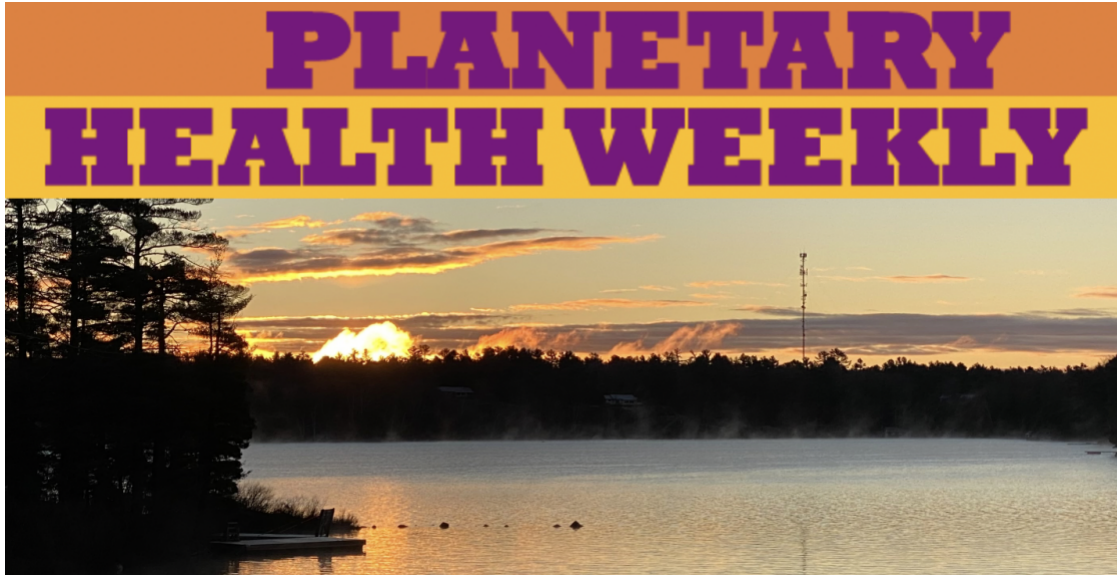


[View in browser](#)

## CURRENT NEWS ON ECOLOGICAL WELLNESS AND GLOBAL HEALTH

**Volume 7, Number 44**    <https://planetaryhealthweekly.com>    **November 4, 2021**

Hi,

There was great discussion this past week in Canada about our new, former activist, environment minister, especially now in the lead up to COP26 that started this week. I hope you are following it, there are many very interesting things taking place every day. And since Canada has been such a laggard and poor environmental performer, especially with respect to fossil fuel extraction and transport (but also forestry) our new guy on the block has a Herculean task ahead of him. Canada both in gross terms and per capita is one of the very worst CO2 emitters in the world, first among the G7 in subsidizing the oil and gas industry, and generally a blow out with a giant rhetorical façade – all talk and little action. Hopefully, we'll hear good news at the conference in Glasgow that will finally put Canada onto a path being demanded by a majority of Canadians. My country has suffered such a decline in international profile and reputation in the last few years. It's my hope that we can again put forward actions that will inspire and be effective. We need new policy, legislation and direction that will unite everyone to make Canada a better place, a better team player, now and in the future. We need the chance again to be proud of our international actions.

I'll be soon on my way to Glasgow and look forward to reporting back on any Canadian achievements (you might remember Canada has been a perennial winner of the 'fossil award' in the past) and those of other countries, leaders and organizations. Now is certainly the time when responsible leadership is needed more than ever. We're not on the eve of a world war, but on the ever endangering eve of continued destruction of Earth's beautiful and wonderful systems of sustainability and diversity. We've done so little in the past and now will hopefully be our time to make good. By being sincere with promises, our government, private sector and all of

us will take meaningful actions, no matter the size, that correct our direction. We have good signals.

Do see below for the many interesting stories today in the ***Planetary Health Weekly*** (#44 of the year), including:

- **FOLLOWING COP26:** What is COP26? Here's how global climate negotiations work and what's expected from the Glasgow summit,
  - Past last call: public finance institutions are still bankrolling fossil fuels,
  - President Xi declares end to Chinese support for new coal power abroad,
  - Unextractable fossil fuels in a 1.5C world,
  - Lessons from Zimbabwe's tobacco farmers for the COP26 climate change talks,
  - Oil executives deny spreading disinformation about climate change,
  - Catholic bishops in the US largely ignore the Pope's concern about climate change,
  - Pre-COP26 appeal: action needed to heal our wounded humanity,
  - China's carbon neutral goal: can it really kick its coal addiction to achieve its 2060 target? and
  - Biden plan pledges 'largest effort to combat climate change in US history,' then
- **CORONAVIRUS UPDATES:** 'Molecularly impossible': Fauci blasts Rand Paul for Covid lab theory,
  - WHO unveils new 26-member panel to restart study of the pandemic's origins,
  - A cancer survivor had the longest documented Covid-19 infection – here's what scientists learned,
  - Costa Rica's coronavirus measures for November 2021,
  - Seeking Covid vaccines – Nicaraguans cross into Honduras,
  - South Korea to donate 1.1 mln doses of AZ Covid-19 vaccine to Vietnam, 470,000 doses to Thailand, THEN
- How many climate disasters will today's children face?
- Global farm subsidies drive emissions and undermine food system change,
- Rampant poaching forces elephants to evolve to not have tusks,
- Over 100+ groups urge global investors to stop financing,
- Coastal GasLink and LNG Canada,
- 30 years polio-free: how the America's global health milestone can help end polio for good,
- World's most powerful tidal turbine has started...
- It's time for leaders to tackle another deadly viral disease,
- Climate change leaves migrants vulnerable to slavery and human trafficking,



- Canada's connectivity gap leaving rural, remote and Indigenous communities further behind,
- Quote on climate change action by the head of the Rocky Mountain Institute,
- Gamers Without Borders event points to promise of gaming for charity,
- How online conspiracy groups compare to cults (short video),
- Harry has a point (about the ongoing oil drilling in Kavango East, Namibia by Canadian company ReconAfrica),
- Anti-fracking evidence collides with local culture for Appalachia residents,
- New book by John Doerr with Ryan Panchadsaram: "Speed & Scale: An Action Plan for Solving Our Climate Crisis,"
- Is Western academia keeping up with Asia's rise? and lastly ENDSHOTS of A Still Beautiful But Cooling Autumn along Highway 632, south of Rosseau, Ontario amid the latest Covid-19 stats and charts from Canada and around the World.

Please keep reading. Until next week from Glasgow. Best, david

David Zakus, Editor and Publisher

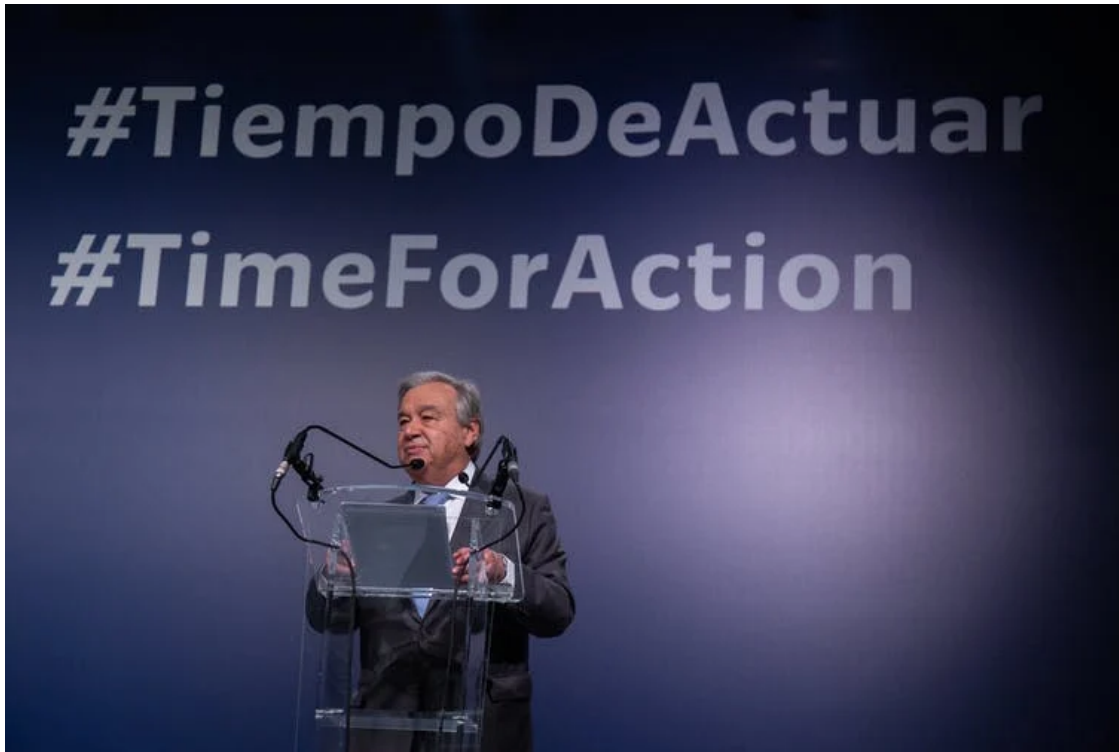


**Birthday Sunrise at Whitefish Lake, Seguin, Ontario  
November 4, 2021**

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## ON THE ROAD TO COP26 IN GLASGOW

# What is COP26? Here's how Global Climate Negotiations Work and What's Expected from the Glasgow Summit



Credit: U.N. Secretary-General António Guterres called the latest climate science findings a 'code red for humanity.' [UNFCCC](#)

Over two weeks in November, world leaders and national negotiators will meet in Scotland to discuss what to do about climate change. It's a complex process that can be hard to make sense of from the outside, but it's how international law and institutions help solve problems that no single country can fix on its own.

I worked for the United Nations for several years as a law and policy adviser and have been involved in international negotiations. Here's what's happening behind closed doors and why people are concerned that COP26 might not meet its goals. **Read more at [the Guardian](#).**

## READ MORE CLIMATE CRISIS STORIES:

**At Price of Oil:** [Past Last Call: G20 public finance institutions are still bankrolling fossil fuels](#)

**At The Climate Change News:** [President Xi Declares End to Chinese Support for New Coal Power Abroad](#)

**At Yahoo:** [Unextractable Fossil Fuels in a 1.5 °C World](#)

**At All Africa:** [Lessons From Zimbabwe's Tobacco Farmers for the Cop26 Climate Change Talks](#)

**At The Globe and Mail:** [Oil Executives Deny Spreading Disinformation about Climate Change](#)

**At Inside Climate News:** [Catholic Bishops in the US Largely Ignore the Pope's Concern About Climate Change, a New Study Finds](#)

**At Vatican News:** [Pre-COP26 Appeal: Action Needed to Heal our Wounded Humanity](#)

Early in October, Francis [led](#) 40 top global religious leaders representing Christian and Muslim communities, Judaism, Hinduism, Sikhism, Buddhism and other faiths in signing an urgent appeal to send to the participants of COP26.

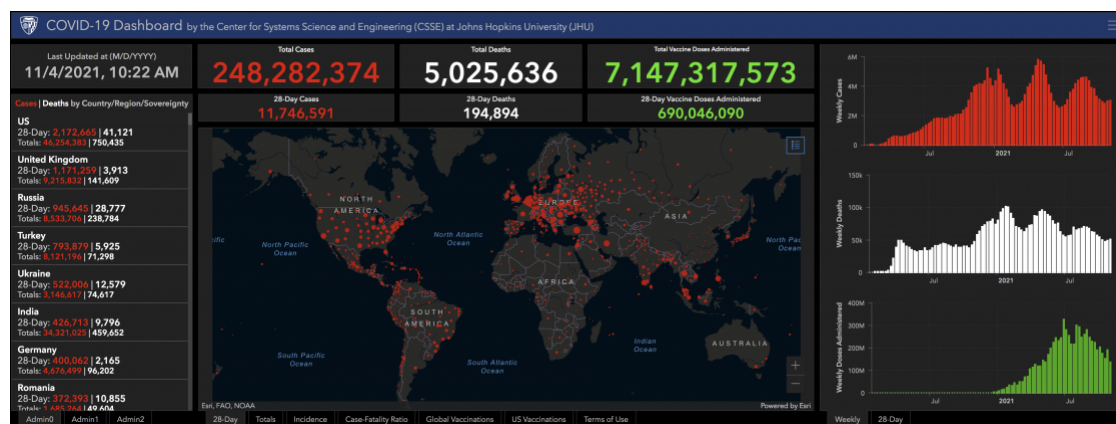
**At SCMP:** [China's Carbon Neutral Goal: Can it Really Kick its Coal Addiction to Achieve its 2060 Target?](#)

**At The Guardian:** [Biden Plan Pledges 'Largest Effort to Combat Climate Change in US History'](#)

"We are going to get off the sidelines of manufacturing solar panels and wind farms," the president said, adding that the budget package will help double the number of electric cars on US roads within three years and provide 500,000 new charging stations for the vehicles. "We are once again going to be the innovators. It's a big deal."

"The weather is not going to get better, it's going to get a heck of a lot worse," Biden continued. "It's a blinking code red for America and the world."

## SARS-CoV-2 & COVID-19 UPDATES



Source: Johns Hopkins University <https://coronavirus.jhu.edu/ma...>

*Globally, as almost since the very beginning, the situation continues very serious in many countries, especially those*

*in central east Europe and the UK. It's somewhat better in Canada this week.*

*Over the last week there were about 3 million new cases and 48,000 deaths (both about the same). About 200 million people received a vaccine (down slightly), or an average of some 30 million doses per day - impressive. In the USA more than 1 million are getting vaccinated each day. At this rate the world will need another 5 months to achieve 75% coverage, though distribution continues to be grossly distorted, favouring the rich countries.*

*(See 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

## Molecularly Impossible': Fauci Blasts Rand Paul for Covid Lab Theory



Credit: NurPhoto/Getty Images

Sen. [Rand Paul](#) (R-Ky.) has been a thorn in the side of Dr. [Anthony Fauci](#), the nation's top epidemiologist, as Paul has insisted that [Covid](#)-19 was created from a lab in Wuhan, China, despite not having definitive proof. But Fauci is [steadfast in his denial](#) that the National Institutes of Health knowingly funded gain-of-function research on viruses that could have created Covid-19, telling George Stephanopoulos on Sunday,



"It is molecularly impossible for those viruses that were worked on to turn into" Covid-19. **Read more at [Yahoo.com](https://www.yahoo.com).**

## READ MORE COVID-19 STORIES:

**At Science:** [WHO Unveils New 26-member Panel to Restart Study of the Pandemic's Origins](#)

**At Science:** [A Cancer Survivor had the Longest Documented COVID-19 Infection. Here's What Scientists Learned](#)

**At TicoTimes:** [Costa Rica's Coronavirus Measures for November 2021](#)

**At Reuters:** [South Korea to Donate 1.1 mln Doses of AstraZeneca COVID-19 Vaccine to Vietnam, 470,000 Doses to Thailand](#)

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## How Many Climate Disasters Will Today's Children Face? Scientists Release Estimate



*Children will, on average, suffer seven times more heat waves and nearly three times more droughts, floods and crop failures due to fast-accelerating climate change, a new report finds. Credit: Yiannis Kourtoglou/Reuters*

Children around the world will face a sharp jump in heat waves, floods and droughts in their lives compared to their grandparents, with teenagers from Nepal to Australia urging leaders not to turn a blind eye. Children will, on average, suffer seven times more heat waves and nearly three times more droughts, floods and crop failures due

to fast-accelerating climate change, found a new report from aid agency Save the Children.

Those in low- and middle-income countries will bear the brunt, with Afghan children likely to endure up to 18 times as many heat waves as their elders, and children in Mali likely to live through up to 10 times more crop failures.

"People are suffering, we shouldn't turn a blind eye... Climate change is the biggest crisis of this era," said Anuska, 15, sharing her experience of more heat waves, intense rain and crop losses in her country, Nepal. **Read more at [CBC](#)**

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## Global Farm Subsidies Drive Emissions, Undermine Food System Change



Credit: theenergymix

Despite research showing that industrial meat production generates staggering volumes of greenhouse gas emissions, a new report reveals that almost all global farm subsidies support the most damaging producers and undermine efforts to transform the food system. **Read more at [The Energy Mix](#).**

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## Rampant Poaching Forces Elephants to Evolve to Not Have Tusks, Study Finds





A MATRIARCH IN GORONGOSA NATIONAL PARK IN MOZAMBIQUE. Credit: Vice News

Elephants in Mozambique are evolving away from having tusks due to pressure from rampant poaching over decades, according to a daunting new study.

Published in the journal *Science*, the report from researchers across departments at Princeton University, the non-profit ElephantVoices, Gorongosa National Park in Mozambique, and the University of Idaho, analyzed survey data that suggests natural selection has favoured tusklessness in female elephants—a rare genetic trait that has become more common—amid high rates of poaching and population decline. **Read more at [Vice News](#)**

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## Over 100+ Groups Urge Global Investors to Stop Financing Coastal GasLink and LNG Canada



## A CALL TO ACTION FOR THE HEALTH OF OUR COMMUNITIES AND NATURE IN THE CLIMATE CRISIS

Credit: WECAN (Women's Earth & Climate Action Network, International)

The Coastal GasLink pipeline violates Wet'suwet'en rights and title, and lacks consent of Wet'suwet'en Nation hereditary chiefs. The 37 investors and banks targeted by the campaign include Canada's Big 5 Banks, which last month issued statements committing to justice for Indigenous peoples. RBC sponsored Truth and Reconciliation Week, which included broadcast programs on the Truth and Reconciliation Commission's calls to action. One of these calls is for corporations to commit to meaningful consultation and building respectful relationships with Indigenous peoples before proceeding with economic development projects. Against the backdrop of the banks' recent public commitments to reconciliation, the banks' hypocrisy in financing Coastal GasLink is especially striking. **Read more at [Stand.Earth](#)**

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### GOOD NEWS

## 30 YEARS POLIO-FREE: HOW THE AMERICAS' GLOBAL HEALTH MILESTONE CAN HELP END POLIO FOR GOOD



*Dr. Roger Zapata greets Luis Fermin Tenorio Cortez, who was the last child in the Americas to suffer from polio. Credit: Armando Waak-PAHO/WHO*

In August 1991, health officials in Peru received notice of a suspected case of polio in the small Andean region of Pichanaki. Immediately, a team led by Dr. Roger Zapata set out on the arduous 10-hour journey through mountainous terrain to investigate the case that would become known as the “[first last case of polio](#)” — the very last case of wild poliovirus in the Western Hemisphere. **Read more at [UN Foundation](#).**

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## MORE GOOD NEWS

# ‘World’s Most Powerful Tidal Turbine’ has Started...





Credit: PATH Global Health/Flickr

The tidal turbine energy sector is in its infancy, but some innovators are making headway with their recent developments. Orbital Marine Power, a Scotland-based company, has deployed a tidal turbine in an archipelago north of Scotland's mainland and has begun exporting power to the local electricity grid.

Orbital's energy-generating vessel is a floating platform that is moored by anchors in a water body with powerful tides or currents. Once the ideal location has been reached, two 'legs' with rotors at the end of them stretch out and start spinning as the water flows through. Electricity then flows from the turbine through cables on the seabed and into the local onshore electricity network. **Read more at [the Weather Network](#).**

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## OPINION

# It's Time for Leaders to Tackle Another Deadly Viral Disease



*Local husbandry and veterinary bureau workers disinfect a pig farm as a prevention measure for African swine fever in Jinhua, Zhejiang province, China. Credit: Stringer / Reuters*

This year marks 10 years since the world last [eradicated a disease](#) in its entirety. Rinderpest, an infectious disease that killed millions of livestock throughout the world for centuries, remains only the second disease to be totally wiped out since smallpox in 1980.

Lessons from the eradication of rinderpest offer us a glimpse of what is possible when global partners band together for a single cause. In the case of rinderpest, cooperation resulted in the eradication of a disease that was at least [2,000 years old](#).  
**Read more at [Devex](#).**

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## SPOTLIGHT ON POLICY

# Climate Change Leaves Migrants Vulnerable to Slavery, Human Trafficking



Credit: Gémes Sándor/SzomSzed/Wikimedia Commons

*This story includes details about the impacts of climate change that may be difficult for some readers. If you are feeling overwhelmed by this crisis situation [here is a list of resources](#) on how to cope with fears and feelings about the scope and pace of the climate crisis.*

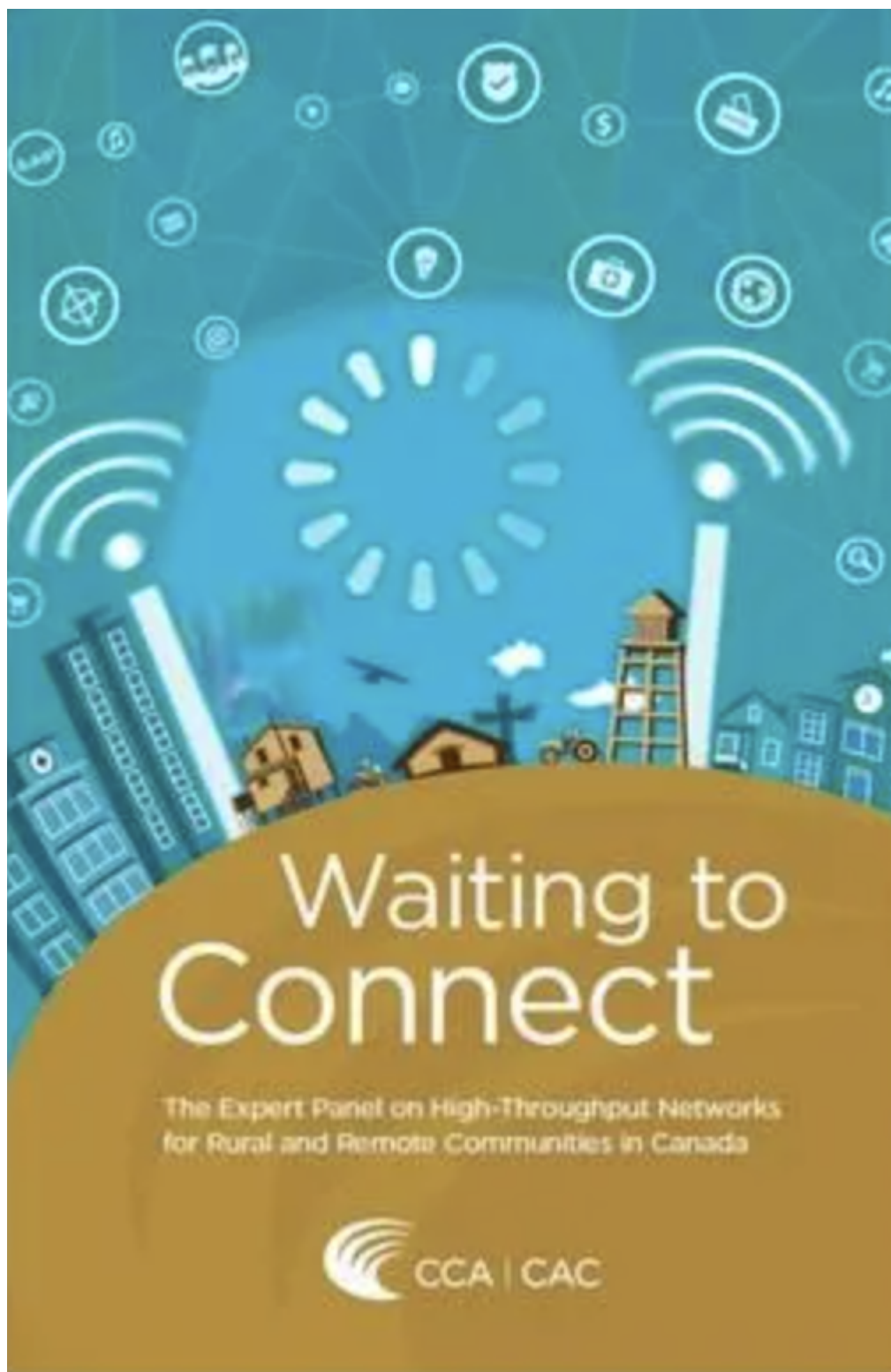
A new report shows that climate change is creating new opportunities for perpetrators of slavery and human trafficking, further threatening the 216 million people forced to migrate from regions affected by climate change in the coming decades. **Read more at [the Energy Mix](#).**

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## SPOTLIGHT ON INDIGENOUS WELLNESS

# Canada's Connectivity Gap Leaving Rural, Remote, and Indigenous Communities Further Behind: New Report





**"Waiting to Connect. The Expert Panel on High-Throughput Networks for Rural and Remote Communities in Canada." Credit: CNW Group/Council of Canadian Academies**

Many people in rural and remote regions of Canada are still unable to access essential services online and struggle to thrive in an increasingly connected economy, according to a new expert panel report from the Council of Canadian Academies (CCA). Incremental policy approaches have failed to close the connectivity gap, and the barriers to achieving equitable connectivity will not be overcome with technology alone.

Waiting to Connect examines the non-technical issues that led to the connectivity gap, the barriers that persist, and the practices and principles that can guide the journey to equitable connectivity. **Read more at [Nation Talk](#).**

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## Quote Of The Week



Credit: AP

**“With the world already suffering from climate-driven extreme weather events, a rapid clean-energy transition also has the virtue of being the safest route ahead. If we fail at this historic task, we risk not only wasting trillions of dollars but also pushing civilisation**

**further down a dangerous and potentially catastrophic path of climate change.**

**We now face what may be our last chance to correct for decades of missed opportunities. Either we will continue to waste trillions more on a system that is killing us, or we will move rapidly to the cheaper, cleaner, more advanced energy solutions of the future.**

**But the results are clear: bad predictions have underwritten trillions of dollars of investment in energy infrastructure that is not only more expensive but also more damaging to human society and all life on the planet.**

**We must not allow any further delay. As we approach COP26, it is essential that world leaders understand that we already have cleaner, cheaper energy solutions ready to deploy now.**

**Hitting our 1.5 degrees target is not about making sacrifices; it is about seizing opportunities. If we get to work now, we can save trillions of dollars and avert the climate devastation that otherwise will be visited upon our children and grandchildren."**

**Jules Kortenhorst, CEO of Rocky Mountain Institute**

Read more at the SCMP

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## Upcoming Events

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- October 31 - November 12, 2021: [2020/2021 UN Climate Change Conference](#) UNFCCC COP26 - Postponed in 2020 and now in progress (Glasgow, Scotland).
- November 11, 2021: [Evidenced Based Research Being Carried Out in Low and Middle Income Countries](#) ADAPT will host their second online conference for Physios in Global Health.
- Registration closes Nov 19, 2021: [Executive Course on Global Health Diplomacy, 2022. Dalla Lana School of Public Health, University of Toronto](#)
- March 28th-April 1st, 2022: Healthy People, Healthy Planet, Social Justice. (Virtual Satellite Sessions: March 21st-25th, 2022)

- April 1-3, 2022: CUGH 2022 Global Health Conference-Hybrid: [Healthy People, Healthy Planet, Social Justice](#) (Los Angeles, California). Virtual Satellite Sessions: March 21-25, 2022; In-person Satellite Sessions: March 31, 2022
- April 23 - 25, 2022: 8th International Conference on Information and Communication Technologies for Ageing Well and e-Health
- October 31 - November 4, 2022: [7th Global Symposium on Health Systems Research \(Bogotá, Colombia\)](#)

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## FYI#1 SPOTLIGHT ON MEDIA

# Gamers Without Borders Event Points to Promise of Gaming for Charity



*Gamers Without Borders is bringing together top esports athletes and teams in head-to-head matches to support global vaccine distribution. Credit: [RODNAE Productions](#) from [Pexels](#)*

By day, Drew Reyes-Schroeder is director of digital operations at [Direct Relief](#), an emergency medical assistance and disaster relief organization.

But in video game circles, he's known as [romscout](#) and specializes in "speedrunning," or completing games as fast as possible, often for a virtual audience from among his 30,000-plus followers on livestreaming platform Twitch.

His two worlds converged this summer as he helped manage Direct Relief's partnership with [Gamers Without Borders](#), which bills itself as the world's largest charity event for esports and gaming.

Now in its second year, Gamers Without Borders is bringing together top esports athletes and teams in head-to-head matches to support global vaccine distribution, with viewers in different parts of the world watching on Twitch and YouTube. They are competing for a share of the \$10 million charity prize fund, and winners can select whether to support Direct Relief; [UNICEF](#); [Gavi, the Vaccine Alliance](#); or [International Medical Corps](#).

Read more at Devex

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## FYI #2

# How Online Conspiracy Groups Compare to Cults (9 minute video)





*Credit: Big Blue Pacific/YouTube*

Dr. Janja Lalich, a sociologist who was formerly a part of a left-wing cult, talks about the cult-like nature of many online conspiracy theory groups. Dr. Lalich explains how people get caught up in groups like this, and what can be done to help those who have fallen further and further down the rabbit hole.

[Read more at Wired](#)

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### FYI #3

## Harry Has a Point (About the Ongoing Oil Drilling in Kavango)



# East, Namibia by Canadian company ReconAfrica)



**PRINCE HARRY'S comments about the ongoing oil drilling in the Kavango was received with mixed reactions from the Namibian public.**

Harry added his concerns to the operations of Canadian company ReconAfrica, which is drilling for oil in Kavango East. "Some things in life are best left undisturbed to carry out their purpose as a natural benefit. This is one of them," Harry said in an opinion piece published in the Washington Post.

[Read more at Namibian](#)

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**FYI #4**

# Anti-Fracking Evidence Collides With Local Culture for Appalachia Residents



**Credit: Ruhrfisch/Wikimedia Commons**

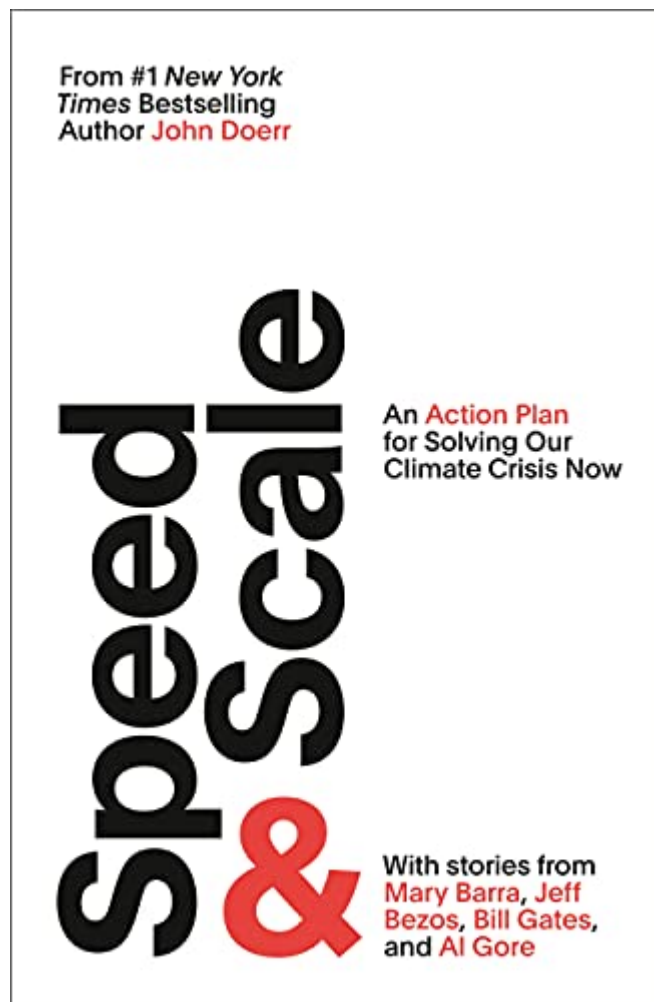
Residents of small-town Appalachia have been forced to weigh their concerns about methane in their drinking water against a desire to protect a culture of co-operation, self-reliance, and sovereignty, a U.S. author says.

After spending time with a Hughesville, Pennsylvania, family who had refused to go public about their neighbourhood's poisoned water, environmental sociologist Colin Jerolmack realized their choice to stay quiet "wasn't about what was in it for them. It was about defending their community," he writes in a summary of his latest book, *Up to Heaven and Down to Hell: Fracking, Freedom, and Community in an American Town*, for The New York Times.

[Read more at The Energy Mix](#)

## **FYI #5: EARLY NOVEMBER READING - NEW BOOK**

### **“Speed & Scale: An Action Plan for Solving Our Climate Crisis” by John Doerr (Author) and Ryan Panchadsaram (Contributor)**



Credit: Book Cover

**#1 bestselling author and acclaimed venture capitalist John Doerr reveals a sweeping action plan to conquer humanity's greatest challenge: climate change.**

In 2006, John Doerr was moved by Al Gore's *An Inconvenient Truth* and a challenge from his teenage daughter: "Dad, your generation created this problem. You better fix it." Since then, Doerr has searched for solutions to this existential problem—as an investor, an advocate, and a philanthropist.

Fifteen years later, despite breakthroughs in batteries, electric vehicles, plant-based proteins, and solar and wind power, global warming continues to get worse. Its impact is all around us: droughts, floods, wildfires, the melting of the polar ice caps. Our world is squarely in a climate crisis and on the brink of a climate disaster.

[Read more at Amazon](#)

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## **FYI#6: SPOTLIGHT ON EDUCATION**

# **Is Western Academia Keeping Up with Asia's Rise?**



Credit: Source: Getty

In the third decade of the so-called Asian century, European and North American universities and governments continue to neglect the world's most populous continent. As Asia grows ever more powerful, this must change, Western scholars say.

Read More at Times Higher Education

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## ENDSHOTS

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***A STILL BEAUTIFUL BUT COOLING AUTUMN***  
***HIGHWAY 632, SOUTH OF ROSSEAU, ONTARIO***

***NOVEMBER 1, 2021***

***Amid Latest World and Canadian COVID-19 Stats & Charts***







## COVID-19 CORONAVIRUS PANDEMIC

Last updated: November 04, 2021, 14:45 GMT

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

# Coronavirus Cases:

# 249,035,981

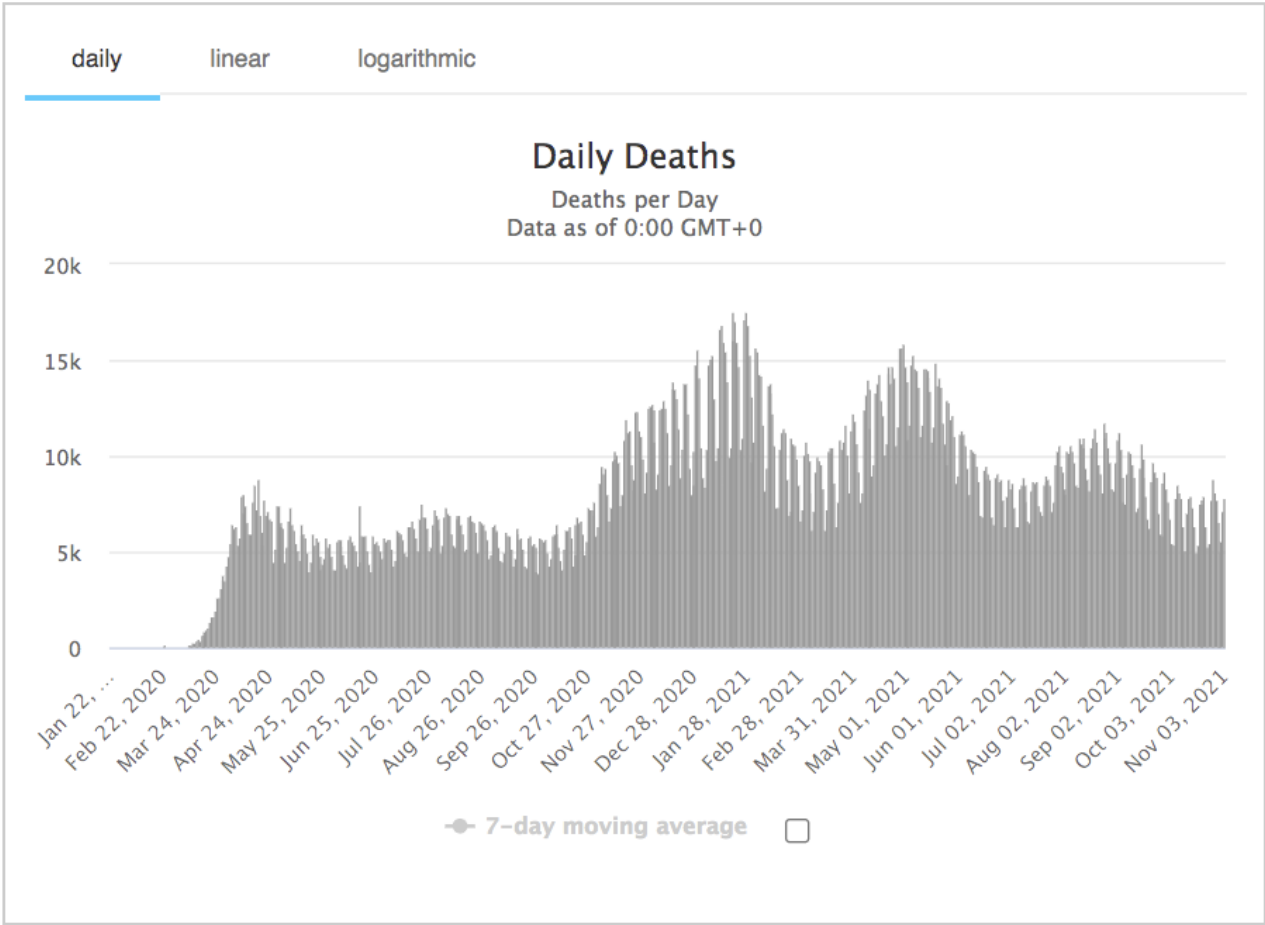
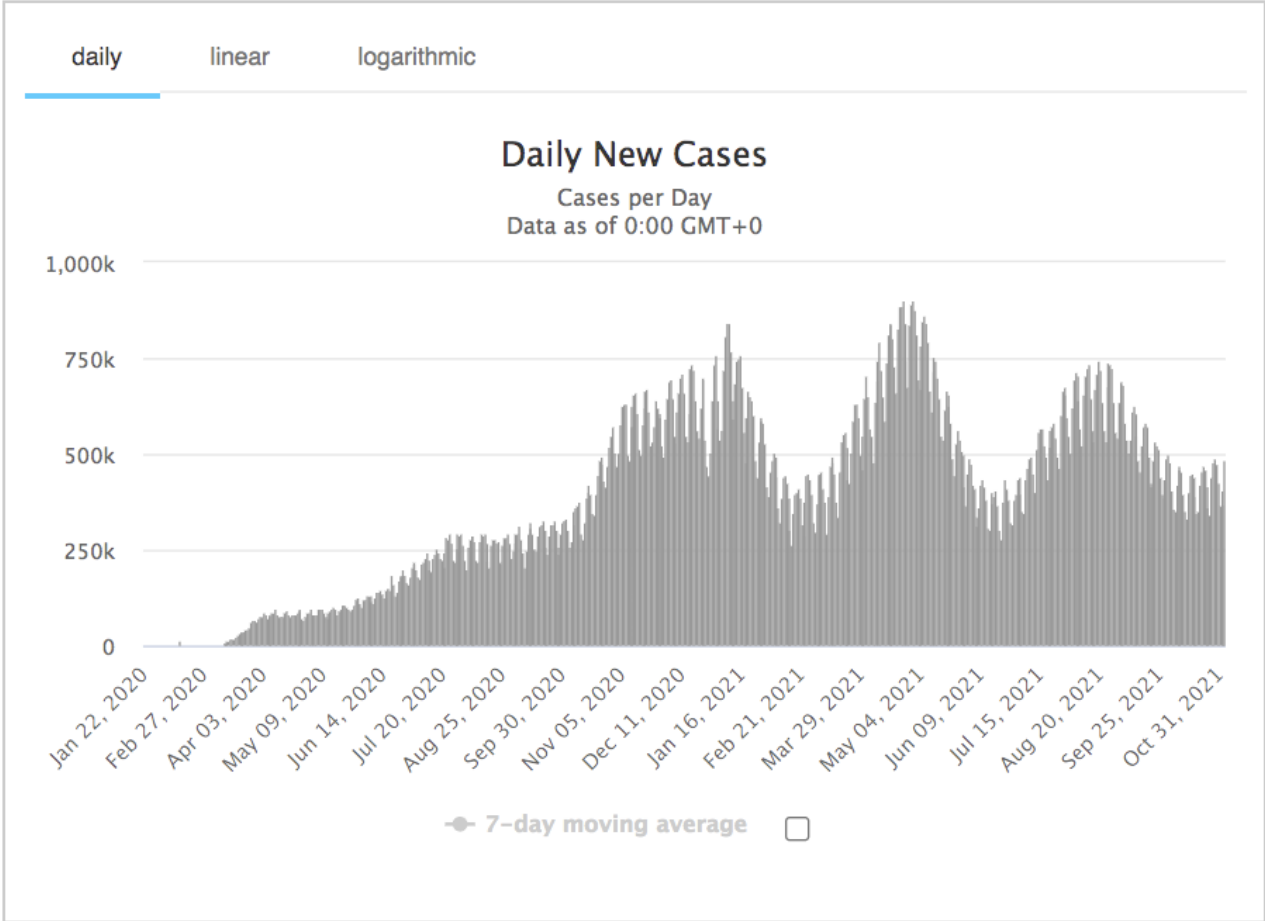
[view by country](#)

# Deaths:

# 5,040,922

# Recovered:

# 225,585,599



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



**COVID-19 CASES, DEATHS & VACCINATIONS (November 4, 2021) below:**  
**Source:**[https://www.washingtonpost.com/graphics/2020/world/mapping-spread-new-coronavirus/?itid=sf\\_coronavirus](https://www.washingtonpost.com/graphics/2020/world/mapping-spread-new-coronavirus/?itid=sf_coronavirus)

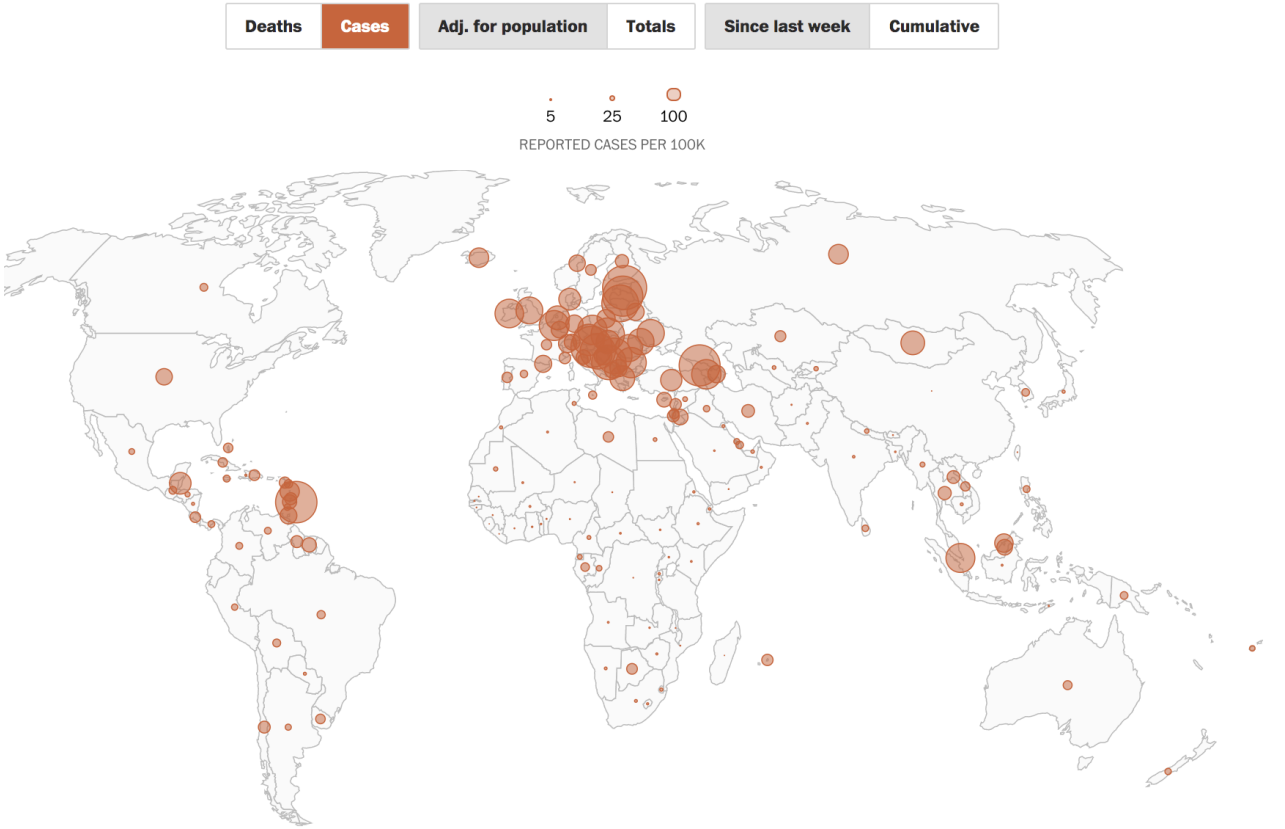
**More than**  
**5,021,000**  
**people have died from**  
**the coronavirus worldwide**

More than **248 million** cases have been reported.



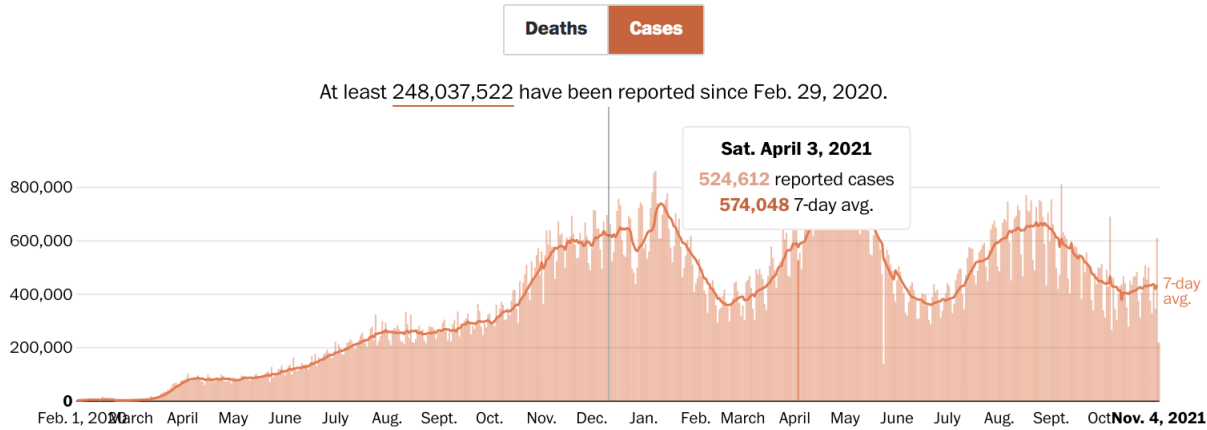


Where the virus is surging

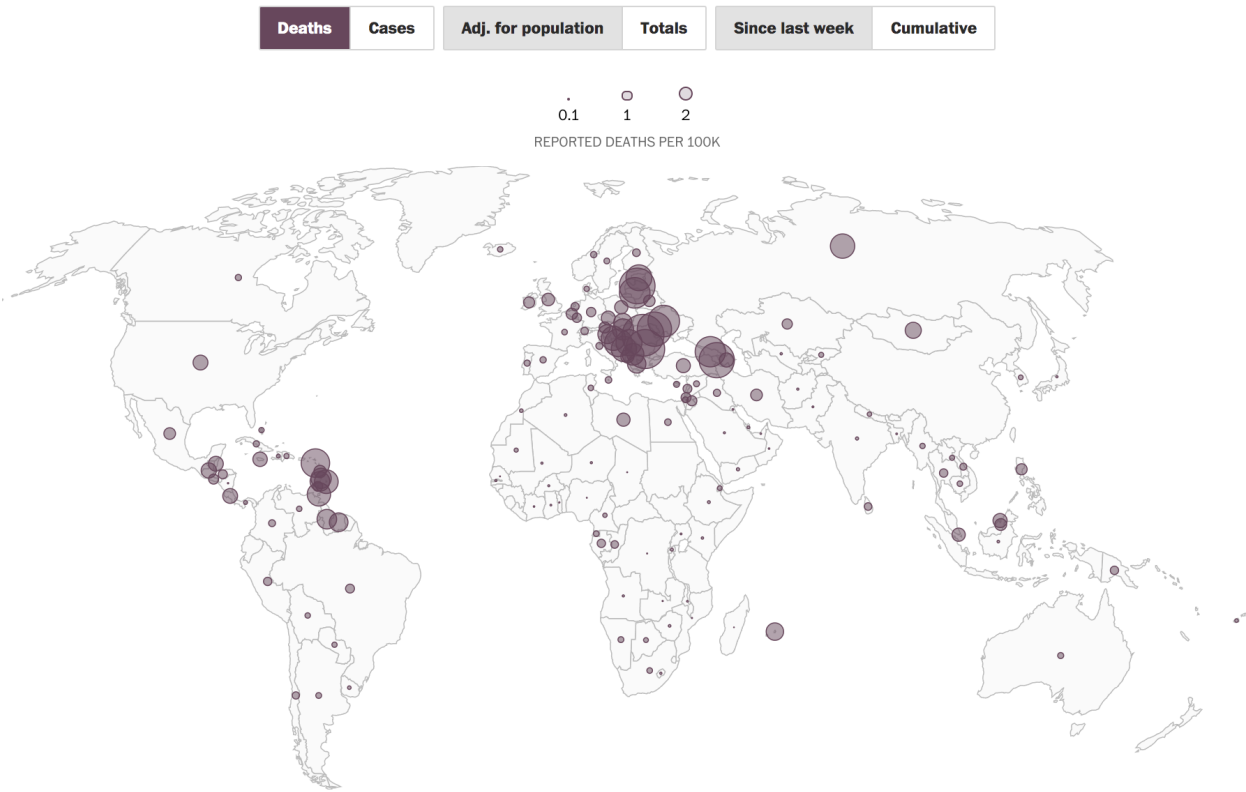




New daily reported cases across the world



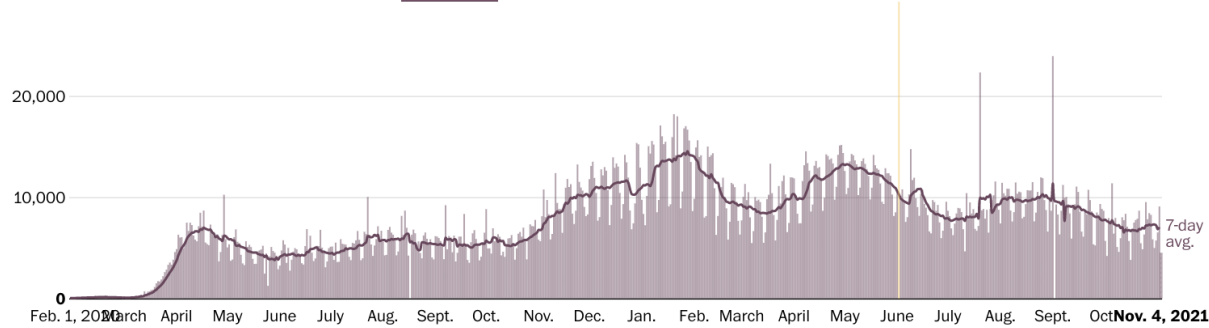
Where the virus is surging



New daily deaths reported across the world

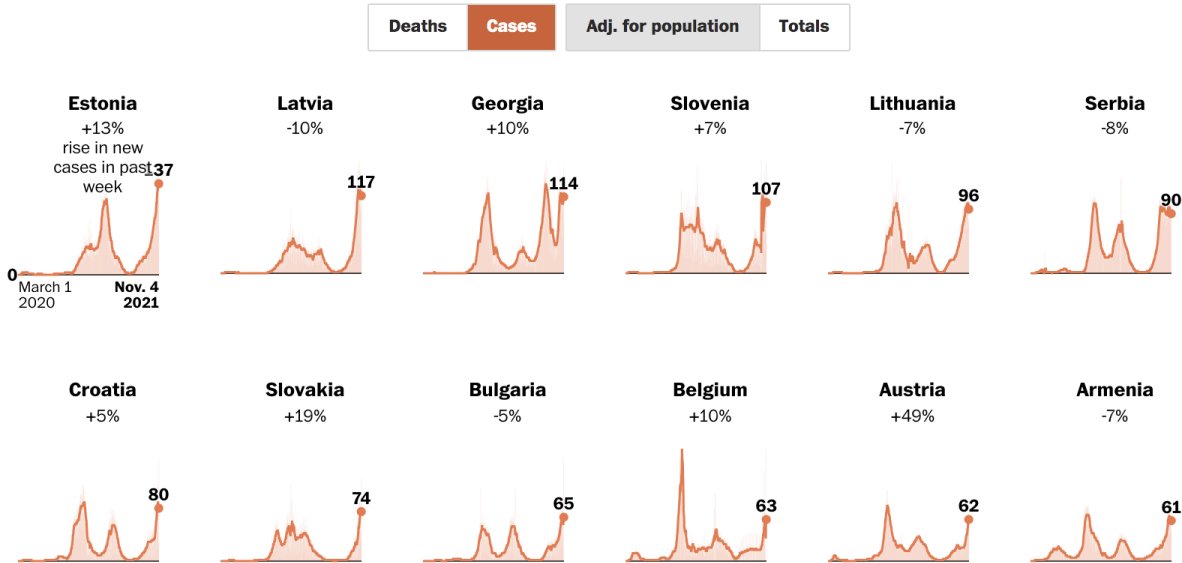
Deaths Cases

At least 5,021,359 have been reported since Feb. 29, 2020.



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.





## Global Vaccination Rates



Country	Total doses given per 100k	Pct. of pop. partially vaccinated	Pct. of pop. completed vaccination
Cuba	228,260	87.9%	64.6%
UAE	217,174	99.3%	89.1%
Malta	199,998	97.6%	97.1%
Chile	195,674	87.1%	80.1%
Uruguay	191,501	79.8%	75.8%
Israel	176,230	69.0%	63.4%
Singapore	172,545	81.4%	80.4%
Qatar	171,095	—	—
Seychelles	169,332	82.5%	77.6%
Cambodia	168,867	84.0%	79.5%
Bahrain	163,673	69.3%	67.2%
China	163,549	—	—
Portugal	158,204	87.9%	86.5%
Iceland	157,976	78.3%	77.1%
Malaysia	157,813	79.9%	77.0%
<b>Canada</b>	<b>156,660</b>	<b>79.5%</b>	<b>75.5%</b>
Britain	156,322	74.9%	68.5%
Spain	153,437	80.8%	79.3%
South Korea	152,878	79.9%	75.4%
Denmark	152,153	77.1%	75.9%
Japan	150,949	77.9%	73.0%
Italy	149,668	77.4%	71.8%
Norway	148,687	78.7%	70.0%
Ireland	148,158	77.1%	75.8%
France	148,129	76.4%	68.6%
Finland	147,233	76.7%	70.5%
Belgium	147,010	75.9%	74.6%
Bhutan	144,734	76.8%	67.9%
Australia	142,660	75.6%	66.7%
Sweden	142,331	70.6%	67.3%
New Zealand	141,407	75.9%	65.5%
Brunei	140,193	81.4%	58.8%

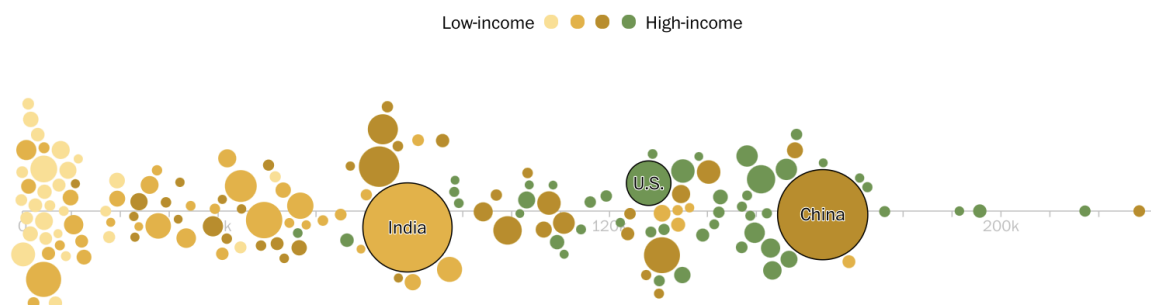
Turkey	140,036	66.5%	58.6%
Maldives	139,097	73.0%	66.1%
Netherlands	139,039	—	—
Mauritius	138,262	71.2%	67.0%
Greenland	137,316	71.4%	66.0%
Mongolia	136,281	69.9%	66.3%
Luxembourg	135,798	71.1%	—
Germany	135,010	69.5%	66.8%
Saudi Arabia	134,744	70.8%	63.2%
Argentina	134,602	76.8%	58.0%
El Salvador	133,878	67.2%	59.8%
Sri Lanka	133,801	71.9%	61.9%
Fiji	133,629	70.7%	63.0%
Andorra	133,121	70.5%	62.6%
Brazil	130,731	—	57.2%
Morocco	130,605	66.3%	60.4%
Austria	130,192	66.7%	63.4%
Costa Rica	130,109	74.3%	55.4%
Switzerland	129,303	66.8%	64.5%
Panama	128,780	70.2%	56.1%
Monaco	128,272	68.5%	59.8%
Liechtenstein	128,165	65.9%	64.3%
<b>U.S.</b>	<b>128,096</b>	<b>66.9%</b>	<b>58.1%</b>
Turkmenistan	127,581	73.6%	54.0%
Dominican Republic	124,178	62.9%	49.8%
Ecuador	123,708	67.9%	58.1%
Lithuania	122,201	65.1%	62.0%
Greece	119,330	62.2%	59.7%
Czechia	116,050	58.8%	57.3%
Oman	114,171	61.6%	52.6%
Slovenia	110,670	57.0%	53.7%
Thailand	110,612	61.5%	45.6%
Taiwan	109,328	73.7%	35.6%
Antigua and Barbuda	108,638	57.5%	51.2%

Estonia	108,434	60.3%	57.6%
Iran	107,648	64.0%	43.5%
Peru	106,545	58.3%	47.5%
Latvia	103,539	61.7%	54.0%
Serbia	103,261	45.6%	43.3%
Poland	103,029	53.4%	52.6%
Cyprus	101,603	50.5%	47.6%
Mexico	99,174	58.5%	47.6%
Azerbaijan	96,857	52.8%	44.0%
Barbados	95,734	51.8%	44.0%
Saint Kitts and Nevis	94,986	49.0%	46.0%
Colombia	94,169	59.9%	42.5%
Cape Verde	92,021	52.8%	39.0%
Croatia	89,180	47.1%	44.3%
Trinidad and Tobago	88,421	44.8%	43.6%
Slovakia	88,266	45.9%	42.3%
Belize	88,244	51.2%	37.0%
Vietnam	87,175	60.6%	26.6%
Kazakhstan	85,872	45.0%	40.8%
Tunisia	80,867	48.4%	39.2%
Montenegro	80,817	41.5%	39.3%
Uzbekistan	79,595	41.2%	—
Guyana	79,394	48.6%	30.8%
India	78,677	54.0%	24.6%
Suriname	78,176	43.2%	35.0%
North Macedonia	77,356	40.1%	37.2%
Paraguay	75,090	41.4%	33.5%
Jordan	74,552	39.4%	35.1%
Russia	73,780	39.3%	33.4%
Indonesia	73,092	45.1%	28.0%
Dominica	72,994	38.6%	34.4%
Honduras	70,333	39.9%	30.5%
Timor-Leste	69,365	42.0%	27.4%
Albania	67,009	—	—

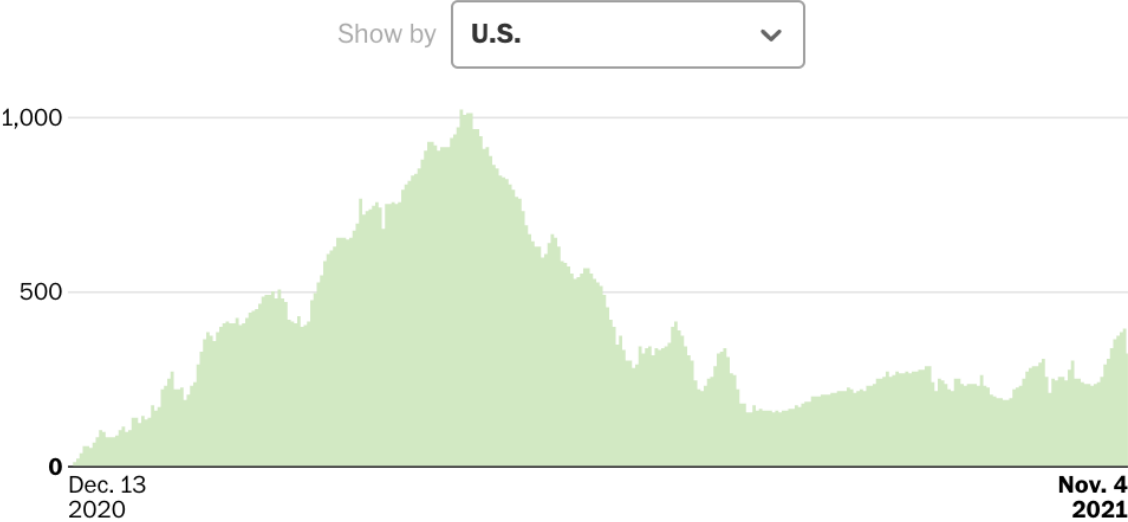
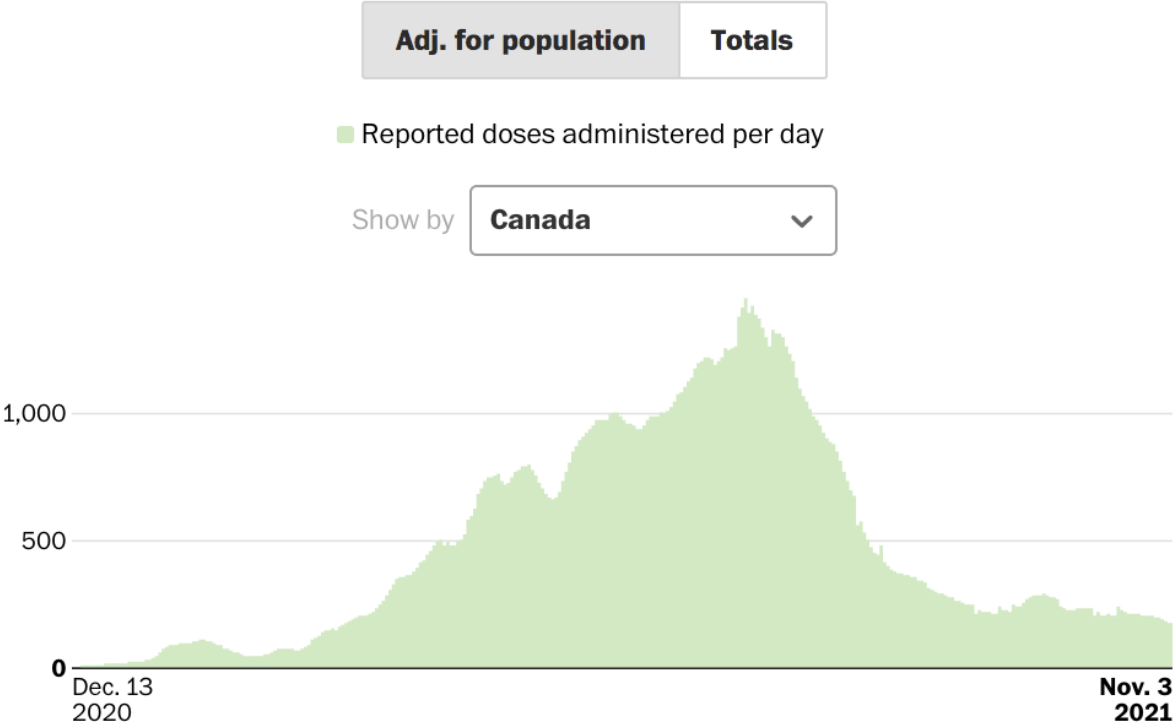
**Canada is in 16th place globally for doses of vaccines given per 100,000 population in the last week; Britain in 17th; U.S. at 54th; Cuba is #1, Cambodia is in 10th place**

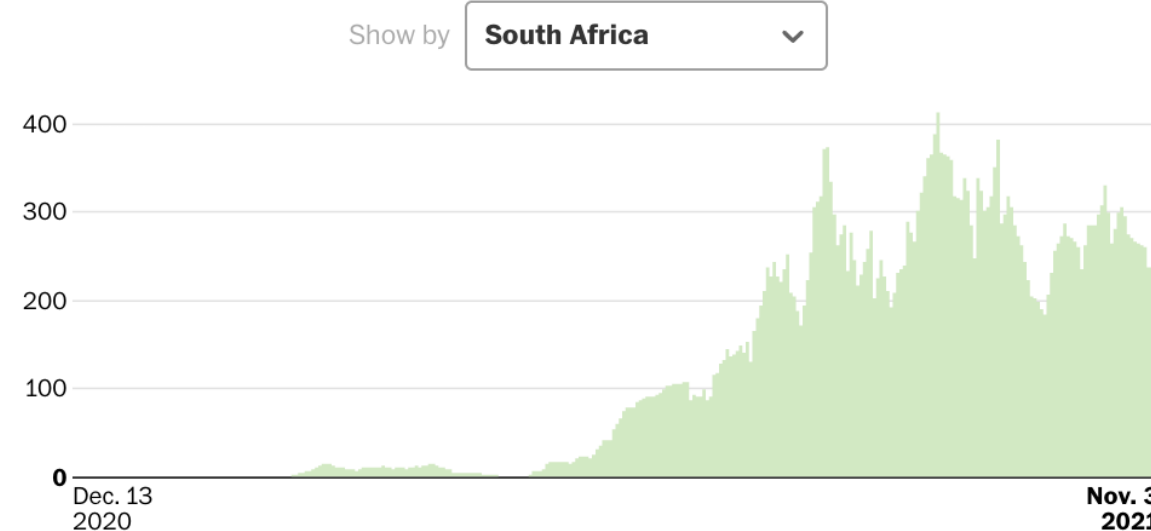
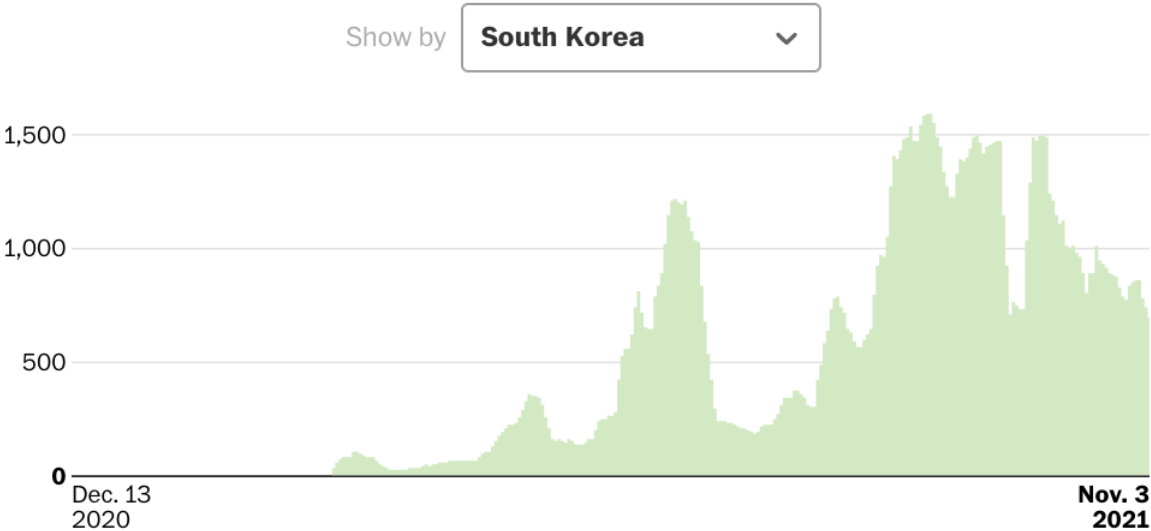
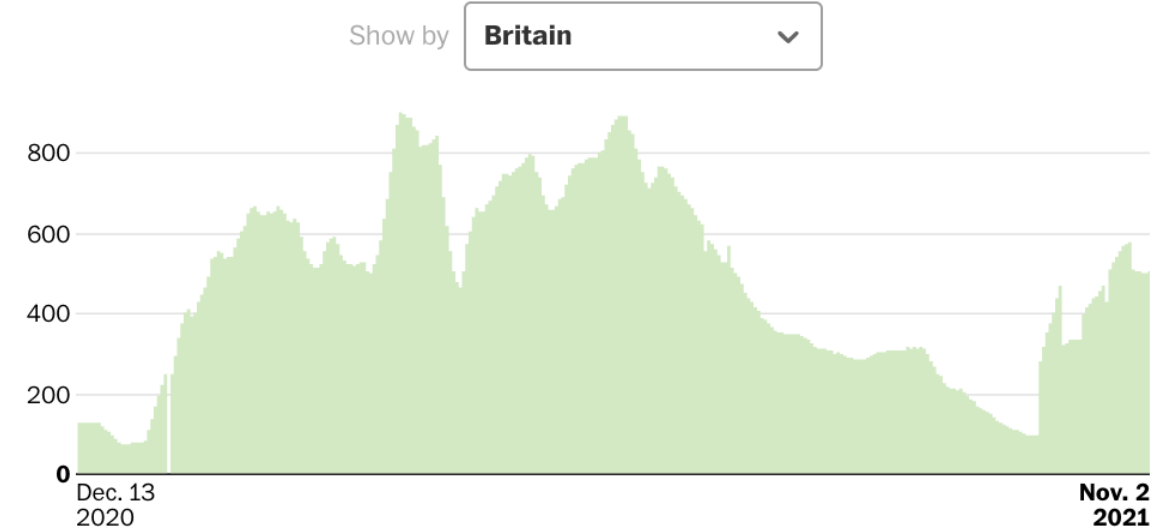






# Doses of covid-19 vaccines administered per 100,000 residents







**Source of Canadian Data Below (November 3, 2021):**  
<https://newsinteractives.cbc.ca/coronavirustracker/>

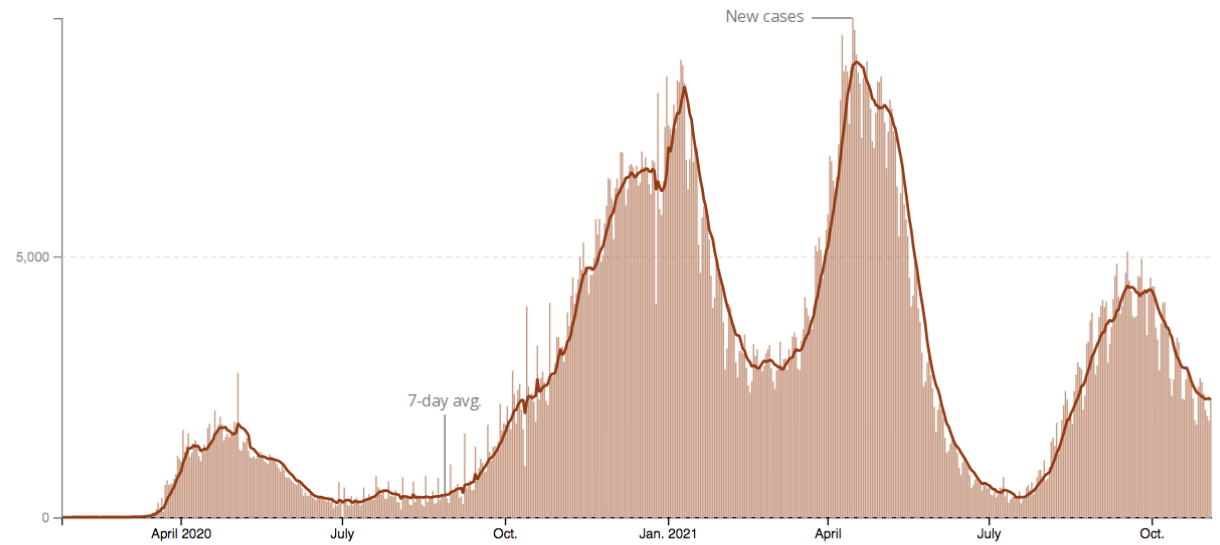


# Canada

Cases Deaths Hospitalizations ICU

In Canada 1,722,570 cases have been reported.

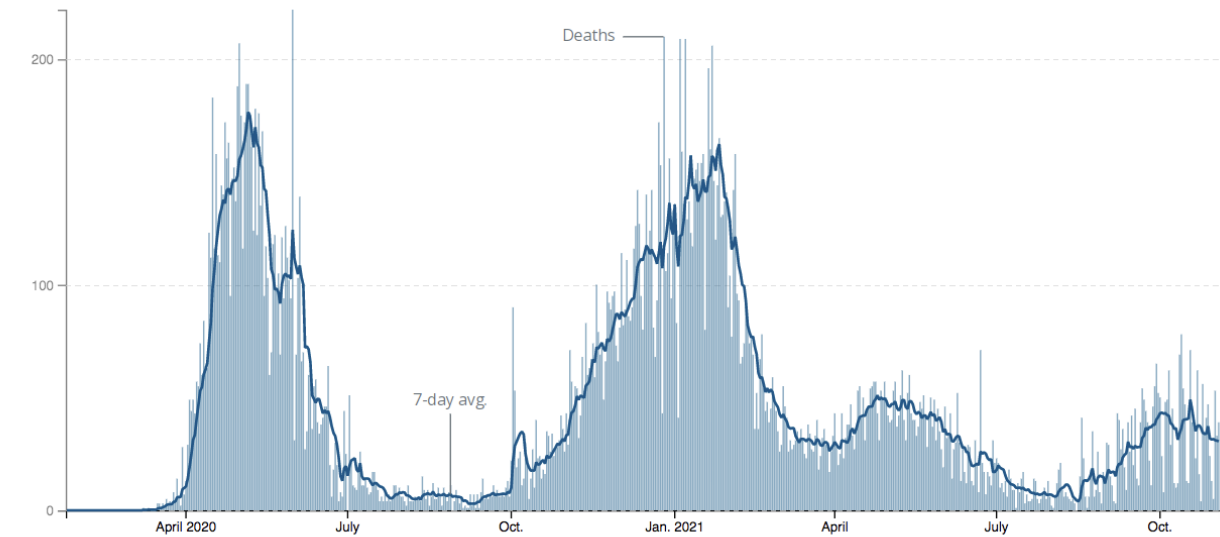
90 DAYS ALL TIME



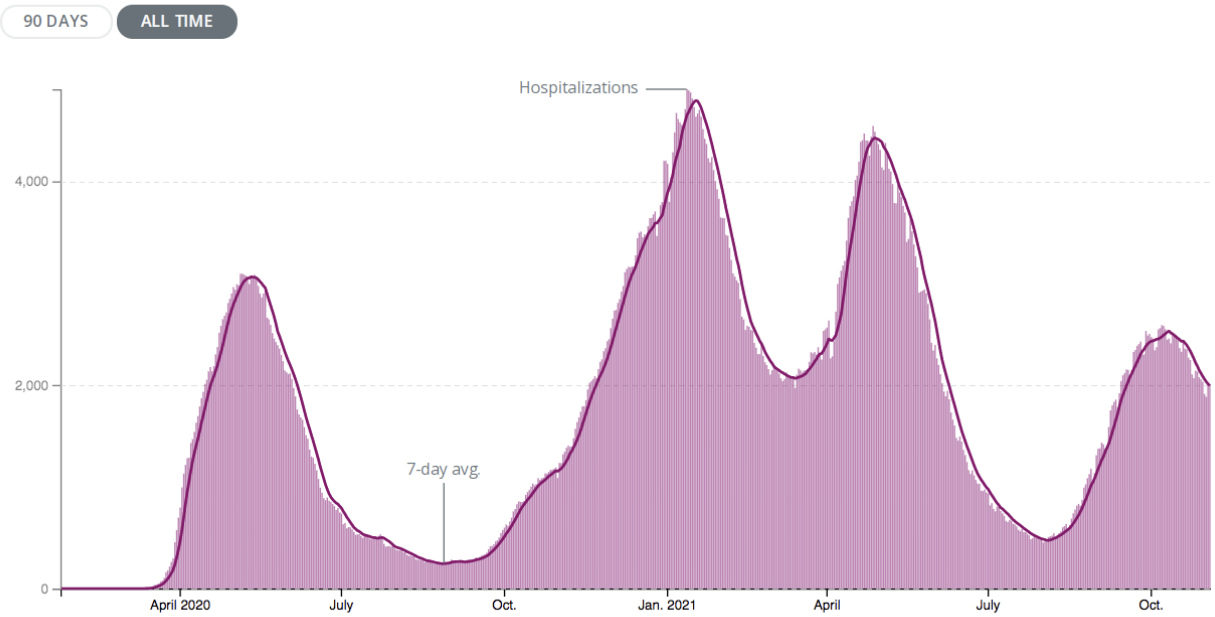
Source: Public Health Agency of Canada.

In Canada 29,095 deaths have been reported.

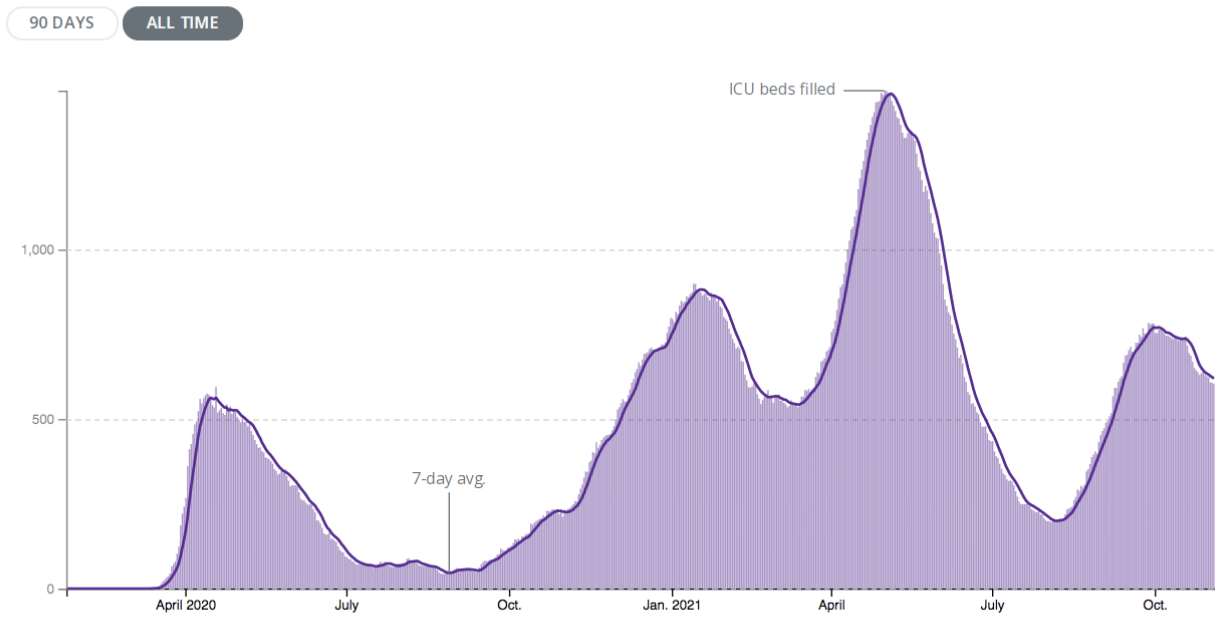
90 DAYS ALL TIME



In Canada there are currently 2,001 people hospitalized.



In Canada there are currently 604 ICU beds filled.



Source: Public Health Agency of Canada.

In the past week in Canada...

<p>New cases</p> <p>↓</p> <p>There were 15,700 new cases, a decrease of 5 per cent. That's 41.3 cases per 100,000 people.</p>	<p>Active cases</p> <p>↓</p> <p>The number of active cases declined 8 per cent.</p>	<p>Deaths</p> <p>↓</p> <p>There were 214 deaths, or 0.6 per 100,000 people, a decrease of 10 per cent.</p>	<p>Hospitalizations</p> <p>↓</p> <p>Hospitalizations declined 4 per cent and ICU beds filled declined 5 per cent.</p>
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# 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	58,608,489	77.78%	73.94%	<div></div>
Alberta	6,583,429	73.85%	68.23%	<div></div>
British Columbia	8,278,198	80.13%	76.04%	<div></div>
Manitoba	2,090,806	75.73%	72.68%	<div></div>
New Brunswick	1,239,306	81.79%	75.24%	<div></div>
Newfoundland and Labrador	867,551	86.55%	80.28%	<div></div>
Nova Scotia	1,579,333	81.72%	77.11%	<div></div>
Ontario	22,569,439	77.68%	74.55%	<div></div>
Prince Edward Island	265,713	82.81%	78.14%	<div></div>
Quebec	13,271,874	77.98%	74.69%	<div></div>
Saskatchewan	1,673,076	74.00%	67.81%	<div></div>
Northwest Territories	72,045	81.26%	77.07%	<div></div>
Nunavut	49,251	66.61%	58.38%	<div></div>
Yukon	68,468	79.79%	77.08%	<div></div>

Source: CBC News.





Source of World Covid-19 Vaccination Data Below, November 4, 2021):  
<https://www.bloomberg.com/graphics/covid-vaccine-tracker-global-distribution/>

## More Than 7.15 Billion Shots Given: Covid-19 Tracker

In the U.S., 425 million doses have been administered

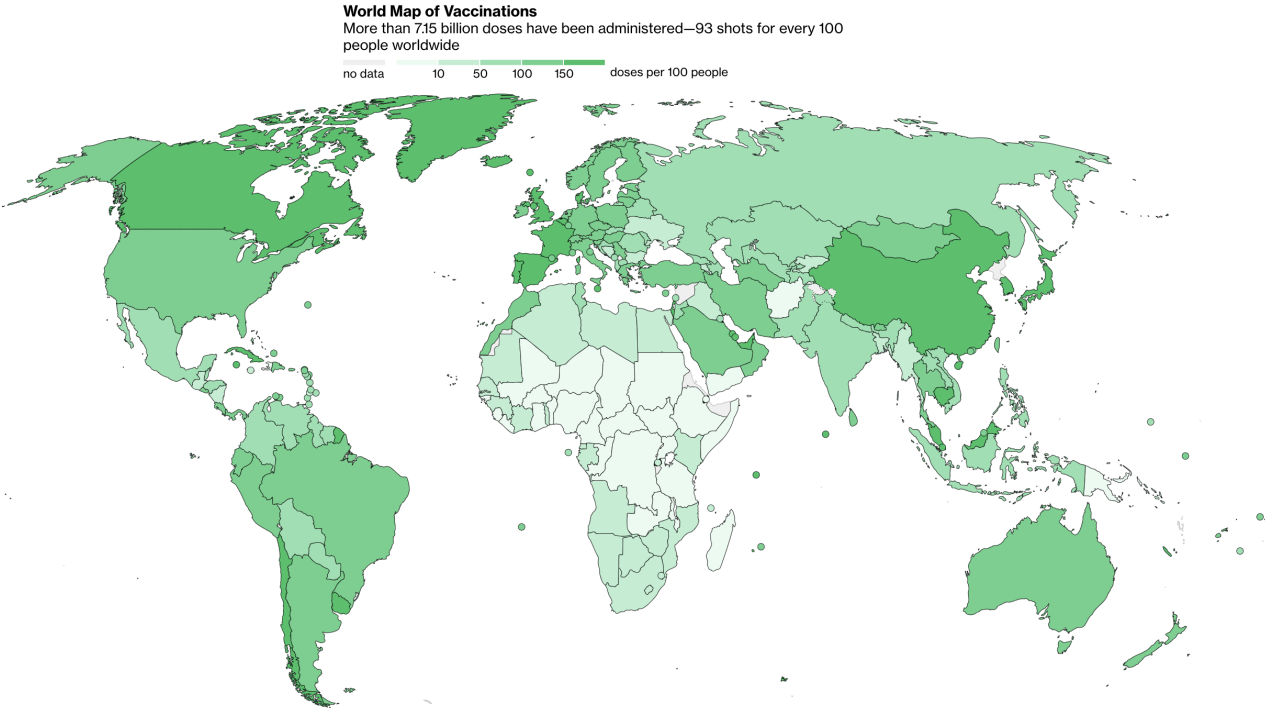
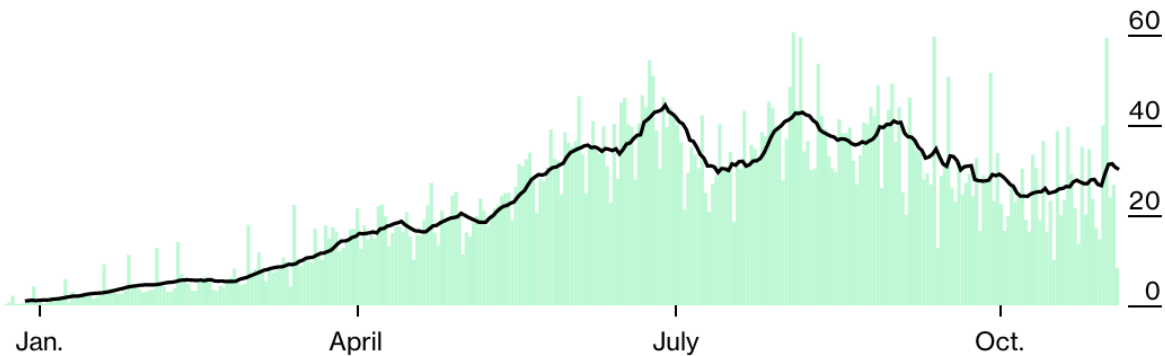
The biggest vaccination campaign in history is underway. More than **7.15 billion doses** have been administered across 184 countries, according to data collected by Bloomberg. The latest rate was roughly **30.1 million doses a day**.

In the U.S., **425 million doses** have been given so far. An average **1.13 million doses per day** were administered over the last week.

**Globally**, the latest vaccination rate is **30,103,833 doses** per day, which includes **10,824,787 people** people getting their first shot. At this pace, it will take another **5 months** until **75%** of the population has received at least one dose.

Global Total (5 months to 75% coverage) ✕ ↑ ↓

Doses administered: 80M







**Camouflaged Cell Phone Tower!**

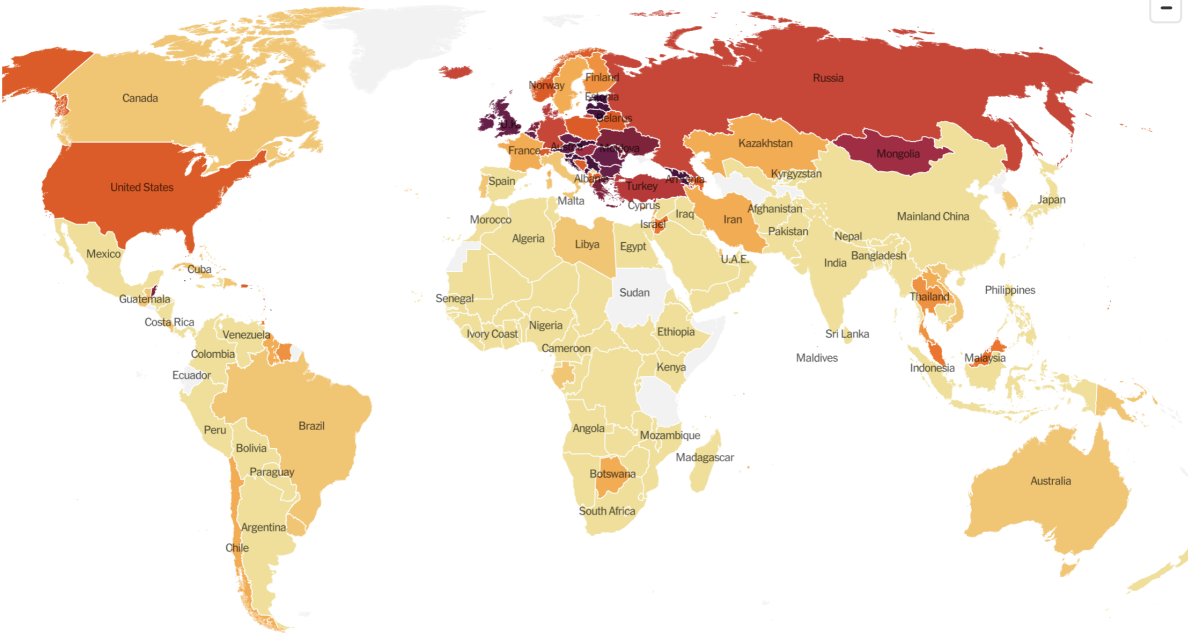
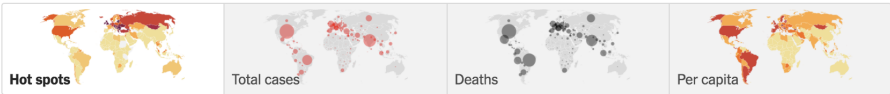
**Source of World Data Below (November 4, 2021):**

**<https://www.nytimes.com/interactive/2021/world/covid-cases.html>**

Hot spots

AVERAGE DAILY CASES PER 100,000 PEOPLE IN PAST WEEK

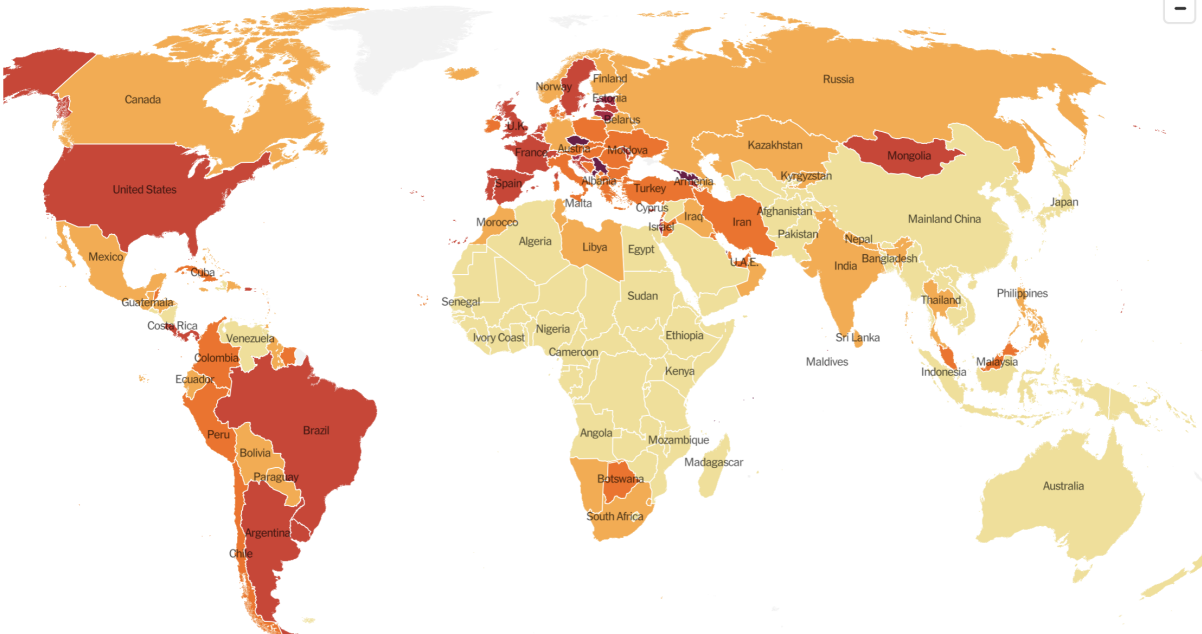
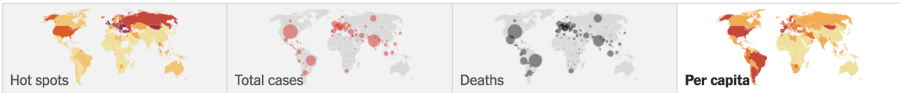
4 12 20 28 40 68 FEW OR NO CASES



Cases per capita

SHARE OF POPULATION WITH A REPORTED CASE

1 IN 45 1 IN 10 1 IN 6





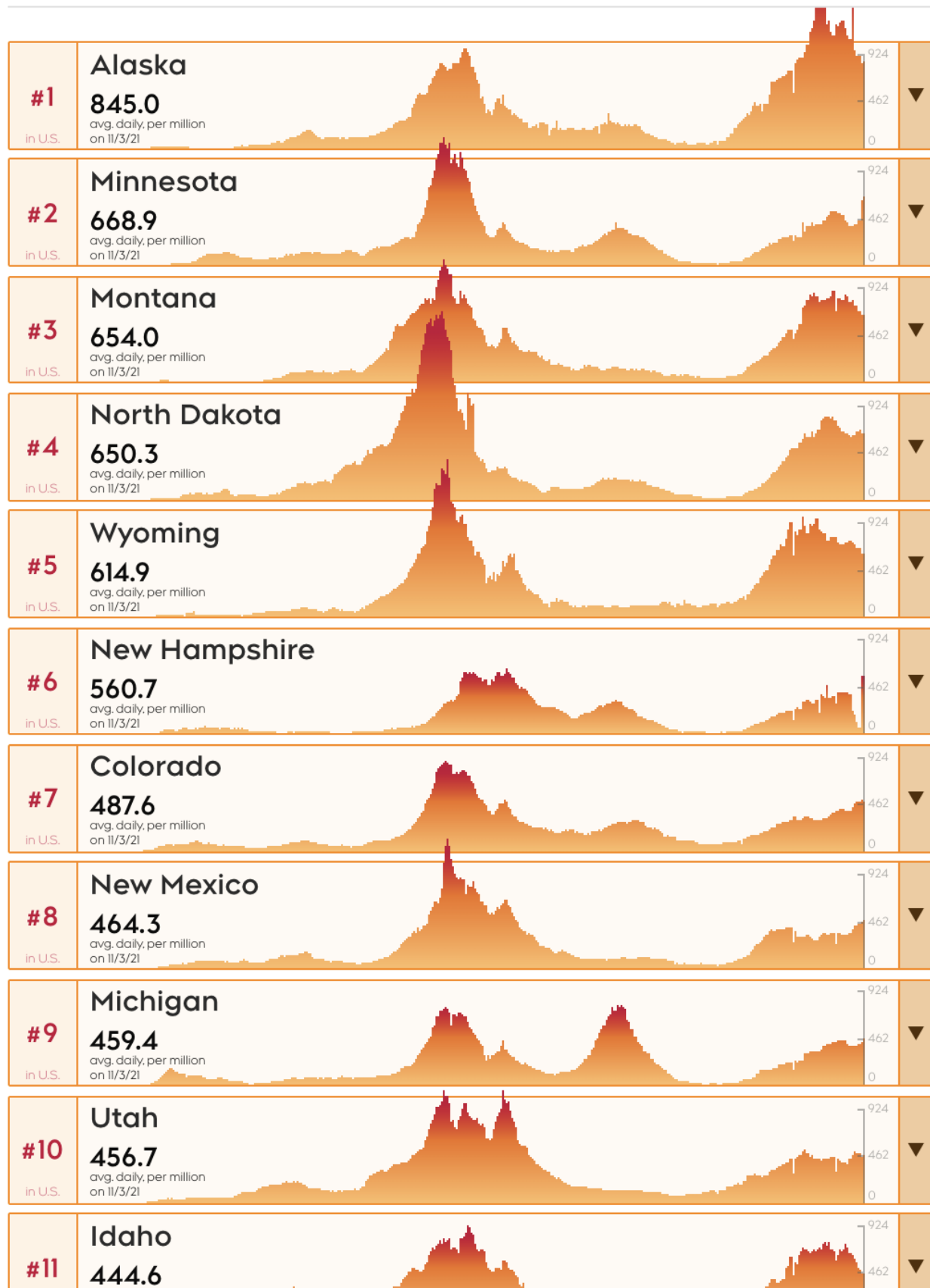


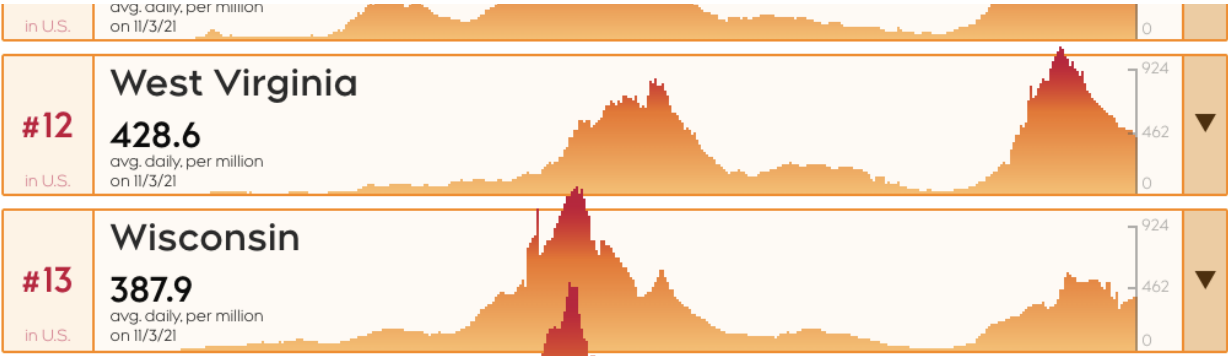
**Source of Canadian and U.S. Comparative Data Below (Nov. 4, 2021):**  
**<https://www.ctvnews.ca/health/coronavirus/covid-19-in-the-u-s-how-do-canada-s-provinces-rank-against-american-states-1.5051033>**

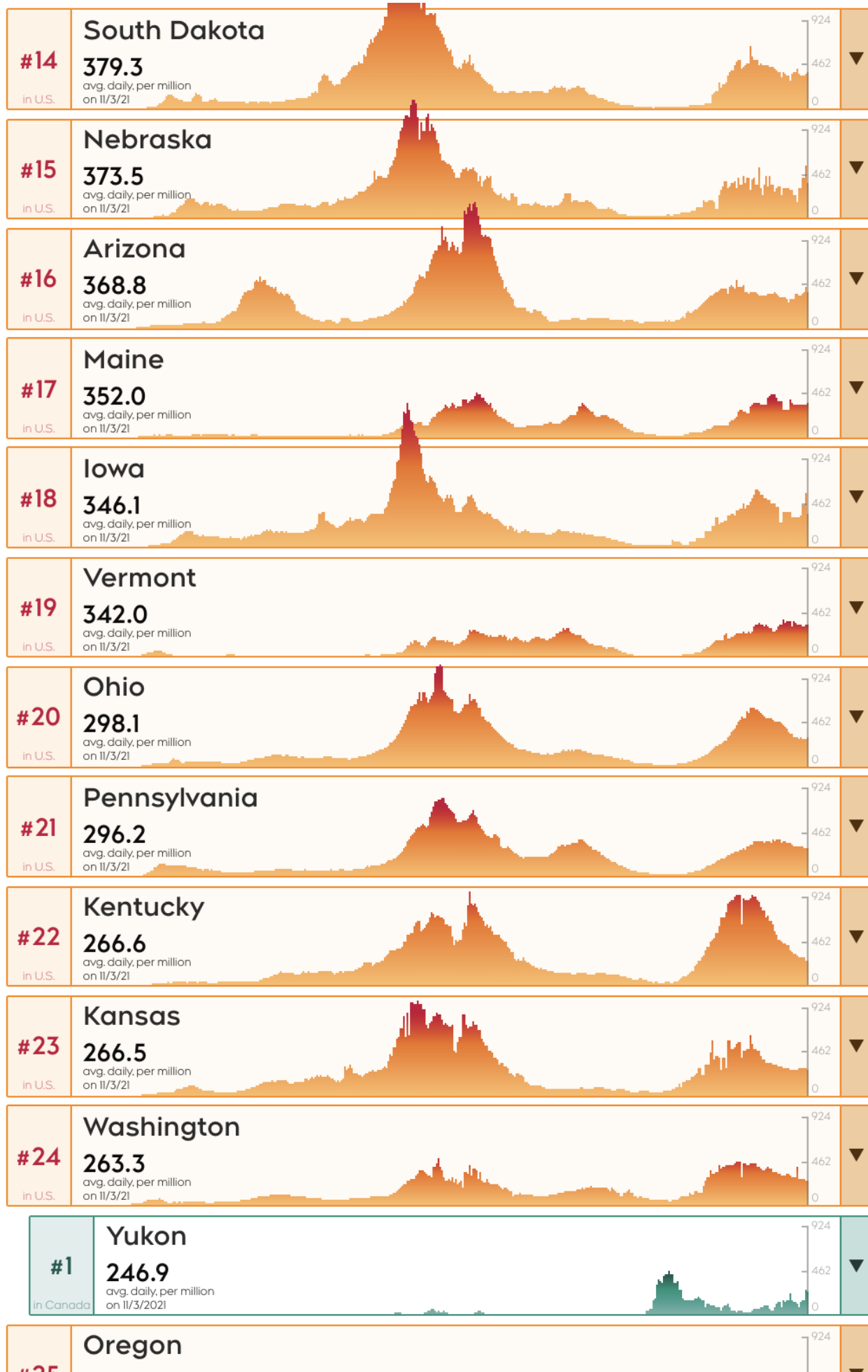
# Comparing COVID-19 in states and provinces

Showing 7-day avg. cases, per million

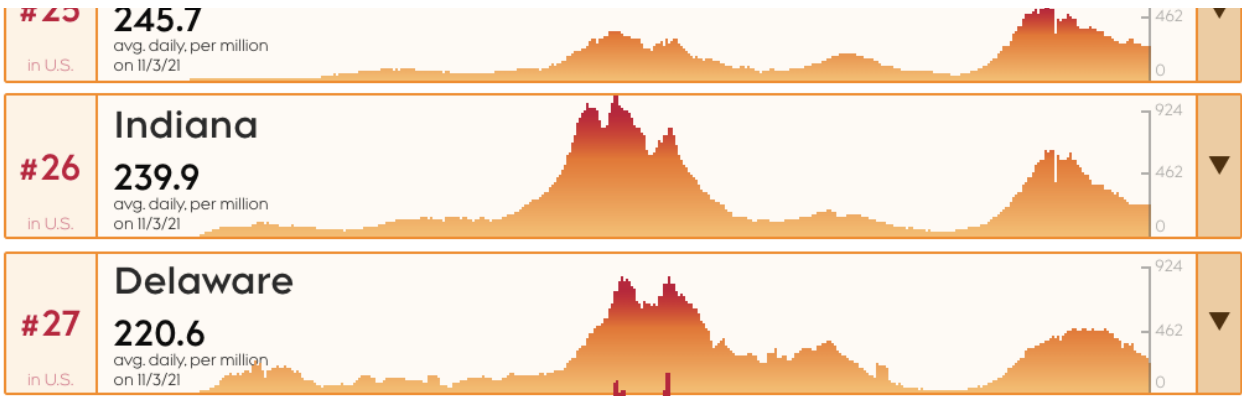
Ranked by highest current cases Scale: all same

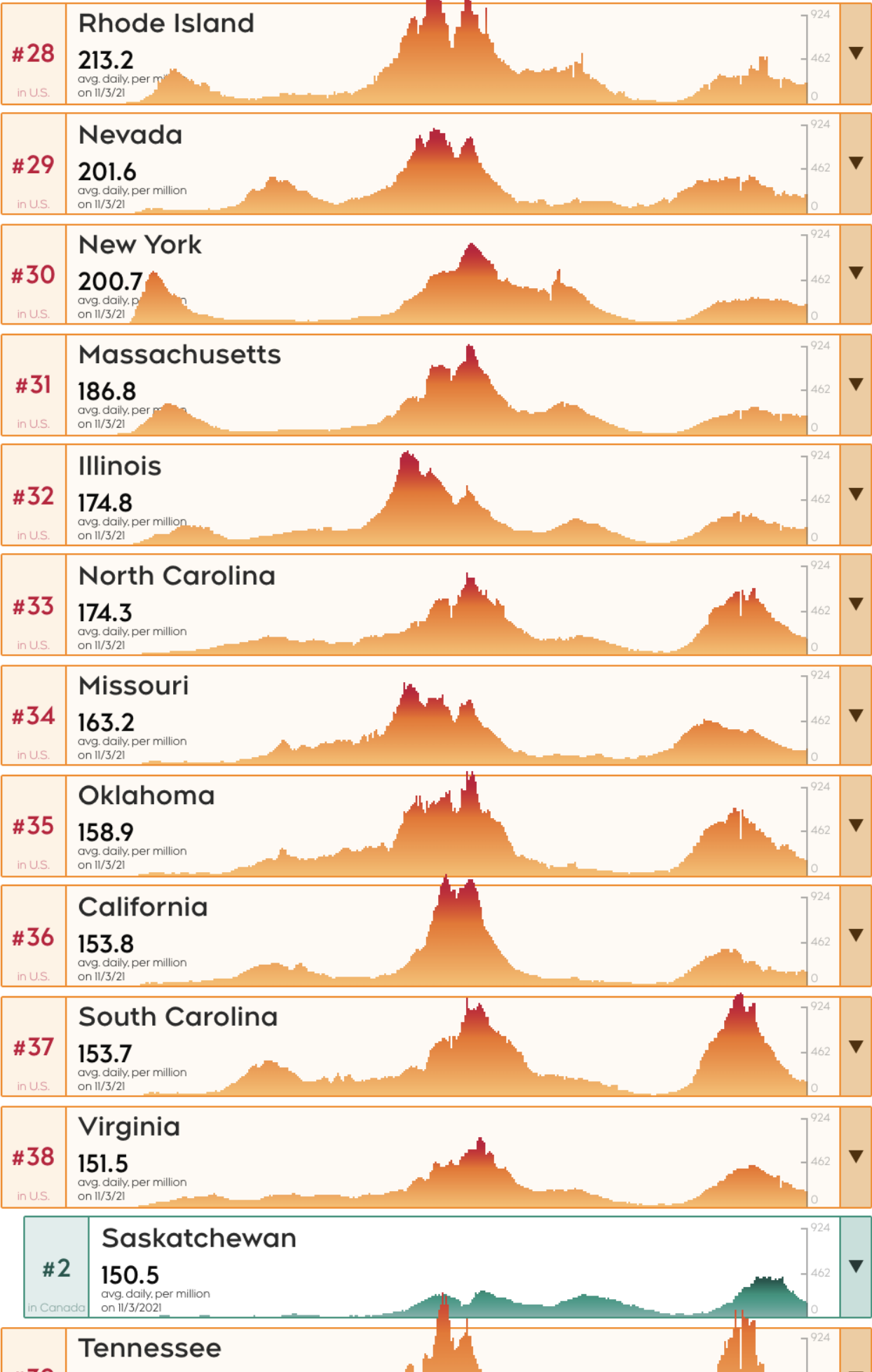


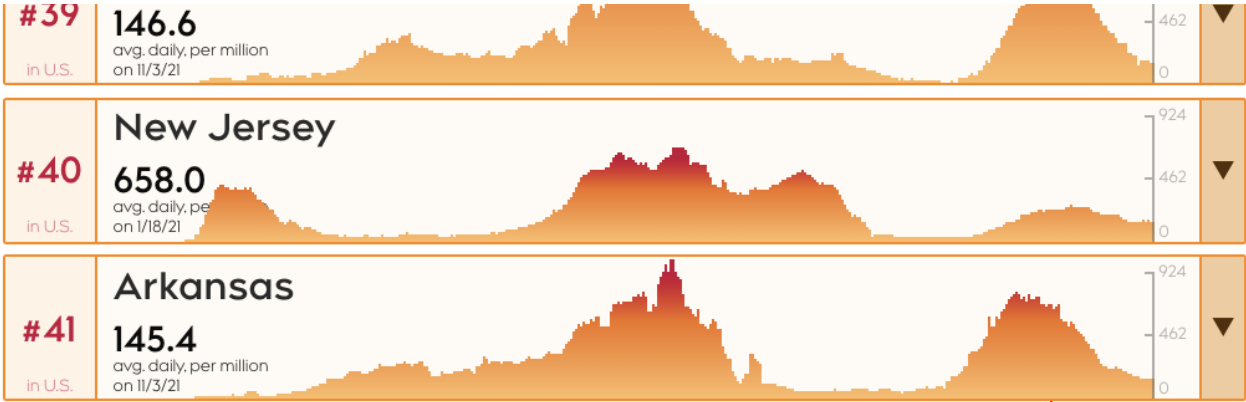


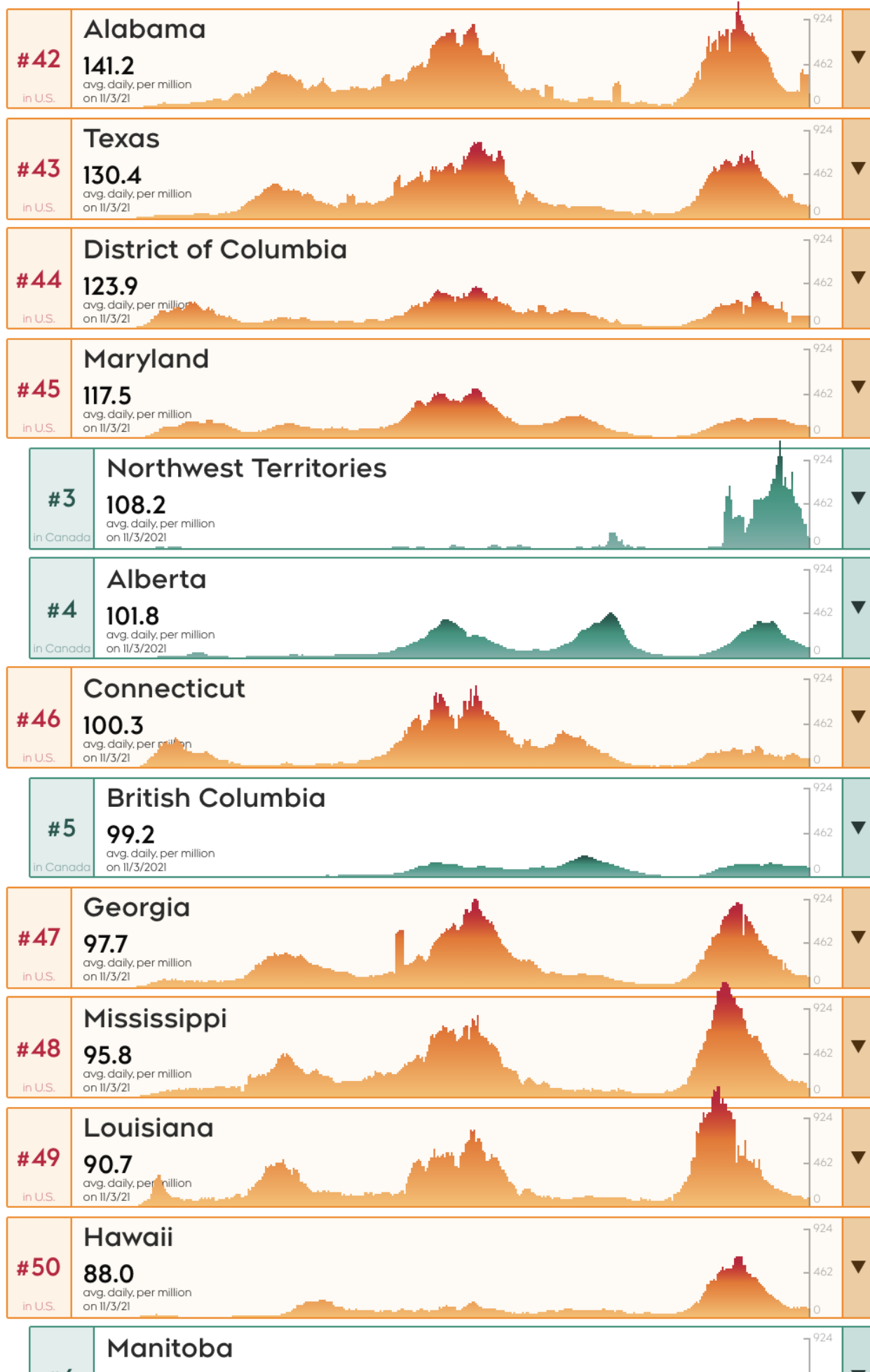




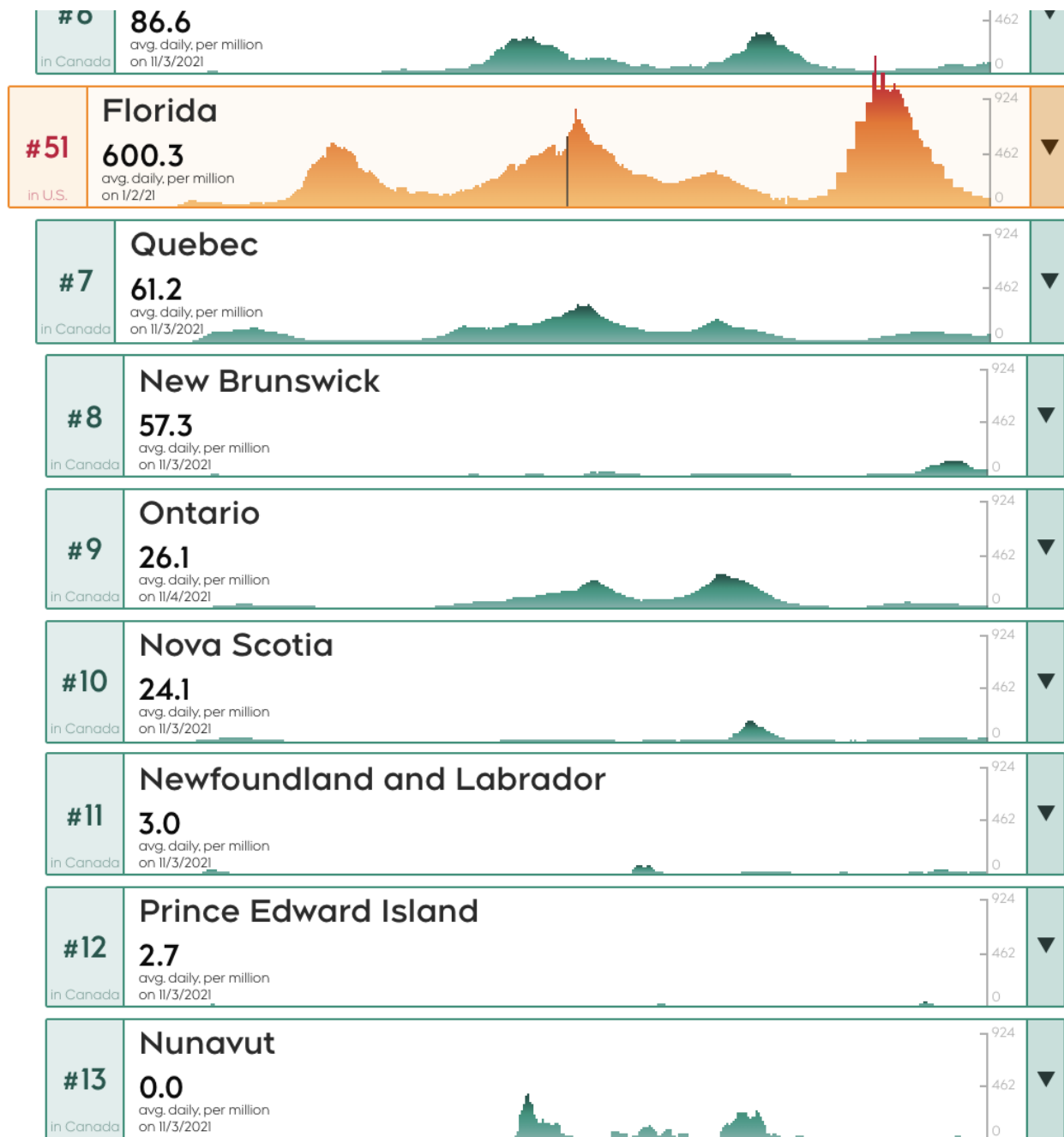












U.S. data is collected daily from the [COVID-19 Data Repository by the Center for Systems Science and Engineering \(CSSE\) at Johns Hopkins University](#). Canadian data is collected by CTV News based on daily provincial reports.



Photo Credits: David Zakus



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## **Planetary Health Weekly**

49 Beresford Avenue  
Toronto, Ontario M6S 3A9 Canada

**Publisher and Editor:** Dr. David Zakus

**Production:** Aisha Saleem & Julia Chalmers

**Social Media:** Shalini Kainth and Ishneer Mankoo

**Website, Index and Advisory:** Eunice Anteh, Gaël

Chetaille, Evans Oppong, Jonathan Zakus,  
Dr. Aimée-Angélique Bouka & Elisabeth Huang

**Blogs:** Dr. Jay Kravitz and Aisha Saleem

### **CONTACT US TO COMMENT OR SUBSCRIBE AT:**

planetaryhealthweekly@gmail.com  
david.zakus@utoronto.ca

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