



CURRENT NEWS ON ECOLOGICAL WELLNESS AND GLOBAL HEALTH

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2021

<https://planetaryhealthweekly.com>

June 3,

Hi,

When listening to and reading the news it's easy to conclude that there is also a pandemic of hate circulating around the world. Continually there are reports of systematic racism and prejudice, both today and in the past...and likely the future won't be much different. In Canada, we are now dealing with the discovery of 215 bodies of Indigenous children in a mass grave at an Indian Residential School in British Columbia (see the story below). The U.S. reports more than one armed massacre in its streets every day, often directed at minorities. Even the search for the origins of SARS-CoV-2 has led to an outpouring of violence and vileness towards Asian people, so totally uncalled for. While it took about [14 years to finally deduce the source of SARS](#), which was a profoundly disturbing pandemic that 'only' killed 800 persons, the current search is now fraught with all the conspiracy theorists lashing out.

If one was to impose the current 'culture' of misinformation on any poor or other nation, we'd be going crazy with condemnation of that country and their leaders. We used to euphemistically call it corruption. But that corruption has now gone mainstream among many politicians and their followers in both the United States and Canada. I was totally baffled this last week when in Manitoba (the Canadian middle province of 1.4 million) they simultaneously announced the absolute worst case rate of Covid-19 in North America while ticketing and arresting hundreds of people protesting against public health control measures. Where does that type of thinking come from? In which country do these people live? It makes me feel ashamed.

As we now race against the pandemics and also the climate crisis and destruction of biodiversity nationally and globally, we must keep calm and clear heads, and stay focused on what we know and see happening around us. This pandemic of hate is insidious and its close correlation with the spread of deadly disease and Earth wrenching change is a worrisome challenge for us all.

In today's **Planetary Health Weekly** (#22 of the year) you'll read more about both deadly pandemic disease of the viral and social type and much more. There's no shortage of good work to be done. Our stories include:

- Canada pledges to strengthen 2030 climate targets,

- Photos raise alarm over old-growth logging in British Columbia,
- CORONAVIRUS UPDATES:
 - Covid vaccine certificates must obey privacy laws say Canadian commissioners,
 - The latest Covid-19 data from Canada and around the world,
 - Where is Canada in the fight against Covid-19? (a dashboard of the latest numbers from each province),
 - Real-time updates on Covid-19 cases in Ontario,
 - Why can't more vaccines be made? (podcast),
 - The Yankees Covid outbreak may be bad news for ditching masks,
 - An Oregon church sued over Covid-19 restrictions; then an outbreak there sickened 74,
 - Among the unvaccinated, the Covid-19 pandemic is still raging out of control,
 - Vaccine misinformation insights report for May,
 - Chinese-made vaccines are being subject to misleading narratives,
 - Taiwan's Covid stumble shows perils of even the smallest slip-up,
 - Vietnam's new hybrid variant may be fuelling its worst outbreak so far,
 - Here's the latest on Covid-19 vaccines,
 - Seven EU nations start issuing Covid certificates, and
 - There have been 7m-13m excess deaths worldwide during the pandemic, THEN
- These graphics clearly show how the world is racing to climate failure,
- Genetically engineered mosquitoes coming soon to Florida and Texas?
- Aussie brewer offers beer for excess solar energy,
- Court orders Shell to slash CO2 emissions in landmark climate ruling,
- The powerful new financial argument for fossil-fuel divestment,
- How agroecology can help food systems be more climate-resilient **and** Small farms best are better than big ag in biodiversity and crop yields,
- Experts urge world leaders to put marine ecosystems at the heart of climate policy,
- 215 bodies of children found buried at former British Columbia Indian residential school,
- June is National Indigenous History Month in Canada,
- Free online course on Indigenous history and contemporary issues,
- A Quote on the origins of Covid-19,
- How to fact-check like a journalist (3 minute video "Take On Fake"),
- The drainage basins of the world's longest rivers mapped,
- Introducing the Existential Risk Observatory,
- Humanizing leadership to address the grand challenge of rising inequalities,
- New book: "Covid-19 From The Margins: Pandemic Invisibilities, Policies and Resistance in the Datafied Society,"
- Introducing the Global Consortium on Climate and Health Education, and
- ENDSHOTS from Lake Joseph, Ontario amid the latest world and Canadian Covid-19 stats and charts.

Do keep reading. Best, david

David Zakus, Editor and Publisher



Whitefish Lake, Ontario
June 3, 2021

Canada Pledges to Strengthen 2030 Climate Targets. How Ambitious Should We Be?



Humanity is hurtling towards a full-blown [climate crisis](#). To avoid that dystopian future, all the world's countries joined together five years ago and signed the [Paris Agreement](#). Unfortunately, the initial climate targets pledged under it aren't nearly

strong enough to deal with the intensifying climate emergency. So, a central part of the agreement is a ratcheting mechanism in which countries strengthen their climate targets every five years. That's this year. Read more at [National Observer](#).

Photos Raise Alarm Over Old-Growth Logging in British Columbia

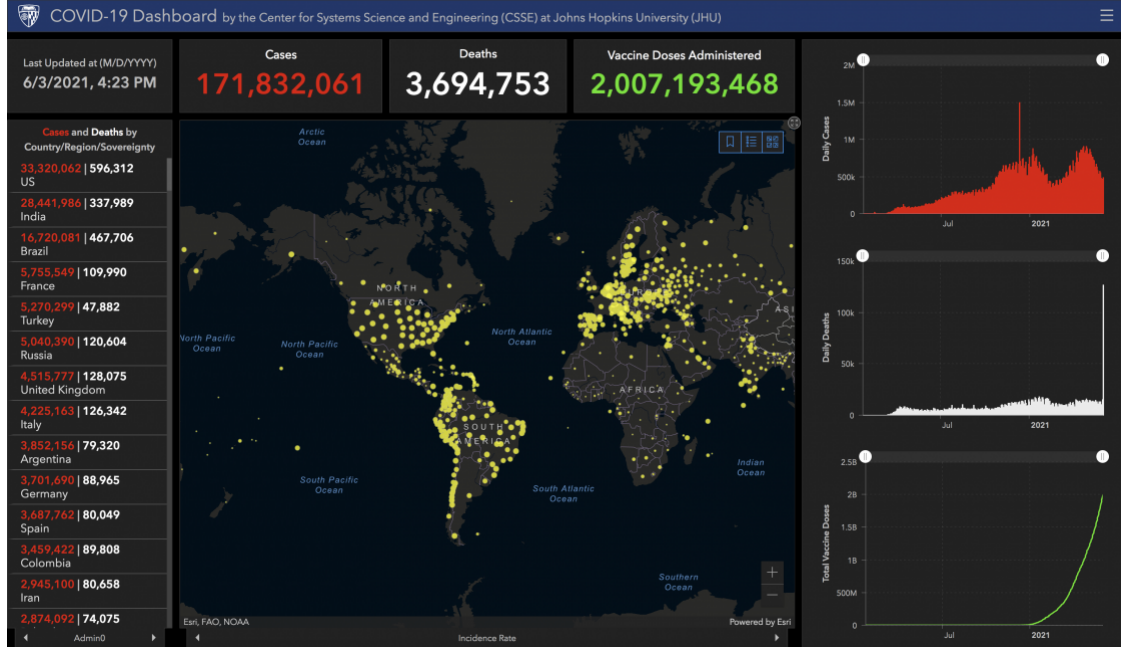


Before and After: Photographer TJ Watt of the Ancient Forest Alliance stands next to an old-growth tree in B.C.
TJ Watt/Ancient Forest Alliance

There are few sights as magnificent as an ancient tree. The towering cedars, firs and spruces of Canada's Pacific Northwest can reach diameters of up to 20 feet as they grow over hundreds of years. Some are a thousand years old. They provide wildlife habitats, sustain immense biodiversity that's [still being discovered](#), and store up to three times more carbon than younger forests.

The old-growth forests of British Columbia remain the world's largest intact stand of temperate rainforest, but they are under threat from logging. Despite the provincial government's promises to protect old-growth forests, an area equivalent of 10,000 football fields is razed every year on Vancouver Island alone. This is a devastating loss that TJ Watt of the [Ancient Forest Alliance](#) tells Treehugger makes no sense whatsoever. Read more at [Tree Hugger](#).

SARS-CoV-2 & COVID-19 UPDATES



Globally, the pandemic rages but with some improvement, including significantly in Canada and the USA, but still not good in Latin America (with 8 of the top 12 countries for new cases). Some 30 million vaccines continue being given each day, now reaching more than 2 billion.

Over the last week there were about 3.2 million new cases of Covid-19 (down about 8%) and a staggering 192,000 new related deaths (23% more than last week due to Peru's catch-up reporting of 120,000 - otherwise stable).

(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

COVID Vaccine Certificates Must Obey Privacy Laws, Say Canadian Commissioners

Credit: Toronto Star

With the Canadian governments slowly easing pandemic restrictions entering buildings and taking commercial flights, some are calling for people to have COVID-19 vaccine certificates to prove they have been inoculated. However, the country's privacy commissioners warn these documents or digital apps — sometimes called vaccine passports — have to meet federal and provincial privacy laws.

Governments approving vaccine certificates must consider three factors:

- Necessity – vaccine passports must be necessary to achieve each intended public health purpose. Their necessity must be evidence-based and there must be no other less privacy-intrusive measures available and equally effective in achieving the specified purposes.

- Effectiveness – vaccine passports must be likely to be effective at achieving each of their defined purposes at the outset and must continue to be effective throughout their lifecycle.
- Proportionality – the privacy risks associated with vaccine passports must be proportionate to each of the public health purposes they are intended to address. Data minimization should be applied so that the least amount of personal health information is collected, used or disclosed.

Exactly what a vaccine certificate looks like is still under discussion. It could be a signed piece of paper or a digital app.

Toronto privacy lawyer Barry Sookman of the McCarthy Tetrault law firm said in an interview that a number of his business clients have been investigating the possibility of demanding COVID vaccine certificates. “It’s a useful tool that organizations that want to ensure safety of people that are going to use a service where there is a possibility of infecting others” are pondering, he said. Read more at [at itWorldCanada](#).

READ MORE COVID-19 STORIES:

At the Star: [The Latest COVID-19 Data from Canada and Around the World. Check here for Updates on Cases and Deaths](#)

At the Star: [Where is Canada in the Fight Against COVID-19? Use this Dashboard for the Latest Numbers from Each Province](#)

At the Star: [See Real-time Updates on COVID-19 Cases in Ontario. Search our Database to Find Your Local Public Health Unit](#)

At Economist: [Why Can't More Vaccines Be Made? \(40 Minute Podcast\)](#)

At Wired: [The Yankees Covid Outbreak May Be Bad News for Ditching Masks](#)

At the Washington Post: [An Oregon Church Sued Over Covid-19 Restrictions. Then An Outbreak There Sickened 74](#)

At Daily Kos: [Among the Unvaccinated, the COVID-19 Pandemic is Still Raging Out of Control](#)

At First Draft News: [Vaccine Misinformation Insights Report: May](#)

At First Draft News: [Chinese-made vaccines are being subject to misleading narratives](#)

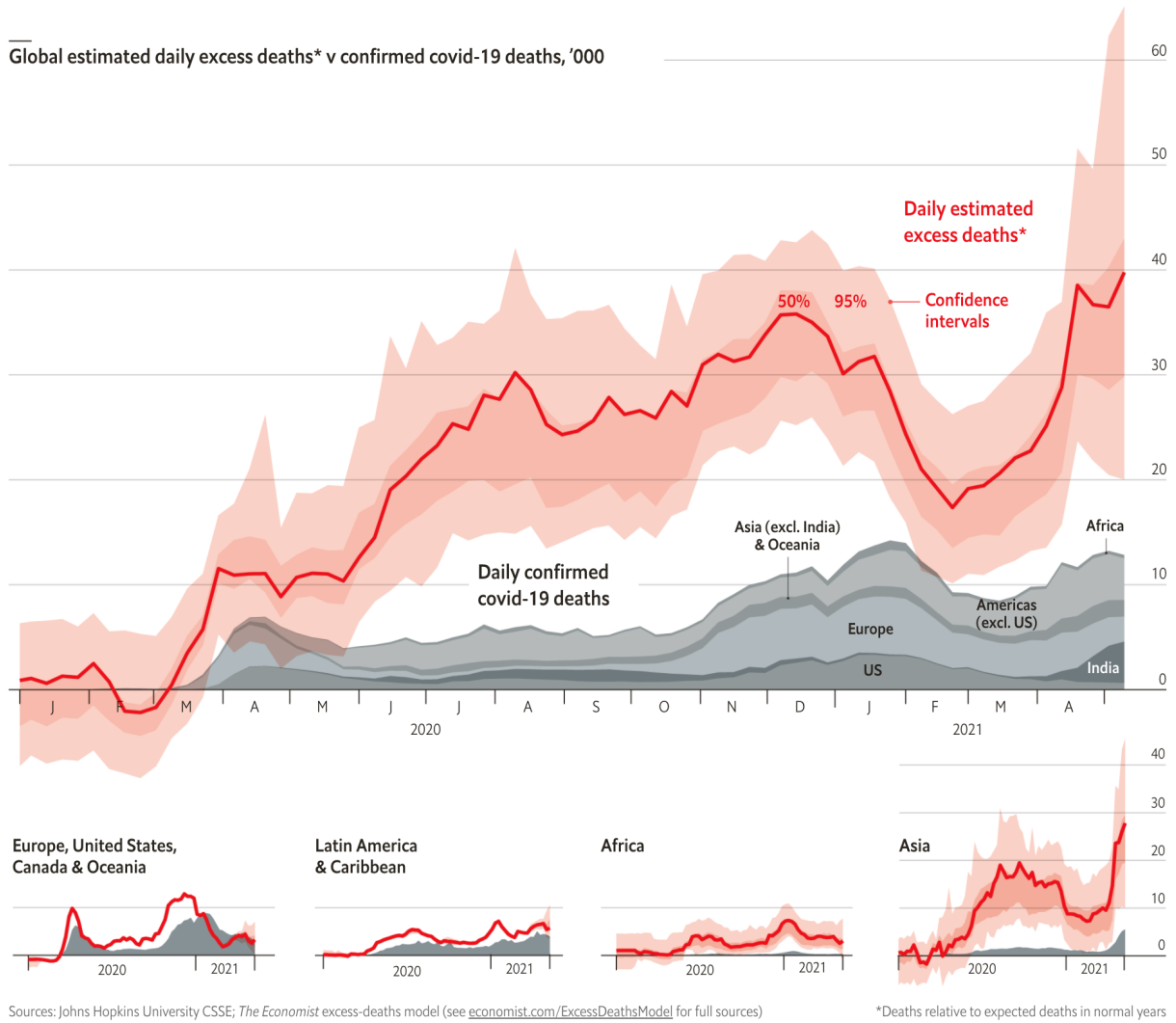
At National Geographic: [Here's the Latest on COVID-19 Vaccines](#)

At Telegraph: [Taiwan's Covid stumble shows perils of even the smallest slip-up](#)

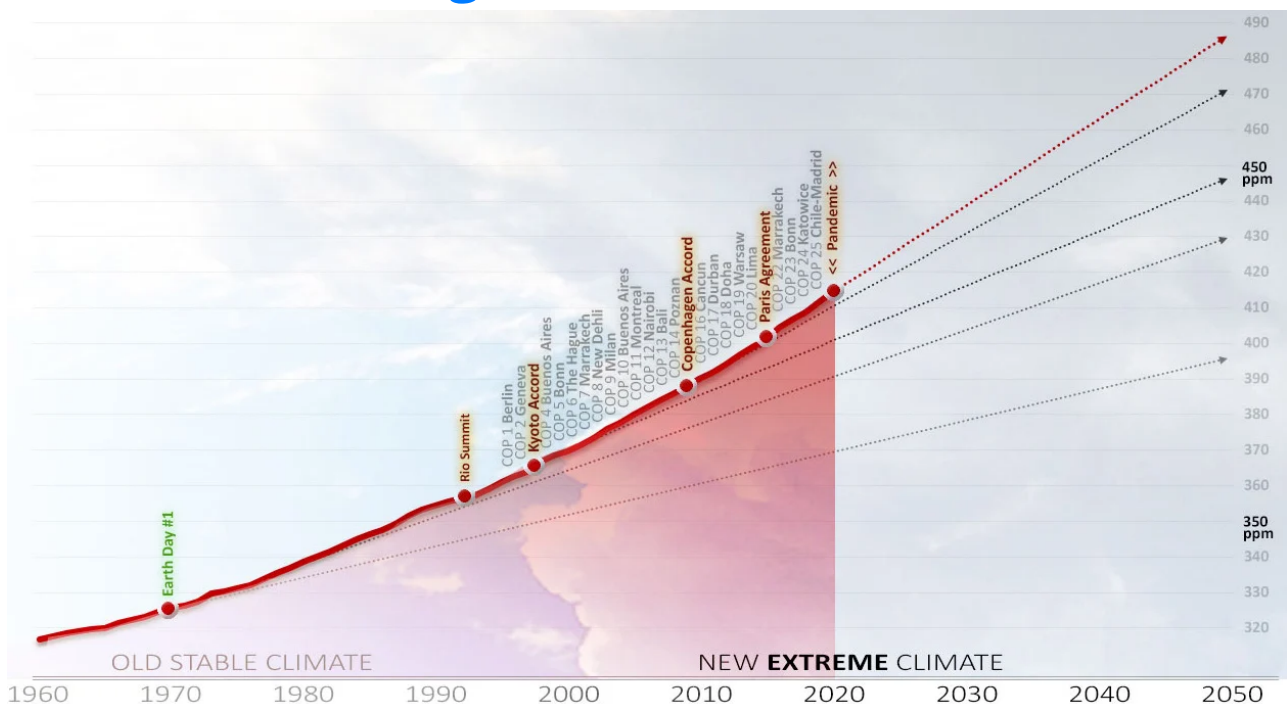
At Telegraph: [Vietnam's new hybrid variant may be fuelling its worst outbreak so far](#)

At Health Economic Times: [7 EU nations start issuing Covid certs](#) A digital Covid certificate system that will facilitate travel within the EU became operational ahead of schedule in seven countries on Tuesday. The ‘digital green certificate’ records whether people have been fully vaccinated, recovered from the virus or tested negative within 72 hours. Bulgaria, Czech Republic, Denmark, Germany, Greece, Croatia and Poland made the certificates available. The system would be used in all 27 EU countries as of July 1.

MAY 15TH 2021



These Graphics Show How the World is Racing to Climate Failure



Credit: Andrea Booher/FEMA/Wikimedia Commons

"Whatever our world leaders are 'doing' to reduce emissions, they are doing it wrong ... Our political leaders have failed us ... We have to understand what the older generation has dealt to us, what mess they have created that we have to clean up and live with." — [Greta Thunberg](#). The primary force overheating our planet, destabilizing our climate, and acidifying our oceans is the CO2 humans are dumping into the atmosphere. Read more at [National Observer](#).

Genetically Engineered Mosquitoes Coming Soon to Florida and Texas?



Credit: Met Office

Oxitec, a biotech company, is currently lobbying for state and local approvals in Florida and Texas for the release of at least half a billion of its patented genetically engineered (GE) mosquitoes into communities. In May 2020, the Environmental Protection Agency (EPA) approved experimental trials for Oxitec Corporation's new GE mosquito for release in Monroe County, FL, and Harris County, TX. Scientific research has found that genetically engineered mosquitoes pose significant risks to human health and ecosystems. Despite a lack of independent safety assessment, regulatory oversight, proof of effectiveness, transparency, and most importantly prior informed consent from the communities, both Oxitec and the U.S. government seemed determined to push ahead with the release. A final approval on the release of the mosquitoes in Florida is pending. Read more at [Carbon Brief](#).

See Also at The Weather Network: [First batch of genetically modified mosquitoes about to be released](#)

Power Drinkers - Aussie Brewer Offers Beer for Excess Solar Energy



Credit: A VB Solar Exchange van is seen in front of a house with solar panels, in this undated handout image obtained March 31, 2021. Victoria Bitter via REUTERS.

MELBOURNE (Reuters) - How about a cool beer in exchange for your excess solar power? That's the offer from Asahi Group's Carlton and United Breweries (CUB) in Australia, serving up Victorian Bitter to households who have rooftop solar power to spare, in what the companies involved believe to be a world first. Along with putting solar panels on its Melbourne brewery and buying power from a solar farm, CUB is looking to buy excess solar power from households, paying in cans of beer instead of cash, to help meet its target to use 100% renewable power by 2025. Read more at [Reuters](#).

GOOD NEWS

Court Orders Shell to Slash CO2 Emissions in Landmark Climate Ruling



Credit: CNN

London (CNN Business) A Dutch court has ruled that Royal Dutch Shell must dramatically reduce its carbon emissions in a landmark climate decision that could have [far reaching consequences for oil companies](#).

The company must slash its CO2 emissions by 45% by 2030 from 2019 levels, according to a [judgment](#) from a district court in The Hague on Wednesday. That includes emissions from its own operations and from the energy products it sells. This is the first time that a court has ruled a company needs to [reduce its emissions](#) in line with global climate goals, according to Friends of the Earth Netherlands, an environmental campaigning group that brought the case against Shell ([RDSA](#)).

The verdict could pave the way for similar cases to be brought in other countries, forcing oil companies to reduce fossil fuel production. It comes just a week after the influential International Energy Agency told oil companies they need to [stop drilling for oil and gas right now](#) to prevent a climate catastrophe. Shell has just appealed the ruling. Read more at [CNN](#).

MORE GOOD NEWS

The Powerful New Financial Argument for Fossil-Fuel Divestment



Credit: David Grossman/Alamy

In a few months, a small British financial think tank will mark the tenth anniversary of the publication of a landmark [research report](#) that helped launch the global fossil-fuel-divestment movement. As that celebration takes place, another seminal [report](#)—this one obtained under the Freedom of Information Act from the world's largest investment house—closes the loop on one of the key arguments of that decade-long fight. It definitively shows that the firms that joined that divestment effort have profited not only morally but also financially.

The original report, from the London-based Carbon Tracker Initiative, found something stark: the world's fossil-fuel companies had five times more carbon in their reserves than scientists thought we could burn and stay within any sane temperature target. The numbers meant that, if those companies carried out their business plans, the planet would overheat. At the time, Bill McKibben discussed the report with Naomi Klein, who, like him, had been a college student when divestment campaigns helped undercut corporate support for apartheid, and to them this seemed a similar fight; indeed, efforts were already under way at a few scattered places like Swarthmore College, in Pennsylvania. In July, 2012, McKibben published an [article](#) in *Rolling Stone* calling for a broader, large-scale campaign, and, over the next few years, helped organize [roadshows](#) here and abroad. Today, portfolios and endowments have committed to divest nearly fifteen trillion dollars. Read more at [New Yorker](#)

OPINION

How Agroecology Can Help Food Systems Be More Climate-resilient



"Resilience ... can be compared to a spider web: The more nodes and flexible threads that are part of the system, the better it can buffer external shocks." Credit: [Markus Spiske on Unsplash](#)

Global food security is increasingly under threat. The [COVID-19](#) pandemic has demonstrated how vulnerable our food supply chains are. In the medium term, however, a changing climate, together with dramatic biodiversity loss, is the much bigger challenge. Agriculture is both villain and victim in the midst of a global climate and biodiversity crisis and we urgently need to transform how we produce food. But how can we foster resilience to increasing external shocks and adapt to changing conditions to support the most vulnerable?. Read more at [Devex](#).

See Also at National Observer: [Small Farms Beat Out Big Ag in Biodiversity and Crop Yields: study](#)

SPOTLIGHT ON POLICY

Experts Urge World Leaders to 'Put Marine Ecosystems at the Heart of Climate Policy'



Credit:

As global weather experts [warned](#) that the world's oceans are "under threat like never before," more than 3,000 scientists, politicians and other public figures had endorsed an open letter urging national governments to "recognize the critical importance of our ocean and blue carbon in the fight against the climate emergency." Led by the Environmental Justice Foundation ([EJF](#)) and backed by 66 partner groups, the [letter](#) (pdf) calling on world leaders to "put marine ecosystems at the heart of climate policy" is now [open to public signature](#) and will be presented to governments before November's United Nations Climate Change Conference (COP26) in Glasgow. Read more at [Desmog](#)

SPOTLIGHT ON INDIGENOUS WELLNESS

Tk'emlups Confirms Bodies of 215 Children Buried at Former Kamloops, British Columbia, Indian Residential School



Credit: Dustin Godfrey

The chief of the Tk'emlúps te Secwépemc calls the discovery “unthinkable”. The band confirmed Thursday (May 27) it has found the remains of 215 children buried on the site of the former Kamloops Indian Residential School.

Chief Rosanne Casimir says the presence of the remains was “a knowing” in the Tk'emlups community, but was confirmed this past weekend with the help of a ground-penetrating radar specialist. The Tk'emlups Heritage Park is now closed to the public as work continues, with the potential crews may find more remains. The children, some as young as three, were students at the school, which was once the largest in Canada's residential school system. Casimir says it's believed the deaths are undocumented, [Read more at: CFJC Today](#).

See Also at: [Government of Canada: National Indigenous History Month – June, 2021](#) Commemorate National Indigenous History Month 2021 to recognize the history, heritage and diversity of First Nations, Inuit and Métis peoples in Canada.

See Also:

Indigenous Canada is a [free Massive Open Online Course](#) (MOOC) from the [Faculty of Native Studies](#) at University of Alberta in Edmonton that explores Indigenous histories and contemporary issues in Canada.



Credit: THE WUHAN INSTITUTE OF VIROLOGY IS UNDER SCRUTINY FOR ALLEGED LINKS TO THE PANDEMIC. PHOTO: HECTOR RETAMAL / AFP

Quote Of The Week

"The novel coronavirus originated in nature. It has no agenda, no morals or political belief. Its presence among our species is a result of human activity. It is an indictment on all of humanity that when confronted with a common threat, the immediate response from governments has been more artificial divisions to determine who deserves to live and who must die. In the eyes of a state, security is not about preserving life but sustaining power. People are sacrificed to secure the fragile pride of a flag. The future is bartered to fulfill capitalism's endless demand for profit. Truth gives way to partisan motives.

"A crisis reveals the best and worst of humanity. A community can extend from the near and dear to reach the farthest realms. Our fates on this planet are bound in the same fabric. The history of this pandemic is still being written. What we do now will decide how the next one plays out."

Yangyang Cheng: a postdoctoral fellow at Yale Law School's Paul Tsai China Center and a particle physicist. Follow her on [Twitter](#).

Read More at VICE: We're Not Ready for the Next Pandemic

Upcoming Events

- May 12 - June 8, 2021: [CoPEH-Canada Multisite Course and Webinar Series on Ecosystem Approaches to Health](#) (8 sessions virtually)
- May 31 - June 18, 2021: [The McGill Summer Institute of Infectious Diseases and Global Health](#) (100% online from McGill University, Montreal, Canada)
- June 7-9, 2021: [Executive Course: Global Health Diplomacy](#) (Dalla Lana School of Public Health, University of Toronto, Canada)
- June 29-30, 2021: [Telemedicine International Summit on Innovation & Technology](#)
- 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.

FYI#1 SPOTLIGHT ON MEDIA

How to Fact-Check Like a Journalist (Award winning 3 minute DIY video: "Take On Fake")



Credit: WebbyAwards

Fact-checking isn't just for professional journalists. With so much misinformation around COVID-19, how can you check the facts for yourself? Multimedia journalist Laura Garcia from First Draft walks us through how she fact-checked a viral video of an "escaped coronavirus patient" using free tools on the internet.

First Draft: <https://firstdraftnews.org/>

Resources InVID video verification tool: <https://www.invid-project.eu/>

Google Maps: <https://www.google.com/maps>

Google Image Search: <https://www.google.com/imghp>

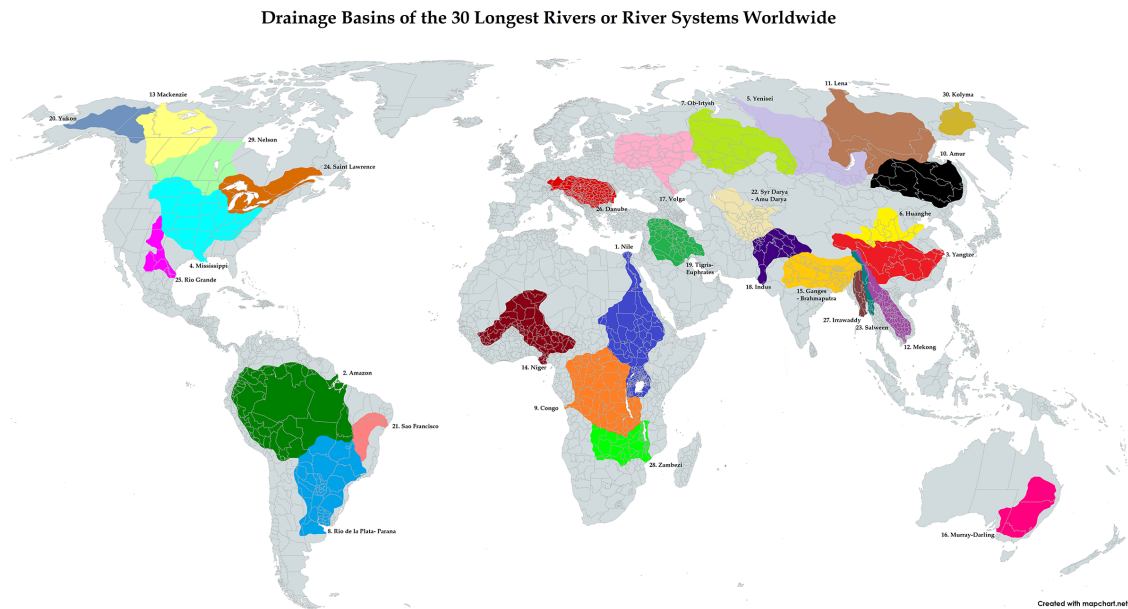
Don't forget to Like & Subscribe: <https://bit.ly/3dziPoH>

Take on Fake debunks claims you've seen or shared online to show you how to stay informed. Host Hari Sreenivasan follows the Internet rabbit hole of misinformation, reading beyond a single headline to find credible sources to uncover the truth.

[Read More at WebbyAwards](#)

FYI #2

Mapped: The Drainage Basins of the World's Longest Rivers



Credit: Visual Capitalist

Most of the earth's surface is covered in water, but less than 1% of it is the fresh water that makes up the rivers and lakes we're familiar with.

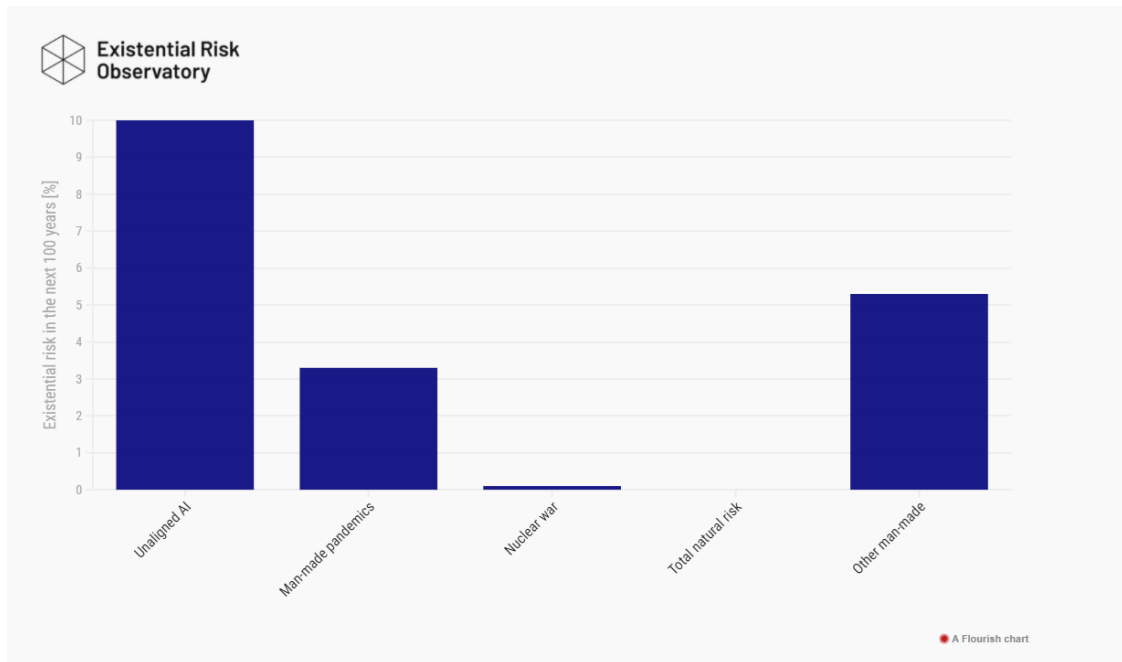
The water we encounter in life is moving through the stages of the [water cycle](#). And even though rivers make up a tiny portion of all fresh water, they're still one of the most visible parts of that cycle, especially for the billions of people who live in cities and towns built alongside them. Of course, rivers don't just appear out of nowhere. They're the end result of water's land-based journey—the product of many compounding inflows collected within a drainage basin.

The map above, from Reddit user [r/CountZapolai](#), illustrates how massive the drainage basins can be for the world's longest rivers.

See and Read More at Visual Capitalist

FYI #3

Existential Risk Observatory: Reducing Human Extinction Risks by Informing the Public Debate



Human extinction risk has increased from almost zero to an estimated likelihood of one in six in the next hundred years. We think this likelihood is unacceptably high. We also believe that the first step towards decreasing existential risk is awareness.

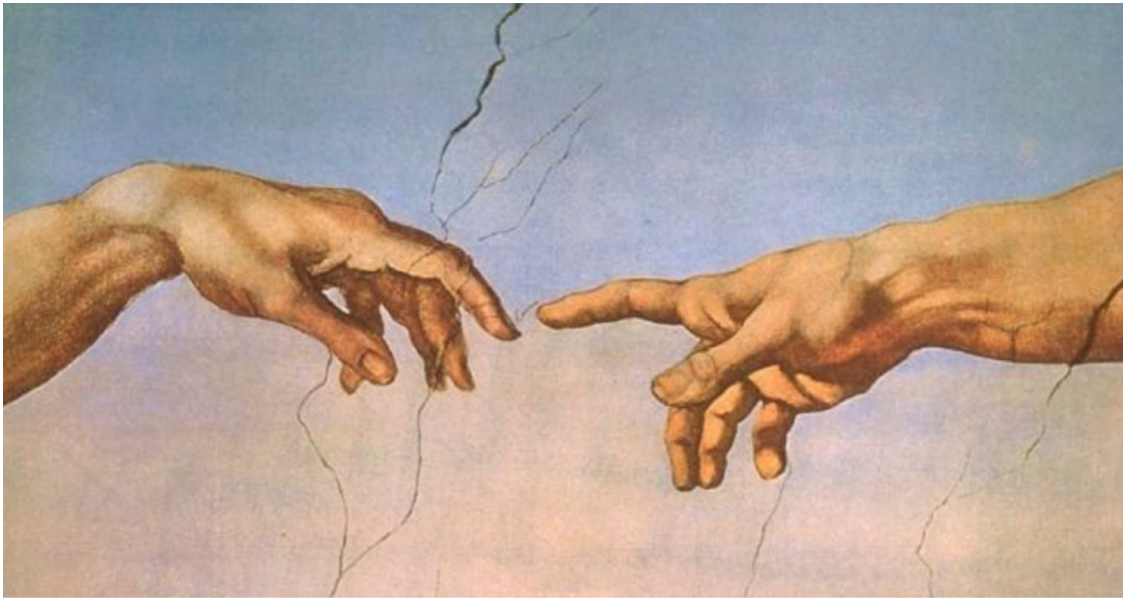
Therefore, the Existential Risk Observatory is committed to reducing human existential risk by informing the public debate.

[Read More at Existential Risk Observatory](#)

FYI #4

**Humanizing Leadership to Address
the Grand Challenge of Rising**

Inequalities: Leadership in a Post-COVID World



The hands of God and Adam from Michelangelo's Sistine Chapel—public domain image

The year 2020 has become synonymous with grand problems impacting individuals' economic, health, emotional and social well-being. A broad public opinion attributes these challenges to a leadership crisis. For example, the Edelman Trust Barometer, an instrument used for measuring global confidence in business and governments since 2012, indicates high public distrust with leaders worldwide. Over the past decade, many scholars have argued that there is a need to build confidence in our leaders and institutions. These concerns have led to calls for rethinking the leadership paradigm. To take up re-conceptualizing leadership, we pay attention to the current context.

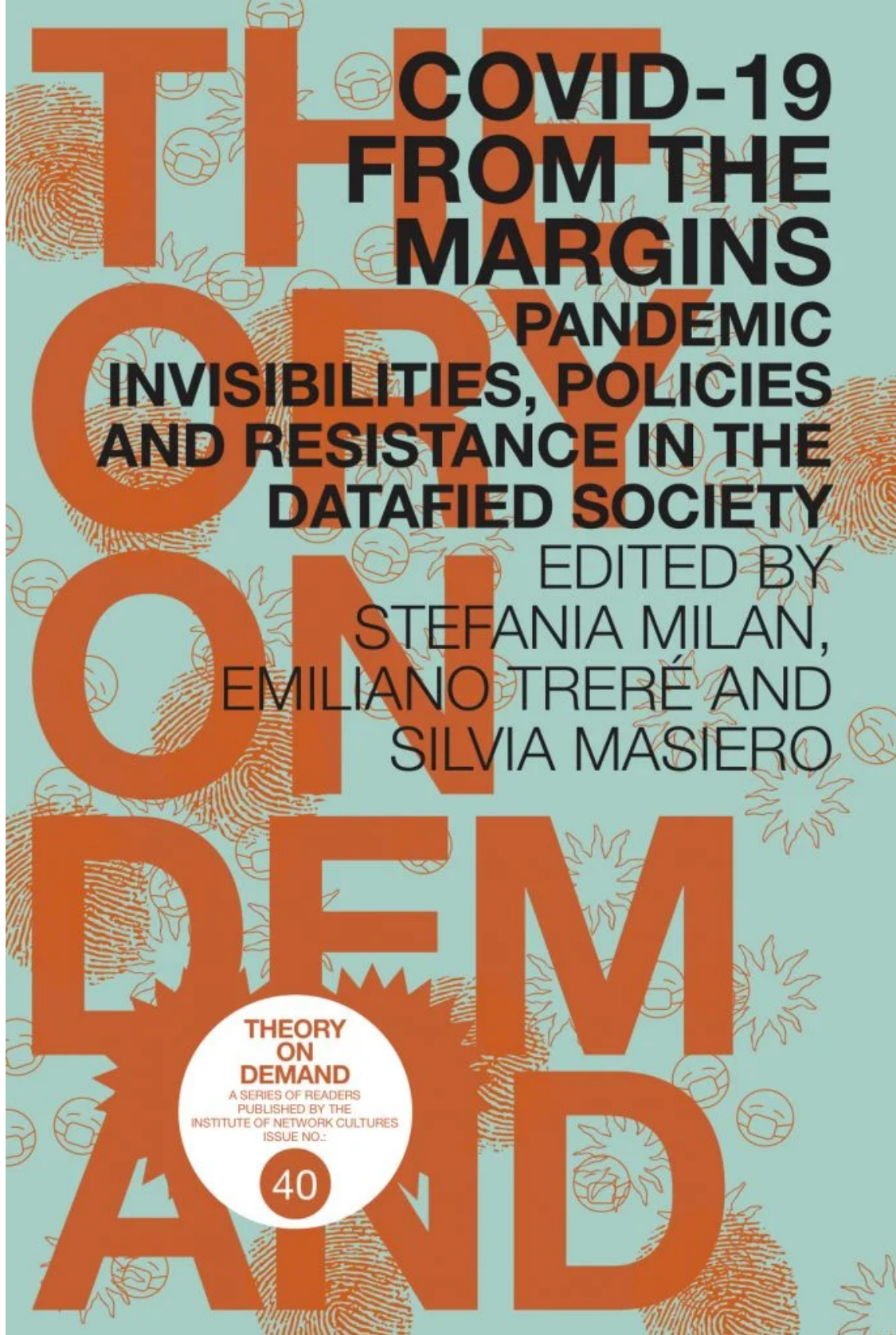
Within this discussion, responsibility, collaboration, learning and equity stand out as essential themes. Solving grand problems requires a sense of responsibility, coordinated efforts and pragmatic collaborations with stakeholders. To build equitable organizations, they must actively address inequalities, examine and transform structures, and vocalize their concerns publicly. While not a small undertaking, this requires a paradigm shift to broaden the leader mindset beyond commercial and intellectual goal-focused activities and towards existential and cultural dimensions.

We refer to this shift as humanizing leadership. The humanizing approach emphasizes the relational and co-constitutive aspects of leadership. To lead, leaders must learn to collaborate with followers and commune with their environment.

[Read More at Academia](#)

FYI #5: FIRST OF JUNE READING

New Book: "COVID-19 From The Margins: Pandemic Invisibilities, Policies and Resistance in the Datafied Society" - Edited by Stefania Milan, Emiliano Treré and Silvia Masiero (free download)



Credit: Book Cover

In the first pandemic of the datafied society, the disempowered were denied a voice in the heavily quantified mainstream narrative. Featuring stories of invisibility, injustice, hope and resistance, this book gives voice to communities at the margins in the Global South and beyond. The multilingual, polycentric and pluriversal narration invites the reader to enact and experience “Big Data from the South(s)” as a decolonial lens to read the pandemic.

FYI#6: SPOTLIGHT ON EDUCATION

Global Consortium on Climate and Health Education



Credit: GCHE

The effects of climate change are already harming health around the world, and impacts will only intensify in the coming years. Heat waves and rainstorms are becoming more deadly, disease outbreaks last longer and are seen in new regions, wildfire smoke from tinder-dry forests reduces air quality, and food and water security are threatened by extreme weather.

There is an imperative for quick action on many fronts: to recognize and respond to climate-health threats; prevent climate change at its source by reducing heat-trapping greenhouse gas emissions; support “greener” systems throughout the economy, including healthcare; understand the health co-benefits of adaptation and mitigation; and communicate effectively about these issues.

However, the climate and health field is still young, with a modest number of experts, significant gaps in knowledge, and few developed educational programs or curricula in health professions schools. To bridge this gap, we must provide the next generation of global health leaders with the knowledge and tools to help

protect human health and well-being from climate change and other planetary changes.

Launched in early 2017, the Global Consortium on Climate and Health Education (GCCHE) was developed over the course of 2016, born from a meeting at the December 2015 COP-21 conference in Paris. The GCCHE's vision is that all health professionals throughout the world – doctors, nurses, and public health leaders and practitioners – will be trained to prevent, reduce, and respond to the health impacts of climate change. To advance progress toward this goal, the GCCHE has convened an Advisory Council and Coordinating Committee of global experts, is preparing resources for all schools of medicine, nursing, and public health to use, and is obtaining commitments from health professions schools in all regions of the world to include education on the health impacts of climate change in their education.

[Read More at GCCHE](#)

ENDSHOTS

ON A BOAT AND AROUND THE SHORES OF LAKE JOSEPH, ONTARIO

May 31, 2021

Amid Latest World and Canadian COVID-19 Stats & Charts



COVID-19 CORONAVIRUS PANDEMIC

Last updated: June 03, 2021, 17:18 GMT

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

Coronavirus Cases:

172,666,790

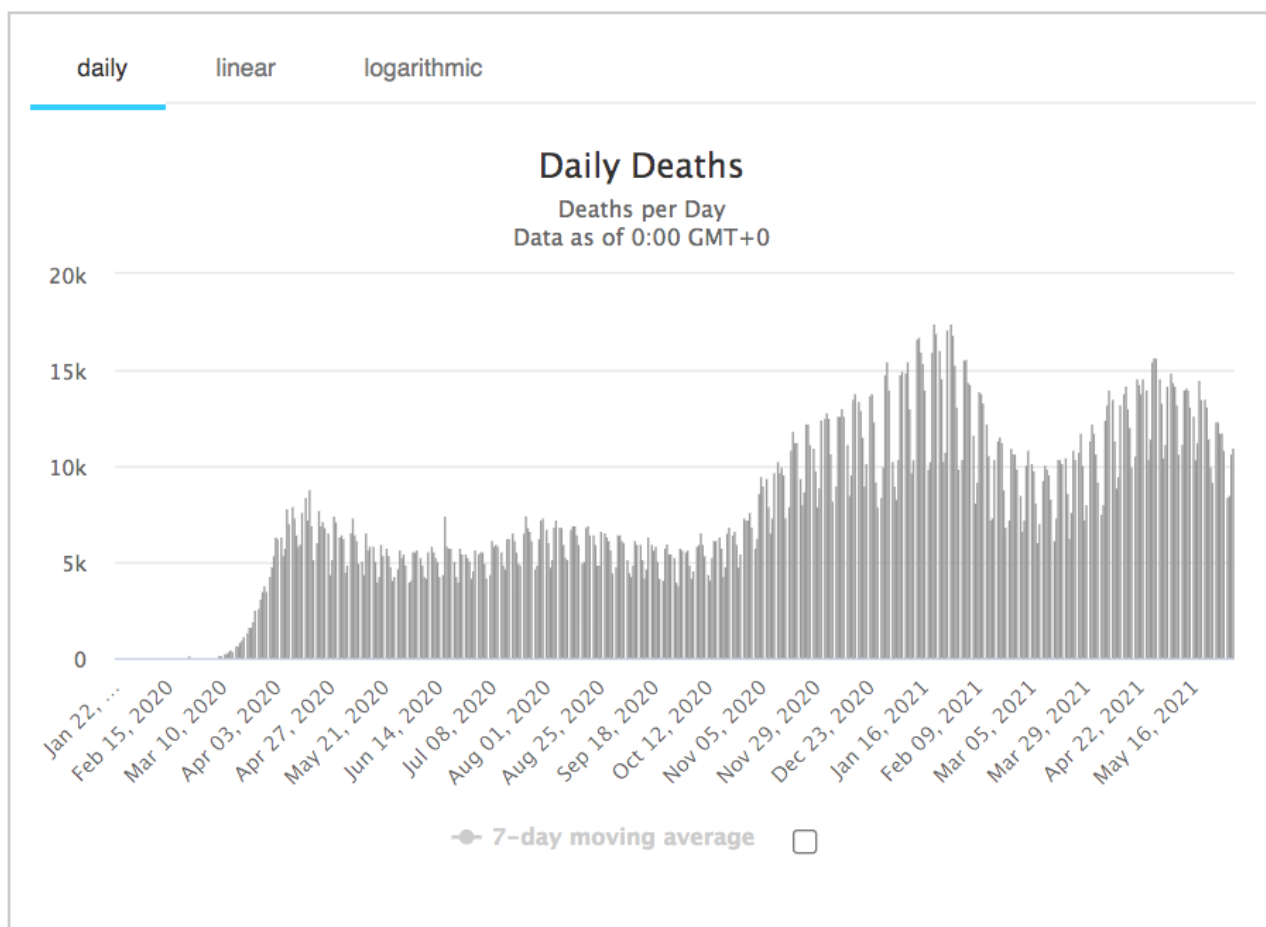
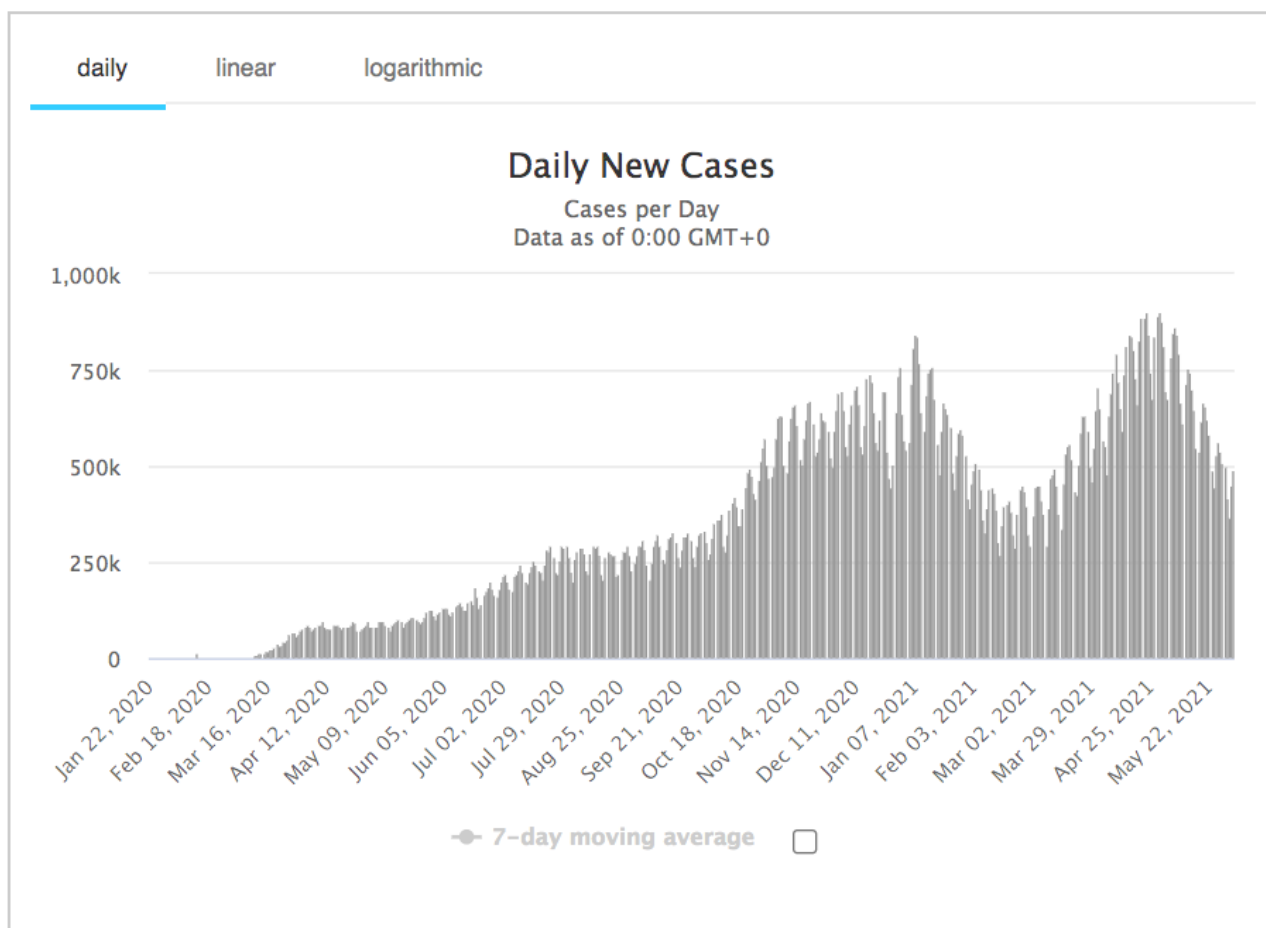
[view by country](#)

Deaths:

3,711,557

Recovered:

155,401,869



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



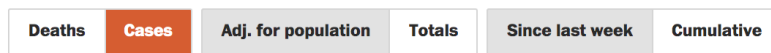
COVID-19 CASES & DEATHS (June 3, 2021), as follows...

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

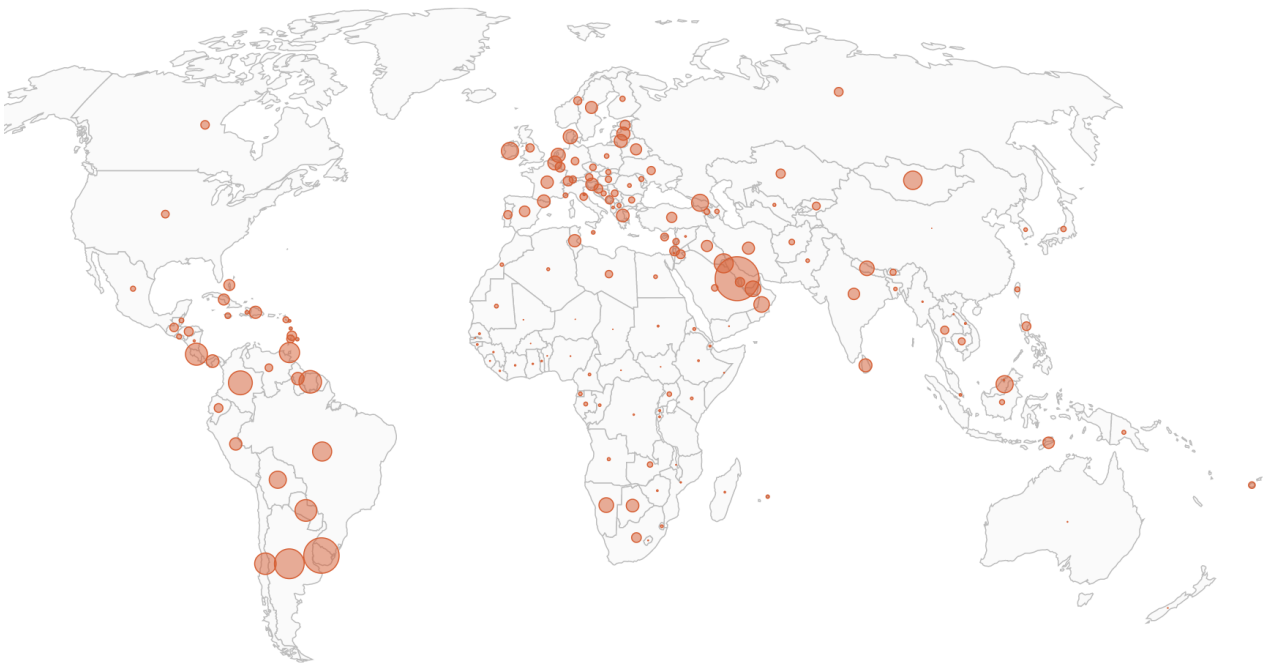
More than 3,696,000 people have died from the coronavirus worldwide

More than **172 million** cases have been reported.

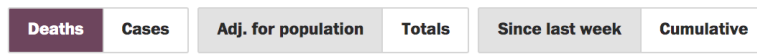
Where the virus is surging



5 25 100
REPORTED CASES PER 100K



Where the virus is surging



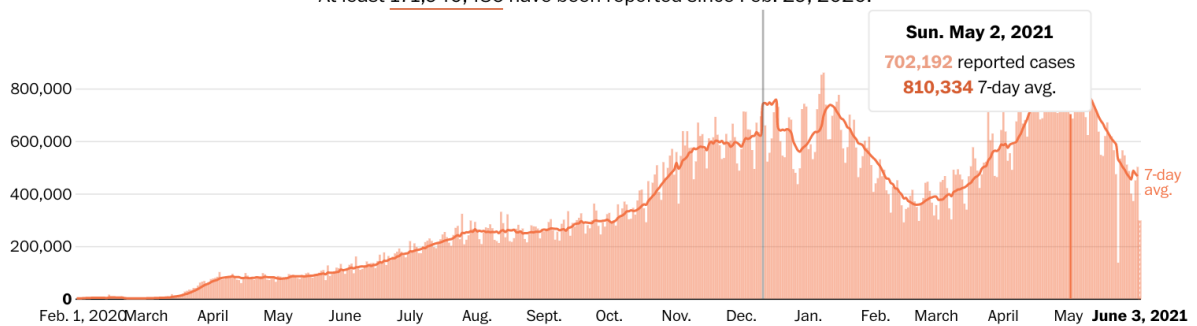
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REPORTED DEATHS PER 100K



New daily reported cases across the world

Deaths Cases

At least 171,940,486 have been reported since Feb. 29, 2020.

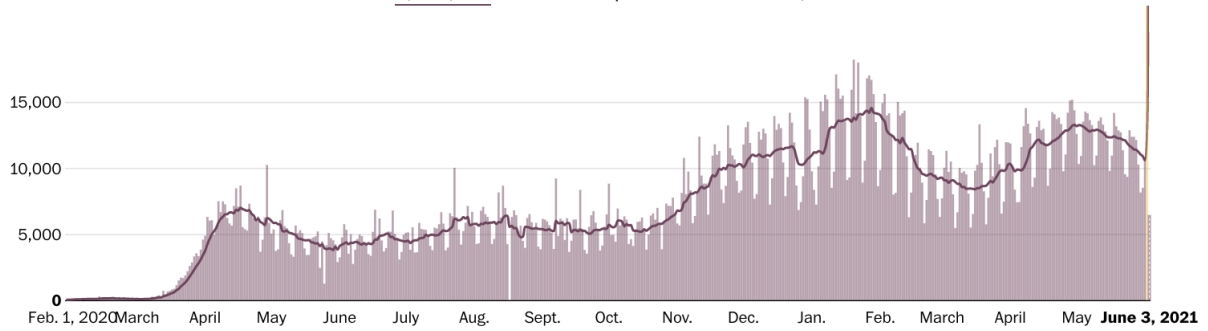


New daily deaths reported across the world

Deaths

Cases

At least 3,696,083 have been reported since Feb. 29, 2020.



Data anomalies:

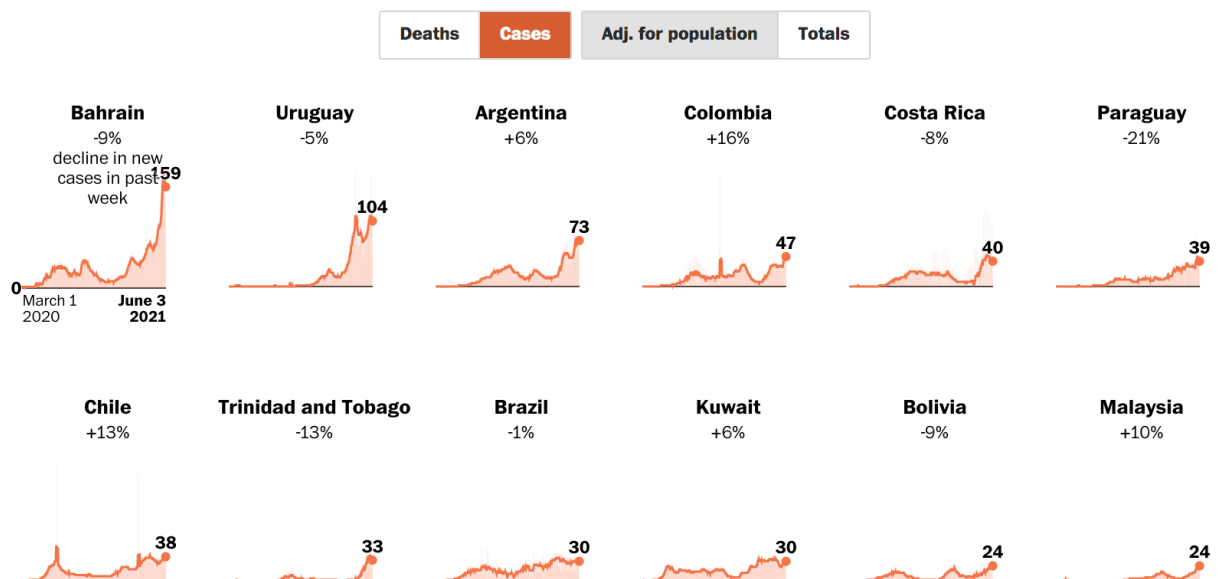
- The spike in reported cases on Dec. 11 is due to a change in Turkey's reporting standards.
- The spike in reported deaths on June 2 is due to a [reclassification of more than 120,000 deaths in Peru](#) that occurred between March 2020 and May 22, 2021.





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

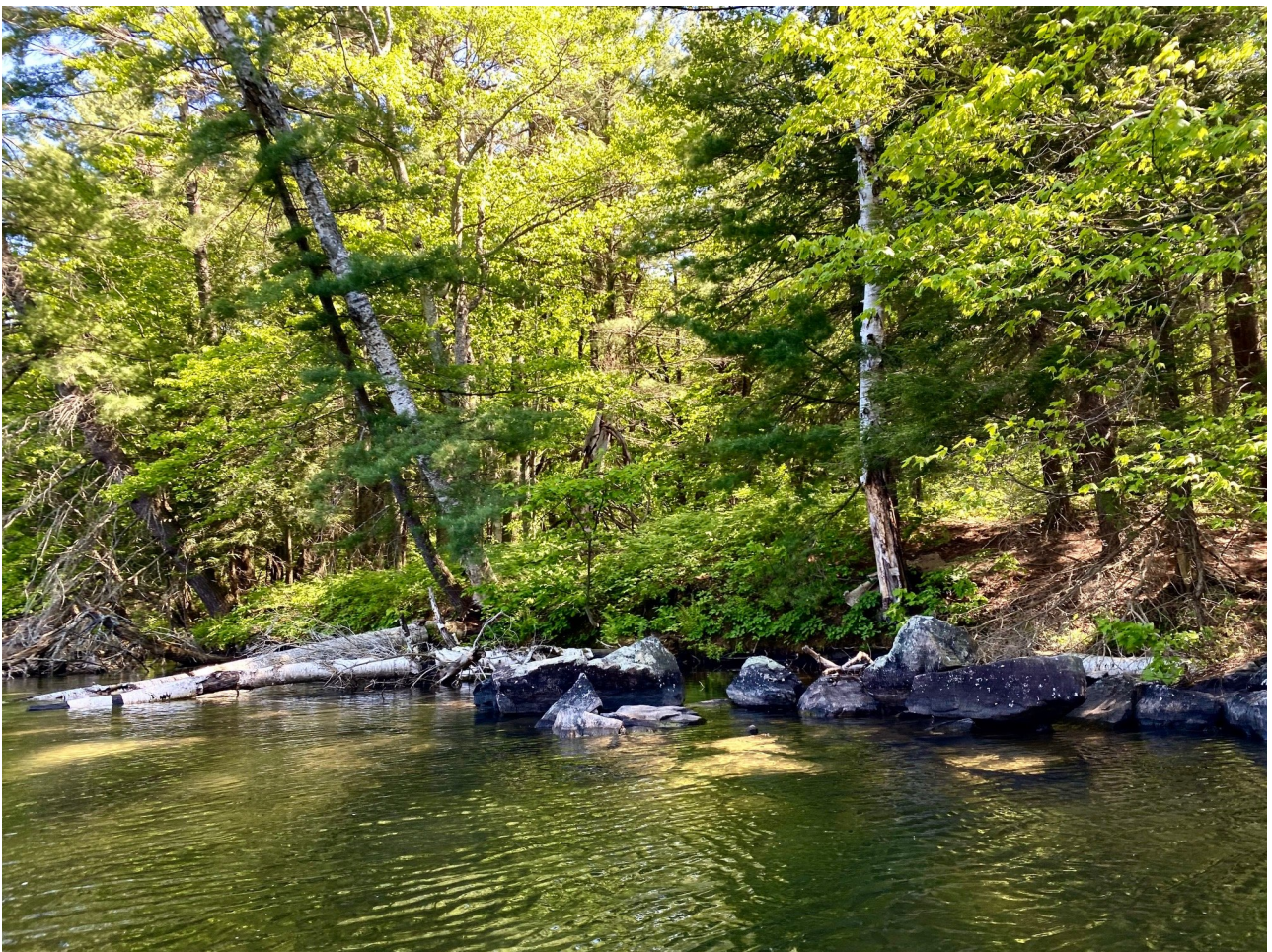
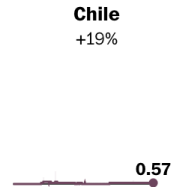
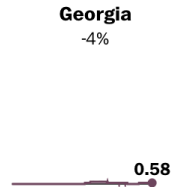
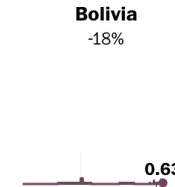
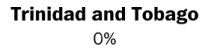
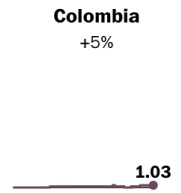
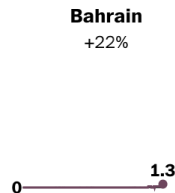
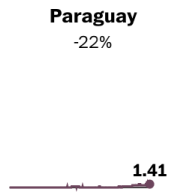
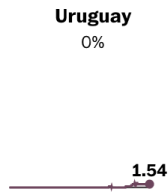
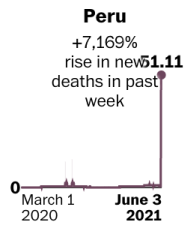
— 7-day rolling average of daily new deaths per 100,000 residents

Deaths

Cases

Adj. for population

Totals



Doses of covid-19 vaccines administered per 100,000 residents

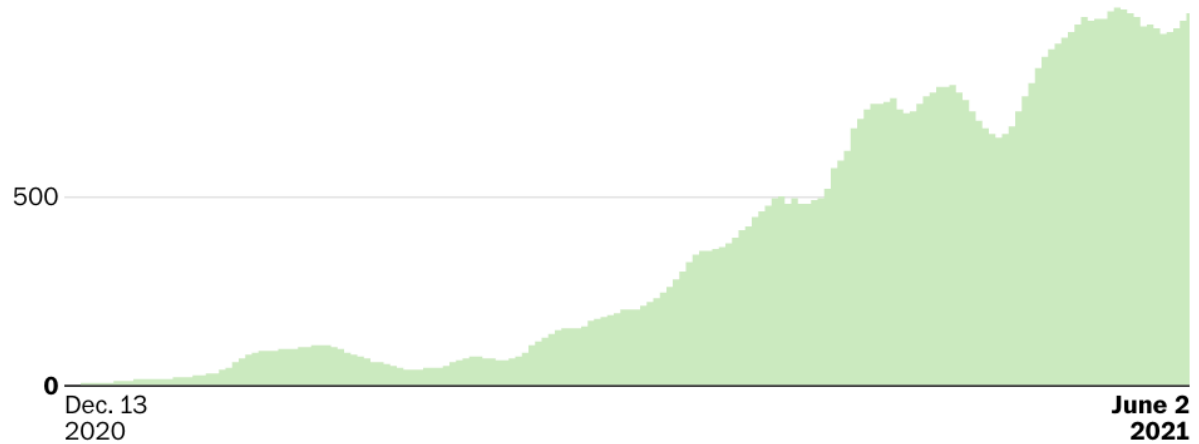
Adj. for population

Totals

Reported doses administered per day

Show by

Canada



Doses of covid-19 vaccines administered per 100,000 residents

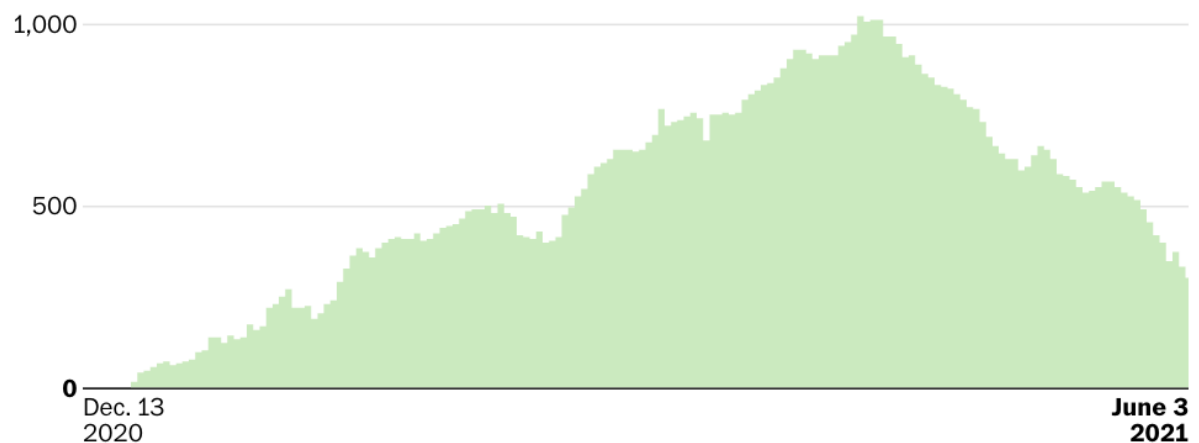
Adj. for population

Totals

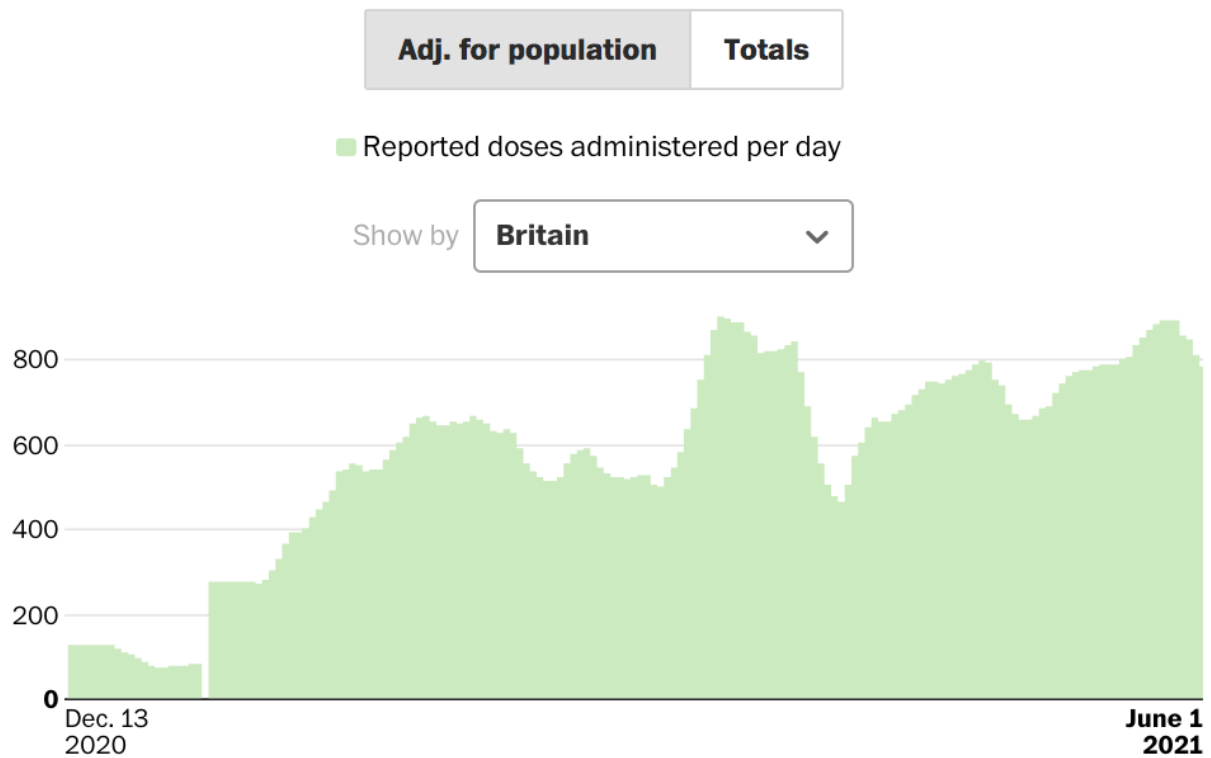
Reported doses administered per day

Show by

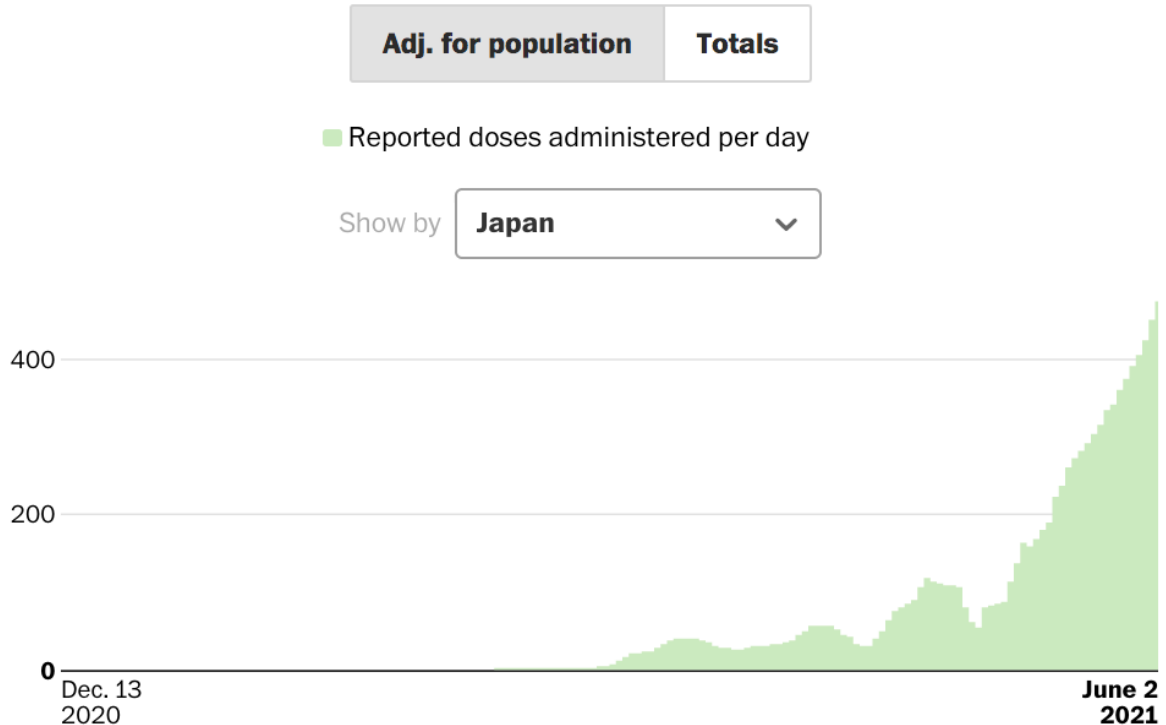
U.S.



Doses of covid-19 vaccines administered per 100,000 residents



Doses of covid-19 vaccines administered per 100,000 residents



| Country | Total doses given per 100k | Pct. of pop. partially vaccinated | Pct. of pop. completed vaccination |
|-----------------------|-------------------------------|--------------------------------------|--|
| Seychelles | 136,745 | 71.6% | 65.1% |
| UAE | 133,731 | — | — |
| Malta | 119,716 | 72.4% | 49.4% |
| Israel | 116,951 | 60.2% | 56.7% |
| Bahrain | 104,319 | 57.0% | 47.4% |
| Mongolia | 100,277 | 57.7% | 42.6% |
| Chile | 99,694 | 57.1% | 42.6% |
| Britain | 98,241 | 59.2% | 39.0% |
| Qatar | 91,818 | 52.8% | 39.1% |
| Hungary | 91,112 | 53.3% | 37.8% |
| U.S. | 89,676 | 50.9% | 41.2% |
| Maldives | 88,414 | 57.4% | 31.0% |
| Uruguay | 84,042 | 53.9% | 30.2% |
| Monaco | 77,069 | 42.4% | 34.7% |
| Iceland | 71,636 | 49.1% | 26.3% |
| Singapore | 69,187 | 39.0% | 30.2% |
| Serbia | 67,218 | 37.0% | 30.2% |
| Saint Kitts and Nevis | 66,566 | 52.2% | 14.4% |
| Canada | 65,237 | 59.2% | 6.0% |
| Germany | 63,489 | 45.5% | 19.6% |
| Bhutan | 63,258 | 63.3% | — |
| Lithuania | 60,850 | 37.8% | 23.0% |
| Belgium | 60,819 | 41.8% | 19.8% |
| Austria | 60,426 | 42.4% | 18.6% |
| Denmark | 60,109 | 37.9% | 22.2% |
| Italy | 59,402 | 40.1% | 20.6% |
| Spain | 58,643 | 39.1% | 20.6% |
| Luxembourg | 57,481 | 37.5% | 20.0% |
| Portugal | 57,409 | 38.3% | 19.1% |
| Switzerland | 56,009 | 35.7% | 20.3% |
| Liechtenstein | 55,975 | 33.0% | 23.0% |
| France | 55,851 | 39.1% | 17.2% |
| Poland | 55,765 | 37.3% | 20.3% |
| Finland | 54,985 | 45.5% | 9.5% |
| Netherlands | 54,755 | 38.2% | 17.5% |

| | | | |
|---------------------|--------|-------|-------|
| Estonia | 54,744 | 36.5% | 18.2% |
| Greece | 54,042 | 35.0% | 20.1% |
| Slovenia | 53,361 | 32.7% | 20.7% |
| Czechia | 51,926 | 37.4% | 14.9% |
| Cyprus | 51,920 | 32.4% | 19.5% |
| Dominica | 51,570 | 27.5% | 24.0% |
| Sweden | 51,503 | 36.6% | 14.9% |
| Antigua and Barbuda | 51,394 | 34.2% | 17.2% |
| China | 50,427 | — | — |
| Norway | 50,402 | 31.0% | 19.4% |
| Slovakia | 48,859 | 32.6% | 16.3% |
| Barbados | 48,493 | 27.4% | 21.1% |
| Ireland | 47,541 | 35.1% | — |
| Andorra | 46,558 | 35.8% | 10.8% |
| Croatia | 45,416 | 32.3% | 13.2% |
| Kuwait | 43,260 | — | — |
| Greenland | 42,527 | 27.6% | 14.9% |
| Saudi Arabia | 42,349 | — | — |
| Dominican Republic | 41,499 | 30.9% | 10.6% |
| Romania | 40,949 | 22.4% | 19.2% |
| Latvia | 40,794 | 26.5% | 15.3% |
| Morocco | 40,071 | 24.3% | 15.8% |
| Montenegro | 35,945 | 21.7% | 14.2% |
| Turkey | 35,547 | 20.3% | 15.3% |
| Guyana | 35,084 | 26.0% | 9.0% |
| Costa Rica | 32,861 | 20.1% | 12.8% |
| Brazil | 32,656 | 22.0% | 10.6% |
| Mauritius | 31,666 | 18.4% | 13.3% |
| El Salvador | 31,229 | 18.1% | 13.1% |
| Cambodia | 28,653 | 16.2% | 12.5% |
| Argentina | 28,486 | 22.1% | 6.4% |
| Albania | 27,340 | 17.1% | 10.3% |
| Panama | 25,433 | 16.5% | 9.0% |
| Mexico | 24,936 | 17.7% | 10.1% |
| Azerbaijan | 23,616 | 14.5% | 9.1% |
| Russia | 20,636 | 11.8% | 8.9% |
| Colombia | 20,626 | 14.0% | 6.6% |

Canada stays in 19th place globally for vaccines given/capita (19th for 5 weeks)



Compare countries by new daily deaths reported per 100k

Deaths

Cases

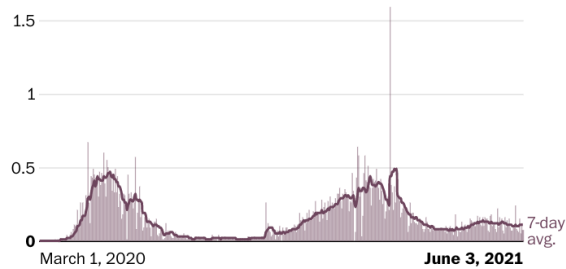
Adj. for population

Totals

Select a country:

Canada

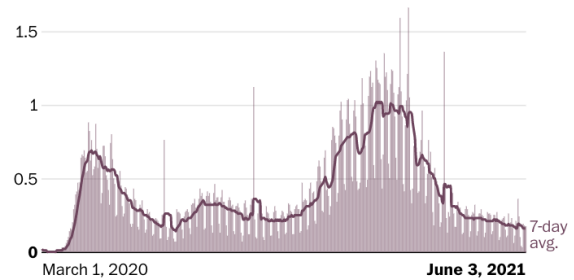
At least 25,616 have been reported since Feb. 29, 2020.



Select a country:

U.S.

At least 595,081 have been reported since Feb. 29, 2020.



Compare countries by new daily reported cases per 100k

Deaths

Cases

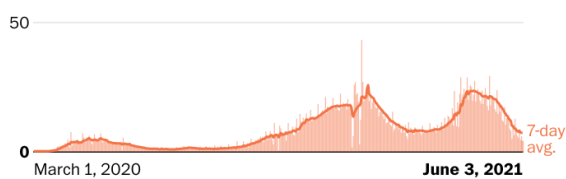
Adj. for population

Totals

Select a country:

Canada

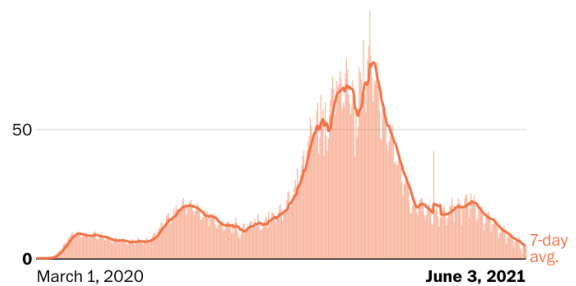
At least 1,394,601 have been reported since Feb. 29, 2020.



Select a country:

U.S.

At least 33,302,993 have been reported since Feb. 29, 2020.



Note: there is likely large under-reporting in India of both cases and deaths.



Source of Canadian Data Below June 2, 2021):
<https://newsinteractives.cbc.ca/coronavirustracker/>

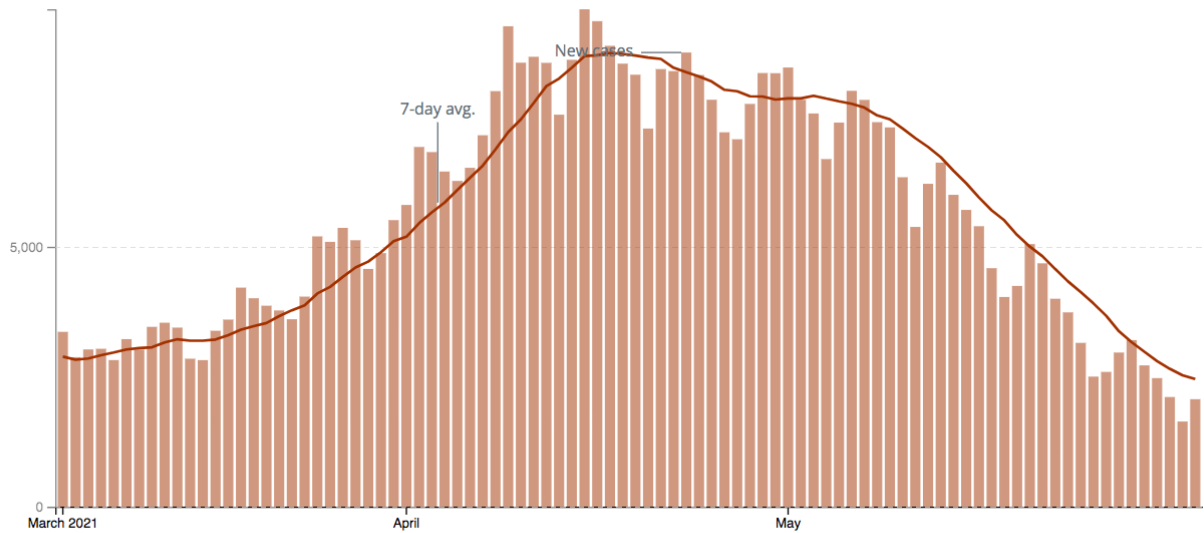
Canada

Cases Deaths Hospitalizations ICU

In Canada 1,385,278 cases have been reported.

90 DAYS

ALL TIME

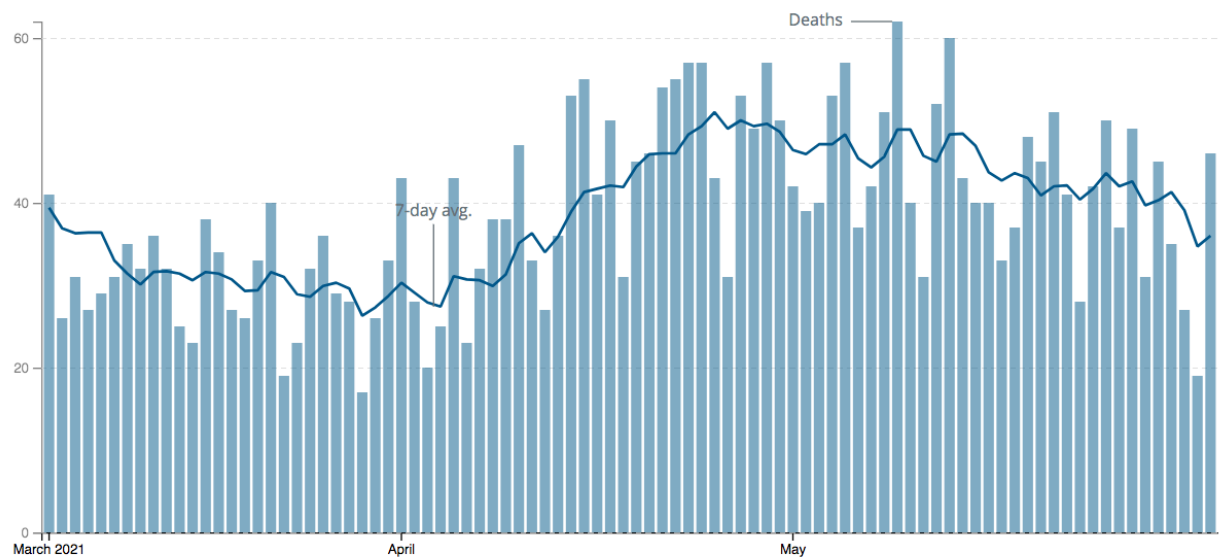


Source: Public Health Agency of Canada.

In Canada 25,611 deaths have been reported.

90 DAYS

ALL TIME



Source: Public Health Agency of Canada.

In Canada there are currently 2,172 people hospitalized.

90 DAYS

ALL TIME

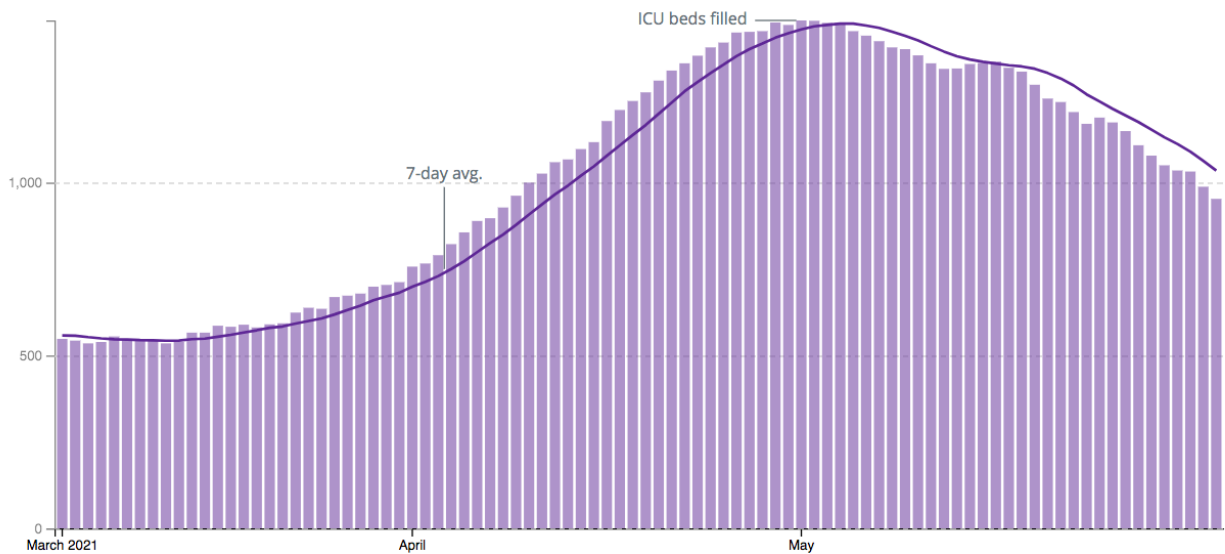


Source: Public Health Agency of Canada.

In Canada there are currently 953 ICU beds filled.

90 DAYS

ALL TIME



Source: Public Health Agency of Canada.

In the past week in Canada...

New cases



There were 17,174 new cases, a decrease of 33 per cent. That's 45.1 cases per 100,000 people.

Active cases



The number of active cases declined 35 per cent.

Deaths



There were 252 deaths, or 0.7 per 100,000 people, a decrease of 14 per cent.

Hospitalizations



Hospitalizations declined 23 per cent and ICU beds filled declined 14 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 | 24,816,858 | 59.08% | 6.13% <div></div> |
| Alberta | 2,841,779 | 54.89% | 9.17% <div></div> |
| British Columbia | 3,365,286 | 61.27% | 4.04% <div></div> |
| Manitoba | 888,981 | 54.90% | 8.99% <div></div> |
| New Brunswick | 499,490 | 58.35% | 5.52% <div></div> |
| Newfoundland and Labrador | 318,558 | 58.68% | 2.53% <div></div> |
| Nova Scotia | 608,488 | 57.64% | 4.48% <div></div> |
| Ontario | 9,493,005 | 58.68% | 5.66% <div></div> |
| Prince Edward Island | 98,628 | 52.79% | 8.92% <div></div> |
| Quebec | 5,808,464 | 62.16% | 5.57% <div></div> |
| Saskatchewan | 754,830 | 55.36% | 8.67% <div></div> |
| Northwest Territories | 53,501 | 65.53% | 53.00% <div></div> |
| Nunavut | 32,509 | 44.01% | 38.49% <div></div> |
| Yukon | 53,339 | 67.05% | 59.37% <div></div> |

Source: CBC News.



Source of Vaccination Data Below (June 3 2021):

<https://www.bloomberg.com/graphics/covid-vaccine-tracker-global-distribution/>

More Than 2.01 Billion Shots Given: Covid-19 Tracker

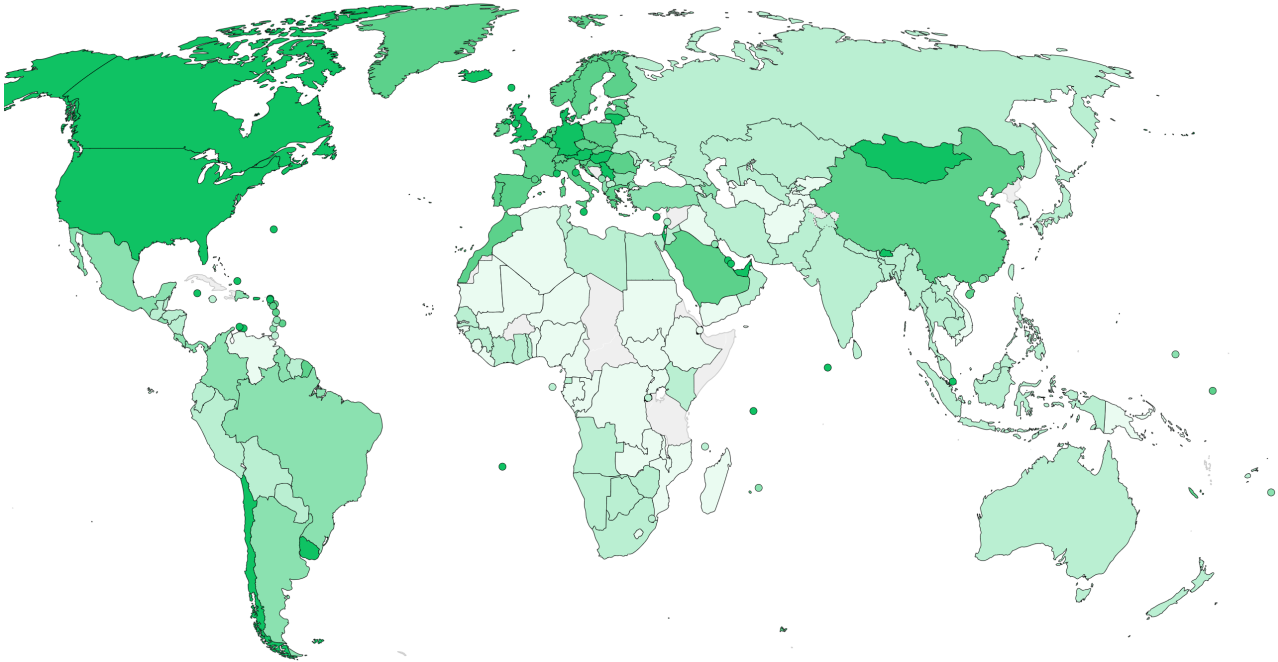
In the U.S., 298 million doses have been administered

Updated: June 3, 2021, 4:59 PM EDT

World Map of Vaccinations

More than 2.01 billion doses have been administered—enough to fully vaccinate 13.2% of the global population

no data 1 10 20 30% of population covered



The biggest vaccination campaign in history is underway. More than **2.01 billion doses** have been administered across 176 countries, according to data collected by Bloomberg. The latest rate was roughly **36.4 million doses a day**.

In the U.S., **298 million doses** have been given so far. In the last week, an average of **999,474 doses per day** were administered.

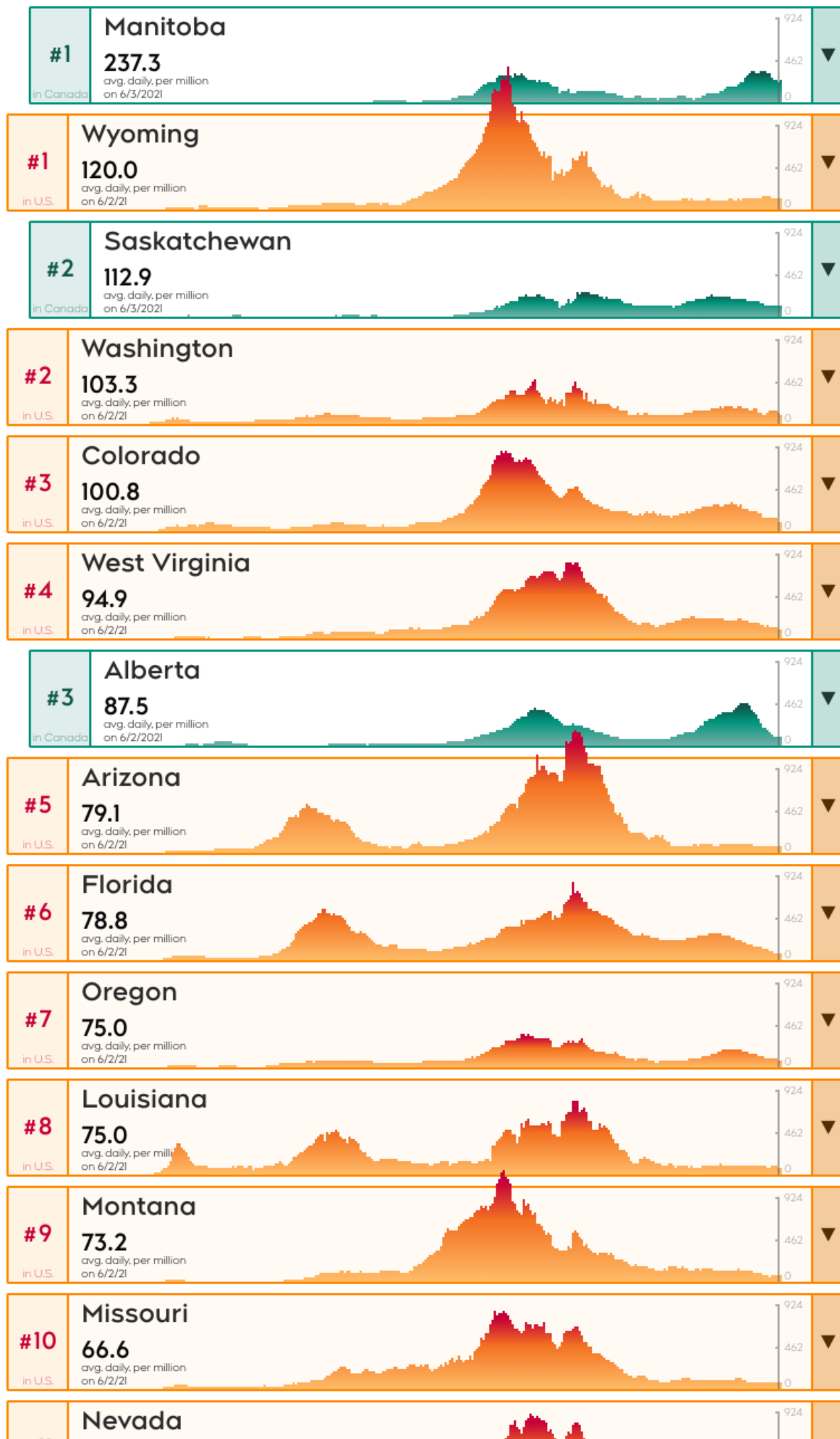


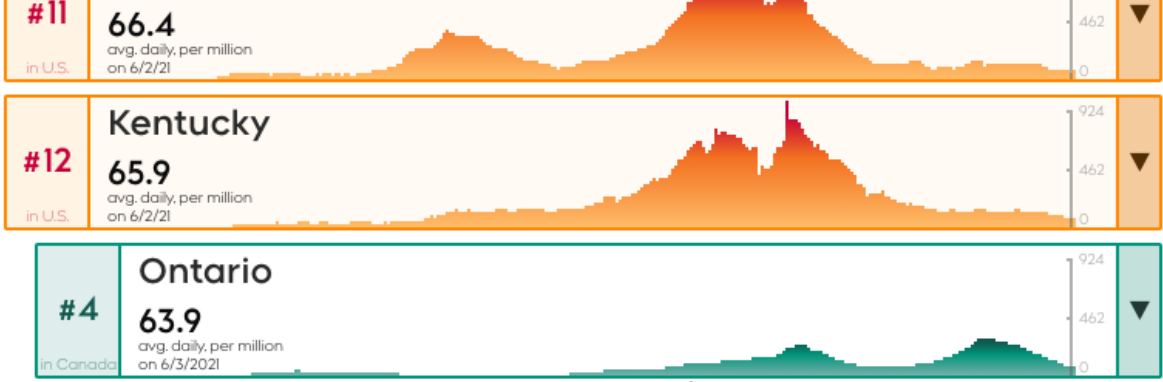
Source of U.S. and Canadian Data Below (June 3, 2021):
<https://www.ctvnews.ca/health/coronavirus/covid-19-curves-compare-canada-and-other-key-nations-1.4881500#link-top>

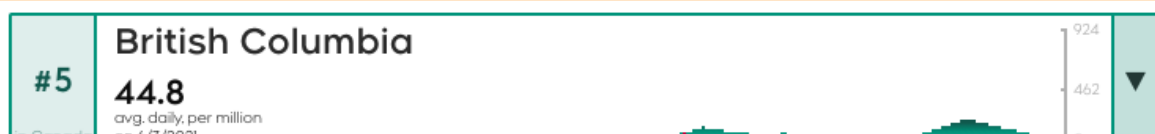
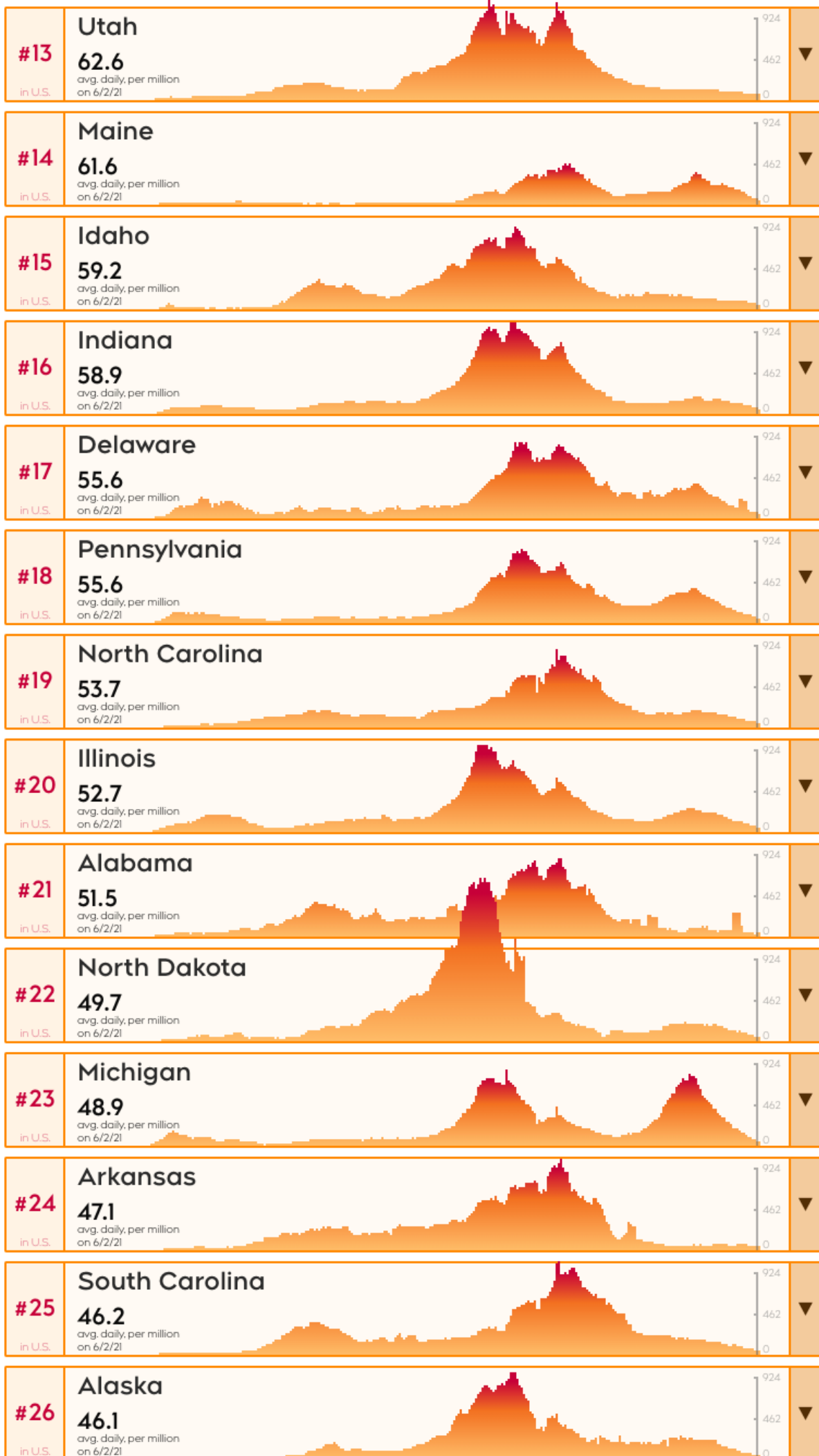
Comparing COVID-19 in states and provinces

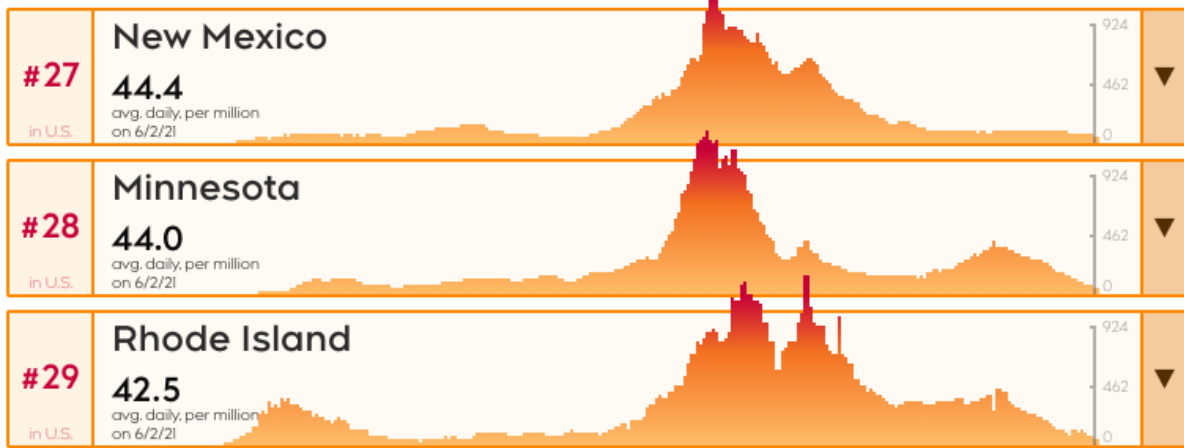
Showing 7-day avg. cases, per million

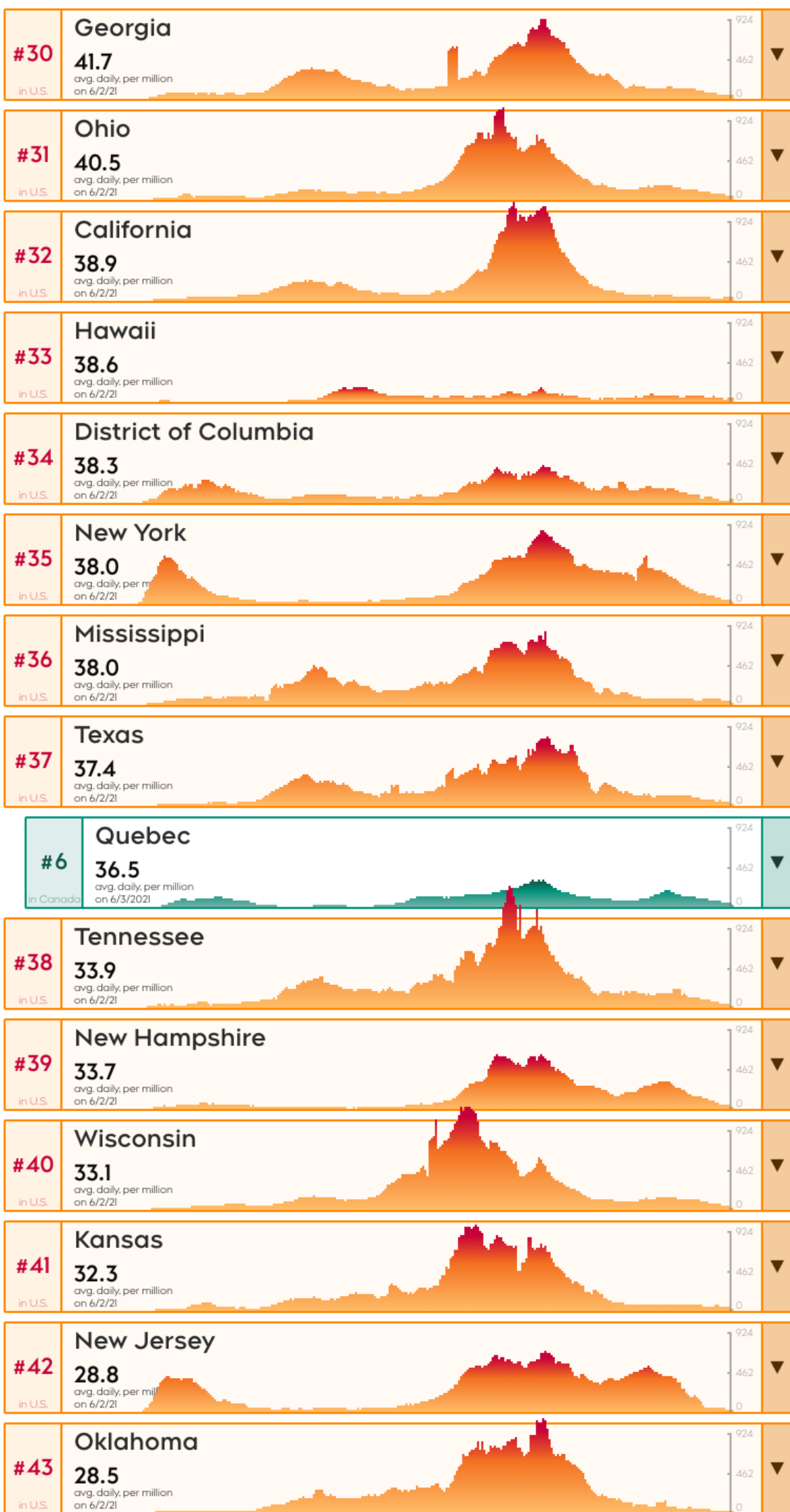
Ranked by highest current cases Scale: all same

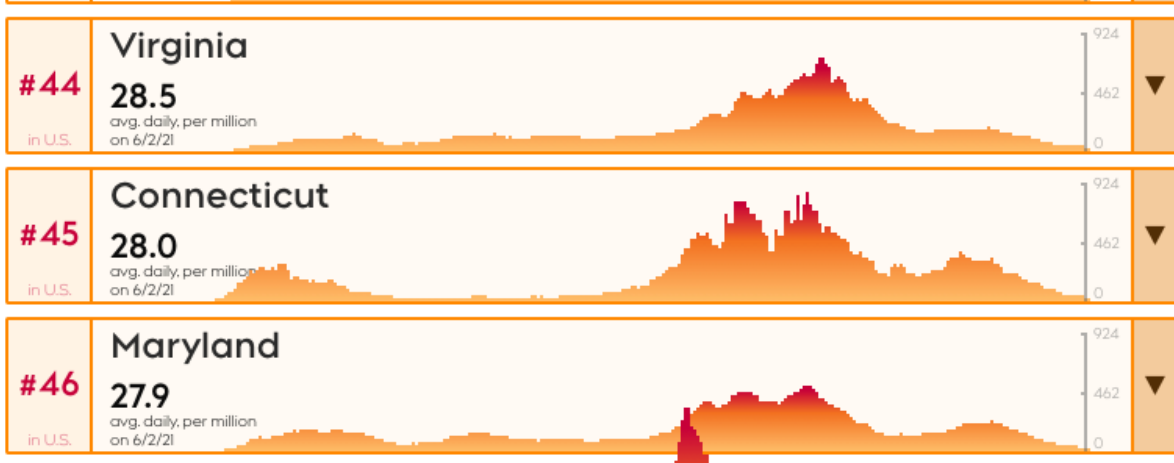


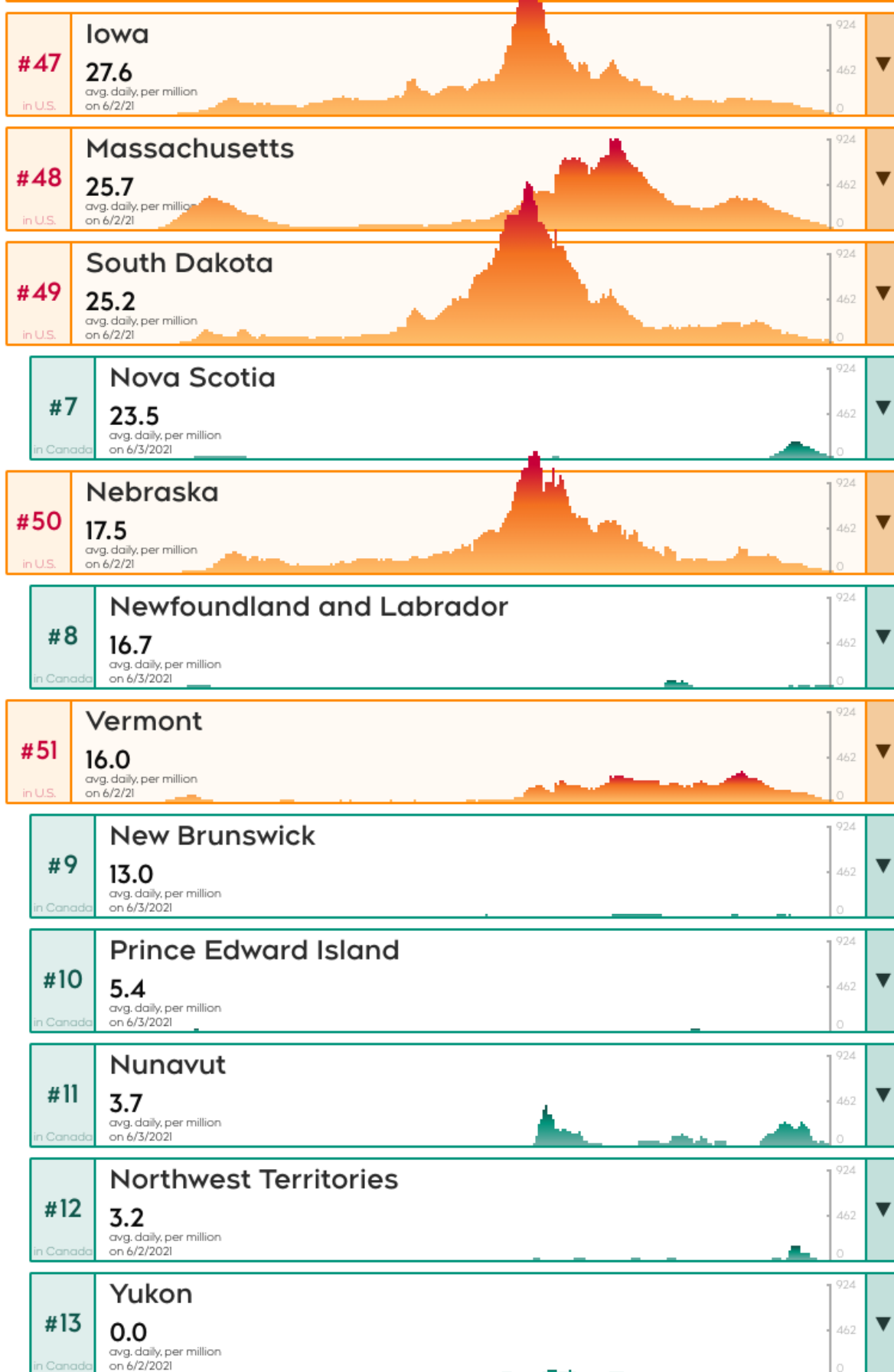






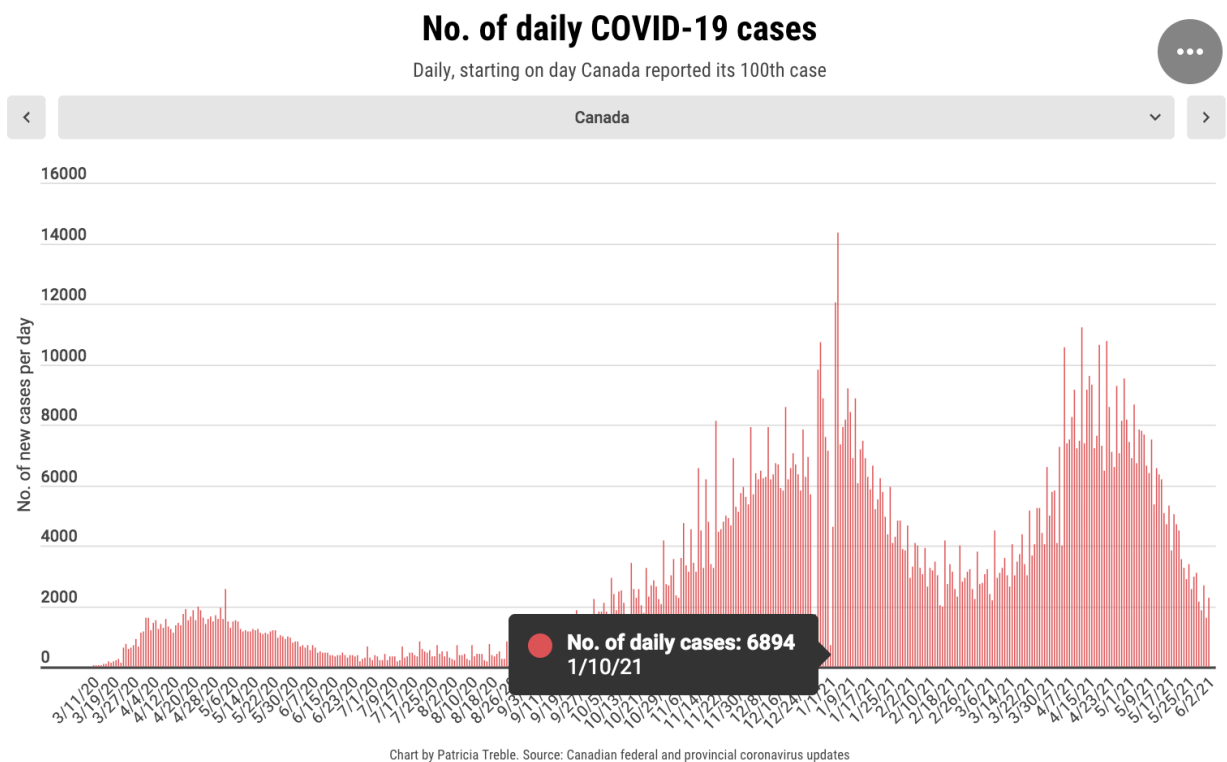








Source of Canadian Data Below (June 3, 2021):
<https://www.macleans.ca/society/health/covid-19-in-canada-how-our-battle-against-the-second-wave-is-going/>



COVID-19 cases in Canada

Cumulative total, starting with day of 100th case

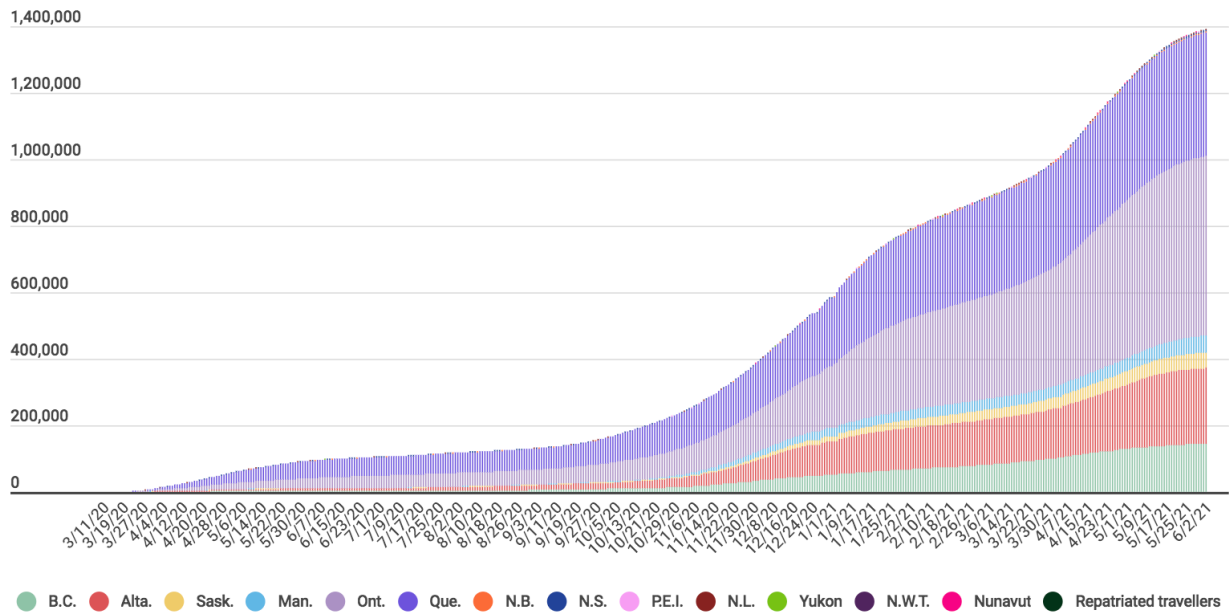


Chart by Patricia Treble and Lauren Cattermole - Source: Canadian federal and provincial coronavirus updates

No. of daily COVID-19 cases

Daily, starting on day Canada reported its 100th case

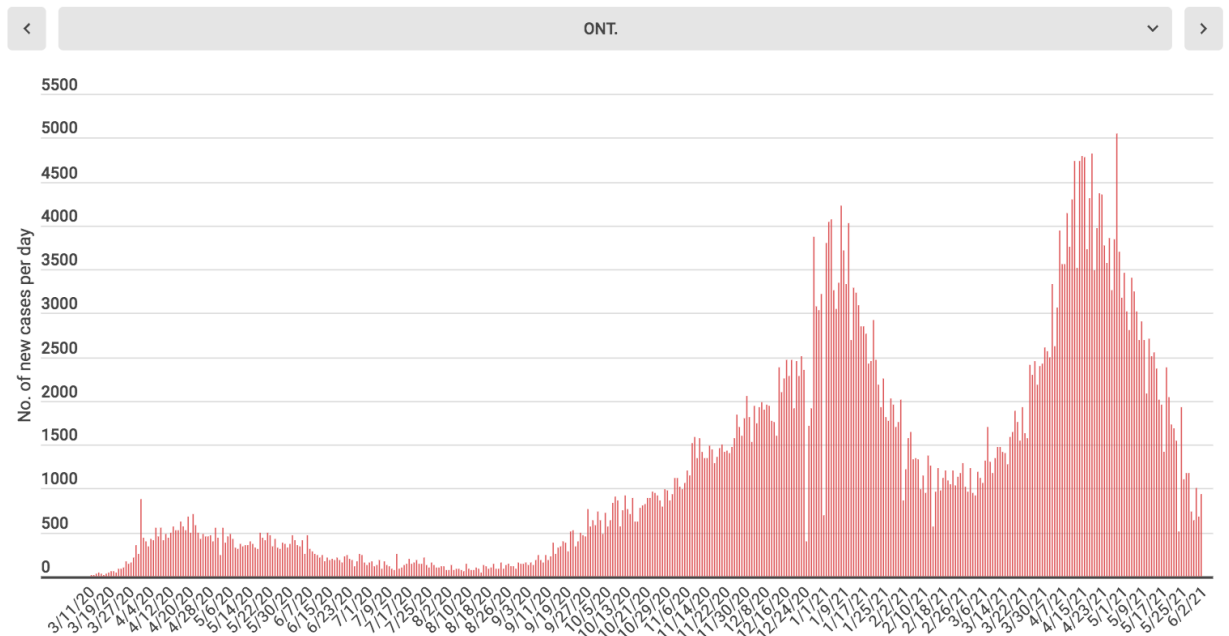
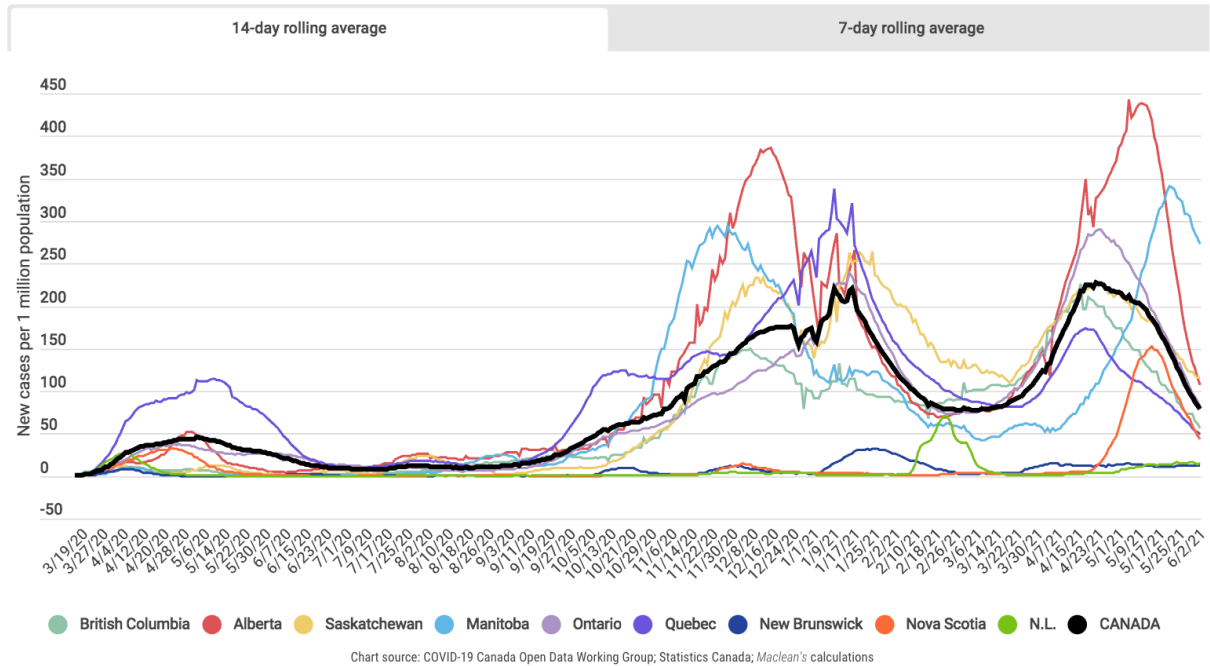


Chart by Patricia Treble. Source: Canadian federal and provincial coronavirus updates

Comparing the daily COVID-19 caseload

Per 1 million population for provinces with 500-plus cases



Counting the doses of COVID-19 vaccines

(past distributions and forecasted allocations of the Moderna and Pfizer vaccines to the provinces and territories, as well as doses administered to date)

| DATE (week of) | Moderna doses | Pfizer doses | AstraZeneca doses | WEEKLY total of doses distributed | CUMULATIVE total of doses distributed | WEEKLY total of doses administered | CUMULATIVE total of doses administered |
|----------------|---------------|--------------|-------------------|-----------------------------------|---------------------------------------|------------------------------------|--|
| Mar. 29 | | 1,195,740 | 1,504,200 | 2,699,940 | 9,536,180 | 1,119,776 | 6,233,533 |
| Apr. 5 | 855,600 | 1,019,070 | 316,800 | 2,191,470 | 11,727,650 | 1,758,194 | 7,991,727 |
| Apr. 12 | | 1,019,070 | | 1,019,070 | 12,746,720 | 1,981,916 | 9,973,643 |
| Apr. 19 | | 1,019,070 | | 1,019,070 | 13,765,790 | 2,071,098 | 12,044,741 |
| Apr. 26 | 650,000 | 1,019,070 | | 1,669,070 | 15,434,860 | 1,780,735 | 13,825,476 |
| May 3 | | 2,022,930 | | 2,022,930 | 17,457,790 | 2,092,079 | 15,917,555 |
| May 10 | 1,046,400 | 2,025,270 | | 3,071,670 | 20,529,460 | 2,497,981 | 18,415,536 |
| May 17 | 1,046,400 | 2,025,270 | 655,200 | 3,726,870 | 24,256,330 | 2,610,271 | 21,025,807 |
| May 24 | | 2,026,440 | | 2,026,440 | 26,282,770 | | |

Note as of May 27: As of May 26, 60.8 per cent of **eligible Canadians 12 and older** (and 66 per cent of adults) have received at least one dose of vaccine as 300,000 doses were administered across the country on that day.



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