITA (SEPTEMBER 17-24, 2020)**

Source: https://www.washingtonpost.com/graphics/2020/world/mapping-spread-new-coronavirus/?itid=sf_coronavirus

Case and death counts by country

Deaths

Cases

Adj. for population

Totals

Country	Reported cases per 100k	New cases in last 7 days per 100k	Change in daily cases in last 7 days
Qatar	4,393	61	▲ 5%
Panama	2,543	91	▲ 2%
Kuwait	2,421	96	▼ -14%
Peru	2,408	118	▼ -7%
Chile	2,383	55	▼ -15%
Israel	2,279	343	▲ 15%
Andorra	2,272	350	▲ 48%
Brazil	2,175	64	▼ -21%
U.S.	2,104	80	▲ 9%
Oman	1,928	83	▲ 21%
Moldova	1,815	122	▲ 18%
Armenia	1,631	53	▲ 12%
Colombia	1,558	95	▲ 15%
Montenegro	1,515	309	▲ 67%
Argentina	1,479	140	▼ -2%
Spain	1,473	144	▲ 11%
Costa Rica	1,348	143	▲ 3%
Luxembourg	1,305	89	▲ 54%
Bolivia	1,146	22	▼ -40%
South Africa	1,136	16	▲ 5%
Dominican Republic	1,022	34	▼ -5%
Saudi Arabia	968	11	▼ -14%
Belgium	931	78	▲ 48%
The Bahamas	929	113	▲ 16%
UAE	906	61	▲ 2%
Sweden	878	23	▲ 29%
Iraq	858	76	▲ 2%
Suriname	822	19	▼ -31%
North Macedonia	818	37	▲ 12%
Belarus	810	18	▲ 14%

Case and death counts by country

Deaths

Cases

Adj. for population

Totals

Country ▾	Reported deaths per 100k ▾	New deaths in last 7 days per 100k ▾	Change in daily deaths in last 7 days ▾
Peru	98	2.5	▼ -21%
Belgium	87	0.2	0%
Andorra	69	0	–
Bolivia	67	1.9	▼ -20%
Spain	66	1.3	▲ 12%
Chile	66	1.7	▼ -20%
Brazil	65	1.5	▼ -26%
Ecuador	64	0.8	▼ -37%
Britain	63	0.2	▲ 84%
U.S.	61	2.2	▲ 38%
Italy	59	0.2	▲ 59%
Mexico	59	2.2	▲ 17%
Sweden	57	0.1	0%
Panama	54	1.8	▲ 8%
Colombia	49	2.1	▼ -9%
France	47	0.6	▲ 38%
Moldova	47	2.8	▲ 33%
Netherlands	37	0.3	▲ 64%
Ireland	36	0.1	–
North Macedonia	34	1.7	0%
Argentina	32	4.3	▲ 46%
Armenia	32	0.7	0%
Iran	30	1.5	▲ 20%
South Africa	28	0.7	0%
Canada	25	0.1	▲ 39%
Bosnia	24	1.7	▼ -19%
Montenegro	24	3.5	▲ 67%
Switzerland	24	0.2	0%
Romania	24	1.4	▲ 7%
Honduras	23	1	▲ 64%



WHERE THE CASES AND DEATHS ARE SURGING (SEPTEMBER 17-24, 2020)
Source: https://www.washingtonpost.com/graphics/2020/world/mapping-spread-new-coronavirus/?itid=sf_coronavirus

Global hot spots for reported cases per capita

— 7-day rolling average of daily new reported cases per 100,000 residents



Note: Only countries with a population of more than 1 million are shown.

Global hot spots for reported deaths per capita

— 7-day rolling average of daily new deaths per 100,000 residents



Note: Only countries with a population of more than 1 million are shown.



How the U.S. compares to other regions

Deaths

Cases

Adj. for population

Totals

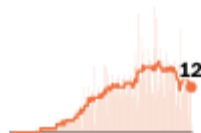
United States

+9%
rise in new
cases in past
week



South America

-12%



Central and South Asia

-4%



Europe and Russia

+14%



Middle East and North Africa

+8%



North America, excluding U.S.

+0%



Sub-Saharan Africa

+5%



East Asia and Oceania

-3%



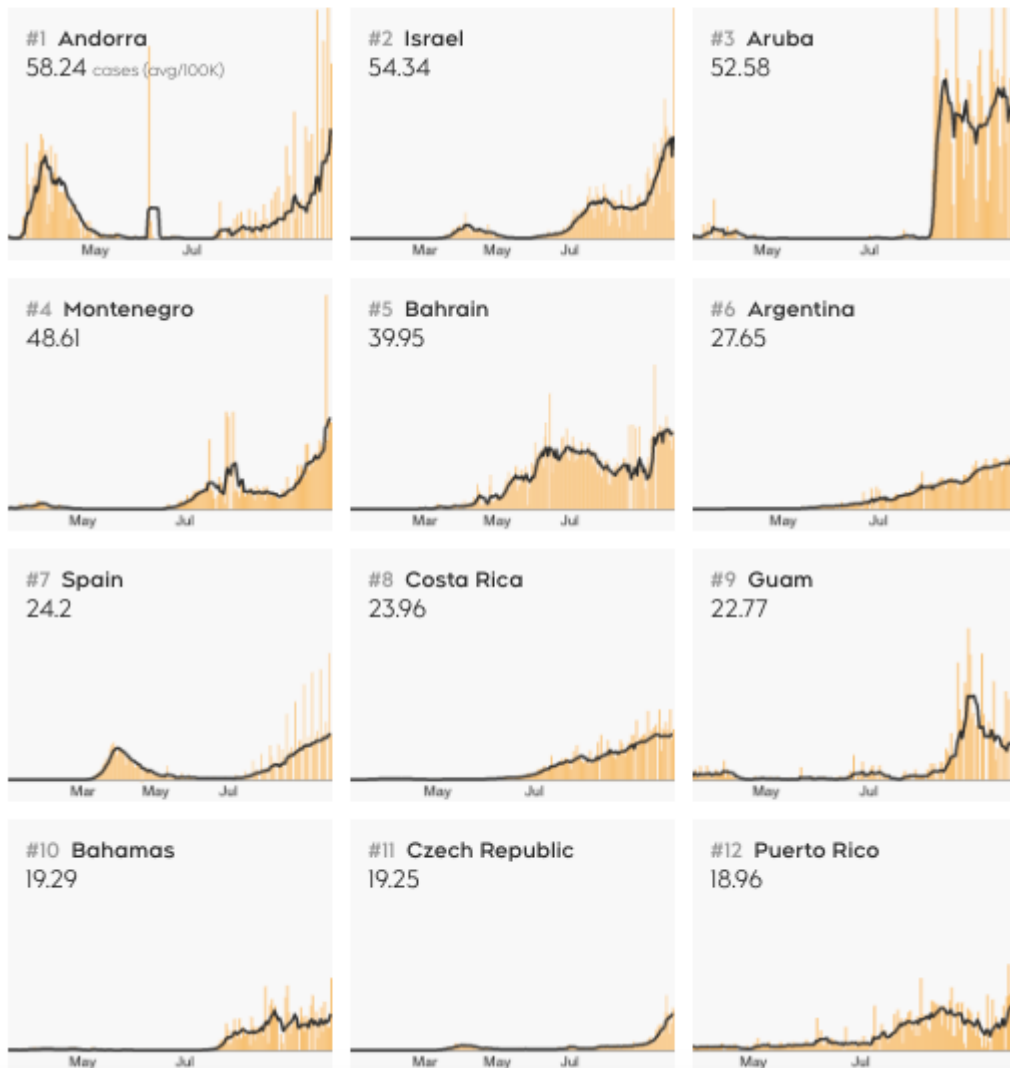


World countries, ranked by average recent cases (per 100k)

Show countries: Top 12

Show data: avg daily cases per 100K

Scale of charts: Single scale



Source: <https://www.ctvnews.ca/health/coronavirus/covid-19-curves-compare-canada-and-other-key-nations-1.4881500>



Number of coronavirus (COVID-19) cases worldwide as of September 23, 2020

Source: <https://www.statista.com/stati...>

COVID-19 cases worldwide as of September 23, 2020, by country

Published by John Effein, Sep 23, 2020

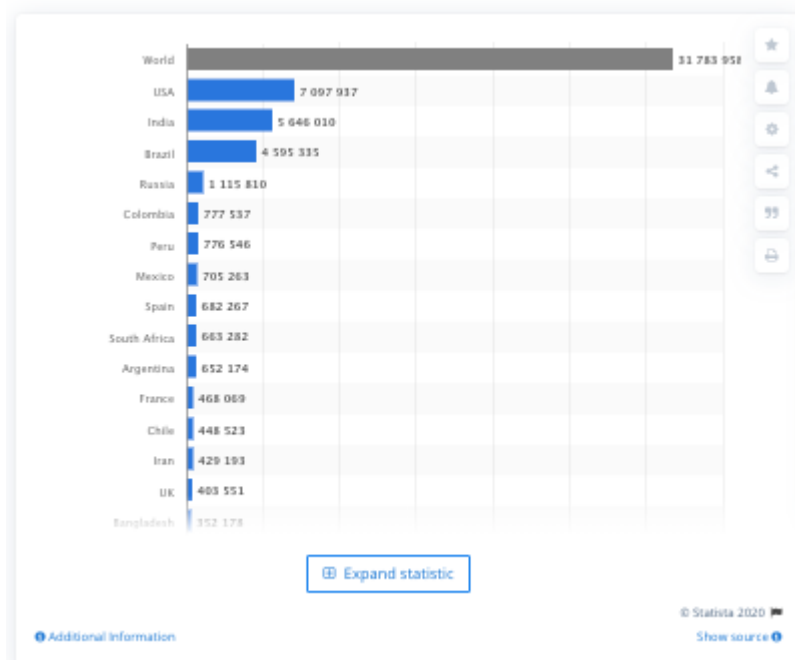
li As of September 23, 2020, the outbreak of the coronavirus disease (COVID-19) had been confirmed in over 210 countries or territories. The virus had infected over 31 million people worldwide, and the [number of deaths](#) had totaled over 975 thousand. The most severely affected countries include the U.S., Brazil, and Mexico.

COVID-19: background information

COVID-19 is a novel coronavirus that had not previously been identified in humans. The first case was detected in the Hubei province of China at the end of December 2019. The virus is highly transmissible, and thousands of new cases are being reported around the world each day. Coughing and sneezing are believed to be the most common forms of transmission, which is similar to the outbreak of the SARS coronavirus that began in 2002 and was thought to have spread via cough and sneeze droplets expelled into the air by infected persons.

Naming the coronavirus disease

Coronaviruses are a group of viruses that can be transmitted between animals and people, causing illnesses that may range from the common cold to more severe respiratory syndromes. In February 2020, the International Committee on Taxonomy of Viruses and the World Health Organization announced official names for both the virus and the disease it causes: SARS-CoV-2 and COVID-19, respectively. The name of the disease is derived from the words *corona*, *virus*, and *disease*, while the number 19 represents the year that it emerged.



Rainbow Bridge - Linking Canada and the USA

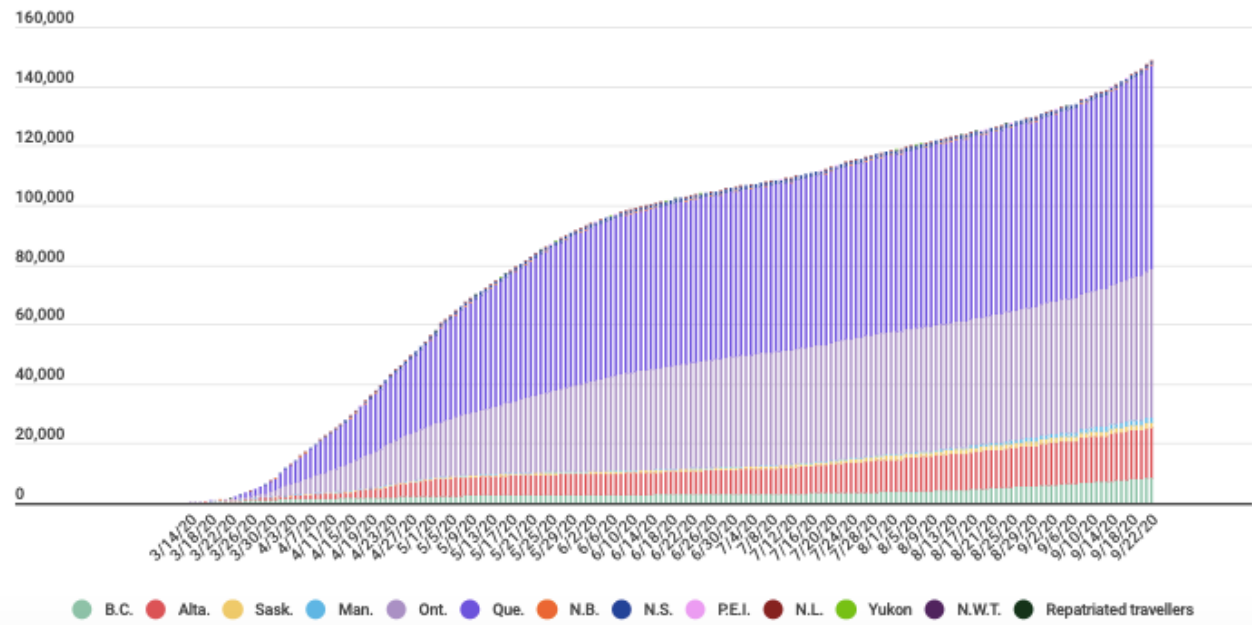
COVID-19 in Canada: Here's how our battle against the second wave is going

The Big Four provinces continue to drive Canada's disturbing rise in cases, with Quebec acknowledging that the second wave has arrived

By Patricia Treble
September 23, 2020

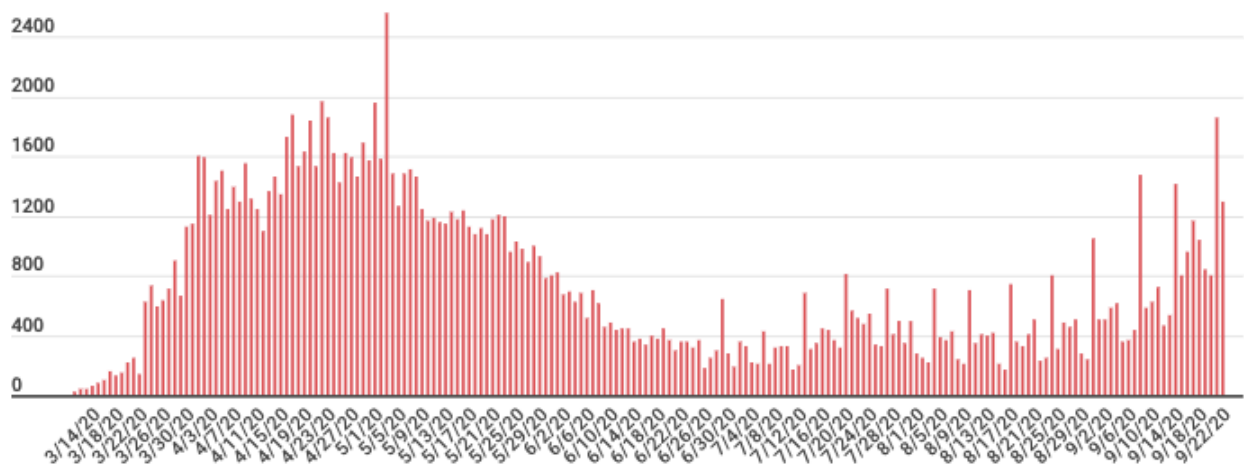
COVID-19 cases in Canada

Cumulative total, starting with day of 100th case



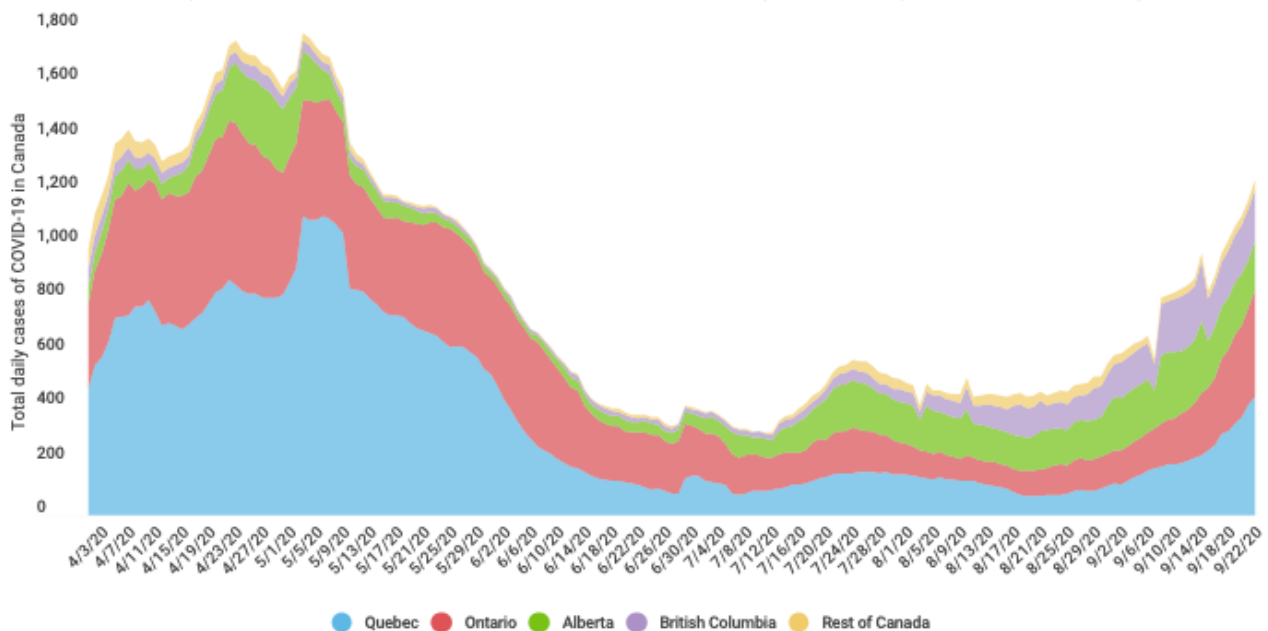
No. of new COVID-19 cases

(Daily, starting with day of 100th case)



Note: Some provinces include their weekend numbers in Monday's data announcement. Source: COVID-19 Canada Open Data Working Group

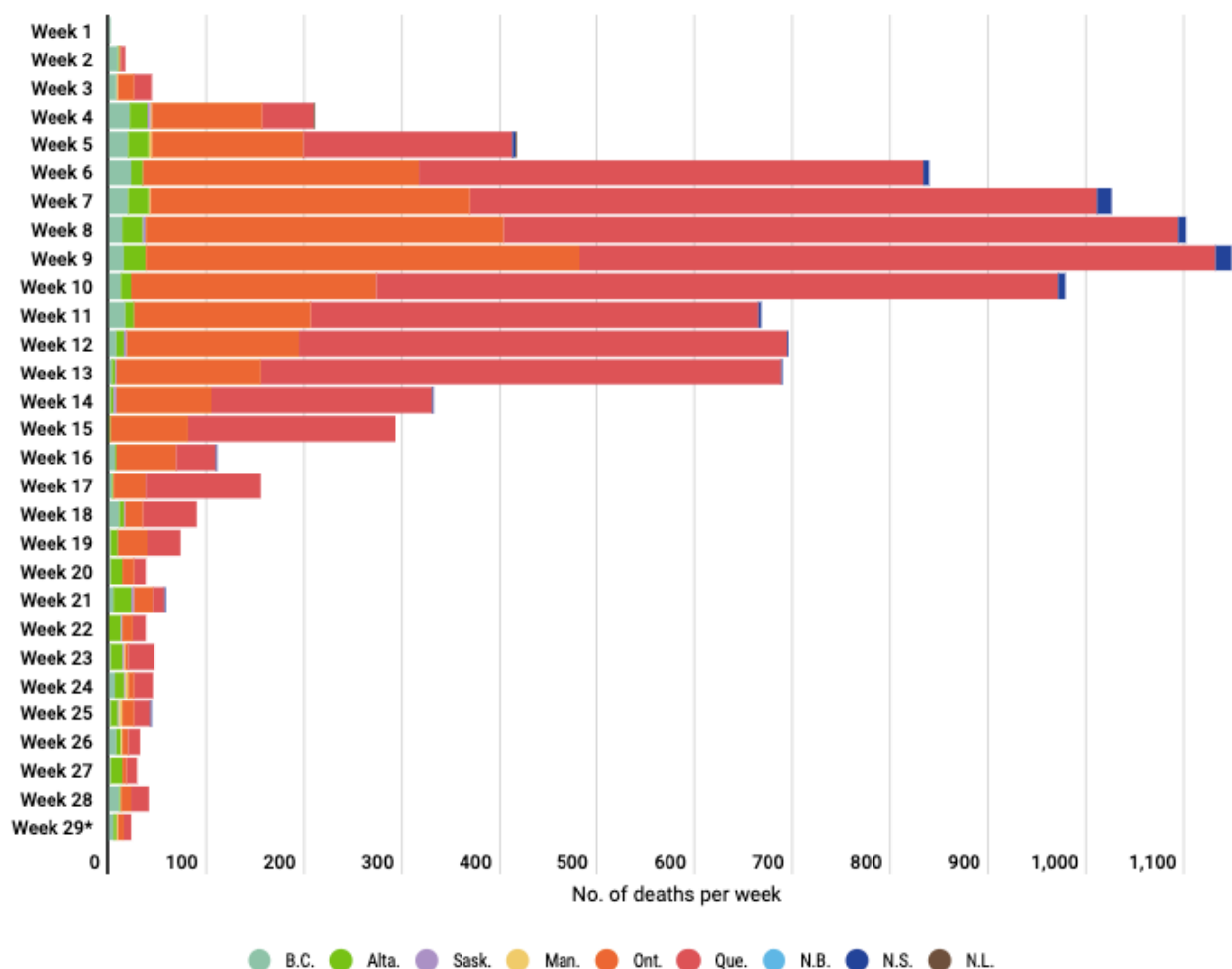
Daily cases in Canada's COVID-19 hotspots (seven-day rolling average)



Note: Some provinces include their weekend numbers in Monday's data announcement.
Source: COVID-19 Canada Open Data Working Group, Maclean's calculations

COVID-19 deaths in Canada

(starting the week of the first death on March 8)



*To date for the week. Source: COVID-19 Canada Open Data Working Group

Source of Canadian data above:

<https://www.macleans.ca/society/health/coronavirus-in-canada-these-charts-show-how-our-fight-to-flatten-the-curve-is-going/>



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