

PLANETARY HEALTH WEEKLY



CURRENT NEWS ON ECOLOGICAL WELLNESS AND GLOBAL HEALTH

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August 27,

HI, Each week we learn more about the effects of the pandemic, more about how it's currently fundamentally altering society. I just heard an interview on the radio about many musicians leaving Toronto as they can afford to live here any longer as their sources of income have mostly disappeared. I've learned of many families also moving out to less expensive nearby towns for more affordable living opportunities, especially now that parents are able to work from home and no longer need to commute to the office. This being, perhaps, one of the most fundamentally altering effects of Covid-19 aside from the destruction of many many jobs. And what about education, a profession that has and continues to occupy much of my life? Well, it too is being fundamentally altered, right from kindergarten through primary, secondary and post-secondary levels, affecting every student, probably everywhere in the world, including millions who are losing out on even the poorest of educational opportunities. And then there's health care. Just this last week I had my second telephone appointment with my new family doctor, this time while walking along the beautiful shores of Toronto Island Park on Lake Ontario (see ENDSHOTS). I've never even meet him yet! And then then, there's travel. While road trips are possible, much air travel is not with airports closed all over the world, both to tourists, business and academics alike. So, at minimum: health care, education, employment and travel - four fundamental components of any society, all radically changed already and we're no where near the end of this global, national, societal, family and personal emergency. All this all the while a horribly destructive weather affects millions, including hurricanes striking the USA from the Gulf of Mexico, which just reported two tropical storms at the same time for the first time in its recorded history. AND many parts of the earth are burning out of control, especially as we are made aware in the Amazon and now again California where amazing forests, towns and homes have turned to ash from the effects an increasingly abnormal hot and dry climate. And I haven't even mentioned glaciers, heat days in cities (including many in Toronto this summer),

agriculture and food production, and who knows what else. All the while a new deadly and sickening virus continues to spread widely around the world, newly infecting each week about two million people and killing 6000 and leaving many to suffer increased levels of loneliness, depression and anxiety. It's really not a rosy picture as we approach the opening of schools and the beautiful autumn season.

Too bad the virus doesn't attack climate change! But only we can beat these challenges. Only we can work to slow the spread of the virus and reduce carbon emissions to slow climate change and the beginning of its horrible consequences. Only we can save our world from further damage to life and nature.

I hope you'll read today's ***Planetary Health Weekly*** (#35 of 2020) to learn more about these global emergencies, both the dangers and solutions. As follows read: Lots more

- Covid-19 Updates including:
 - How the UK's climate science deniers are turning their attention to Covid-19,
 - Bill Gates on Covid-19: most US tests are 'completely garbage',
 - People with disabilities being excluded from reopening plans,
 - The story about the IMF, COVID-19 and anti-corruption and the IMF anticorruption tracker,
 - The Covid-19 economic crash setting Indian women back decades, and
 - What happens in Vegas doesn't stay in Vegas,
 - How to Reopen Schools; What Science and Other Countries Tell Us
- THEN:
- CO2 in Earth's atmosphere nearing levels of 15 million years ago,
- Anger mounting over oil spill in Mauritius,
- Amazon rainforest fires hit 10-year high,
- Why Africa's heatwaves are a forgotten impact of climate change,
- Canada's trans mountain pipeline inches forward with intensified opposition,
- Childhood cancers in Ghana, Kenya's elephant numbers more than doubling over last three decades,
- AMREF Health Africa in Canada slowing the spread of COVID-19 in sub-Saharan Africa,
- Climate finance and the role of ODA,
- Trump administration overturns rules on methane leaks,
- Canadian government commits additional \$305m to help Indigenous communities combat COVID-19,
- A sober statement by WHO's Bruce Aylward,
- Young climate activists and top climate experts to follow on Twitter,
- The joys and tribulations of remote work,
- Senegal's village of women (who stay),

- Large order for electric garbage trucks and world's first electric delivery truck,
- A new novel "Migrations" by Charlotte McConaghy,
- New climate change training program at Laval University, and
- ENDSHOTS of Toronto Islands amid Pandemic charts and data.

I hope you'll take a look below.

Best, david

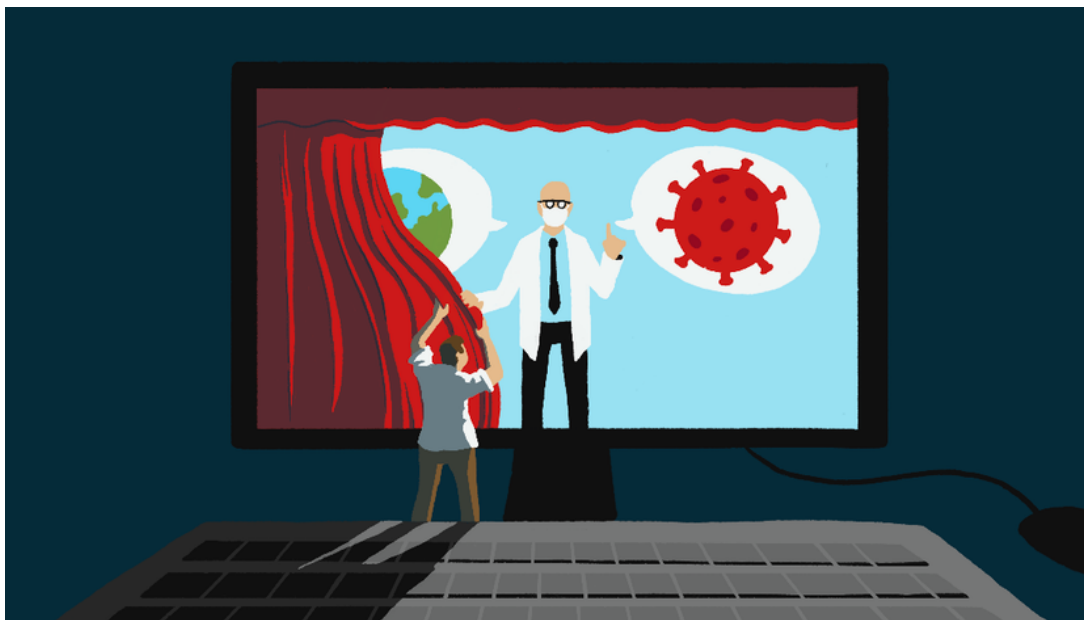
David Zakus, Editor and Publisher



**Monarch Butterfly Heading South, High Park, Toronto
August 22, 2020**

SARS-CoV-2 & COVID-19 UPDATES

How The UK's Climate Science Deniers Turned Their Attention To COVID-19



On December 31, 2019 many of us were reflecting on the past year and thinking about what opportunities lay ahead. Few were paying close attention to early reports of unexplained cases of pneumonia thousands of miles away in Wuhan, the large capital city of China's Hubei Province. But less than three months later, on March 23, Boris Johnson was ordering a national lockdown to try and stop that virus, by then known worldwide as COVID-19, from raging across the UK. This came 52 days after the chief medical officer of England had confirmed the nation's first two cases.

The coronavirus crisis once again saw the UK divided — between those putting their trust in public health experts and their recommendations, and those quick to question the science on which the government claimed to base its decisions for controlling the pandemic. For those who have watched the decades-long efforts to slow climate action, this was a familiar phenomenon. And the coronavirus

pandemic seemed to give fresh ammunition to some familiar faces. A close look at commentary on both COVID-19 and climate change reveals significant crossover between unqualified voices casting doubt on experts recommending action. Why? Read more at [Desmog](#).

MORE COVID-19 STORIES:

At The Healthy Debate: [People with Disabilities Excluded from Re-opening Plans](#)

At Wired: [Bill Gates on Covid-19: Most U.S. Tests are 'Completely Garbage](#)

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

At Futurism: [According to New Research, Kids Spread COVID-19 Like Crazy](#)

At Transparency International: [The IMF, COVID-19 and Anti-corruption: The Story So Far](#)

At Transparency International: [IMF COVID-19 ANTI-CORRUPTION TRACKER](#)

At Foreign Policy: [The COVID-19 Economic Crash Could Set Indian Women Back Decades](#)

At Daily Kos: [What Happens In Vegas Doesn't Stay In Vegas: Sin City Tourists Poised to Spread COVID-19 Nationwide](#)

At NY Times: [How to Reopen Schools: What Science and Other Countries Teach Us](#)

CO2 In Earth's Atmosphere Nearing Levels Of 15 Million Years Ago



Credit: Dmitry Rukhlenko Travel Photos/Alamy Stock Photo

The amount of carbon dioxide in the Earth's atmosphere is approaching a level not seen in 15 million years and perhaps never previously experienced by a hominoid, according to the authors of a study. At pre-lockdown rates of increase, within five years atmospheric CO2 will pass 427 parts per million, which was the probable

peak of the mid-Pliocene warming period 3.3m years ago, when temperatures were 3C to 4C hotter and sea levels were 20 metres higher than today.

But it seems we must now go much further back to see what's ahead. Some time around 2025, the Earth is likely to have CO2 conditions not experienced since the Middle Miocene Climatic Optimum 15m years ago, around the time our ancestors are thought to have diverged from orangutans and become recognizably hominoid. [Read More at the Guardian.](#)

Amazon Rainforest Fires Hit 10-Year High Despite Brazil's Fires 'Ban'



Credit: Greenpeace

It's now a picture of deforestation in the Amazon in July and August, 2020. The fires season in the Amazon rainforest has seen its worst start to August in a decade, with protected areas in particular seeing an increase in blazes over the past 10 days.

The first 10 days of August saw 10,136 fire spots across the Amazon, a 17% increase on the same time last year – despite a 120-day Brazilian fires “ban” announced by the Bolsonaro administration in July still being in place – according to analysis of official data by Greenpeace’s Unearthed investigations unit.

Data, too, from INPE, Brazil’s space agency, shows it was the the highest number for the beginning of August since the 11,280 fires seen in 2010, when a severe drought in the Amazon shrank the Rio Negro to its lowest level in 109 years. [Read More at INews.](#)

‘This Is Unforgivable’: Anger Mounts Over Mauritius Oil Spill



Credit: Laura Morosoli/EPA, via Shutterstock

Volunteers are now cleaning up oil that washed ashore from a grounded ship on the southeast coast of Mauritius. Islanders have joined together in an effort to contain an estimated 1,000 tons of fuel oil that leaked into the pristine waters surrounding the picturesque nation off Africa's eastern coast..

In the days since Mauritius has confronted one of its worst environmental disasters. Many have donated money and food for cleanup operations, and teamed with friends and colleagues to help limit the damage. Together, they have made makeshift booms from fabric and sugar cane leaves to contain the oil, collected hair and plastic bottles to absorb and clean up the slick, scrubbed contaminated beaches, and raised awareness online about the extent of the damage. [Read More at NY Times.](#)

Canada's Trans Mountain Pipeline Inches Forward, But Opposition Intensifies



Credit: [DESMOG BLOG](#)

Late one night this past April, four people on off-road vehicles drove into a small, Indigenous village near the town of Blue River in British Columbia, Canada. It was dark and the vehicles drove through deep snow, smashing through wooden signs and barriers that guarded the village of tiny houses, erected in the path of a long-distance oil pipeline that runs from Alberta to the Pacific Coast. The attackers punched and kicked a man, shouting profanity and racial slurs. One of them stole a truck and used it to mow down a display of red dresses, hung as a memorial to [missing and murdered Indigenous women and girls](#), who are disproportionately affected by violence. The driver then crashed the truck into one of the houses.

The small houses were built by Secwepemc and Ktunaxa people, who built them to assert their rights over unceded Indigenous land, through which an expansion of the Trans Mountain pipeline is slated to carry diluted tar sands oil. Members of the village believe the attack was related to their opposition to the pipeline.

Confrontation between the Trans Mountain pipeline expansion and a variety of Indigenous and environmental groups is heating up, precisely because the new pipeline is now moving forward with construction after years of legal battles.

The government of Prime Minister Justin Trudeau purchased the Trans Mountain system from Kinder Morgan in 2018 in order to keep the expansion alive. Texas-based Kinder Morgan was about to scrap the project, but Canada [bought](#) it for C\$4.5 billion and vowed to see a second, “twin,” pipeline built alongside the existing line. The expansion would triple the system’s capacity to 890,000 barrels of oil per day, allowing Alberta’s tar sands to expand to overseas markets.

In July, Canada’s Supreme Court dismissed an appeal from a group of Indigenous nations, who say the consultation process was flawed because the government, which now owns the pipeline project, is also the one that approved it just a year later. “To let the federal government be its own judge and jury of its consultation

process was flawed in so many ways,” Syeta'xtn (Chris Lewis) of the Squamish Nation told [the CBC](#). [Read More at Desmog Blog](#)

Childhood Cancers In Ghana — We Must Do More To Protect The Vulnerable Among Us



Credit: [Kate Holt / MCSP](#) / [CC BY-NC-ND](#)

At home one afternoon, I received a call with some disturbing information. My colleague at Cape Coast Teaching Hospital in Ghana told me that a girl called Akua — a 3-year-old whose name has been changed here to protect her identity — had come to the hospital with her eye protruding from its socket. My colleague suspected cancer, so she sent the mother to the radiology department to obtain a head CT scan before being admitted into the hospital ward. However, four hours later, Akua and mother still had not arrived at the ward. I placed a phone call and learned the truth: Akua’s mother had decided to return home with her ill child because she could not afford the CT scan. She could not even pay for the diagnosis, let alone the treatment. For her, it was the end of the road. Sadly, Akua’s story is all too familiar. While childhood cancers only account for about [1% of all cancers](#), a [2015 review of cancer registries](#) across 18 African countries found that the proportion of childhood cancers out of all cancers ranged from 1.4% in Ghana to 10% in Rwanda. [Read More at The Devex](#)

GOOD NEWS

Amref Health Africa In Canada To Slow The Spread Of COVID-19 In Sub-Saharan Africa With Additional Funding



Credit: AMREF

South Africa has the world's fifth-highest number of reported cases of Covid-19. It accounts for 53% of the confirmed cases and 43% of deaths from Covid-19 in Africa. Its cemeteries are overflowing. But that does not mean the rest of the continent is being spared. Instead it reflects a lack of data in most other countries—and how their peaks may be yet to come.

As of August 5th the Africa Centres for Disease Control and Prevention, a public-health body, had recorded 992,710 cases in Africa. It took about five months for the continent to reach 500,000 cases and another month to reach close to 1m. The compound daily growth rate of new cases over the past two weeks was higher in sub-Saharan Africa than in other regions. In reality the millionth African contracted Covid-19 many weeks ago. The full extent of the undercount is unknown. The share of tests that come up positive is below 5% in only a few countries, suggesting widespread underreporting elsewhere. Low test-positivity-rates are found in states with relatively efficient governments, such as Botswana; countries with feared security forces, like Uganda; and those that have both, such as Rwanda. [Read More at AMREF Canada.](#)

MORE GOOD NEWS

Kenya's Elephant Numbers Double Over Three Decades



Credit: picture-

[alliance/dpa/K. Senosi](#) Efforts to curb poaching have helped Kenya's elephant population more than double over the past three decades, Kenya Wildlife Services (KWS) has announced. There were just 16,000 elephants in Kenya in 1989, but by 2018 that number had grown to more than 34,000, KWS director John Waweru said during a visit to Amboseli National Park to mark World Elephant Day. "In the past couple of years, we have managed to tame poaching in this country," Kenya Tourism Minister Najib Balala told reporters at the event.

The number of elephants poached in Kenya in 2020 is down significantly from previous years — just seven so far this year, compared to 34 in 2019 and 80 in 2018. Across Africa as a whole, however, the figures tell a bleaker story. Poaching has had a devastating impact the continent's elephant population over the decades. Africa was home to 1.3 million elephants in the 1970s, but today has only around 500,000. Less than 30,000 elephants are estimated to remain in the wild. Kenya and other sub-Saharan African countries in recent years saw a surge in poaching, [driven by a demand in Asia](#) for ivory and rhino horns that are used in traditional medicine. [Read more at MSN.](#)

OPINION

Financing For The Future: Climate Finance And The Role Of ODA



Credit: [Donortracker](#)

Achieving the goals set out in the 2015 Paris Agreement will require a radical change in the structure of the global economy. This change will not happen in low- and middle-income countries (LMICs) without the provision of predictable and transparent financing for climate change mitigation and adaptation. Given that LMICs are among those hardest hit by the impacts of climate change, the importance of these investments goes beyond global climate change goals: Inaction on the part of donor countries has the potential to undermine a multitude of hardwon development gains across sectors.

With less than a decade left to achieve the Sustainable Development Goals (SDGs), donors need to do more to support LMICs to adapt to the impacts of climate change and to develop in a climate-sensitive way. In recognition of the importance of this issue to the future of global development efforts, the Donor Tracker has added 'Climate' as a sector of analysis to its 14 Donor Tracker Profiles. This Donor Tracker 'Insights' piece complements the individual donor profiles by examining the need for international climate finance in LMICs and the role that Official Development Assistance (ODA) can and should play. [Read More at DonorTracker.](#)

SPOTLIGHT ON POLICY

Trump Administration Overturns Rules On Methane Leaks



Credit: Luke Sharrett/Bloomberg News

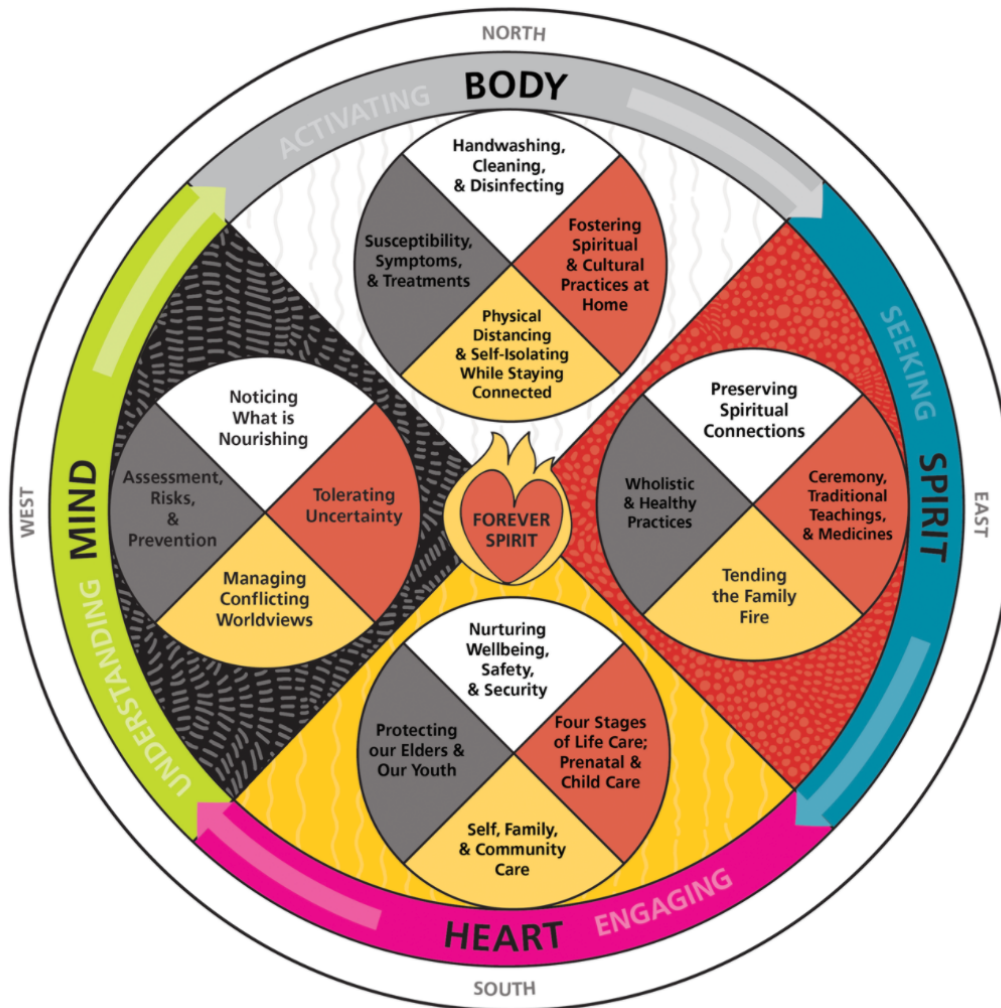
Methane leaks from oil and gas wells will no longer be regulated in the US, reports the Financial Times, “as the Trump administration rolls back a set of environmental rules even in the face of opposition from large oil and gas companies”. Andrew Wheeler, the head of the US Environmental Protection Agency (EPA), just announced a finalized version of proposals originally made last November to remove methane from federal oversight across the oil and gas industry. The new rules rescind standards that specifically regulate methane emissions from oil and gas production, processing, transmission and storage, the Hill says.

The EPA plans to use new methane rules to help set a “higher bar” for regulating other emissions that contribute to climate change [implying weaker standards], according to people familiar with the situation and an excerpt of the new rule, notes the [Wall Street Journal](#). The change is “effectively freeing oil and gas companies from the need to detect and repair methane leaks”, says the [New York Times](#). It continues: “The rollback of the last major Obama-era climate rule is a gift to many beleaguered oil and gas companies, which have seen profits collapse from the Covid-19 pandemic. But it comes as scientists say that the need to rein in methane leaks at fossil fuel wells nationwide has become far more urgent.” (Recent research, covered by [Carbon Brief](#), shows that methane emissions hit the “highest levels on record” in 2017.). [Read More at Carbon Brief](#)

SPOTLIGHT ON INDIGENOUS WELLNESS

Canadian Government Commits Additional \$305M To Help Indigenous Communities Combat COVID-19

INDIGENOUS WELLBEING in the Times of COVID-19: Four Directions Virtual Support Hub



Credit: Women's College Hospital, Toronto

The federal government has announced an additional \$305 million to help [Indigenous Peoples](#) combat [COVID-19](#). Indigenous Services Minister Marc Miller says the money is meant to help Indigenous communities prepare for emergencies and prevent the spread of the new [coronavirus](#). He says communities can also use the money for a variety of other measures, including helping elders and vulnerable people, food insecurity, educational and other supports for children and mental health assistance. The new money will flow through the Indigenous community support fund, bringing the total amount to \$685 million this year.

Some funding will also go to First Nations living off-reserve as well as Inuit and Metis people living in urban centres, distributed based on need through an application process. Miller says Ottawa is committed to ensuring Indigenous leaders have the tools and support they need to implement the various aspects of their pandemic plans. To date there have been 425 confirmed cases of COVID-19 on First Nations reserves, with 34 people hospitalized. Of these, 393 have recovered from the virus. There have also been 17 cases in the Nunavik region in northern Quebec. All have recovered. [Read More at National Observer.](#)



Fabrice Coffrini/AFP via Getty Images

Quote Of The Week

"The vast majority of the population of the world is susceptible to this disease (Covid-19). The second thing that we are seeing is the stringency of the application of control measures is dropping. People are coming closer together... masks aren't being used the way that they should etc.

"So any levelling of the disease that we are looking at is just lulling you into a sense of false security ... because it has lots of space to still cause trouble."

Bruce Aylward, Lead WHO Health Expert

Read More at Reuters

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**
 - November 14th - 15th: [Results Canada's National Conference \(Virtual\)](#)
 - March 12th-14th: [Consortium of Universities for Global Health Virtual Conference](#)
 - June 7th-9th 2021: [Executive Course: Global Health Diplomacy](#) (University of Toronto, Canada)
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FYI#1 SPOTLIGHT ON MEDIA

YOUNG CLIMATE ACTIVISTS TO FOLLOW ON TWITTER



Credit: Greta Thunberg/Twitter

When did kids become so smart? For months they've been stepping out of school and charging the streets with signs at hand. Not to convince people that climate change is real. (That's a given.) They're marching to demand that global leaders act on climate before it's too late. **After all, their future is on the line.**

We're already seeing the effects of rising global temperatures – [from severe heatwaves to an uptick in tropical diseases](#). If adults continue to stumble on solutions, the next generation will live in an even warmer and harsher planet. Understandably, young people are not staying silent. They're creating a buzz for climate action – both online and offline. To keep up with the conversation, we've created a list of 20 young activists on Twitter.

See also: [Top Climate Experts To Follow On Twitter](#)

FYI #2

Remote Work Really Does Mean Longer Days — And More Meetings



Credit: Chris

Ratcliffe/Bloomberg:

The massive global shift to remote work since the pandemic began has led to some upsides: More flexibility, no commute, more comfortable pants. But those who sense this grand experiment in working from home also comes with plenty of downsides — longer days, more meetings and more email to answer — are now backed up by data from 3.1 million workers.

The average workday lengthened by 48.5 minutes in the weeks following stay-at-home orders and lockdowns, and the number of meetings increased by 13%, a working paper published by the National Bureau of Economic Research showed. The study, which examined the anonymous email and calendar data of more than three million users from an unnamed tech provider, also found significant increases in internal email and in meeting sizes.

Anyone who has been working from home amid the unyielding health crisis — especially those also juggling the education or care of children — will not be

surprised. While anecdotal interviews or smaller surveys have already pointed to similar results, said Jeffrey Polzer, a Harvard Business School professor and one of the paper's co-authors, "what our study adds is documentation at scale of the overall pattern."

[Read More at Washington Post](#)

FYI #3

The Energy To Stay: Senegal's Village Of Women



Credit: Al Jazeera English

In the arid, desolate landscape of northeast Senegal - marked by miles and miles of dust, Saharan sand and solitary Baobab trees - there is a miraculous patch of luscious green. Tall and luxuriant tomato plants sit beside thick, purple aubergines, rows of yellow corn, beds of blooming hibiscus flowers and a cluster of mud-brick homes. This oasis on the banks of the River Senegal, along the border with Mauritania, is home to a community of small-scale farmers spread across a handful of villages who for centuries have been channelling the river's water to grow and consume local produce. But in recent decades, the aridity of the area, which lies at the gateway to the Sahara Desert, has increased dramatically. Arable land has become tougher to find, food production has slowed, livelihoods have worsened, and the men have left in search of work and opportunities abroad.

FYI #4

Nikola Announces Order For 2500 Battery Electric Garbage Trucks



Credit: Greencarreport

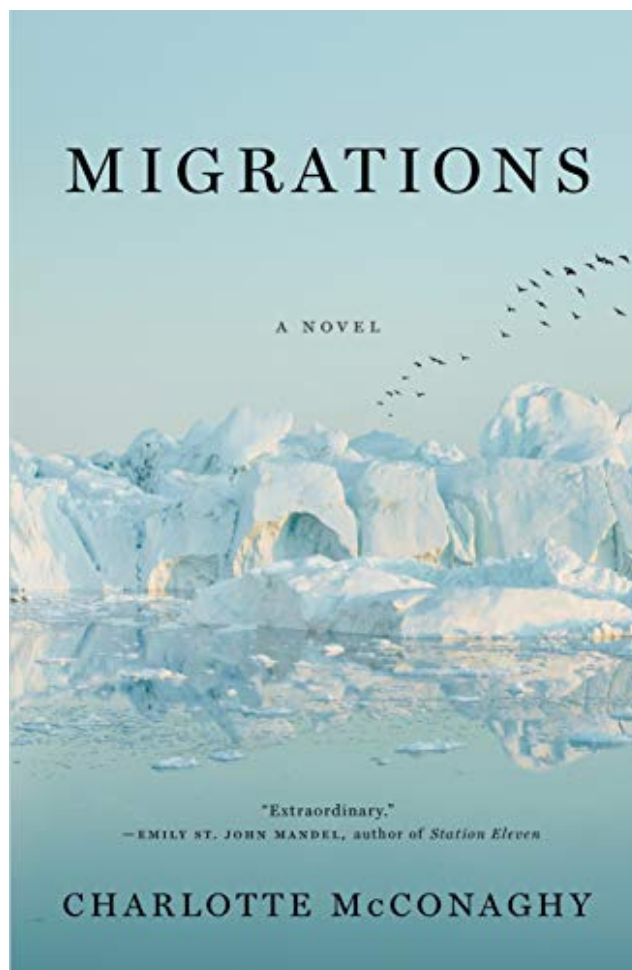
Nikola, based in Phoenix, Arizona has yet to deliver even one of its promised hydrogen fuel-cell semi trucks, but on Monday the company announced an order for 2,500 battery-electric garbage trucks. The trucks will go to waste-disposal company Republic Services, in what Republic claims to be the first large-scale commitment to fleet electrification in its industry. On-road testing is scheduled to begin in 2022, with full production "shortly after," Nikola said. Republic expects to take delivery of the first trucks in 2023, and has an option to expand the order to 5,000 units.

Based on the Nikola Tre, the trucks will have a range of 150 miles—enough to pick up 1,200 cans of garbage—and will recharge overnight. The battery-electric powertrain will be "limited" to 1,000 horsepower, which Nikola claims is three times the power of natural-gas and diesel trucks. That seems like a lot of power for a vehicle that will spend most of its time trundling down city streets.

Read Also: ['World First' Electric Delivery Truck To Be Piloted In London](#)"

FYI #5: SUMMER READING

MIGRATIONS: A NOVEL BY CHARLOTTE McCONAGHY



Credit: Macmillan

For fans of *Flight Behavior* and *Station Eleven*, a novel set on the brink of catastrophe, as a young woman chases the world's last birds—and her own final chance for redemption.

Franny Stone has always been a wanderer. By following the ocean's tides and the birds that soar above, she can forget the losses that have haunted her life. But when the wild she loves begins to disappear, Franny can no longer wander without a destination. She arrives in remote Greenland with one purpose: to find the world's last flock of Arctic terns and track their final migration. She convinces Ennis Malone, captain of the *Saghani*, to take her onboard, winning over his eccentric

crew with promises that the birds will lead them to fish.

As the Saghani fights its way south, Franny's dark history begins to unspool. Battered by night terrors, accumulating a pile of unsent letters, and obsessed with pursuing the terns at any cost, Franny is full of secrets. When her quest threatens the safety of the entire crew, Franny must ask herself what she is really running toward—and running from. Propelled by a narrator as fierce and fragile as the terns she is following, Charlotte McConaghy's *Migrations* is both an ode to our threatened world and a breathtaking page-turner about the lengths we will go for the people we love.

[Read More at Macmillan](#)

FYI#6: SPOTLIGHT ON EDUCATION

Laval University Receives Over \$1.9M To Develop Climate Change Training



Credit:

Université Laval has received over \$1.9M from the Government of Québec to develop and implement a training program on climate change geared toward professionals in urban planning, architecture, and engineering. Specifically, the program will provide professionals with an understanding of future climates and

their potential effects on both natural and constructed environments, effectively improving their ability to integrate sustainability solutions in their practice. The new program, which will be delivered in the spring 2021 term, will be developed by Laval in collaboration with the Ouranos research consortium and the three professional orders concerned.

[Read More at Newswire.ca](#)

ENDSHOTS

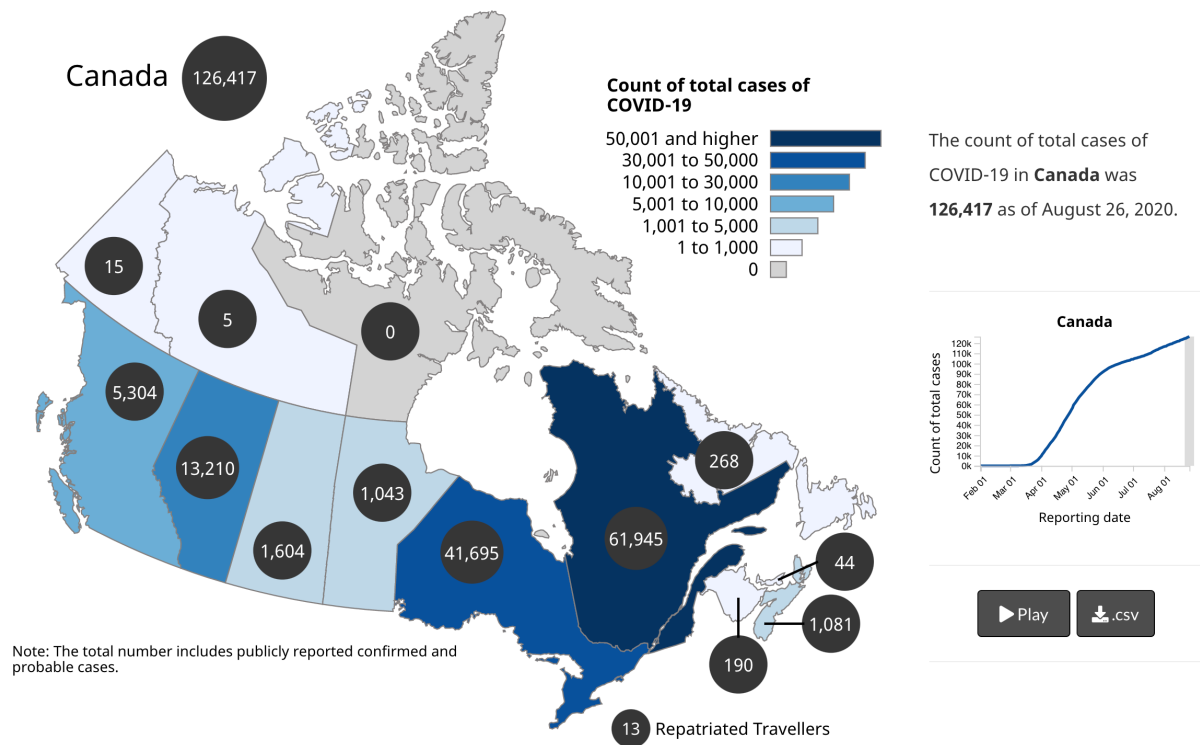
TORONTO ISLAND PARK AMID DAYS OF CORONAVIRUS PANDEMIC

AUGUST 25, 2020



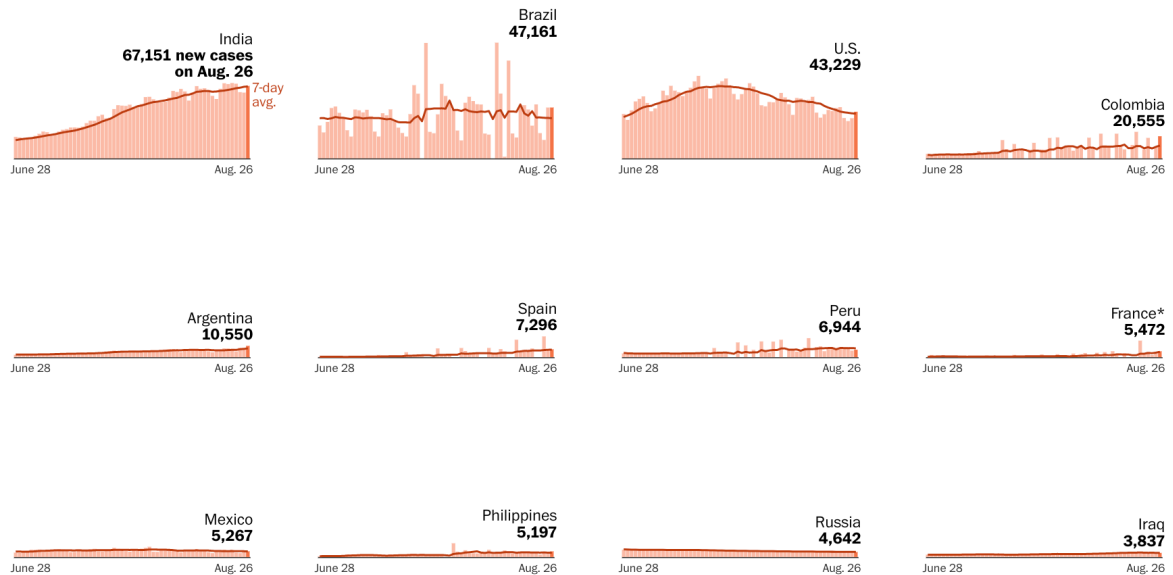
Canada At A Glance AUGUST 27, 2020

Source: <https://health-infobase.canada.ca/covid-19/epidemiological-summary-covid-19-cases.html>

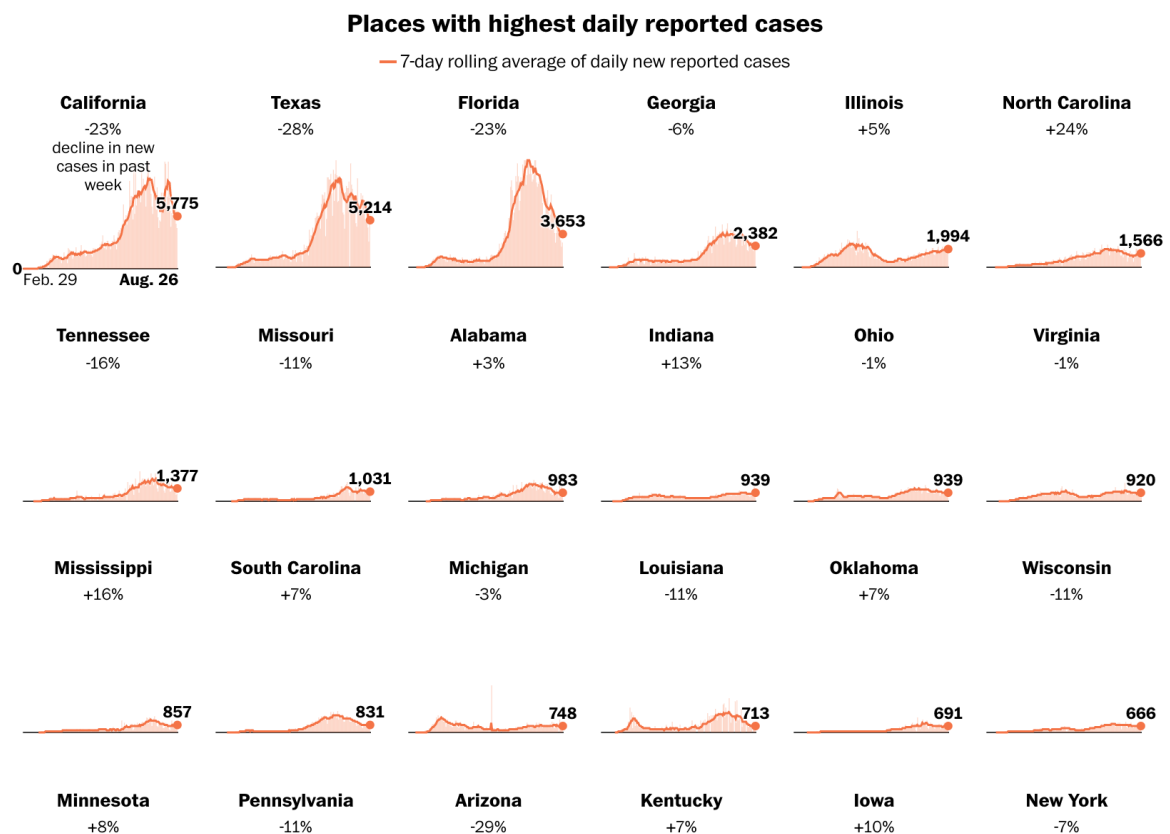


Countries with Highest Daily Number of New Cases

August 26, 2020



U.S. States with Highest Daily Number of New Cases August 26, 2020



Source: https://www.washingtonpost.com/graphics/2020/national/coronavirus-us-cases-deaths/?utm_campaign=wp_to_your_health&utm_medium=email&utm_source=newsletter&wpisrc=nl_tyh&wpmk=1



COUNTRIES RANKED BY INCREASE OF NEW COVID-19 CASES, August 20-27, 2020 Source:

<https://www.washingtonpost.com/graphics/2020/world/mappingspread-new-coronavirus/>

Country	Reported cases	Change from Aug. 20		Deaths
		Total ▼	Pct.	
India	3,310,234	▲ 473,309	+17%	60,472
U.S.	5,821,714	▲ 280,187	+5%	177,054
Brazil	3,717,156	▲ 215,181	+6%	117,665
Colombia	572,243	▲ 58,524	+11%	18,184
Peru	613,378	▲ 54,958	+10%	28,124
Spain	429,507	▲ 51,601	+14%	28,996
Argentina	370,188	▲ 49,304	+15%	7,944
France	297,485	▲ 40,951	+16%	30,581
Russia	972,972	▲ 33,139	+4%	16,758
Mexico	573,888	▲ 30,082	+6%	62,076
Philippines	205,581	▲ 27,559	+15%	3,234
Iraq	219,435	▲ 26,638	+14%	6,740
Bangladesh	304,583	▲ 16,624	+6%	4,127
South Africa	615,701	▲ 15,761	+3%	13,502
Indonesia	162,884	▲ 15,673	+11%	7,064
Iran	367,796	▲ 15,238	+4%	21,137
Ukraine	114,663	▲ 13,853	+14%	2,449
Chile	404,102	▲ 12,253	+3%	11,072
Israel	110,186	▲ 10,587	+11%	883
Turkey	263,998	▲ 9,478	+4%	6,209
Germany	240,420	▲ 9,128	+4%	9,290
Britain	332,491	▲ 8,295	+3%	41,564
Saudi Arabia	311,855	▲ 7,882	+3%	3,785
Italy	263,949	▲ 7,831	+3%	35,463
Bolivia	112,094	▲ 6,029	+6%	4,726
Ecuador	111,219	▲ 5,711	+5%	6,471
Pakistan	294,638	▲ 3,680	+1%	6,274
Canada	128,590	▲ 2,965	+2%	9,145
Qatar	117,988	▲ 1,764	+2%	195
Kazakhstan	105,243	▲ 1,172	+1%	1,523





COUNTRIES RANKED BY % INCREASE OF NEW COVID-19 CASES August 20-27, 2020 Source:

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France	297,485	▲ 40,951	+16%	30,581
Philippines	205,581	▲ 27,559	+15%	3,234
Argentina	370,188	▲ 49,304	+15%	7,944
Iraq	219,435	▲ 26,638	+14%	6,740
Ukraine	114,663	▲ 13,853	+14%	2,449
Spain	429,507	▲ 51,601	+14%	28,996
Colombia	572,243	▲ 58,524	+11%	18,184
Indonesia	162,884	▲ 15,673	+11%	7,064
Israel	110,186	▲ 10,587	+11%	883
Peru	613,378	▲ 54,958	+10%	28,124
Brazil	3,717,156	▲ 215,181	+6%	117,665
Bangladesh	304,583	▲ 16,624	+6%	4,127
Bolivia	112,094	▲ 6,029	+6%	4,726
Mexico	573,888	▲ 30,082	+6%	62,076
Ecuador	111,219	▲ 5,711	+5%	6,471
U.S.	5,821,714	▲ 280,187	+5%	177,054
Iran	367,796	▲ 15,238	+4%	21,137
Germany	240,420	▲ 9,128	+4%	9,290
Turkey	263,998	▲ 9,478	+4%	6,209
Russia	972,972	▲ 33,139	+4%	16,758
Chile	404,102	▲ 12,253	+3%	11,072
Italy	263,949	▲ 7,831	+3%	35,463
South Africa	615,701	▲ 15,761	+3%	13,502
Saudi Arabia	311,855	▲ 7,882	+3%	3,785
Britain	332,491	▲ 8,295	+3%	41,564
Canada	128,590	▲ 2,965	+2%	9,145
Qatar	117,988	▲ 1,764	+2%	195
Pakistan	294,638	▲ 3,680	+1%	6,274
Kazakhstan	105,243	▲ 1,172	+1%	1,523



COUNTRIES BY TOTAL NUMBER OF COVID-19 DEATHS, August 27, 2020
Source:<https://www.washingtonpost.com/graphics/2020/world/mappingspread-new-coronavirus/>

Country	Reported cases	Change from Aug. 20		Deaths ▼
		Total	Pct.	
U.S.	5,821,714	▲ 280,187	+5%	177,054
Brazil	3,717,156	▲ 215,181	+6%	117,665
Mexico	573,888	▲ 30,082	+6%	62,076
India	3,310,234	▲ 473,309	+17%	60,472
Britain	332,491	▲ 8,295	+3%	41,564
Italy	263,949	▲ 7,831	+3%	35,463
France	297,485	▲ 40,951	+16%	30,581
Spain	429,507	▲ 51,601	+14%	28,996
Peru	613,378	▲ 54,958	+10%	28,124
Iran	367,796	▲ 15,238	+4%	21,137
Colombia	572,243	▲ 58,524	+11%	18,184
Russia	972,972	▲ 33,139	+4%	16,758
South Africa	615,701	▲ 15,761	+3%	13,502
Chile	404,102	▲ 12,253	+3%	11,072
Germany	240,420	▲ 9,128	+4%	9,290
Canada	128,590	▲ 2,965	+2%	9,145
Argentina	370,188	▲ 49,304	+15%	7,944
Indonesia	162,884	▲ 15,673	+11%	7,064
Iraq	219,435	▲ 26,638	+14%	6,740
Ecuador	111,219	▲ 5,711	+5%	6,471
Pakistan	294,638	▲ 3,680	+1%	6,274
Turkey	263,998	▲ 9,478	+4%	6,209
Bolivia	112,094	▲ 6,029	+6%	4,726
Bangladesh	304,583	▲ 16,624	+6%	4,127
Saudi Arabia	311,855	▲ 7,882	+3%	3,785
Philippines	205,581	▲ 27,559	+15%	3,234
Ukraine	114,663	▲ 13,853	+14%	2,449
Kazakhstan	105,243	▲ 1,172	+1%	1,523
Israel	110,186	▲ 10,587	+11%	883
Qatar	117,988	▲ 1,764	+2%	195





COUNTRY COVID-19 STATS ON AUGUST 27, 2020 Source:

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

Ranked by Total Number of Covid-19 Cases

#	Country, Other	Total Cases	New Cases	Total Deaths	New Deaths	Total Recovered	Active Cases	Serious, Critical	Tot Cases/ 1M pop	Deaths/ 1M pop
	World	24,342,560	+273,442	828,912	+6,341	16,868,028	6,645,620	61,714	3,123	106.3
1	USA	6,000,365	+44,637	183,653	+1,289	3,313,861	2,502,851	16,378	18,111	554
2	Brazil	3,722,004	+47,828	117,756	+1,090	2,908,848	695,400	8,318	17,491	553
3	India	3,307,749	+75,995	60,629	+1,017	2,523,443	723,677	8,944	2,393	44
4	Russia	970,865	+4,676	16,683	+115	786,150	168,032	2,300	6,652	114
5	South Africa	615,701	+2,684	13,502	+194	525,242	76,957	539	10,361	227
6	Peru	613,378	+5,996	28,124	+123	421,877	163,377	1,512	18,564	851
7	Colombia	572,270	+10,142	18,184	+295	407,121	146,965	1,493	11,228	357
8	Mexico	568,621	+4,916	61,450	+650	393,101	114,070	3,442	4,403	476
9	Spain	448,011	+3,594	28,971	+47	N/A	N/A	697	9,582	620
10	Chile	402,365	+1,380	10,990	+32	376,268	15,107	1,004	21,021	574
11	Argentina	370,188	+10,550	7,839	+276	268,801	93,548	2,022	8,179	173
12	Iran	365,606	+2,243	21,020	+119	314,870	29,716	3,831	4,344	250
13	UK	328,846	+1,048	41,465	+16	N/A	N/A	68	4,840	610
14	Saudi Arabia	310,836	+1,068	3,755	+33	284,945	22,136	1,601	8,908	108

Ranked by Death Rate from Covid-19

#	Country, Other	Total Cases	New Cases	Total Deaths	New Deaths	Total Recovered	Active Cases	Serious, Critical	Tot Cases/ 1M pop	Deaths/ 1M pop
1	San Marino	710		42		658	10		20,918	1,237
2	Belgium	82,447	+355	9,878		18,291	54,278	85	7,109	852
3	Peru	613,378	+5,996	28,124	+123	421,877	163,377	1,512	18,564	851
4	Andorra	1,098	+38	53		893	152	3	14,207	686
5	Spain	448,011	+3,594	28,971	+47	N/A	N/A	697	9,582	620
6	UK	328,846	+1,048	41,465	+16	N/A	N/A	68	4,840	610
7	Italy	262,538	+1,365	35,458	+13	206,329	20,751	69	4,343	587
8	Sweden	83,898	+171	5,815		N/A	N/A	21	8,299	575
9	Chile	402,365	+1,380	10,990	+32	376,268	15,107	1,004	21,021	574
10	USA	6,000,365	+44,637	183,653	+1,289	3,313,861	2,502,851	16,378	18,111	554
11	Brazil	3,722,004	+47,828	117,756	+1,090	2,908,848	695,400	8,318	17,491	553
12	Mexico	568,621	+4,916	61,450	+650	393,101	114,070	3,442	4,403	476
13	France	253,587	+5,429	30,544		85,524	137,519	410	3,884	468
14	Panama	89,082	+701	1,932	+13	63,595	23,555	153	20,597	447
15	Bolivia	110,999	+851	4,664	+86	48,875	57,460	71	9,489	399





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