



CURRENT NEWS ON ECOLOGICAL WELLNESS AND GLOBAL HEALTH

Volume 7, Number 26

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July 1, 2021

Hi,

As I sit here, outside in my front yard at Whitefish Lake, looking up at a maple tree that was so beautiful with spring green leaves just a few weeks ago, I now see nothing, except for bare branches. The tree has completely lost all its leaves in the last four weeks. I've never seen anything like this before. But, it's due to a current 'epidemic' of a caterpillar that continually eats leaves until they're all are gone; they then fall to the ground, hoping to metamorphosize into a moth which can lay eggs and continue the cycle of life next year (see below). This made me think of two things: the first is just how this parallels so closely what we're doing to the Earth, eating our way through all its leaves - all its resources - until they're either gone or overused, rendering our beautiful home barren and unsupporting of life. How can it be that when we see the climate crisis in full bloom right in front of our eyes (witness the unheard of high temperatures and fires now in western Canada), we just keep repeating the cause, eating our way through the beauty that gives us life. How stupid can we be?! How inconsiderate of future generations.

The second thing that comes to mind: here we have a pandemic raging all over the world, yet so many still deny it outright and now refuse to get a life-saving vaccine, which not only protects the vaccinated but also the global community. That so many more understand and are taking action is heartwarming. Somehow these deniers, though, must think that we will just 'metamorphosize' ourselves out of the crisis, by doing nothing and just carrying on as usual, spinning their cocoon, and emerging to potentially spread disease and misfortune to all others not vaccinated, including themselves, and even more to the weak and marginalized and those who aren't able to be vaccinated.

This, together with the recent finding of some 1000 unmarked graves of likely mostly children, cast aside at residential schools funded by the government and run by those calling themselves Christian, makes for a somber Canada Day indeed. Today is our national holiday, but it's so hard to even imagine celebrating our country when we haven't yet come to grips with this legacy of child and family abuse, cultural genocide by any other name; with growing racism; and sharing the land with a large group of educated Canadians still fantasizing their arrogance and ignorance.

As I remain glum over all this and other failures of our country (another being its unbelievably terrible response to the climate crisis), I'll try to retain some of my usual optimism by thinking of a future still holds promise, promise for a healthy and happy life for generations to come. But my pool of such hope is quickly evaporating.

I hope that by looking through and reading the stories in today's **Planetary Health Weekly** (#26 now half-way through the year), you'll learn more of what our future needs and what it means to each of us. **Happy Canada Day.** Read on about:

- Plastic rain is the new acid rain,
- Canada is drowning in plastic waste and recycling won't save us,
- CORONAVIRUS UPDATES:
 - Pandemics and political performance,

- WHO calls for a ban on sale of live animals in food markets to combat pandemics,
 - Debunking the latest myth: it's not the jabs, it's just seasonality,
 - Comparison of Covid-19 vaccine approvals at the US Food and Drug Administration, European Medicines Agency and Health Canada,
 - My first dose was Pfizer – why am I being offered Moderna for the second?
 - UK stuck in the Covid slow lane as Europe and America dance again,
 - Scotland's Covid rate is more than double England's,
 - Sydney lockdown – Australia's biggest city heading into two-week hard lockdown to contain Delta virus outbreak, and
 - China deleted early coronavirus data that could help explain pandemic origins, THEN
- 1 in 100 global deaths is by suicide,
 - For people with disabilities Covid-19 lays bare the weaknesses in social safety nets,
 - Visualizing the climate targets of Fortune 500 companies,
 - The emerging threat of smoke impacts on health from forest fires and climate change,
 - The potential of solar and wind energy is 100 times as much as global energy demand,
 - New investor club pushes Asian electric utilities to slash emissions,
 - Climate Action's 100+ Net-zero Company Benchmark,
 - Nuclear industry's propaganda war rages on,
 - The deep sea is filled with treasure but it comes at a price,
 - 'We are treating this like a crime scene': First Nation finds 751 unmarked graves at site of Saskatchewan residential school,
 - Indian residential schools – 5300 alleged abusers located by Ottawa,
 - Quote about the continued importance of masks against disease,
 - CUCH's 2022 Global Health Conference announced,
 - Disinformation exports – how foreign anti-vaccine narratives reached West African communities,
 - Visualizing the depth of the Great Lakes,
 - New dinosaur species discovered in Australia, one of world's biggest,
 - Health inequalities in Canada (short video and new report),
 - New book: "Neglected No More: The Urgent Need to Improve the Lives of Canada's Elders in the Wake of a Pandemic" by André Picard,
 - Making connections that matter – critical thinking in theory and practice, and
 - ENDSHOTS of finding beauty amid destruction at Whitefish Lake, Ontario amid Coronavirus stats and charts from Canada and around the world.

Please do keep reading. Best, david

David Zakus, Editor and Publisher



**A Majestic Maple Tree Stripped Naked by Gypsy Moth Caterpillars
Shoreline Whitefish Lake, Ontario
June 29, 2021**



Same Maple Tree, Four Weeks Earlier, May 30, 2021

Plastic Rain Is the New Acid Rain

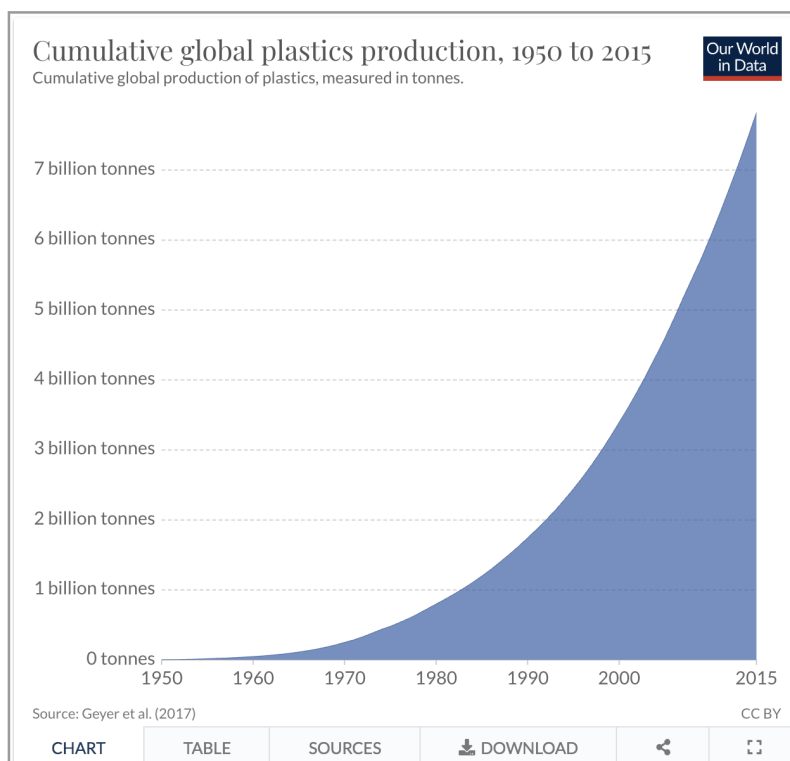


Credit: GETTY IMAGES

HOOF IT THROUGH the national parks of the western United States—Joshua Tree, the Grand Canyon, Bryce Canyon—and breathe deep the pristine air. These are unspoiled lands, collectively a great American conservation story. Yet an invisible menace is actually blowing through the air and falling via raindrops: Microplastic particles, tiny chunks (by [definition](#), less than 5 millimeters long) of fragmented plastic bottles and microfibers that fray from clothes, all pollutants that get caught up in Earth's atmospheric systems and deposited in the wilderness. Read more at [Wired](#)

See Also at National Observer: [Canada is drowning in plastic waste — and recycling won't save us](#)

Canadians throw away about 3.3 million tonnes of plastic each year. Only 9% is recycled. Historically farmers, environmentalists and others infuriated by roadside litter began to point fingers at the plastic industry. Recycling was the manufacturers' retort — a front that allowed them to shift responsibility for plastic waste onto consumers instead of cutting back on production and profits.



SARS-CoV-2 & COVID-19 UPDATES



Source: <https://coronavirus.jhu.edu/ma...>

Globally, the pandemic is far from over, especially in South America and Namibia, though the good news continues. Over the last week there were again about 2.5 million new cases of Covid-19 and 55,000 deaths (down very slightly); and 308 million people received a vaccine, which is amazing, though the inequality in distribution grows.

(See also ENDSHOTS at the end of this newsletter for various COVID-19 charts and stats from Canada and around the world.)

"It is the plague in seemingly all sincerity." Bob Woodward

Pandemics and Political Performance



Credit: project-syndicate

The huge variation in how countries have performed during the pandemic points to deeper underlying political and governance issues that have now come fully into view. In many countries, especially in Latin America and the Caribbean, the road ahead will be long and difficult.

The COVID-19 pandemic has created a laboratory for testing different governance systems in the face of a public-health crisis, ultimately revealing massive variance in country performance. For example, countries in East Asia (China, Taiwan, South Korea and Japan) tended to do a better job of controlling the pandemic than did many countries in the Americas and Europe. Read more at [Project-syndicate](https://project-syndicate.org)

READ MORE COVID-19 STORIES:

At Independent: [WHO Calls for Ban on Sale of Live Animals in Food Markets to Combat Pandemics](#)

At Capx: [Debunking the Latest Smiley Myth: It's Not the Jabs, It's Just 'Seasonality'](#)

At Jama Network: [Comparison of COVID-19 Vaccine Approvals at the US Food and Drug Administration, European Medicines Agency and Health Canada](#)

At Macleans: [My First Dose was Pfizer. Why am I Being Offered Moderna for the Second?](#)

At Telegraph: [UK Stuck in the Covid Slow Lane as Europe and America Dance Again](#)

At Telegraph: [Scotland's Covid Rate is More than Double England's, New Figures Reveal \(get latest\)](#)

At CNN: [Sydney lockdown - Australia's Biggest City Heading into Two-week Hard Lockdown to Contain Delta Coronavirus Outbreak](#)

At Telegraph: [China Deleted Early Coronavirus Data That Could Help Explain Pandemic Origins, Researcher Finds](#)

1 in 100 Global Deaths is by Suicide, WHO Says



Credit: Food market in Wuhan, China, in February 2021 (REUTERS)

One in one hundred deaths. That sobering number is the number of suicides around the globe each year, the World Health Organization just reported. The numbers are eye-grabbing, though in much of the world the suicide rate has fallen. The WHO said globally, suicides had fallen by 36% since 2000. However, the WHO said in the Americas region, suicide rates have increased by 17% from 2000 to 2019. Read more at [Abcaction News](#)

For People With Disabilities, COVID-19 Lays Bare the Weaknesses in Social Safety Nets



Prosthetic leg fitting at the office of Saint Lucia's National Council of and for Persons with Disabilities – the first prosthetic limb manufacturing centre in the Eastern Caribbean. Credit: Alison Kentish/IPS

People with disabilities were particularly hard hit by the social and economic impacts of efforts to control COVID-19. At the start of the pandemic, lockdowns, curfews, disruptions in transportation and a halt in tourism sent economies spiralling. In the Caribbean, people with disabilities began experiencing severe delays in public and disability assistance.

"They were relatively small amounts that a lot of people with disabilities rely on to purchase food and other essential supplies, so if this was delayed imagine the great strain and the hardship that it placed on people. It proved that if during times of crisis our social safety nets cannot function, there is a lot of work to be done," President of Saint Lucia's National Council of and for Persons with Disabilities, Merphilus James told IPS.

James, who is also the President of Disabled People's International North America and the Caribbean is also calling for a review of public assistance for people with disabilities. "Most of our members rely on these payments, which in most cases are not reflective of the current cost of living," he said, noting that the [United Nations Social Policy Brief on the Disability Inclusive Response to COVID-19](#) recommends advanced disbursement of public assistance grants, to ensure people with disabilities have time to procure food other supplies. Read more at [IPS News](#).

Visualizing the Climate Targets of Fortune 500 Companies

THE CLIMATE TARGETS

OF FORTUNE 500 COMPANIES

In 2019, the world's 500 largest companies employed **70M people** and generated **\$33T in revenues**. Given their size and influence, many of these companies have made commitments to reduce their carbon footprint.

This timeline provides a holistic view of when each company expects to achieve its stated target.

CLIMATE TARGET TYPE



CARBON NEUTRAL¹

Achieved when a company completely offsets its greenhouse gas emissions.



RENEWABLE 100% (RE100)

Achieved when a company relies on 100% renewable energy.



SCIENCE BASED TARGETS (SBT)

Emissions are reduced in line with the need to keep global warming below 2 degrees Celsius.

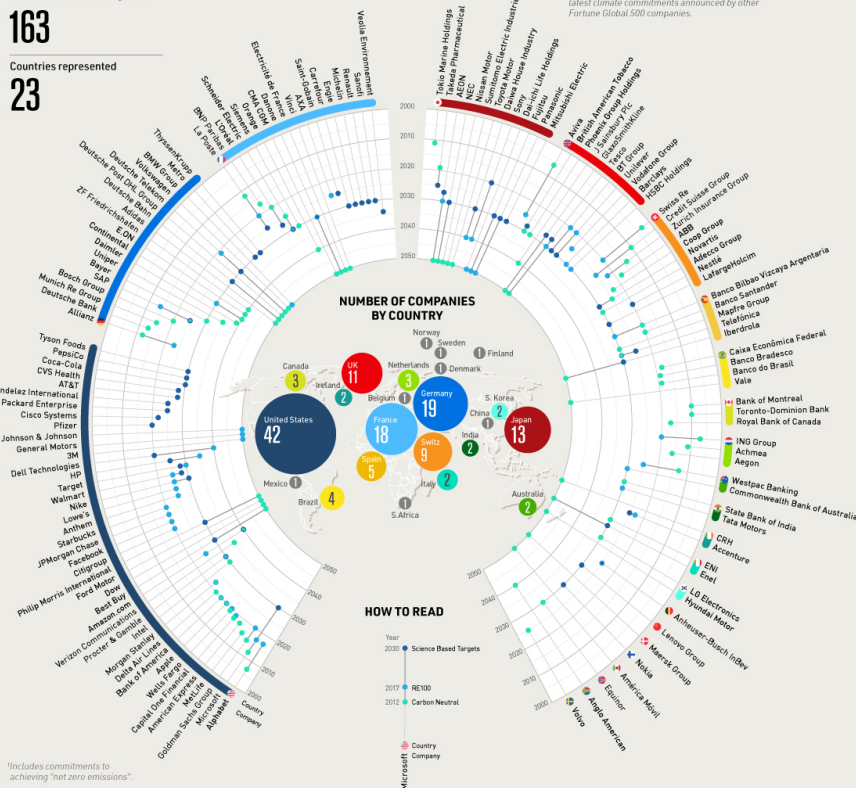
Fortune Global 500 companies with formal climate targets²:

163

Countries represented

23

Note: This data was aggregated from various sources throughout 2020, and as a result, may not include the latest climate commitments announced by other Fortune Global 500 companies.



Source: Fortune, Natural Capital Partners



COLLABORATORS: RESEARCH - WRITING: MARIUSZ KUCI | ART DIRECTION - DESIGN: JACQUES MEYER

Facebook Twitter Instagram LinkedIn

CREDIT: Ben Cawthra/London News Pictures

View the high-resolution version of this infographic by [clicking here](#)

The Fortune Global 500 is a ranking of the world's 500 largest companies by revenue. In 2019, this influential group employed **70 million** people and generated revenues of over **\$33 trillion**.

Given their size and influence, many of these companies are taking climate action quite seriously. For example, **30%** of the group have either achieved a climate goal or are publicly committed to doing so by 2030—a significant increase from just **6%** in 2016.

In this infographic, we've used data from [Natural Capital Partners](#) to provide a holistic view of when Fortune Global 500 companies plan to meet their stated climate goals. Read and See more at [Visual Capitalist](#)

The Limits of Livability – The Emerging Threat of Smoke Impacts on Health from Forest Fires and Climate Change



The Limits of Livability

The emerging threat of smoke impacts on health from forest fires and climate change

'If this is what we experience regularly, we just can't live here. This is not something we can experience regularly. There's no way to maintain the population density in the places that we live if these are the seasonal changes ahead.'⁽¹⁾

Dr Arnagretta Hunter
Cardiologist, ANU, Canberra, Australia

CLIMATE & HEALTH ALLIANCE

THE GLOBAL CLIMATE & HEALTH ALLIANCE

PC: BC Wildlife Service

Bigger, more frequent forest and bush fires are having increased and not yet well-studied health impacts on people – including through longer and more frequent exposure to fire smoke by larger populations in distant cities – according to a new report by the Global Climate and Health Alliance.

The Limits of Livability – The emerging threat of smoke impacts on health from forest fires and climate change, with case studies from Australia, Brazil and Canada, warns that worldwide, governments must act to prepare public health systems for the impacts to the public from recurring air pollution episodes from fires caused by the climate crisis, deforestation practices and poor land management. Read more at [Climate and Health Alliance](#).

GOOD NEWS

The Sky's the Limit: Solar and Wind Energy Potential is 100 Times as Much as Global Energy Demand

Share of land needed to produce all energy from solar

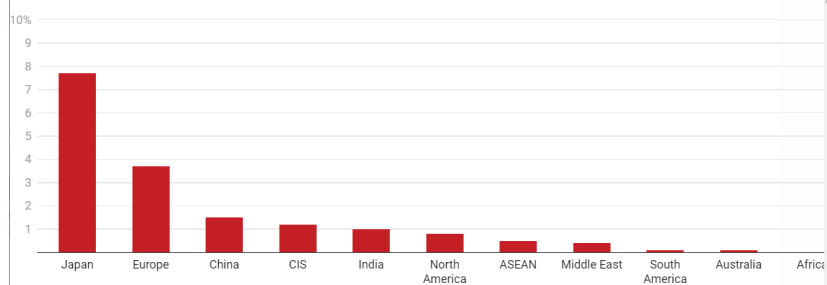


Chart: Carbon Tracker 2021 • Source: Solargis, NREL, Jacobson, BP, Carbon Tracker assumption • [Get the data](#) • Created with [Datawrapper](#)

Credit: Eco Business

Solar and wind potential is far higher than that of fossil fuels and can meet global energy demand many times over, unlocking huge benefits for society. With current technology and in a subset of available locations we can capture at least 6,700 PWh p.a. from solar and wind, which is more than 100 times global energy demand.

The collapse in renewable costs in the last three years means that half of this solar and wind technical potential now has economic potential, and by the end of the decade it will be over 90%.

The land required for solar panels alone to provide all global energy is 450,000 km², 0.3% of the global land area of 149 million km² – less than the current land footprint of fossil fuel infrastructure. This differs by country as highlighted below.

Read more at [Carbon Tracker](#)

MORE GOOD NEWS

New Investor Club Pushes Asian Electric Utilities to Slash Emissions



Credit: A coal-fired power plant. Asian utilities account for 23 per cent of the world's total emissions. Image:

Shutterstock

A new investor-led engagement programme has been launched to set Asian electric utilities on a path towards net-zero emissions by 2050. The initiative, called the Asian

Utilities Engagement Program, will work with five utility firms in its first year to lower emissions and enhance disclosure and governance of climate-related risks. It is backed by 13 institutional investors and stewardship service providers responsible for US\$8.8 trillion in assets under management or advice.

Focus companies were chosen due to their substantial greenhouse gas emissions, vast coal fleets or strategic role in curbing emissions. The five firms selected collectively emitted about as much carbon dioxide as Spain in 2019. Read more at [eco-business](#)

See Also at Climate Action 100+: [NET-ZERO COMPANY BENCHMARK which assesses the world's largest corporate greenhouse gas emitters on their progress in the transition to the net zero future.](#)

OPINION

Nuclear Industry's Propaganda War Rages On



Several governments have now acknowledged how their civil and military nuclear programmes are linked. Credit: [Steve Harvey via Unsplash](#). CC BY NC-ND 2.0

To maintain the assertion that it is still a key part of the struggle to limit the climate crisis, the global nuclear industry's propaganda war is unremitting in its attempt to avoid oblivion in the world's democracies.

At stake are thousands of well-paid power station jobs, but also a potential rise in electricity prices if funds are diverted away from cheaper options for generating power. Central to the debate is how governments can best cut fossil fuel use in time to save the world from catastrophic climate change.

There is not much middle ground. On one side are trade unions with many members in the nuclear industry, large companies with political clout and a vested interest in building the infrastructure needed, and numerous politicians, many of them in nuclear weapons states.

On the other are most climate scientists, environmental campaigners, economists, and cutting edge industries that see wind, solar and tidal power, batteries and other emerging technologies as the path to far more jobs, a cleaner future, and a possible route out of potential disaster. There are also those who fear the proliferation of nuclear weapons. Read more [at Eco-Business](#)

See Also at EcoBusiness: [Small Nuclear Power Plants No Use in Climate Crisis](#)

SPOTLIGHT ON POLICY

The Deep Sea Is Filled with Treasure, but It Comes at a Price



Credit: The New Yorker

The International Seabed Authority is headquartered in Kingston, Jamaica, in a building that looks a bit like a prison and a bit like a Holiday Inn. The I.S.A., which has been described as “chronically overlooked” and is so obscure that even many Jamaicans don’t know it exists, has jurisdiction over roughly half the globe. Under international law, countries control the waters within two hundred miles of their shores. Beyond that, the oceans and all they contain are considered “the common heritage of mankind.” This realm, which encompasses nearly a hundred million square miles of seafloor, is referred to in I.S.A.-speak simply as the Area.

Scattered across the Area are great riches. Mostly, these take the shape of lumps that resemble blackened potatoes. The lumps, known formally as polymetallic nodules, consist of layers of ore that have built up around bits of marine debris, such as ancient shark teeth. The process by which the metals accumulate is not entirely understood; however, it’s thought to be exceedingly slow. A single spud-size nugget might take some three million years to form. It has been estimated that, collectively, the nodules on the bottom of the ocean contain six times as much cobalt, three times as much nickel, and four times as much of the rare-earth metal yttrium as there is on

land. They contain six thousand times as much tellurium, a metal that's even rarer than the rare earths.

The first attempts to harvest this submerged wealth were undertaken nearly fifty years ago.

Read More at: [The New Yorker](#)

SPOTLIGHT ON INDIGENOUS WELLNESS

'We are Treating This Like a Crime Scene': First Nation Finds 751 Unmarked Graves at Site of Saskatchewan Residential School



Credit: Getty Images

With reporters from around the world turning their attention to his small community last week, Cowessess First Nation Chief Cadmus Delorme stared calmly into his computer screen and delivered a message for all to hear. Echoing the words of residential school survivors across the country, he told a virtual news conference, "We always knew that there were graves here."

"There's going to be many more stories in the future," the chief acknowledged.



For the second time in a month, ground-penetrating radar has confirmed what government and church authorities have been accused of trying to suppress for most of Canada's history. As many as 751 unmarked graves have been detected at the former site of Marieval Indian Residential School, which operated from 1898 until 1997, and was run by the Catholic. Read more at [the Star](#).

[See Also \(from 2016\) at CBC: Indian residential schools - 5,300 alleged abusers located by Ottawa](#)



Credit: Thomas Fuchs

Quote Of The Week

"I really hope that [mask wearing] becomes part of our culture and that we are more conscious of how even mild infections can potentially impact other people."

U.S. virologist Angela Rasmussen hopes that the considerate practice of wearing a face covering when you're feeling ill — already commonplace in many regions — becomes a post-pandemic habit everywhere.

Read More at Scientific American

Upcoming Events

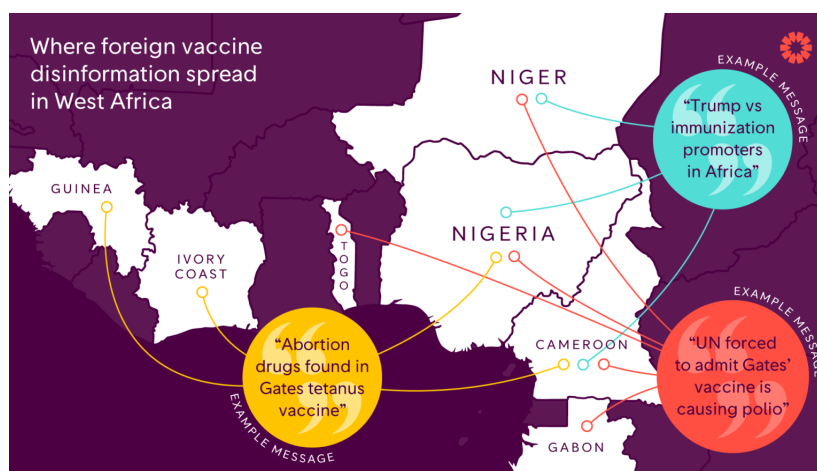
- September 16-18, 2021: [North American Refugee Health Conference \(NARHC\)](#) (Faculty of Medicine, University of Toronto).

This year's conference will be offered completely online.

- September 27 - October 1, 2021: [12th European Congress On Tropical Medicine And International Health: Global Challenges In Health, Migration And Equity](#)
- Sept. 29 – Oct. 1, 2021: [Net Zero Festival by Business Green \(London and Online\)](#)
- October 6-8, 2021: [Public Health 2021: Annual conference of the CPHA](#)
- November 1-12, 2021: [2020/2021 UN Climate Change Conference UNFCCC COP26](#) - Postponed in 2020 and now to be held November, 2021 (Glasgow, Scotland).
- November 11, 2021: [Evidenced Based Research Being Carried Out in Low and Middle Income Countries](#) ADAPT will host their second online conference by Physios in Global Health.
- April 1-3, 2022: CUGH 2022 Global Health Conference- Hybrid: [Healthy People, Healthy Planet, Social Justice](#), Los Angeles, California, April 1-3, 2022, Virtual Satellite Sessions: March 21-25, 2022; In-person Satellite Sessions: March 31, 2022

FYI#1 SPOTLIGHT ON MEDIA

Disinformation Exports: How Foreign Anti-vaccine Narratives Reached West African Communities Online



Credit: First Draft News

As the seasons change, it's natural to want to enjoy the outdoors to the fullest. The Great Lakes, a distinct geographical region sandwiched between the U.S. and Canada, provides immense opportunity for millions of tourists to do just that every year.

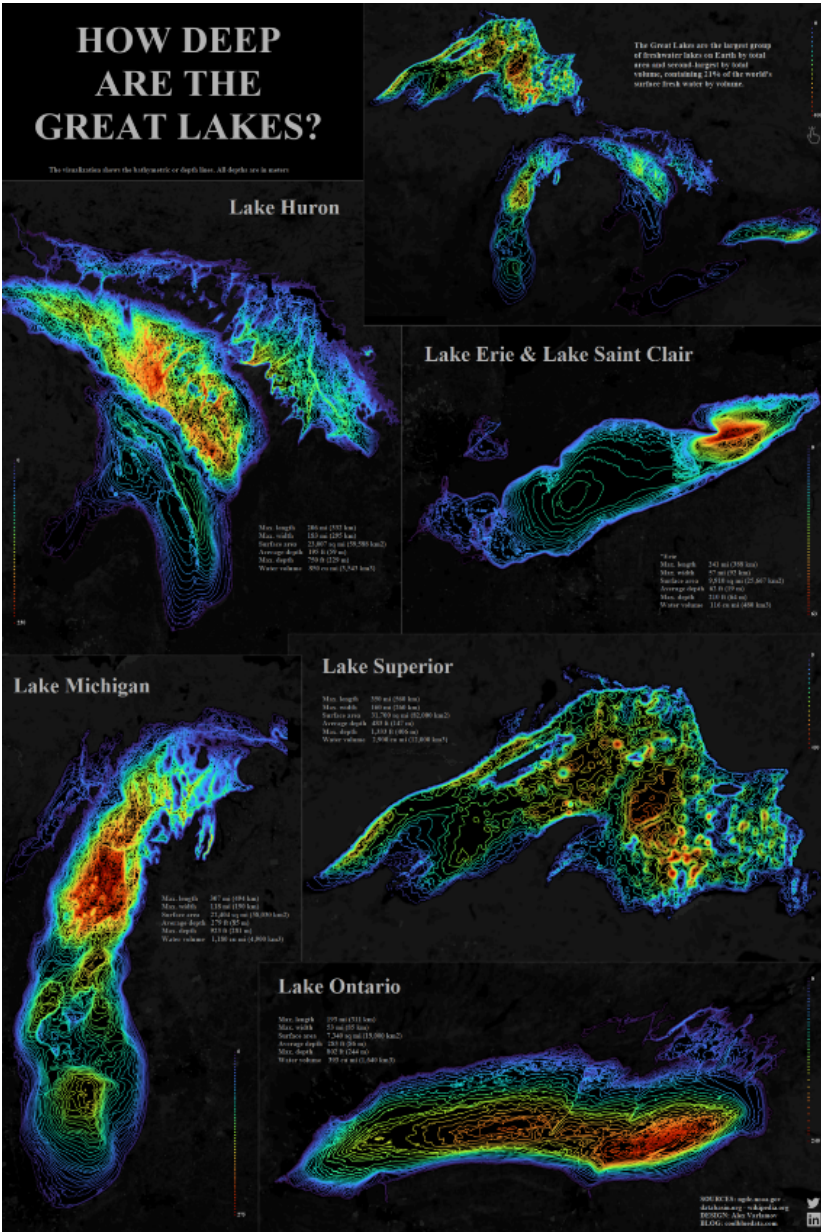
But did you know that altogether the Great Lakes contain **21%** of the world's surface freshwater by volume—or **84%** of the surface freshwater in North America?

This bathymetric visualization, created by [Alex Varlamov](#), helps put the sheer size and depth of all five of the Great Lakes into perspective.

See more at Frist Draft News

FYI #2

Visualizing the Depth of the Great Lakes



[Credit: Alex Varlamov](#)

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[Read more at Visual Capitalist](#)

FYI #3

New Dinosaur Species Discovered in Australia, One of World's Biggest



An artist's impression of *Argentinosaurs huiculensis*, believed to be one of the closest related species to the newly discovered titanosaur. (Image credit: Elena Duvernay/Stocktrek Images via Getty Images)

Scientists have confirmed the discovery of a new dinosaur species in Australia, one of the largest found in the world, more than a decade after cattle farmers first uncovered bones of the animal. The plant-eating sauropod lived in the Cretaceous period between 92 million and 96 million years ago when Australia was attached to Antarctica, according to a research paper.

[Read more at Yahoo](#)

FYI #4

Health Inequalities in Canada (3 minute video)



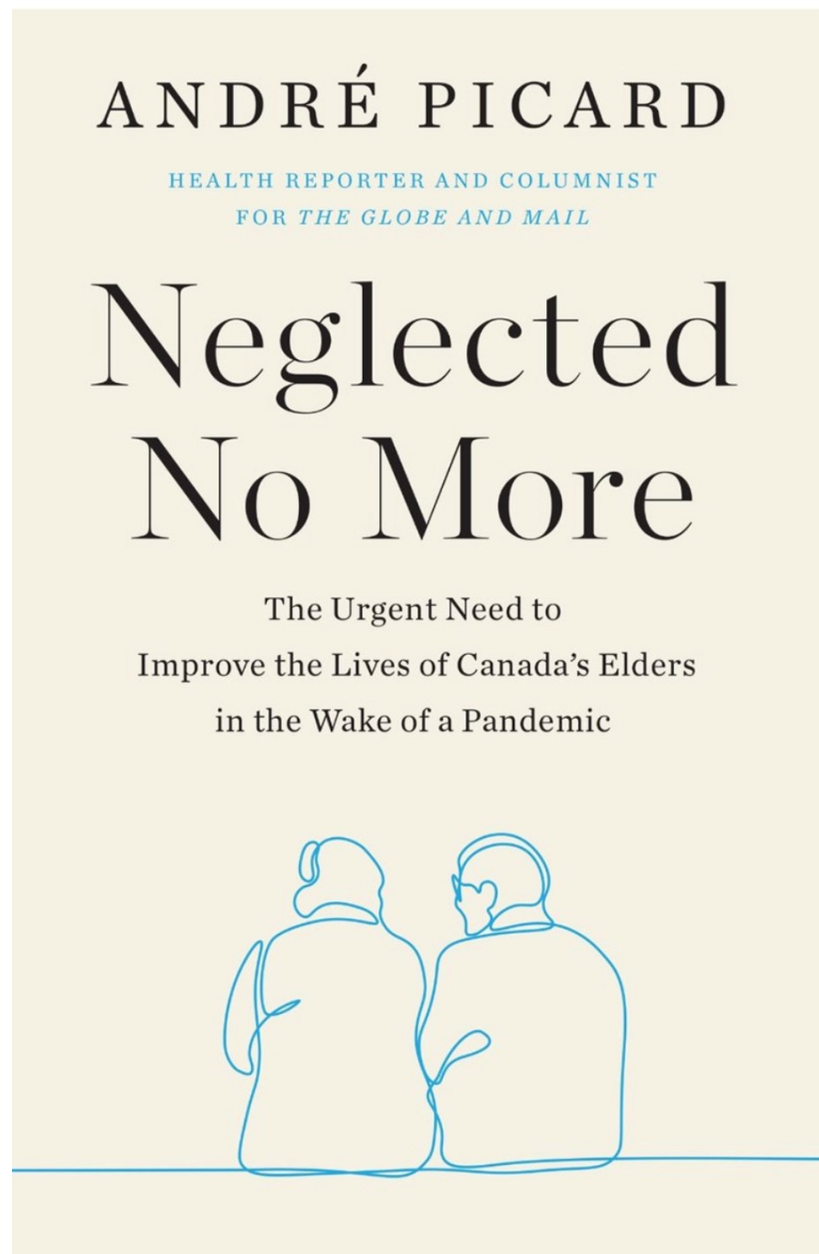
A horizontally split screen appears. The upper landscape is lush with vegetation and the outline of a city. The lower landscape has barren landscape, smoggy sky and the outline of factories. On the upper landscape a big house appears. Standing in front of it is a graduate, a worker with a hard hat, figure holding a briefcase, a person with reduced mobility and an adult with a stroller and toddler standing next to a well maintained swing set. On the lower landscape, in contrast, appears a small house and a broken swing set with people standing in front, including a person with a baby in their arm and a toddler, a person with reduced mobility and a person with hard hat.

[For the Report See: Key Health Inequalities in Canada: A National Portrait](#)

Watch More at Public Health Canada

FYI #5: 1st of JULY READING - NEW BOOK

"Neglected No More: The Urgent Need to Improve the Lives of Canada's Elders in the Wake of a Pandemic" by Andre' Picard



Credit: Book Cover

It took the coronavirus pandemic to open our eyes to the deplorable state of so many of Canada's long-term care homes: the inhumane conditions, overworked and underpaid staff and lack of oversight. In this timely new book, esteemed health reporter André Picard reveals the full extent of the crisis in eldercare, and offers an urgently needed prescription to fix a broken system.

When COVID-19 spread through seniors' residences across Canada, the impact was horrific. Along with widespread illness and a devastating death toll, the situation exposed a decades-old crisis: the shocking systemic neglect towards our elders.

Called in to provide emergency care in some of the hardest-hit facilities in Ontario and Quebec, the military issued damning reports of what they encountered. And yet, the failings that were exposed--unappetizing meals, infrequent baths, overmedication, physical abuse and inadequate personal care--have persisted for years in these institutions.

[Read More on Canada](#)

FYI#6: SPOTLIGHT ON EDUCATION

Making Connections That Matter: Critical Thinking in Theory and Practice



Credit: Association of American Colleges & Universities (AAC&U)

Critical thinking is at the heart of any liberal education. In many countries it is a regular feature of undergraduate study, interwoven into college and university syllabi, classes and programs.

Educators' interest in critical thinking is driven in part by employer priorities. AAC&U's [latest survey of employers](#) shows that they consistently rank critical thinking as a "very important" outcome for college graduates to succeed in the workforce, a finding that has remained consistent across AAC&U's research since 2006.

Critical thinking is discussed extensively in higher education research literature, especially through theories about how to define, measure and develop "higher-order" cognitive skills. However, there is a less substantial body of scholarship exploring the connection between educational practices and critical thinking research. That is, how is critical thinking being taught at colleges and universities, and how can educators use research to improve teaching practices?

[Read More at AAC&U](#)

ENDSHOTS

FINDING BEAUTY AMID DESTRUCTION AT WHITEFISH LAKE, ONTARIO

JUNE 28, 2021

Amid Latest World and Canadian COVID-19 Stats & Charts



COVID-19 CORONAVIRUS PANDEMIC

Last updated: July 01, 2021, 15:40 GMT

[Weekly Trends](#) - [Graphs](#) - [Countries](#) - [News](#)

Coronavirus Cases:

183,157,546

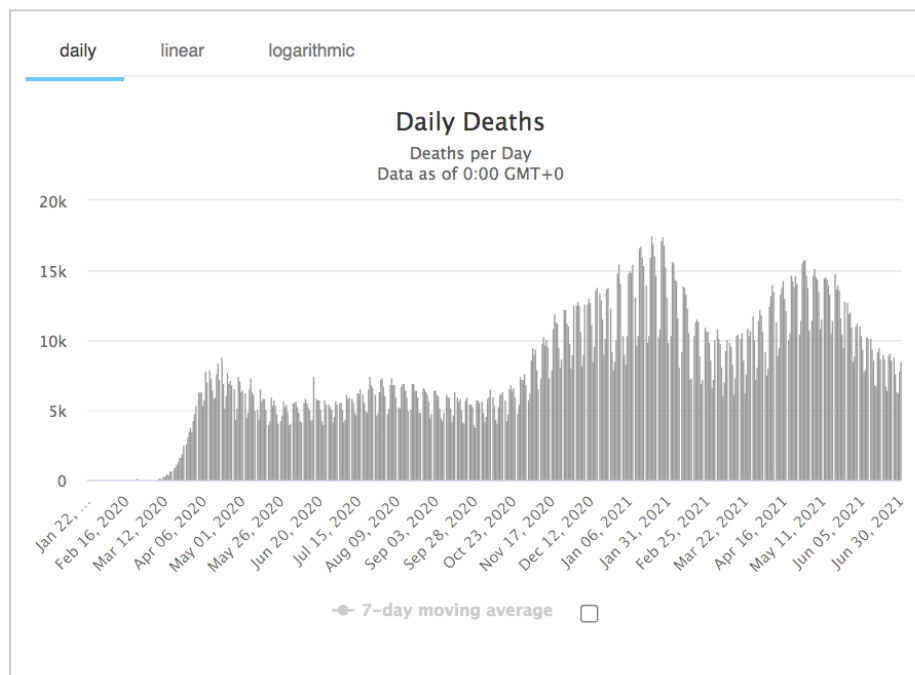
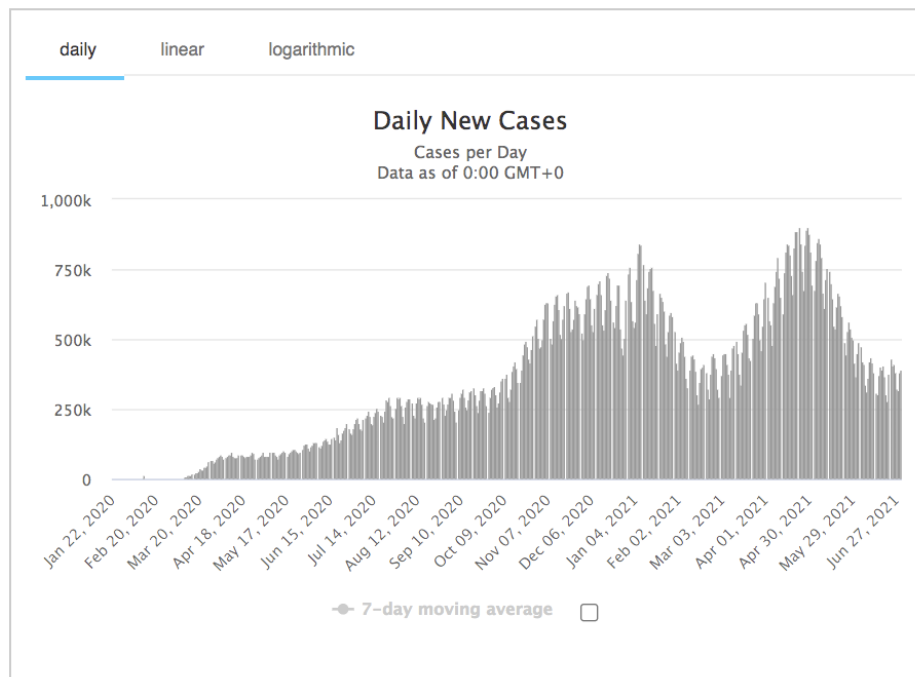
[view by country](#)

Deaths:

3,965,559

Recovered:

167,690,924



Source above: <https://www.worldometers.info/coronavirus/>



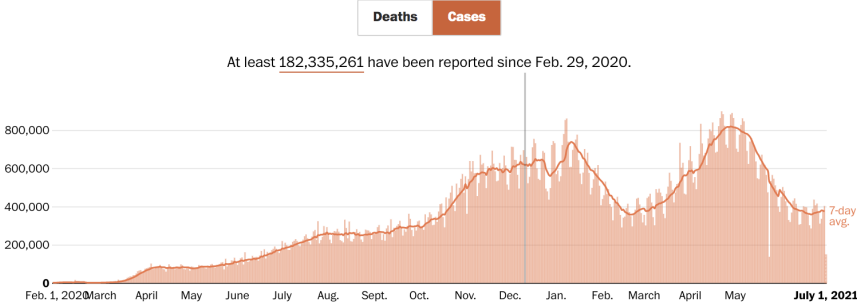
COVID-19 CASES & DEATHS (July 1, 2021), as follows... Source:
https://www.washingtonpost.com/graphics/2020/world/mapping-spread-new-coronavirus/?itid=sf_coronavirus

More than
3,949,000
people have died from
the coronavirus worldwide

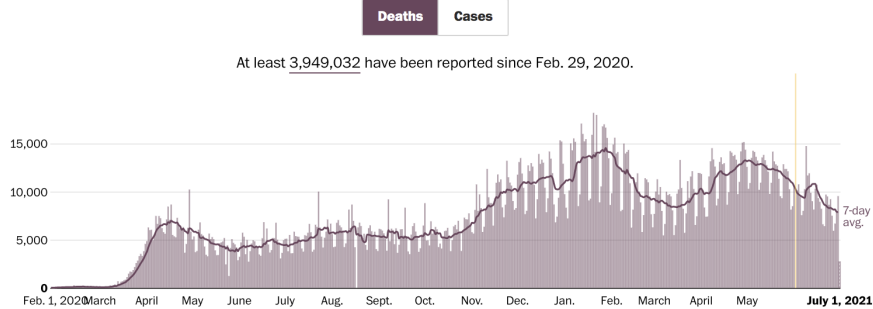
More than **182 million** cases have been reported.

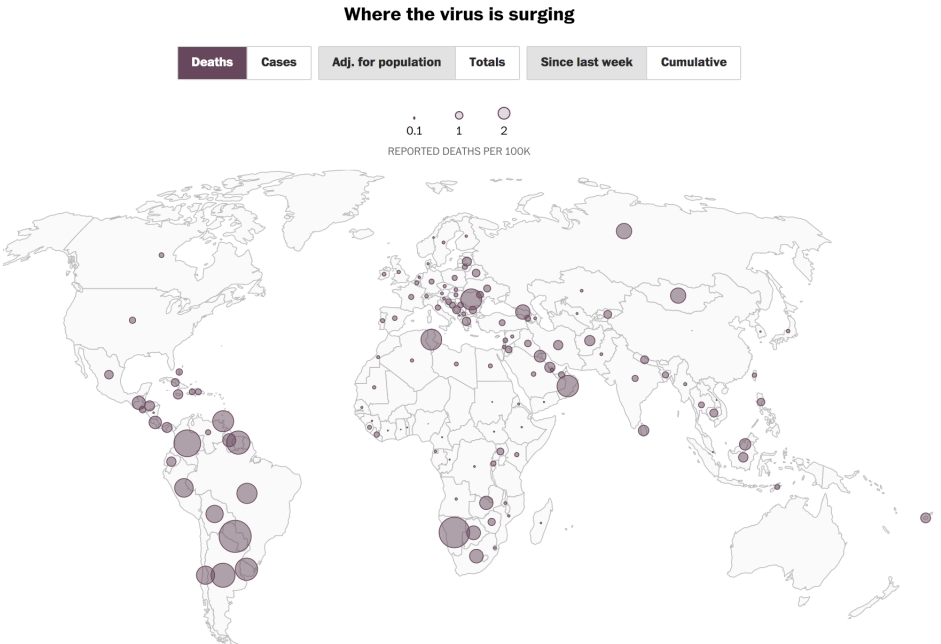
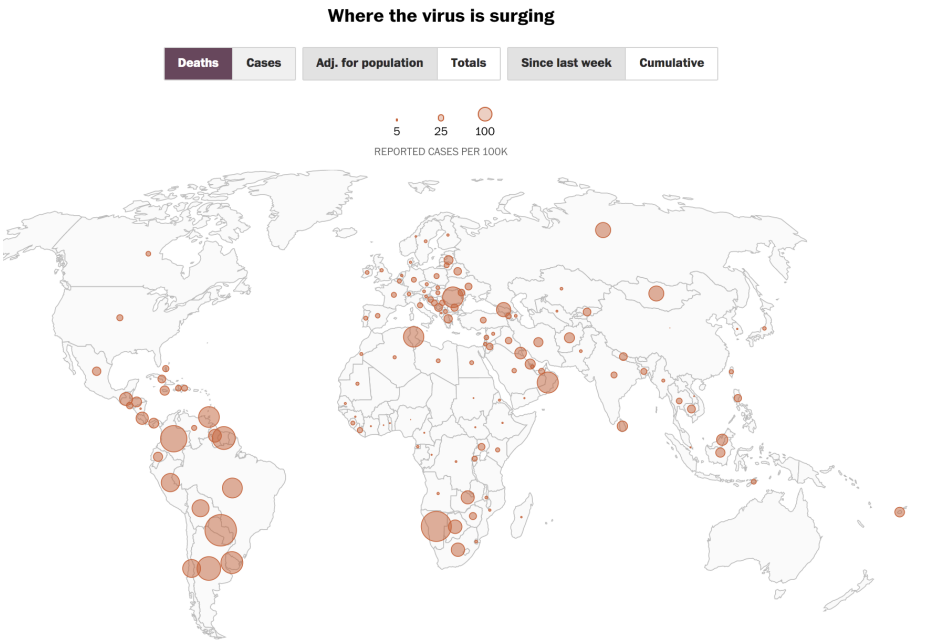


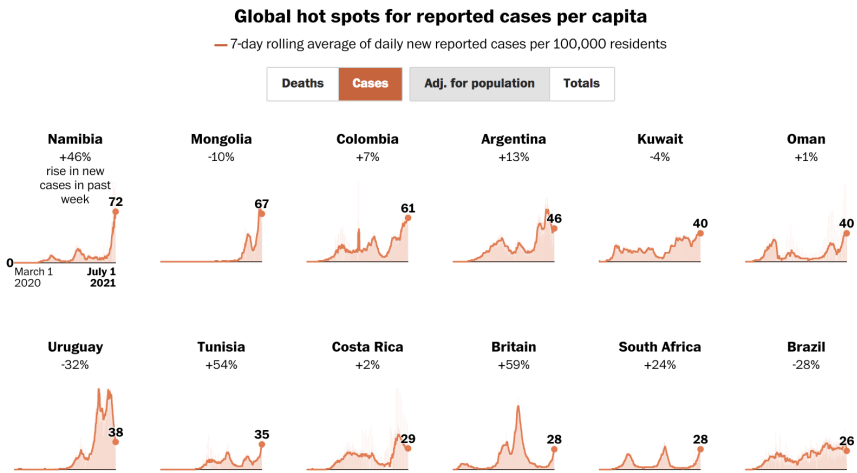
New daily reported cases across the world



New daily deaths reported across the world

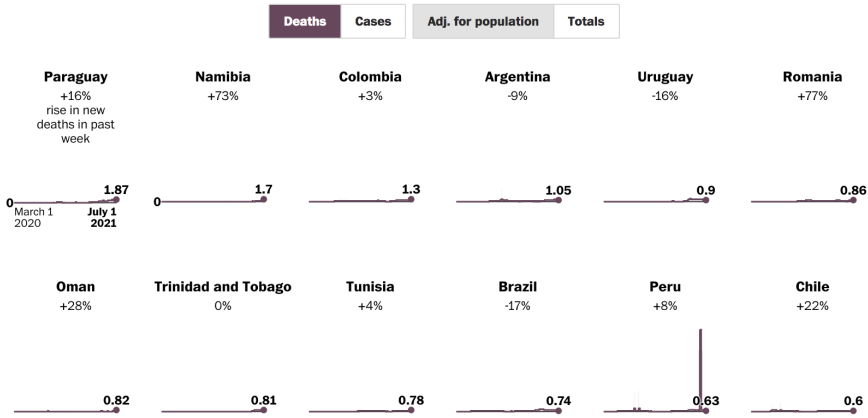




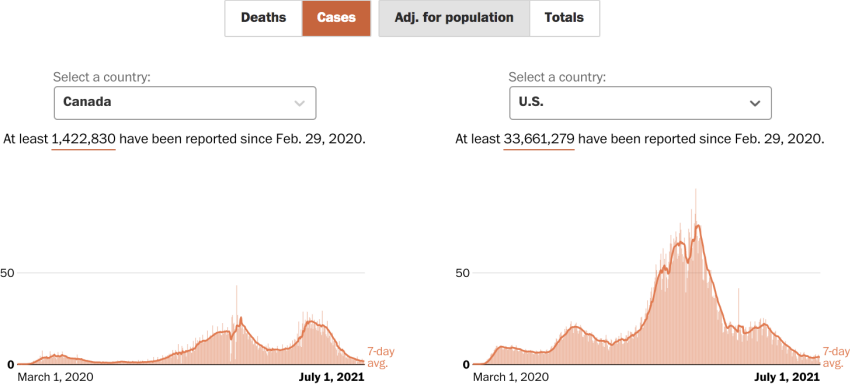


Global hot spots for reported deaths per capita

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



Compare countries by new daily reported cases per 100k





Source of Canadian Data Below (June 30, 2021):
<https://newsinteractives.cbc.ca/coronavirustracker/>

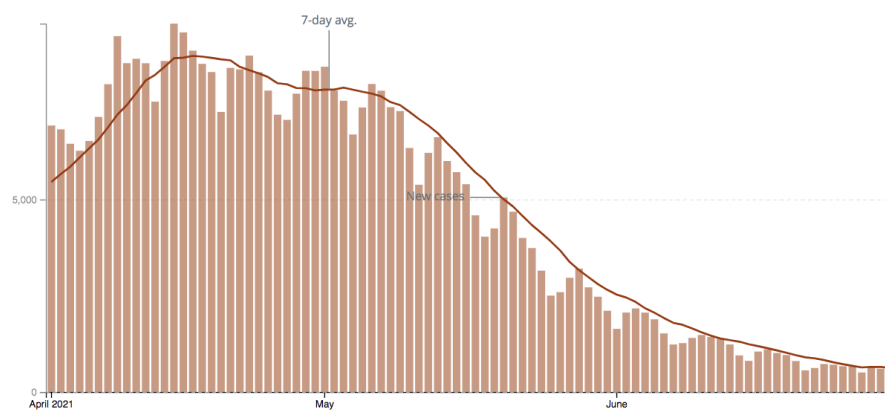
Canada

Cases Deaths Hospitalizations ICU

In Canada 1,415,284 cases have been reported.

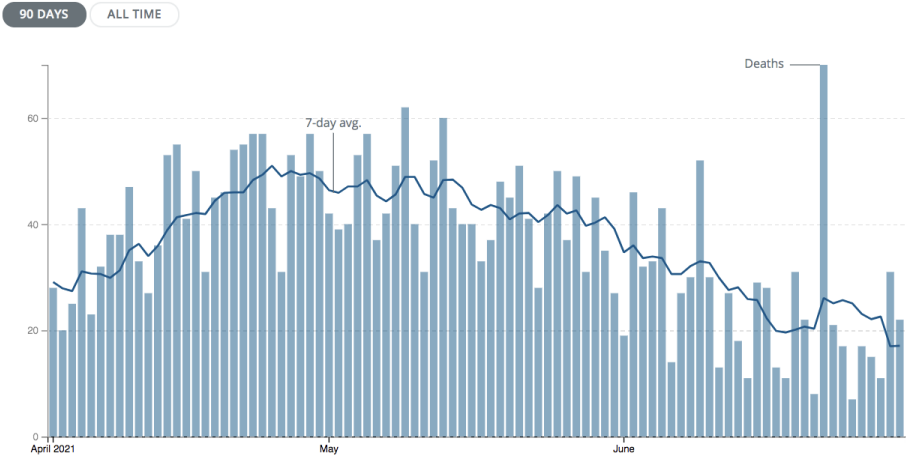
90 DAYS

ALL TIME

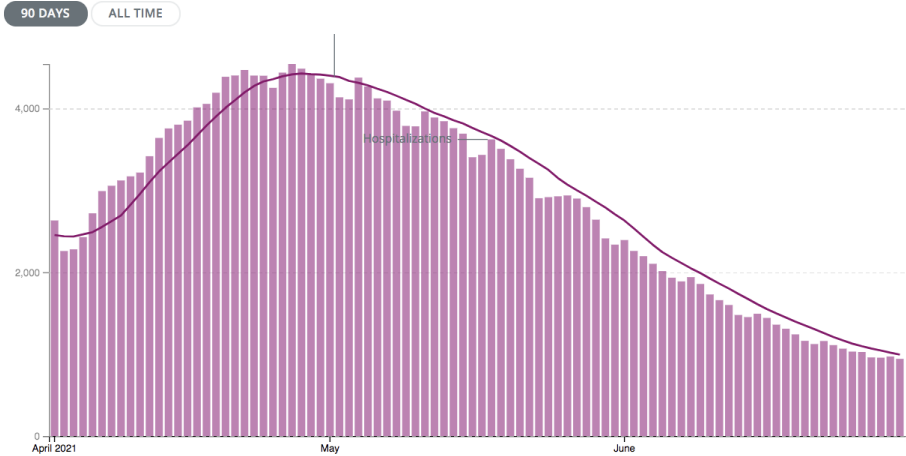


Source: Public Health Agency of Canada.

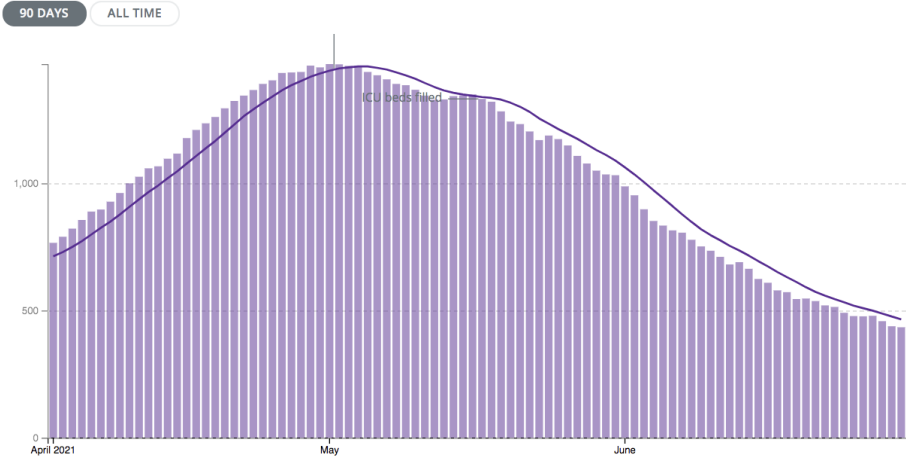
In Canada 26,294 deaths have been reported.



In Canada there are currently 942 people hospitalized.



In Canada there are currently 434 ICU beds filled.



Source: Public Health Agency of Canada.

In the past week in Canada...

New cases

↓

There were 4,359 new cases, a decrease of 25 per cent. That's 11.5 cases per 100,000 people.

Active cases

↓

The number of active cases declined 27 per cent.

Deaths

↓

There were 120 deaths, or 0.3 per 100,000 people, a decrease of 32 per cent.

Hospitalizations

↓

Hospitalizations declined 12 per cent and ICU beds filled declined 12 per cent.

Vaccines

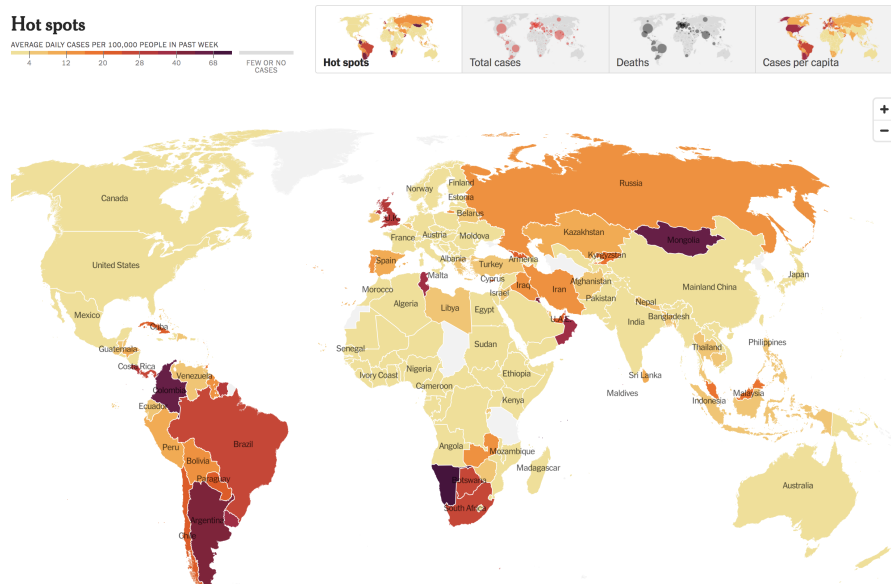
The Pfizer-BioNTech, Moderna, AstraZeneca-Oxford and Johnson & Johnson vaccines have been approved for use in Canada. Johnson & Johnson's is the first single-dose vaccine Health Canada has approved. The others require two doses for someone to be fully vaccinated.

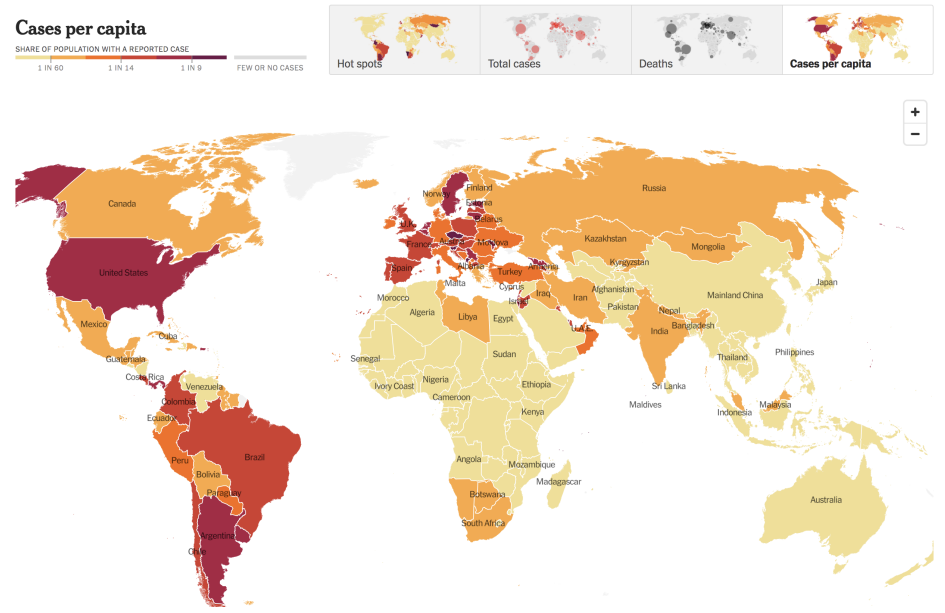
Vaccinations		Doses distributed		
Region	Total doses given	Percentage of people given at least one dose	Percentage of people fully vaccinated	
Canada	37,381,320	67.56%	30.67%	
Alberta	4,332,883	61.75%	35.92%	
British Columbia	5,002,916	69.50%	27.59%	
Manitoba	1,388,305	63.77%	36.43%	
New Brunswick	791,050	69.14%	32.01%	
Newfoundland and Labrador	475,501	73.76%	17.61%	
Nova Scotia	926,062	72.14%	22.41%	
Ontario	14,741,138	67.32%	32.59%	
Prince Edward Island	142,817	71.61%	17.75%	
Quebec	8,269,963	70.17%	26.26%	
Saskatchewan	1,153,720	61.43%	36.44%	
Northwest Territories	60,053	70.61%	62.44%	
Nunavut	37,539	53.94%	41.32%	
Yukon	59,373	74.55%	66.17%	

Source: CBC News.



Source of World Covid-19 Data Below (June 24, 2021):
<https://www.nytimes.com/interactive/2021/world/covid-cases.html>



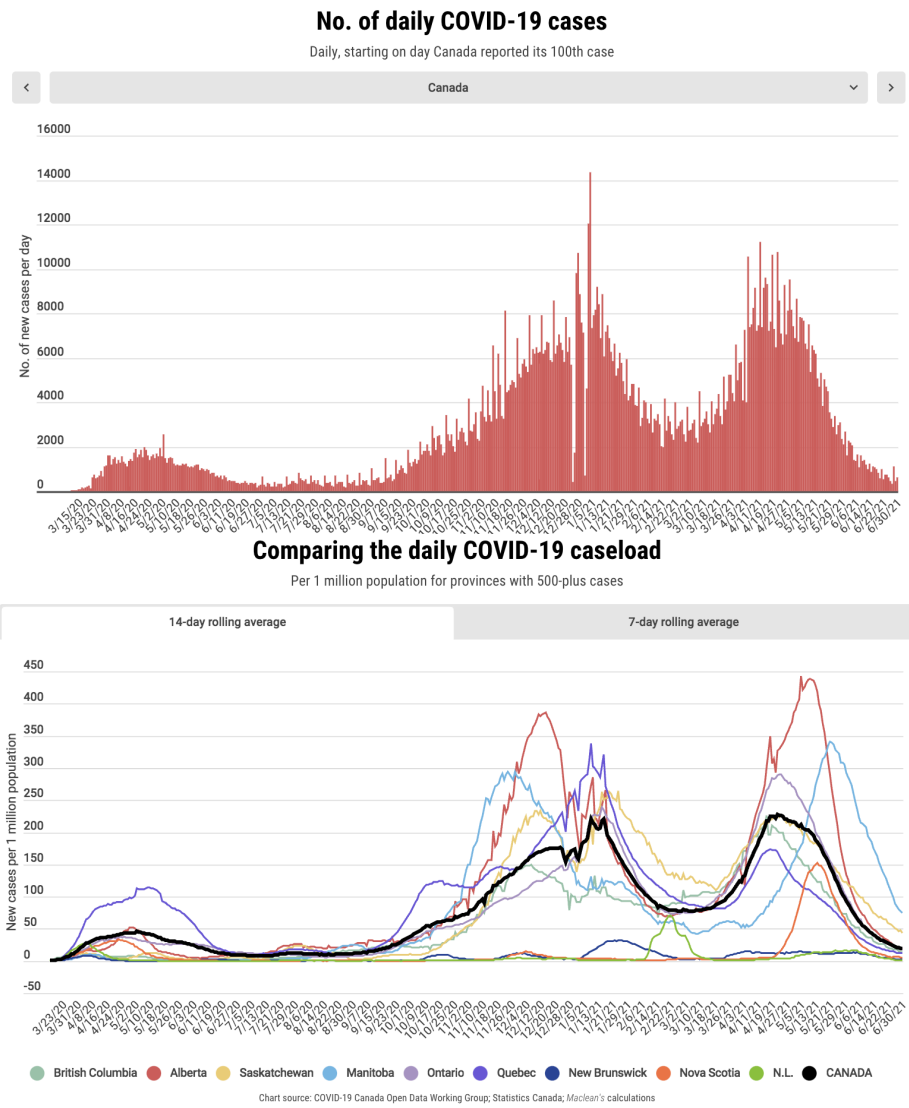


Source of Canadian Data Below (July 1, 2021):
<https://www.macleans.ca/society/health/covid-19-in-canada-how-our-battle-against-the-second-wave-is-going/>

COVID-19 in Canada: How our battle to stop the pandemic is going

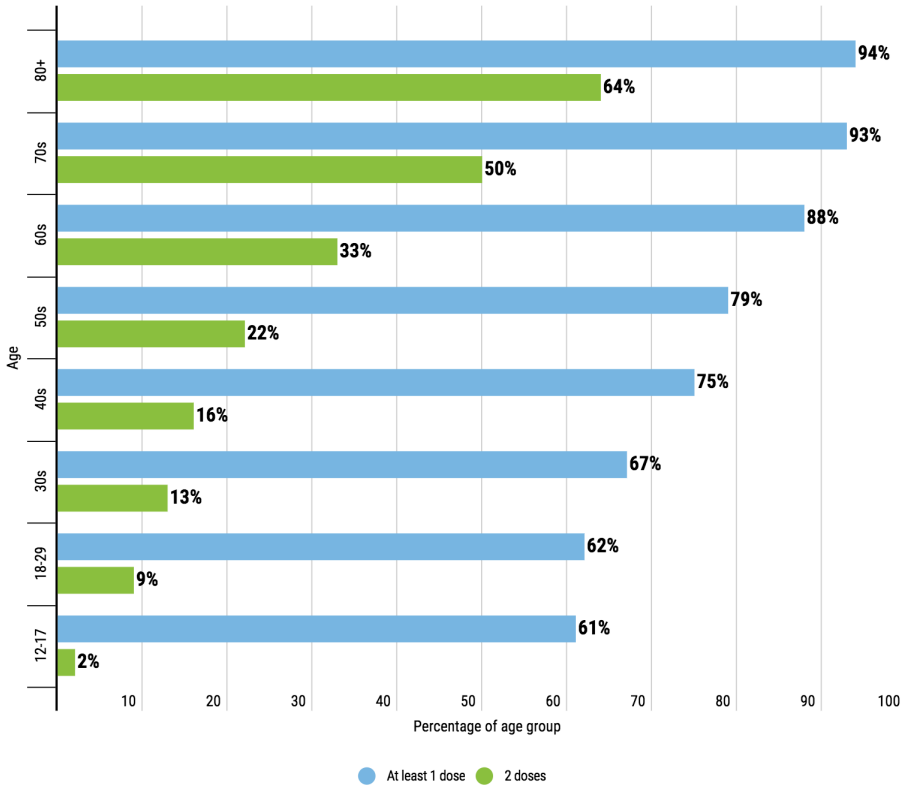
The latest numbers from across country showing where the virus is, how quickly it's spreading and how fast we're rolling out vaccines

By Patricia Treble
July 1, 2021



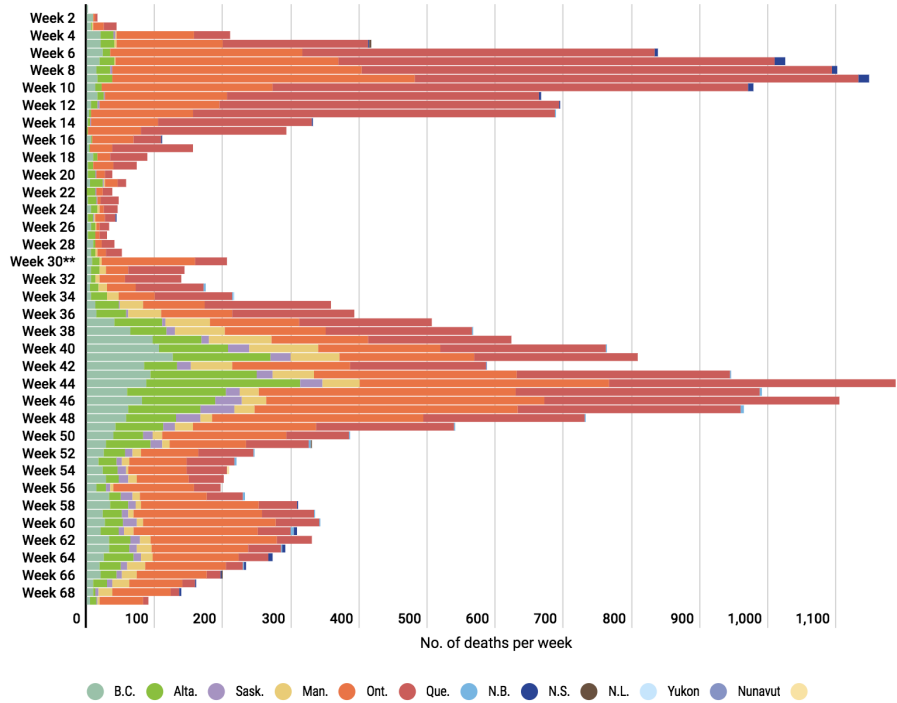
Vaccine coverage in Canada

Percentage of age group who have at least one dose of COVID-19 vaccine and the share that is fully vaccinated with two doses



COVID-19 deaths in Canada

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





HAPPY CANADA DAY, DESPITE OUR FAILINGS

Photo Credits: David Zakus



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