

PLANETARY HEALTH WEEKLY



CURRENT NEWS ON ECOLOGICAL WELLNESS AND GLOBAL HEALTH

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Hi,

So the president of the USA finally said something rational about his COVID-19 pandemic. Hopefully people will listen as his country wallows in the effects of his earlier misstatements, lies, fabrications and disdain of science for conspiracy theories – for explosive numbers of deaths and cases, overflowing hospitals, taxed to the limit ICUs, morgue trucks and overly exhausted and stressed health care workers. Let's hope it makes a difference for our brothers and sisters (and my family) in that country. Its leadership has now shifted from global voice for human rights, justice and democracy to disease and corruption and a farcical show. I have often talked and published about the corruption in other countries thinking, in the past, that such egregious actions could never happen here or south of our border. But, low and behold, it's all there, perhaps equal to the sum of all other public office corruption in the world. The effects of this, including the withdrawal of the USA from the World Health Organization and the cancellation of many environmental protections, is devastating for global health and environmental wellness. These being our two major *Planetary Health Weekly* themes, we lament this situation, hope it will change soon and hope that the world can reset its compass and move forward to build a better world for all. Certainly the anti-racism movements are positive, and we need rekindled and stronger public movements to protect our Earth and all its citizens. It's already starting and on-going with [calls and action from around the world for a just recovery](#).

In today's **Planetary Health Weekly** (#30 of 2020) you'll read about public and government actions and more about COVID-19, still sweeping the world in an ever-widening path.

Check out below for:

- Coronavirus updates, including
 - Impact on HIV, TB and malaria in poor countries,
 - 3000 health workers dead,
 - Over 1/3 of young infected adults facing severe effects,
 - Europe's face-off over masks – a north/south split,
 - International perspectives on long-term care and the future of nursing,
 - Bat research is critical to preventing the next pandemic,
 - Don't ignore physical distancing even if tested negative,
 - How Britain lost track of the coronavirus,
 - Parts of Ontario enter Stage 3,
 - Behind the conflicting advice on coronavirus safety, THEN
- We are all plastic people now,
- Fertility, mortality, migration and population scenarios for 195 countries from

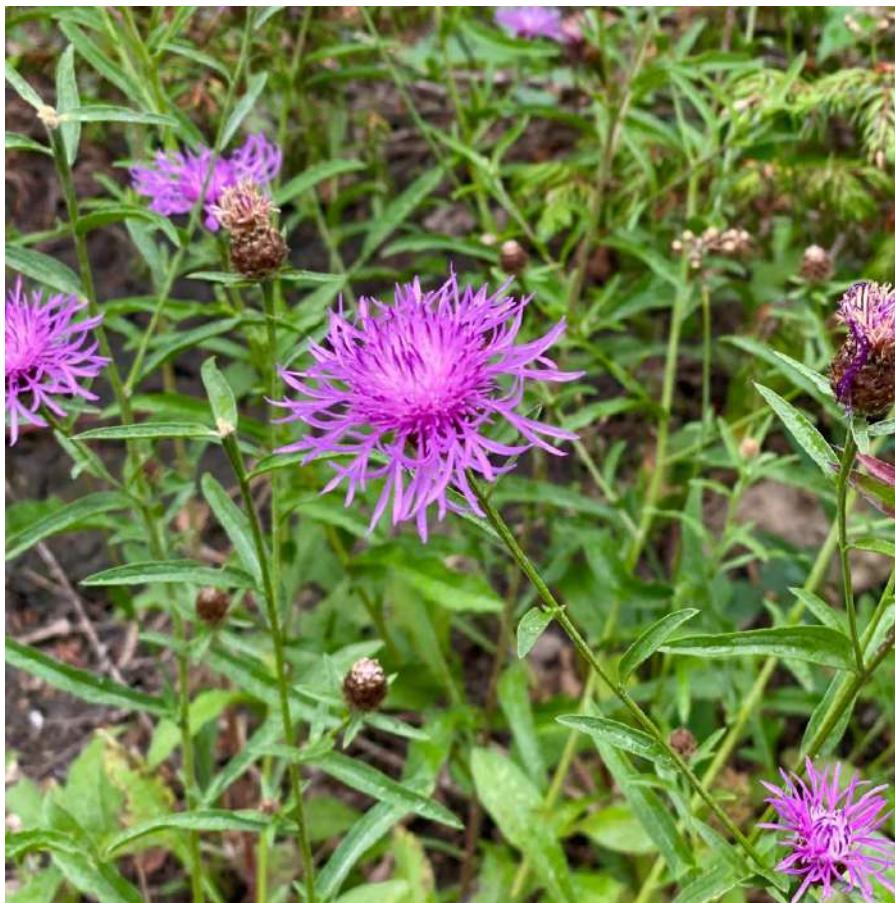
2017-2100,

- Researchers say Earth is headed for 'jaw-dropping' population decline,
- Climate change will cause more extreme wet and dry seasons,
- Fossils use resource adequacy concerns delay grid decarbonization,
- E-bike popularity muscles cars off European roads,
- Study shows humans are optimists for most of life,
- Institutional investors unhappy with government climate response,
- How to fix the Covid-19 dumpster fire in the U.S.,
- Wildlife trade between South Africa and China exposed,
- Grassy Narrows First Nation fears further mercury poisoning as government ends assessments for clear-cut logging,
- Read the COVID-10 blogs by Dr. Alan Whiteside,
- Five horrible things extreme heat does to the body,
- Electric vehicles most useful in ride hailing services,
- Seven science-based health benefits of drinking enough water,
- New book by Ben Okri "The Freedom Artist",
- University of Toronto launches Canada's first DrPH, and
- ENDSHOT neighbourhood beauties and latest COVID-19 stats.

I hope you'll take a look.

Best, david

David Zakus, Editor and Publisher



BEAUTIFUL WILD KNAPWEED Manitoulin Island July 2020

SARS-CoV-2 & COVID-19 UPDATES



Today, a new daily world record: 280,000 newly confirmed cases; and 1.7 million new cases and 140,000 deaths globally in the last week); See ENDSHOTS for more stats

Potential Impact Of The COVID-19 Pandemic On HIV, Tuberculosis And Malaria In Low-Income And Middle-Income Countries: A Modelling Study



COVID-19 has the potential to cause substantial disruptions to health services, due to cases overburdening the health system or response measures limiting usual programmatic activities. We aimed to quantify the extent to which disruptions to services for HIV, tuberculosis and malaria in low-income and middle-income countries with high burdens of these diseases could lead to additional loss of life over the next 5 years. Assuming a basic reproduction number of 3·0, we constructed four scenarios for possible responses to the COVID-19 pandemic: no action, mitigation for 6 months, suppression for 2 months, or suppression for 1 year. The greatest impact on HIV was estimated to be from interruption to antiretroviral therapy, which could occur during a period of high health system demand. For tuberculosis, the greatest impact would be from reductions in timely diagnosis and treatment of new cases, which could result from any prolonged period of COVID-19 suppression interventions. The greatest impact on malaria burden could be as a result of interruption of planned net campaigns. Maintaining the most critical prevention activities and health-care services for HIV, tuberculosis and malaria could substantially reduce the overall impact of the COVID-19 pandemic. [Read More at The Lancet](#)

SEE MORE STORIES:

At Amnesty International: [3000 Health Workers Dead from COVID-19](#)

At Science Daily: [One In Three Young Adults May Face Severe COVID-19](#)

At Economist: [Face-Off Over Face-Masks: Europe's Latest North-South Split](#)

At Balsillie School of International Affairs: [The Long-term Care Pandemic: International Perspectives on COVID-19 and the Future of Nursing](#)

At Science Daily: [Bat Research Critical To Preventing Next Pandemic](#)

At Global News: [Negative Coronavirus Test? Here's Why You Can't Ignore Physical Distancing](#)

At Reuters: [Into The Fog: How Britain Lost Track Of The Coronavirus](#)

At The Star: [Ontario Is Entering Stage 3, U.S. States Are Locking Down Again: 4 Charts That Pinpoint Where We Are In COVID-19](#)

At The New Republic: [Behind the Conflicting Advice on Coronavirus Safety](#)

In mid-May, the Centers for Disease Control and Prevention released a report that confounded public health messages on the coronavirus up to that point. This study is now one among several in recent weeks clarifying how and under what conditions the virus is most easily transmitted. The researchers conclude that "there is a substantial probability that normal speaking causes airborne virus transmission in confined environments." "You have to understand three factors: intensity, frequency and duration," Joseph Allen, an assistant professor of exposure assessment science at the Harvard T.H. Chan School of Public Health, said.

See ENDHOTS for current statistical COVID-19 summaries.

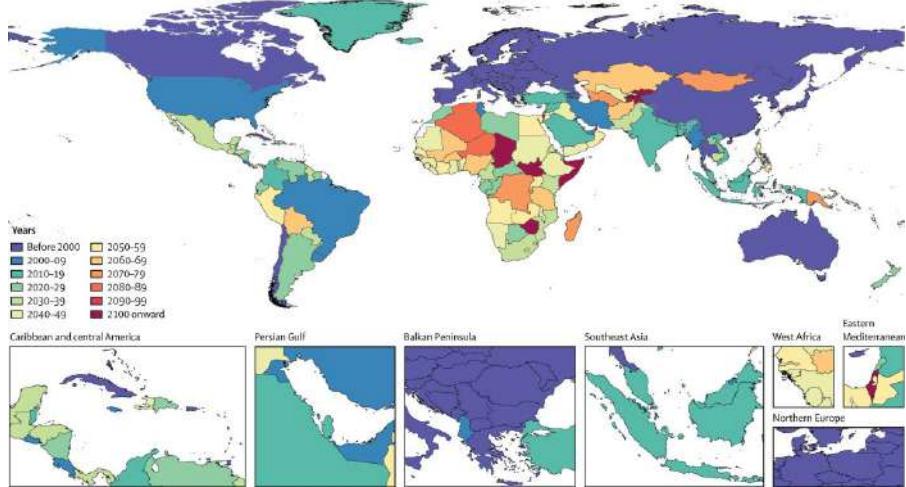
We Are All Plastic People Now, In Ways We Can't See – And Can No Longer Ignore



Credit: Jonathan Bamber

Our global plastics problem has been steadily growing for decades, polluting the planet in obvious ways. Less obvious are the microplastics that we eat and breathe, and the impacts they have on our health. I experimented on myself to find out more. Coronavirus or no, the plastics industry is determined to gain ground. Nearly one-half of all the plastics produced every year are for single use. Often, as in the case of fast food take-out containers, this use lasts for only a few minutes. In addition, it's estimated that up to a trillion plastic bags and about half a trillion disposable water bottles are used globally every year, and in the United States alone, an estimated 500 million plastic straws are used each day. Less than 10 per cent of plastics are recycled, meaning the vast majority winds up discarded in landfills or dumped in the environment. When I asked Mr. Hruska from the plastics industry what he thinks about the developing research on microplastics, his answer was clear: "You can't hold the material accountable." "This is a people-behaviour thing," he said, reflecting the industry's long-held talking point that if we could all just get better at recycling, there would be no need to talk about more significant changes to current plastic use. At a time in history when the warnings of scientists – about climate change, pandemics and plastics – often go unheeded until it's too late, we need to make sure that microplastics are the exception to this rule and take the warnings seriously. [Read More at The Globe and Mail](#)

Fertility, Mortality, Migration And Population Scenarios For 195 Countries And Territories From 2017 To 2100: A Forecasting Analysis For The Global Burden Of Disease Study



Understanding potential patterns in future population levels is crucial for anticipating and planning for changing age structures, resource and health-care needs, and environmental and economic landscapes. Changing population size and age structure will have profound economic, social and geopolitical impacts in many countries. In this study novel methods for forecasting mortality, fertility, migration and population were developed. Potential economic and geopolitical effects of future demographic shifts were assessed. The global total fertility rate (TFR) in the reference scenario was forecasted to be 1·66 (95% UI 1·33–2·08) in 2100. In the reference scenario, the global population was projected to peak in 2064 at 9·73 billion (8·84–10·9) people and decline to 8·79 billion (6·83–11·8) in 2100. Our alternative scenarios suggest that meeting the Sustainable Development Goals targets for education and contraceptive would result in a global population of 6·29 billion (4·82–8·73) in 2100 and a population of 6·88 billion (5·27–9·51) when assuming 99th percentile rates of change in these drivers. Findings suggest that continued trends in female educational attainment and access to contraception will hasten declines in fertility and slow population growth. A sustained TFR lower than the replacement level in many countries, including China and India, will have economic, social, environmental, and geopolitical consequences. Policy options to adapt to continued low fertility, while sustaining and enhancing female reproductive health, will be crucial in the years to come. [Read More at The Lancet](#)

See Also at Futurism: [Researchers Say Earth Is Headed for “Jaw-Dropping” Population Decline](#)

Climate Change Will Cause More Extreme Wet And Dry Seasons



Credit: Zero Avia

The world can expect more rainfall as the climate changes, but it can also expect more water to evaporate, complicating efforts to manage reservoirs and irrigate crops in a growing world, according to new research. Ashok Mishra, who is the corresponding author on the new article, said that previous studies have focused mostly on how climate change will affect precipitation. But the key contribution of the new study is that it also examined the magnitude and variability of precipitation and evaporation and how much water will be available during the wettest and driest months of the year. Researchers found that dry seasons will become drier, and wet seasons will become wetter, said Mishra, who is the Dean's Associate Professor in the Glenn Department of Civil Engineering. The greatest concern for such regions will be more flooding. Mishra said that his message to the world is that water is a very important resource. "The availability of this resource is an issue everybody is facing. We need to take precautions to optimally use how much water we have. As the climate changes and population increases, we should be preparing for the future by improving the technology to efficiently use water for crops." [Read More at Science Daily](#)

Fossils Use Resource Adequacy Concerns To Delay Grid Decarbonization



Credit: Pikist

Now that renewable energy has established its cost advantage over fossil fuels, the industry's next challenge is to show grid planners they can decarbonize without jeopardizing the reliability of their systems, climate consultant Eric Gimon writes in an analysis for *Greentech Media*. "For the first time in 130 years, renewables surpassed coal as a U.S. energy source, and the trend is projected to persist as solar and wind prices plummet. With renewables now cheaper than new fossil capacity, the clean energy industry anticipates a renewables majority by 2030." But the shift to 100% clean power "is more complicated than adding renewables and storage," he explains. "Solar and wind are transforming how we power our economy, creating sustainable jobs and improving public health. But adding variable, fuel-free resources to the grid also requires major changes in power system planning to ensure reliability—what grid operators call 'resource adequacy. Ultimately, 'decarbonization requires building a larger, cleaner electricity grid without sacrificing reliability,' he says, and 'resource adequacy concerns threaten to slow the transition. The clean energy industry must prioritize changing policy-makers' perceptions of resource adequacy and the development of new planning models that allow all technologies capable of providing reliable service to compete on an equal footing.' [Read More at The Energy Mix](#)

E-Bike Popularity Muscles Cars Off European Roads



Credit: brewbooks/flickr

Europe's shift to bicycles and e-bikes is accelerating as lingering concerns about coronavirus meet with a heightened environmental consciousness—a trend of planet-friendly progress that is being aided by supportive government policies. The pandemic has spurred 1,500 kilometres of new bike lanes in the region, reports Bloomberg Green. "Bikes are increasingly muscling aside cars on Europe's city streets," with e-bikes proving especially popular. Meanwhile, "governments are fuelling the trend, offering buying incentives ranging from €100 to as much as €1,500 for heavy business users of e-bikes." And then there are the infrastructural changes precipitated by the pandemic lockdown, which "prompted authorities in 32 of the European Union's biggest cities to bring forward planned improvements, according to the European Cyclists' Federation." While Belgium, Denmark and the Netherlands are all "pioneering fast lanes" that are custom-designed for bike and e-bike commuters, other jurisdictions have simply shunted cars aside, as cities like Rome "mostly just paint bike lanes on existing roadways, and Berlin and Paris set up pop-up lanes." Swapfiets Managing Director Onno Huyghe told Bloomberg that while the coronavirus has been a factor, the real cause comes down to preference: "Most people simply recognize that the bicycle is the best means of transport in the city," he said. [Read More at The Energy Mix](#)

GOOD NEWS

Study Shows Humans Are Optimists For Most Of Life



Researchers have completed the largest study of its kind to determine how optimistic people are in life and when as well as how major life events affect how optimistic they are about the future. "We found that optimism continued to increase throughout young adulthood, seemed to steadily plateau and then decline into older adulthood," said William Chopik, MSU assistant professor of psychology at Michigan State University and lead author. "Even people with fairly bad circumstances, who have had tough things happen in their lives, look to their futures and life ahead and felt optimistic." The study, published in the *Journal of Research in Personality*, surveyed 75,000 American, German and Dutch people between the ages of 16 and 101 to measure optimism and their outlook about the future. Chopik said the researchers looked at life events such as: marriage, divorce, a new job, retirement, changes in health and loss of a partner, parent or child. "Counterintuitively -- and most surprising -- we found that really hard things like deaths and divorce really didn't change a person's outlook to the future," Chopik said. "This shows that a lot of people likely subscribe to the 'life is short' mantra and realize they should focus on things that make them happy and maintain emotional balance. "As people age into the elderly phase of life, the study showed a shift to declines in optimism, likely driven by health-related concerns and knowing that the bulk of life is behind you. While the elderly aren't full-fledge pessimists, Chopik said, there is still a noticeable change." [Read More at Science Daily](#)

MORE GOOD NEWS

Institutional Investors Unhappy With Government Response To Climate Action



Climate change might be infiltrating investor conversations at every level but the big question is, will investors abandon their sustainability ambitions to deal with the financial shocks of the pandemic? This is a conversation that JANA, an investment consulting firm that advises some of the country's largest super funds and insurance companies (around \$600 billion in assets worth), is having with many of its clients, according to head of responsible investment research Tim Conly. Conly, who heads the firm's five-person responsible investment team, says it's hard to know what will happen, with governments in a position to go "two ways" in how it chooses to stimulate the economy. On why investors – and people more generally – have been slow to act on climate change when compared to the coronavirus pandemic, Conly says it's "hard for people to visualize and grasp longer term things. The research was based on a couple of different scenarios: The first being a business-as-usual model where we end up with a 3 degree increase in global temperatures, and the second charts a "more aggressive" policy response and technology development that keeps long-term temperature rise to 1.8 degrees. [Read More at The Fifth Estate](#)

OPINION

How To Fix The Covid-19 Dumpster Fire In The U.S.



The U.S. response to the Covid-19 pandemic is a raging dumpster fire. Where a number of countries in Asia and Europe (and Canada) have managed to dampen spread of the SARS-CoV-2 virus to the point where they can consider returning to a semblance of normalcy, many international borders remain closed to Americans. One thing is clear, according to public health experts: Widespread returns to lockdown must be a last resort — and may not be doable. "It would be really a morale breaker," Anthony Fauci, director of the National Institute for Allergy and Infectious Diseases, told STAT. "The stress and strain that people were under during prolonged lockdown is the genesis of why, when they were given the opportunity to try and open up, they rebounded so abruptly. Because what I think happened is, they overshot." None is a magic bullet. This is going to be a painful and slow process. But there are things individuals, public health departments, state and local governments, and the Trump administration can do:

- Turn the clock back
- Embrace al fresco living but tailor tools to local settings
- Get creative with risk communications
- Teach people to think in terms of harm reduction
- Accept that for now the virus has the upper hand
- Mine the data more efficiently
- Consistent communications for all levels of government
- Cut out the politics
- Provide more help for the hardest hit
- Daily home testing, with government funds
- Contact tracing, with national support

[Read More at Stat News](#)

SPOTLIGHT ON POLICY

Wildlife Trade Between South Africa And China Exposed – Legal And Illegal



Source: Ban Animal Trading

In the second instalment of their *Extinction Business* series, the EMS Foundation and Ban Animal Trading have released a report into South Africa's 'legal trade' in wild animals with China, exposing numerous irregularities and violations, as well as how this purported 'legal trade' facilitates the illegal laundering of wild animals. In the sequel to their report on South Africa's lion breeding industry and the trade in lion bones, the two NGOs systematically obtained their information through governmental and non-governmental sources to investigate the permits issued for the export of wild animals, as well as their final destination. The report, entitled *Breaking Point*, highlights the many loopholes in the existing [CITES \(a multilateral treaty to protect endangered plants and animals\)](#) monitoring systems and opportunities for abuse and corrupt practices (a previous study with similar criticisms of CITES can be read [here](#)). Here are some of the points of failure highlighted by the report:

- illegal shipments masquerading as legal;
- compliance and enforcement negligence;
- little to no verification measures;
- little to no record as to the origin or destination of the animals; and
- no verification that animals are captive-bred.

Such is the failure of CITES, says the report, that the system should be scrapped entirely, to be replaced by an altogether different approach. COVID-19, say the authors, should be viewed as an opportunity to create a shift from "an anthropocentric to a more ecocentric system of values" with an overall ban in wildlife trade. [Read More at Africa Geographic](#)

Grassy Narrows First Nation Fears Further Mercury Poisoning As Ontario Government Ends Assessments For Clear-Cut Logging



Indigenous communities in Ontario's north fear another round of mercury poisoning after the provincial government eliminated environmental assessments for commercial clear-cutting on Crown forest land. The change was made on Canada Day, a few hours after Premier Doug Ford's office posted a news release that listed more than a dozen regulatory and legislative changes within 11 ministries. The government says it is "ending duplication" by removing logging activities from the Environmental Assessment Act, which falls under the Ministry of the Environment, Conservation and Parks. Now, logging plans and practices will only be answerable to the Ministry of Natural Resources and Forestry, and its Crown Forest Sustainability Act. Studies have shown that clear-cut logging, which is the practice in the crown Boreal forest lands that surround the Grassy Narrows traditional territory, releases mercury that had previously settled in the soil after blowing north, often from industries in the United States. "If you clear-cut an area with watershed, you are going to end up with mercury in the water system. The only issue is how quickly and how much" said Joseph Castrilli, a lawyer with the Canadian Environmental Law Association. In recent years, *Toronto Star* investigations and scientists have shown that fish near Grassy Narrows remain the most contaminated in the province; that there is mercury-contaminated soil and river sediment at or near the site of the old mill; and the provincial government knew in the 1990s that mercury was visible in soil under that site and never told anyone in Grassy Narrows or nearby Wabaseemoong (Whitedog) Independent Nations. [Read More at The Star](#)



Credit: Office UN Special Rapporteur on the Rights to Physical & Mental Health

Quote Of The Week

Child psychiatrist Dainius Pūras, the *UN Special Rapporteur on the rights to physical and mental health*, argues that the dominant biomedical view of 'mental illness' has led the psychiatric and psychological fields to focus on institutionalization and biological interventions (e.g., psychotropic medications) at the expense of human rights and social change. He calls for a transformation in the way we collectively understand and intervene on mental health issues, and suggests that we shift our attention to the social determinants of health and prioritize human rights—which have been neglected by the current psychiatric framework. He writes:

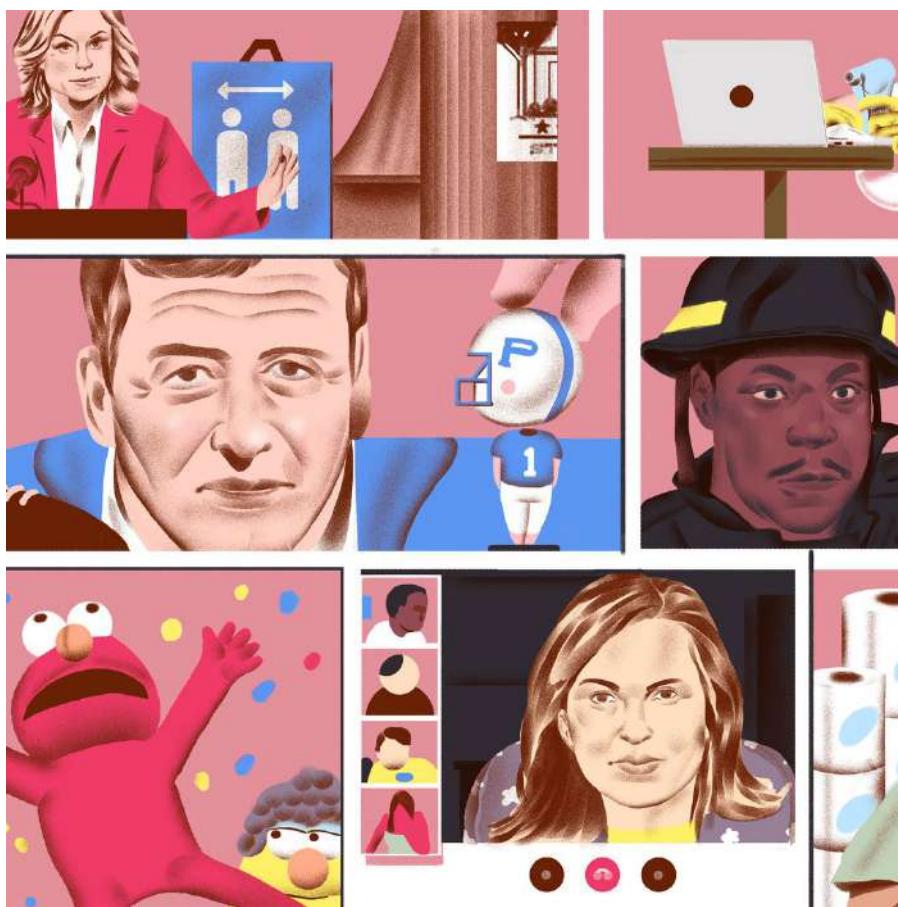
"Power asymmetries in mental health care, the dominance of the biomedical model, and the biased use of knowledge, need to be addressed by changes in laws, policies, and practices. In particular, the dominance of medicalization in both existing and even in some 'progressive' policy reforms continues to mask broader social injustices that must be confronted and addressed by the global community... Scaling up rights-based support within and outside existing mental health systems holds much promise for the changes that are needed."

Upcoming Events

- September 22nd - 23rd: U.N. [Summit on Biodiversity](#) (New York City, USA)
- October 19-22, 2020 (Virtual): Canadian Conference for Global Health: Global Health In A Changing Climate
- November 9th-19th: [2020 UN Climate Change Conference](#) (UNFCCC COP26) (Glasgow, Scotland) - [Postponed until latter 2021](#)
- June 7th-9th 2021: [Executive Course: Global Health Diplomacy](#) (University of Toronto, Canada)

FYI#1 SPOTLIGHT ON MEDIA:

Covid-19 Watch: Back and Forth, Up and Down: A Deadly Dance



Regular blogs on COVID-19 by Professor Alan Whiteside, OBE, Chair of Global Health Policy, Basillie School of International Affairs, Waterloo, Canada & Professor Emeritus, University of KwaZulu-Natal – www.alan-whiteside.com

This week it is time to reflect on the Covid-19 numbers and how they have changed over the past few months. There have been significant changes in the 'hotspots', however the global trend is, tragically, upwards. The two clear messages are: there needs to be constant vigilance against the introduction of new cases, which has been seen in New Zealand and Australia, as well as outbreaks in some European countries; the second is the rate of spread can be exceptionally rapid. On July 13 there were 13.3 million cases globally. The US leads the table with nearly three million, second was Brazil, India has moved into third place, with Russia in fourth. New entrants to my table are Peru and Chile, this moves the UK into seventh place. South Africa is probably in the deepest trouble in Africa. All of this was, as might be expected, extremely sobering. It brings me back to the question, what can I, my family and friends, and you do? There are some obvious answers: spend and give in a targeted manner, and probably give more now because these resources are really needed. Put pressure on the politicians, locally and nationally – taxes will have to go up! Think local, act global and be kinder.

Read More at Alan Whiteside Blogs

FYI #2

Five Horrible Things Extreme Heat Does To The Human Body



Credit: Getty Images

Temperatures are blistering over much of eastern Canada, with daytime highs in the 30s feeling past 40 with the humidity. When it is this hideously hot, it's usually a good idea to treat the risks with respect, and take steps to protect yourself, when:

1. Your body starts acting weird.
2. Your brain doesn't work right
3. Heat exhaustion sets in
4. Heat stroke takes you to death's door
5. Heat waves can kill thousands

Confusion and dizziness are common effects of too much exposure to extreme heat, thanks to increased blood flow to dilated blood vessels and fluid loss through sweating. Keep this in mind the next time you feel like going for a run in 35C/95F-degree weather.

Read More at The Weather Network

FYI #3

EVs Put To Use In Ride Hailing Deliver More Carbon Benefits Than In Personal Use



Credit: Becky Davis/Oxfam

Electric vehicles (EVs) could deliver even greater environmental benefits if they were to be used by ride-hailing services like Uber and Lyft than if they were to go to private use, according to a new study from the University of California, Davis. Replacing a gasoline ride-hailing vehicle with an EV can deliver three times the carbon reduction of a personally-owned electric car, according to the study. Based on Uber and Lyft travel and charging data in California during 2017 and 2018, the study found highlighted that many ride-hailing drivers are already going electric. While electric cars made up a "tiny fraction of traffic," ride-hailing EVs accounted for more than 30% of energy use at public charging stations, according to the study. A California report from earlier this year found that, in order to be called the green choice, ride-hailing needed to go all-electric. State data showed that a significant amount of mileage was wasted "deadheading"—driving to, from, or in between rides, without paying passengers onboard.

Read more at [Green Car Reports](#)

7 Science-Based Health Benefits of Drinking Enough Water



Credit: Pinterest

The human body comprises around 60% water. It's commonly recommended that you drink eight 8-ounce (237-mL) glasses of water per day (the 8×8 rule). Although there's little science behind this specific rule, staying hydrated is important.

Here are 7 evidence-based health benefits of drinking plenty of water:

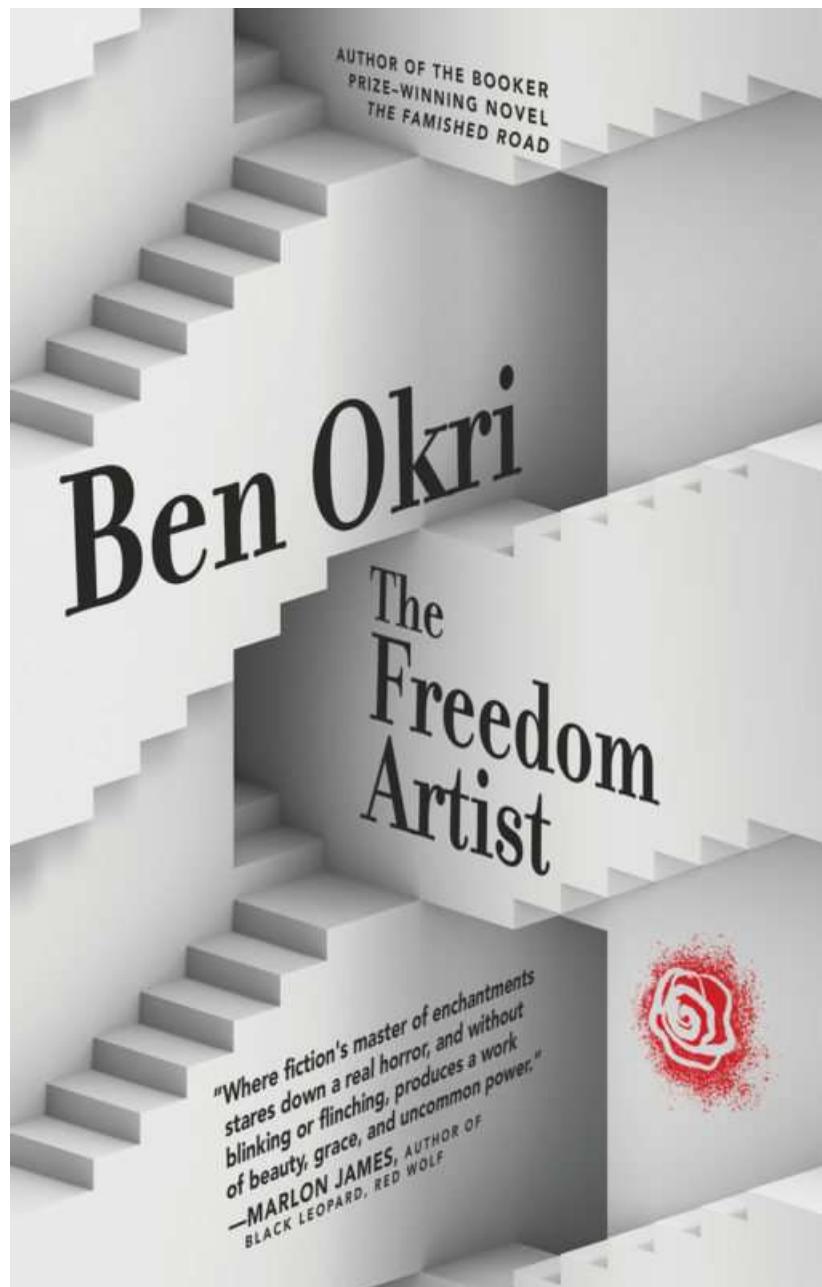
- Helps maximize physical performance
- Significantly affects energy levels and brain function
- May help prevent and treat headaches
- May help relieve constipation
- May help treat kidney stones
- Helps prevent hangovers
- Can aid weight loss

Even mild dehydration can affect you mentally and physically. Make sure that you get enough water each day, whether your personal goal is 64 ounces (1.9 liters) or a different amount. It's one of the best things you can do for your overall health.

[Read more at Healthline](#)

FYI #5: SUMMER READING

The Freedom Artist



By Ben Okri, Akashic Books, 2020

When I first read Ben Okri's *The Freedom Artist*, I wasn't quite sure what to make of it. The book itself isn't dense, but the story is complex, layered, and subtle in its critique of how modern society warps our individual interpretations of our collective reality. This is a book with which to sit, reflect and engage time and time again. Each read teases out another truth, another metaphor, another example of what it means to feel restricted by social norms. Though sometimes heavy-handed with metaphor, Okri does an excellent job of tapping into the darkness of the human psyche. *The Freedom Artist* functions both as a critique on contemporary society's willingness to capitulate to ignorance and an ominous warning of what is possible when people do not think for themselves. Throughout *The Freedom Artist*, Okri weaves in creation stories, effortlessly using magical realism and biblical mythology to postulate what it would look like for divine beings to rescue us from ourselves. Altogether, the question of the novel is this: What would it mean for us to take responsibility for our horrible parts? Is divine intervention the only way out of the prison? Or is there a way that we hold that divinity within ourselves and can be our own saviours from societal and ecological ruination?

[Read More at Akashic Books](#)

FYI#6: SPOTLIGHT ON EDUCATION

The Dalla Lana School Of Public Health At The University Of Toronto Launches The First Ever DrPH Program In Canada



The Dalla Lana School of Public Health (DLSPH) at the University of Toronto is pleased to announce the implementation of a Doctor of Public Health (DrPH) program – the first ever offered by a Canadian university. The program is aligned with the School's [Academic Plan 2019-2024](#) and will serve to bolster and strengthen public health and health systems capacity in Canada, and potentially, across the globe. It is especially relevant and timely, as we continue to face increasingly complex and challenging health and health system problems. DLSPH is exceptionally well suited to deliver a DrPH program, given its outstanding Faculty with expertise in such areas as health system and public health leadership, evidence appraisal and public health, knowledge translation and implementation, public health policy and ethics, Indigenous health and global health.

"Toronto Public Health and DLSPH have a long history of support and collaboration in the field of public health practice and research. The addition of this new program that will help to shape future leaders of public health, is an opportunity to enhance this collaborative partnership and demonstrate the importance of public health, both within Toronto and more broadly." – Dr. Eileen De Villa, Medical Officer of Health, Toronto Public Health

The first cohort of the DrPH program is expected to begin in September 2021.

Read more at Dalla Lana School of Public Health

ENDSHOTS

NEIGHBOURHOOD BEAUTIES IN DAYS OF COVID-19

SWANSEA, TORONTO, ONTARIO

JULY 20, 2020



COUNTRIES RANKED BY NUMBER OF NEW COVID-19 CASES, JULY 16-23, 2020

Source: <https://www.washingtonpost.com/graphics/2020/world/mapping-spread-new-coronavirus/>

Country	Reported cases ▼	Change from July 16		
		Total	Pct.	Deaths
U.S.	3,962,327	▲ 414,862	+12%	140,549
Brazil	2,227,514	▲ 215,363	+11%	82,771
India	1,238,798	▲ 269,922	+28%	29,861
Russia	793,720	▲ 42,108	+6%	12,873
South Africa	394,948	▲ 70,727	+22%	5,940
Peru	366,550	▲ 24,964	+7%	13,767
Mexico	362,274	▲ 38,233	+12%	41,190
Chile	334,683	▲ 10,985	+3%	8,877
Britain	297,952	▲ 3,836	+1%	45,586
Iran	284,034	▲ 16,973	+6%	15,074
Pakistan	269,191	▲ 11,277	+4%	5,709
Spain	267,551	▲ 8,696	+3%	28,426
Saudi Arabia	260,394	▲ 17,156	+7%	2,635
Italy	245,032	▲ 1,296	+1%	35,082
Turkey	222,402	▲ 5,529	+3%	5,545
Colombia	218,428	▲ 53,259	+32%	7,373
Bangladesh	216,110	▲ 19,787	+10%	2,801
France	215,605	▲ 4,503	+2%	30,175
Germany	204,484	▲ 3,034	+2%	9,109
Argentina	141,900	▲ 27,117	+24%	2,617
Canada	113,957	▲ 2,813	+3%	8,915
Qatar	107,871	▲ 2,394	+2%	163
Iraq	102,226	▲ 16,078	+19%	4,122

162 countries with fewer than 100,000 cases. [See all ▼](#)

Last updated: July 23 at 11:30 a.m.



COUNTRIES RANKED BY NUMBER OF COVID-19 DEATHS, JULY 9-16, 2020

Source: <https://www.washingtonpost.com/graphics/2020/world/mapping-spread-new-coronavirus/>

Country	Reported cases	Total	Change from July 16 Pct.	Deaths ▼
U.S.	3,962,327	▲ 414,862	+12%	140,549
Brazil	2,227,514	▲ 215,363	+11%	82,771
Britain	297,952	▲ 3,836	+1%	45,586
Mexico	362,274	▲ 38,233	+12%	41,190
Italy	245,032	▲ 1,296	+1%	35,082
France	215,605	▲ 4,503	+2%	30,175
India	1,238,798	▲ 269,922	+28%	29,861
Spain	267,551	▲ 8,696	+3%	28,426
Iran	284,034	▲ 16,973	+6%	15,074
Peru	366,550	▲ 24,964	+7%	13,767
Russia	793,720	▲ 42,108	+6%	12,873
Germany	204,484	▲ 3,034	+2%	9,109
Canada	113,957	▲ 2,813	+3%	8,915
Chile	334,683	▲ 10,985	+3%	8,677
Colombia	218,428	▲ 53,259	+32%	7,373
South Africa	394,948	▲ 70,727	+22%	5,940
Pakistan	269,191	▲ 11,277	+4%	5,709
Turkey	222,402	▲ 5,529	+3%	5,545
Iraq	102,226	▲ 16,078	+19%	4,122
Bangladesh	216,110	▲ 19,787	+10%	2,801
Saudi Arabia	260,394	▲ 17,156	+7%	2,635
Argentina	141,900	▲ 27,117	+24%	2,617
Qatar	107,871	▲ 2,394	+2%	163

162 countries with fewer than 100,000 cases. [See all ▼](#)



COUNTRIES RANKED BY PERCENT INCREASE OF NEW COVID-19 CASES, JULY 9-16, 2020

Source: <https://www.washingtonpost.com/graphics/2020/world/mapping-spread-new-coronavirus/>

Country	Reported cases	Change from July 16		
		Total	Pct. ▼	Deaths
Colombia	218,428	▲ 53,259	+32%	7,373
India	1,238,798	▲ 269,922	+28%	29,861
Argentina	141,900	▲ 27,117	+24%	2,617
South Africa	394,948	▲ 70,727	+22%	5,940
Iraq	102,226	▲ 16,078	+19%	4,122
Mexico	362,274	▲ 38,233	+12%	41,190
U.S.	3,962,327	▲ 414,862	+12%	140,549
Brazil	2,227,514	▲ 215,363	+11%	82,771
Bangladesh	216,110	▲ 19,787	+10%	2,801
Peru	366,550	▲ 24,964	+7%	13,767
Saudi Arabia	260,394	▲ 17,156	+7%	2,635
Iran	284,034	▲ 16,973	+6%	15,074
Russia	793,720	▲ 42,108	+6%	12,873
Pakistan	269,191	▲ 11,277	+4%	5,709
Chile	334,683	▲ 10,985	+3%	8,677
Spain	267,551	▲ 8,696	+3%	28,426
Turkey	222,402	▲ 5,529	+3%	5,545
Canada	113,957	▲ 2,813	+3%	8,915
Qatar	107,871	▲ 2,394	+2%	163
France	215,605	▲ 4,503	+2%	30,175
Germany	204,484	▲ 3,034	+2%	9,109
Britain	297,952	▲ 3,836	+1%	45,586
Italy	245,032	▲ 1,296	+1%	35,082

162 countries with fewer than 100,000 cases. [See all ▼](#)

Last updated: July 23 at 11:30 a.m.



DATA BELOW AS OF JUNE 22, 2020

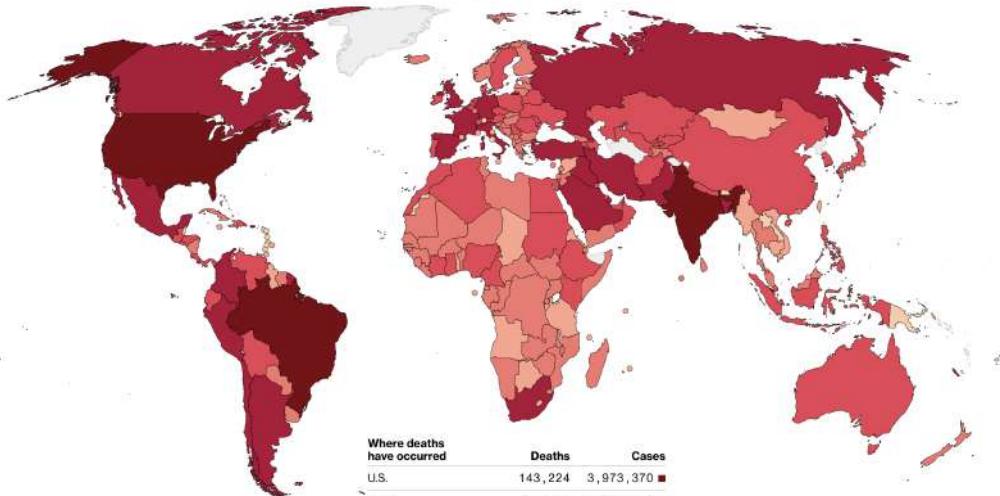
15,265,081 624,370

Confirmed cases worldwide

Deaths worldwide

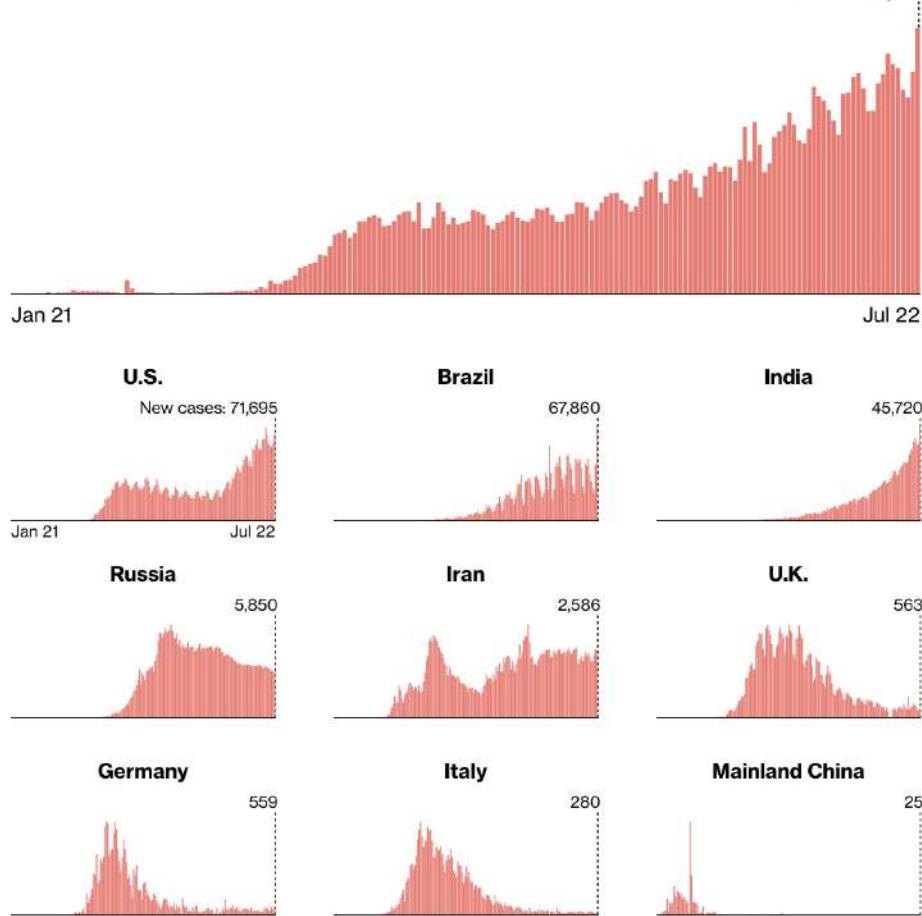
Jurisdictions with cases confirmed as of July 23, 2020, 10:34 AM EDT

1-9 10-99 100-999 1,000-9,999 10,000-99,999 100,000-999,999 1 million or more



Global Cases Added Per Day

New cases: 279,713



Note: On February 14, Hubei officials changed their diagnostic criteria, resulting in a spike in reported cases.



Canada

112,485

Total confirmed cases

Global

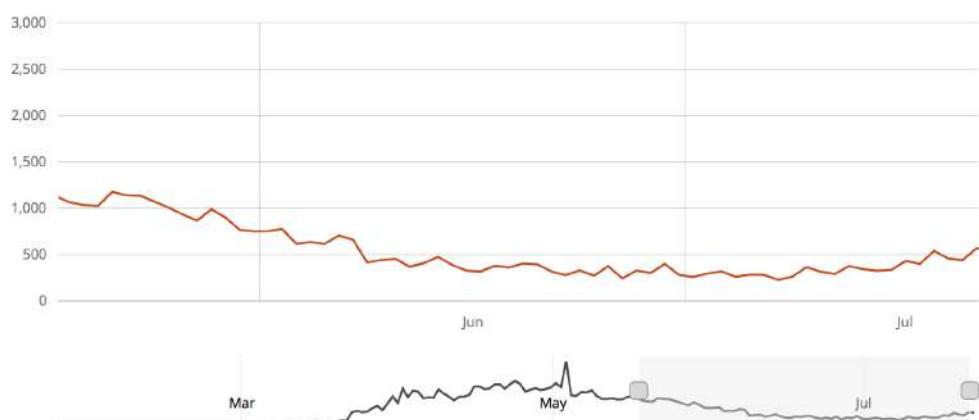
14,947,428

Total confirmed cases

Daily new cases

[View as chart](#)

[View as table](#)

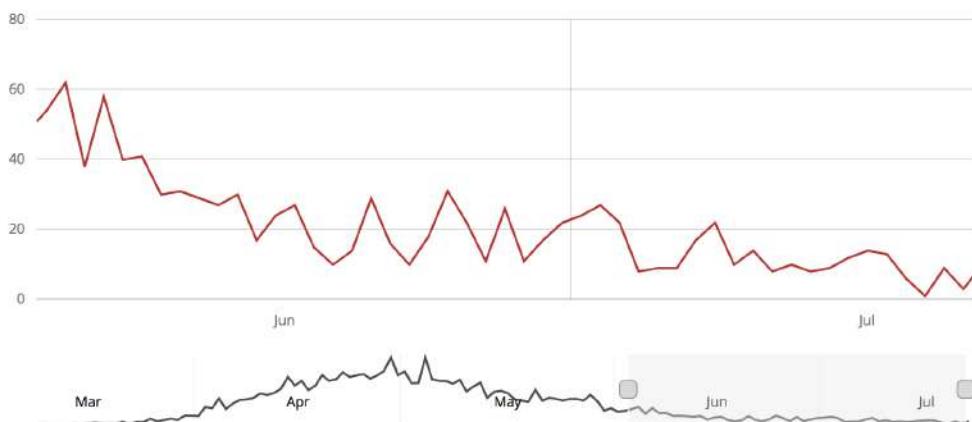


Source: <https://newsinteractives.cbc.ca/coronavirustracker/>



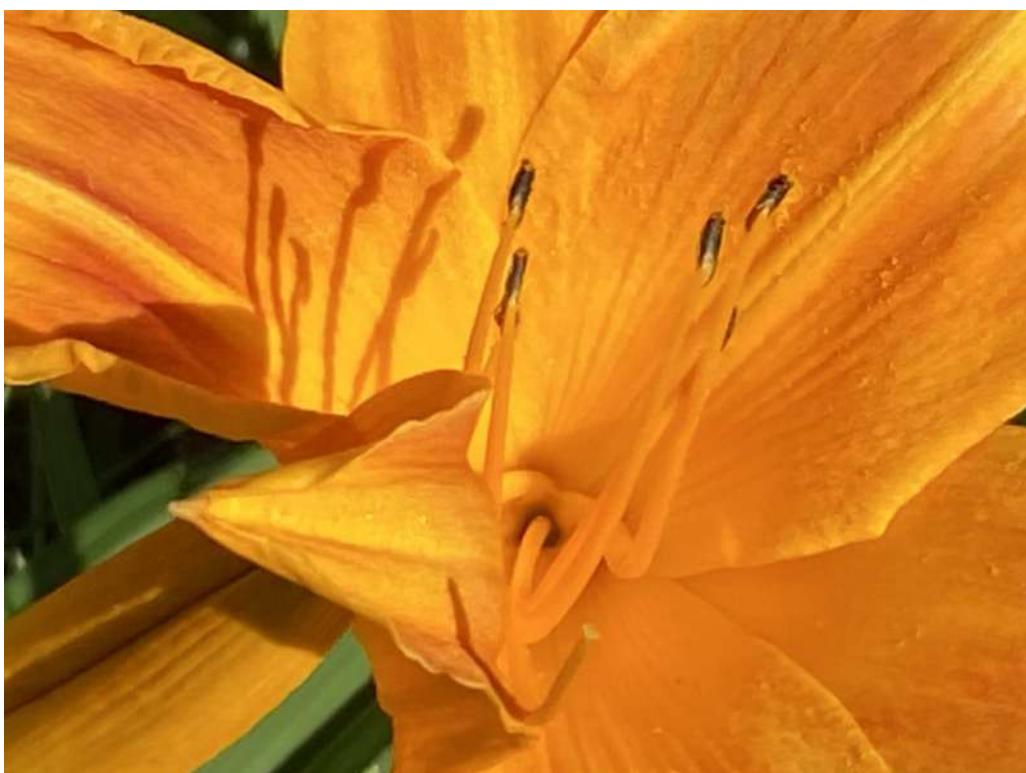
Daily deaths

[View as chart](#) [View as table](#)



CANADA: Daily Deaths

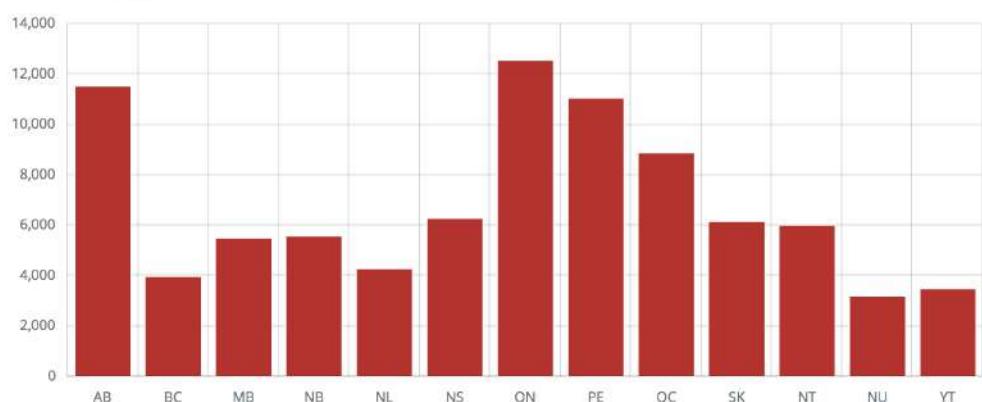
Source: <https://newsinteractives.cbc.ca/coronavirustracker/>



Regional testing rates

[View as chart](#) [View as table](#)

Per capita Total number



CANADA: Regional Testing Rates

Source: <https://newsinteractives.cbc.ca/coronavirustracker/>



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