

Rare COVID Vaccine Side Effects

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FEATURES

22

Big Tech's Great Reckoning

A spate of new laws in Europe and the U.S. foreshadow what could be the end of dominance for Google, Facebook and Amazon.

by DAVID H. FREEDMAN

34

America's Best Maternity Hospitals 2022

Newsweek and data firm Statista find the 350 leading institutions for high-quality care for expectant mothers and newborns across the country.



SMALL BLESSINGS Nothing is more joyful than the arrival of a healthy baby and the smile of a healthy new mother.



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DEPARTMENTS

▼ In Focus

- 08 Bohodarove, Ukraine**
The Wreckage of War
- 10 Cape Canaveral, Florida**
Into the Night
- Indio, California**
In Styles
- Åsgårdstrand, Norway**
Fueled by Anger

LIPS UNSEALED

"No one's more hated than someone who's honest."

▼ Periscope

- 12 'Our Lives Are Not Misinformation'**
COVID-19 Vaccines Are Not Safe for Everyone

- 18 Re-commerce is Remaking Retail**
Big Brands Get Into the Secondhand Market

- 21 Talking Points**
Viola Davis, Kamala Harris and More

▼ Culture

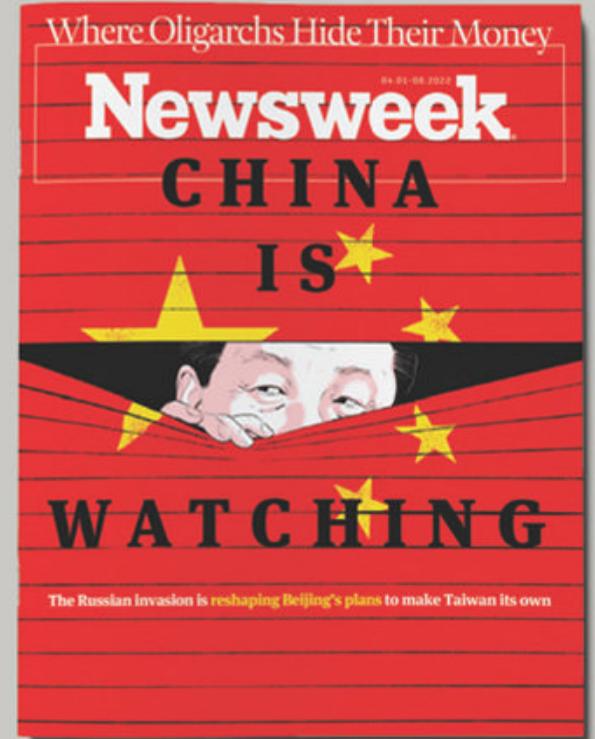
- 44 Uncharted**
Eco-friendly Cabins
- 48 Parting Shot**
Lisa Rinna

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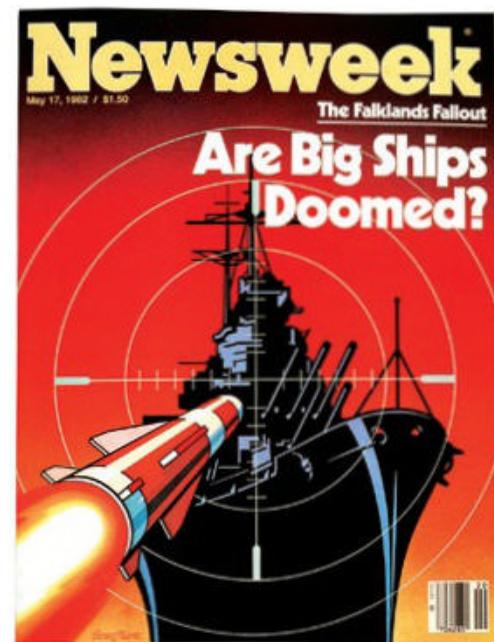
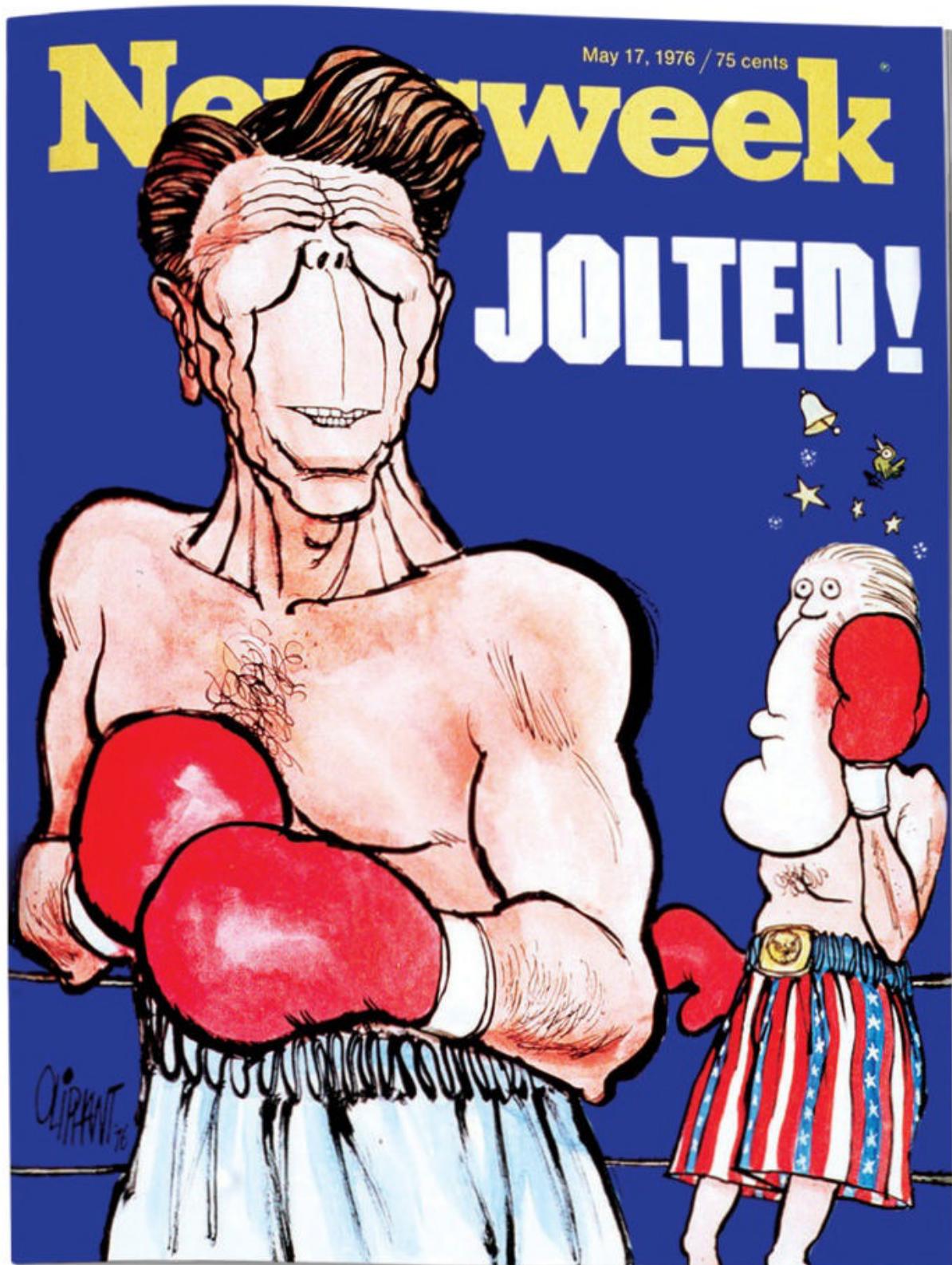
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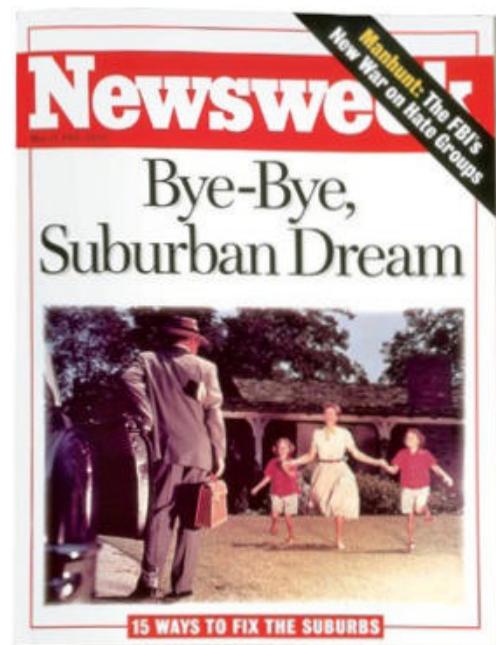
1976

“The President has generally been a lackluster contrast to Reagan on the road,” *Newsweek* wrote of Gerald Ford’s campaign against the former actor and California governor. Ford’s “habits were formed in 23 years as a minority member of Congress, reacting to rather than controlling events, and his people now worry at his apparent incapacity to convey that sense of motion and of vision required of Presidents.” Ford did win the nomination, but Reagan’s gregarious persona ultimately helped earn him the 1980 presidency—not unlike reality TV star and businessman-turned-president Donald Trump in 2016.



1982

“The attack on HMS Sheffield followed a lethal new script for naval warfare,” *Newsweek* wrote of the Argentines’ “smart” missile that sank the British ship during the Falklands war. This year the Falkland Islands commemorate the 40th anniversary of their liberation through the yearlong “Looking Forward at Forty.”



1995

“You can’t keep spreading out,” one government official told *Newsweek* of the negative social, environmental and financial implications of suburban sprawl as the magazine investigated the return of the “village model”—a cluster of homes with a central hub. The model has seen a resurgence in recent years, especially within senior retirement communities. **N**

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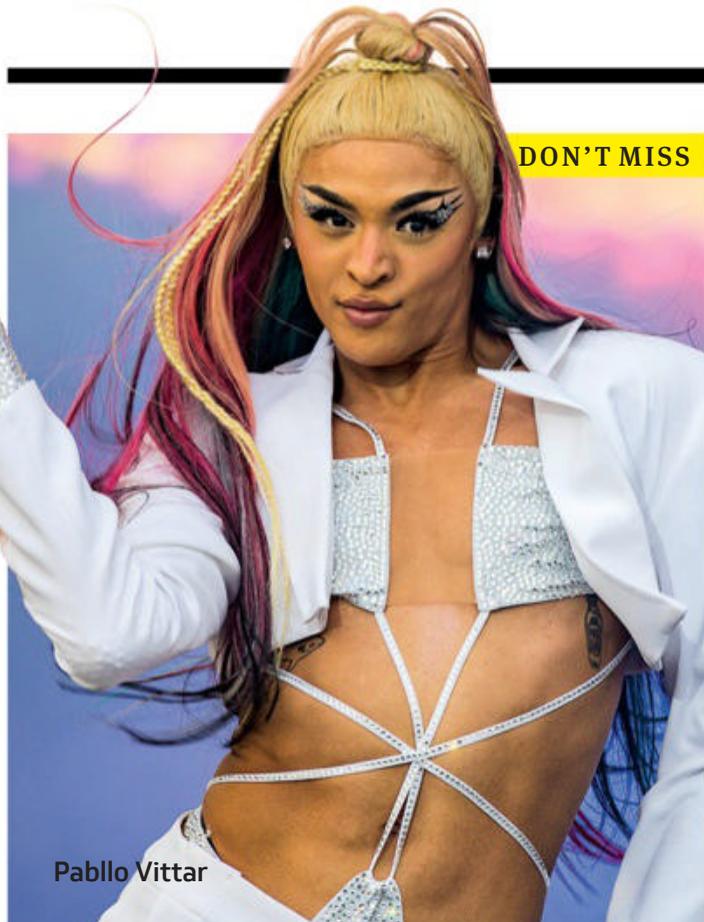
FEATURED EPISODE

The Josh Hammer Show

Conservative politics, law and culture

LENIENCY FOR CRIMINALS? ▶ After 10 people were shot and 13 more injured on a crowded rush hour subway platform in New York, Hammer blames the breakdown of law and order on the fall of “broken windows” policing and the rise in the bipartisan criminal justice reform movement’s belief in an “overincarceration problem.” Plus: Elon Musk’s privatization of Twitter.

HOST ▶ Josh Hammer, *Newsweek* opinion editor
IN THEIR WORDS ▶ “You can only understand this in terms of the general culture of leniency for criminals.”



DON'T MISS

Pablu Vittar

THE PARTING SHOT

Your weekly dose of everything pop culture

Drag’s Coachella Reveal ▶ What were RuPaul and Britney Spears’ influences on superstar Pablu Vittar, the first drag queen to perform at Coachella? Plus: Alaska Thunderf*ck and Drag Queen of the Year.



THE LEISURE CLASS

Dire Straits’ Jack Sonni chats with an eclectic group of creatives

The Secret Sauce ▶ Why turn down offers from The Doobie Brothers, Toto, Steely Dan and others? Guitarist Elliott Randall—“Reelin’ in the Years” soloist—reminisces with his former student.



THE DEBATE

A civil discussion of hot-button issues of the day

Slap Heard Round the World ▶ Hosts Andrew and Celeste talk morality, self defense, Nazis, bullies and more. Does size matter? And is it a husband’s job to defend his wife’s honor?



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In Focus

THE NEWS IN PICTURES



BOHODAROVE, UKRAINE

The Wreckage of War

A Ukrainian serviceman inspects a Russian ballistic missile's booster stage that fell into a field in the eastern part of Ukraine on April 25. In the two months since Russia invaded its neighbor, the country's military has defied the odds to maintain control of its capital, Kyiv, and other major cities, but renewed pressure from Russia threatens many towns within its eastern and southern areas.

📷 ▶ YASUYOSHI CHIBA

AFP/GETTY



CLOCKWISE FROM TOP LEFT: AUBREY GEMIGNANI/NASA/GETTY; OLE BERG-RUSTEN/AFP/GETTY; KEVIN MAZUR/GETTY



CAPE CANAVERAL, FLORIDA

Into the Night

A SpaceX Falcon 9 rocket carrying the company's Dragon spacecraft takes off from the Kennedy Space Center on April 27 with NASA astronauts Kjell Lindgren, Robert Hines and Jessica Watkins and Italian European Space Agency astronaut Samantha Cristoforetti. The crew will stay on the International Space Station for several months conducting research "to prepare for human exploration beyond low-Earth orbit," says NASA.

📷 ▶ AUBREY GEMIGNANI



INDIO, CALIFORNIA

In Styles

Harry Styles performs during the Coachella Valley Music and Arts Festival on April 22. The 28-year-old musician headlined the festival over two weekends and surprised fans during his second set by singing two songs—Gloria Gaynor's "I Will Survive" and One Direction's "What Makes You Beautiful"—with special guest star Lizzo in vibrant pink and orange Gucci faux-fur coats and iridescent pants.

📷 ▶ KEVIN MAZUR



ÅSGÅRDSTRAND, NORWAY

Fueled by Anger

Greenpeace environmental activists protest and chain themselves to the Russian oil tanker *Ust Luga*, to prevent it from docking at the Slagentangen oil port (owned by Esso, a subsidiary of ExxonMobil) and unloading \$116 million worth of jet fuel on April 25. The activists object to the Norwegian government continuing to import Russian fossil fuels in light of the country's invasion of Ukraine.

📷 ▶ OLE BERG-RUSTEN



AFTER THE SHOT

Some doctors, perhaps worried about spreading misinformation and contributing to vaccine hesitancy, have been reluctant to take complaints about severe vaccine side-effects seriously.

“Twitter is the digital town square where matters vital to the future of humanity are debated.” ▶ P.21



HEALTH

“Our Lives Are Not Misinformation”

COVID-19 vaccines are safe for the vast majority of people. That’s small consolation for the few who fall between the cracks

ON NOVEMBER 4, 2020, BRIANNE DRESSEN walked into a clinic in West Jordan, Utah to take part in a clinical trial for AstraZeneca’s COVID-19 vaccine. A few minutes after getting the shot, her arm began to tingle and her eyes felt “weird,” she says. Her symptoms soon got worse. She developed a fever and chills and her arm went numb. At one point she grew so sensitive to light and sound that she sought relief in a dark room wearing earmuffs.

By the time she got to the emergency room at the University of Utah Hospital in Salt Lake City, the numbness had spread from her feet upward to her legs. She had lost the ability to walk and could no longer control her bladder and bowels. “It was really scary,” she says.

What followed was a long nightmare of seeking care for debilitating symptoms from doctors who she says were dismissive of her symptoms and dubious that a vaccine could be the cause. Although

adverse effects from COVID-19 vaccines are rare, some of those who fall into that group say they have gotten short shrift by the medical establishment.

That may be due in part to the rarity of their conditions and the newness of the vaccines. The extreme politicization of the COVID-19 pandemic has also played a role. Many doctors, worried about spreading misinformation and contributing to vaccine hesitancy, have been reluctant to take complaints about severe vaccine side-effects seriously, according to some people who have suffered post-COVID-19 vaccine complications. Discussion among group members about severe vaccine side-effects has been flagged as misinformation

by social media platforms, particularly Facebook, making it difficult for these individuals to gather and share information with one another.

“From top down, we are not allowed to be heard in any way, shape or form,”

by

**JOANNA
BRODER**

wrote Dressen in an email. “Our lives are not misinformation,” she added at a different point in time.

Solid data on how many people have developed neurological symptoms after taking COVID-19 vaccines is scarce. The Food and Drug Administration acknowledged a small increased risk of developing the rare condition Guillain-Barré Syndrome (GBS), a neurological disorder in which the body’s immune system attacks nerves outside the brain and spinal cord, after taking the COVID-19 vaccine made by Janssen, a pharmaceutical company of Johnson & Johnson. Some people interviewed by *Newsweek* also reported severe neurological symptoms after taking the Moderna and Pfizer vaccines.

As of early March, there had been at least 40,000 reports of various neurological symptoms, such as tingling (pins and needles), tinnitus and paralysis following COVID-19 vaccines logged in the Vaccine Adverse Event Reporting System (VAERS), a nationwide database co-managed by the Centers for Disease Control and Prevention (CDC) and the FDA. VAERS can be used as an early warning system to spot rare adverse events, according to the U.S. Department of Health and Human Services, but it has limitations. For one, it is a passive reporting database, meaning it relies on physicians, patients, family members and so forth to make reports. And its entries are not all verified, which means the data cannot be used to reliably determine whether an adverse event is caused by a vaccine.

To find more precise data, scientists in the U.K. recently investigated vaccinations of more than 32 million people who had gotten a first dose. They found that that vaccination likely causes about 38 excess cases of GBS for every 10 million adults

who receive the AstraZeneca vaccine, which is not licensed for use in the United States. For the Pfizer vaccine, the study found 60 extra cases of stroke per 10 million people.

The neurological risks posed by COVID itself are higher. The disease was found to be the likely cause of 145 cases of GBS, 123 cases of inflammatory disorders, including those of the brain and spine, and 163 cases of muscle weakness for every 10 million people infected. To put the numbers

into perspective, more than 570 million COVID-19 vaccine doses have been administered in the U.S. so far. Because so many people have gotten shots, even rare cases can add up.

One study, of course, is not the final word on the subject. More information on rare adverse events is needed for “ongoing risk benefit evaluations of these vaccines,” the authors of the U.K. study wrote. “Therefore, the identification of such rare adverse events is now a global scientific priority.”

Knowing that their conditions are rare is small comfort to Dressen and other patients, who say they have had trouble getting their doctors to take them and their symptoms seriously. Dressen, an otherwise healthy 41-year-old, found doctors to be largely dismissive of the notion that vaccination may have been the cause of her symptoms. One rheumatologist

“From top down, we are not allowed to be heard in any way, shape or form.”



FROM TOP: AL DRAGO/BLOOMBERG/GETTY; CHANDAN KHANNA/AFP/GETTY

that Dressen consulted and still sees regularly only refers to her illness as being “COVID-related.”

After Dressen was admitted to the ER, her doctors considered GBS as a diagnosis but rejected it, she says. One specialist suspected her symptoms were the result of migraines. In the end, doctors diagnosed her with “anxiety due to the COVID vaccine,” she says.

Dressen was so distraught with her deteriorating health that she eventually found her way to Dr. Danice Hertz, a 65-year-old retired gastroenterologist who also had complications after her first and only dose of Pfizer’s vaccine—she says she experienced ringing in her ears, chest tightness, feelings of burning and numbness in her face, tongue, scalp and limbs, among other symptoms. Dr. Hertz started a support group that now numbers roughly 200 people.



TIGHTROPE WALK: Above: FDA’s Janet Woodcock. Below left: COVID-19 vaccine protesters at the 2021 Super Bowl in Tampa Bay, Florida.

Amid a dearth of medical attention, the group has served as a place of comfort and information exchange. Other private groups devoted to neurological complications have cropped up as well. Shaun Barcavage, a 52-year-old research nurse in New York (he asked that his workplace not be revealed) says he experienced tingling sensations, tinnitus, headaches and other ongoing symptoms after getting two Pfizer COVID-19 vaccines. Dissatisfied with his interactions with doctors, he started a Facebook group for others who also experienced post-vaccine tinnitus, which grew to about 3,300 members.

Facebook, in an effort to tamp down misinformation about COVID-19 vaccination, has shut down some of the groups, says Dressen. Although they have been able to reconstitute themselves as new groups, each time they lose members in the process. Barcavage says Facebook put his group under review for posting a link to a research paper but ultimately allowed it to stay active.

Some members have asked federal health authorities to publicly recognize the legitimacy of their symptoms and to raise awareness among community physicians. Dressen and another member of Dr. Hertz’s group

met with an official from the FDA and urged the agency to recognize small-fiber neuropathy—damage to the fibers of the peripheral nervous system, which can lead to sensations of numbness, pins and needles, and electric shocks—as a rare post-vaccine complication. She also wrote a letter to the CDC and the FDA, signed by 86 other group members. “We are collateral damage in the effort to stop the pandemic,” the letter reads. “We are all honest, hard working Americans who genuinely believed we were doing our part by getting this vaccine. We are suffering... We are pleading with you to make the medical community aware of these reactions so we can get the medical care that we need and hopefully recover and return to our previously healthy lives.”

Two FDA officials—Dr. Janet Woodcock, then FDA’s acting commissioner and now principal deputy commissioner, and Dr. Peter Marks, director of the agency’s Center for Biologics Evaluation and Research—followed up via email saying that they would look into the matter. (Neither Dr. Woodcock nor Dr. Marks were available for interviews.) Although the FDA would not comment on specific cases, a spokesperson told *Newsweek* in an email that its data did not show that neurological symptoms among COVID-19 vaccine recipients were more common than what would be expected in the general population, with two exceptions: the small increased risk of GBS from the Janssen vaccine and of fainting following each of the three vaccines authorized in the U.S. “To date, the systems in place to monitor vaccine safety have not identified safety signals for serious neurological outcomes following COVID-19 vaccination, including small fiber neuropathy,” the spokesperson wrote.



Some doctors, however, have pointed out that the data about vaccine side-effects may not be complete. “Many of us have felt that it would be nice if there was much more systematic monitoring of these kinds of side effects than there is,” says Dr. Patrick Whelan, clinical associate professor of pediatrics at UCLA. “The vast majority of people who get these vaccines are not being actively monitored.”

A spokesperson at Janssen, the J&J company that makes its vaccine, said in an email that it shares any reports of adverse effects from individuals who receive a dose of their vaccine with the FDA and other health authorities. A Pfizer spokeswoman said in an email: “Based on ongoing safety reviews performed by Pfizer, BioNTech and health authorities, our COVID-19 vaccine retains a positive benefit-risk profile.” Moderna and AstraZeneca did not respond to multiple requests for comment.

Efforts by Dressen and others to win recognition may have gotten swept up in the politics of vaccination. Dressen’s case has provided fodder for Robert Kennedy Jr., a purveyor of numerous false claims about the dangers of COVID-19 vaccines, who tweeted about it.

And when Sheryl Ruetters, another member of Dr. Hertz’s Facebook group, developed “stroke like symptoms” after getting a Moderna shot, her husband, Ken, a former tackle for the Green Bay Packers, appealed to Wisconsin Senator Ron Johnson, a Republican who has spread misinformation about COVID-19 treatments and vaccines on many occasions. Johnson invited Dressen and others to appear at a press conference in June where she and others described sustaining life-altering complications after a COVID-19 vaccine. The event

drew criticism from health experts.

Dressen, for one, was uneasy about the decision to appeal to Johnson. “We had been pushed into a corner with nowhere else to go,” she wrote in a text message. “We had to take the chance.”

Small Progress

In January 2021, Dressen’s husband, Brian, contacted Dr. Avindra Nath, intramural clinical director of the National Institute of Neurological Disorders and Stroke at the National Institutes of Health (NIH), who offered to work with Brianne’s doctors in Utah. According to Dressen, Dr. Nath spoke with the Utah doctors over the phone and recommended that they administer intravenous immunoglobulin (IVIG) therapy, in

which antibodies derived from the blood of healthy donors supplement a patient’s immune system. The treatment can mitigate some neurologic disorders including GBS. According to Dressen, the local doctors declined to work with the NIH doctors. One doctor told her she was “too fragile” to treat. (The doctor did not respond to *Newsweek’s* request for an interview.)

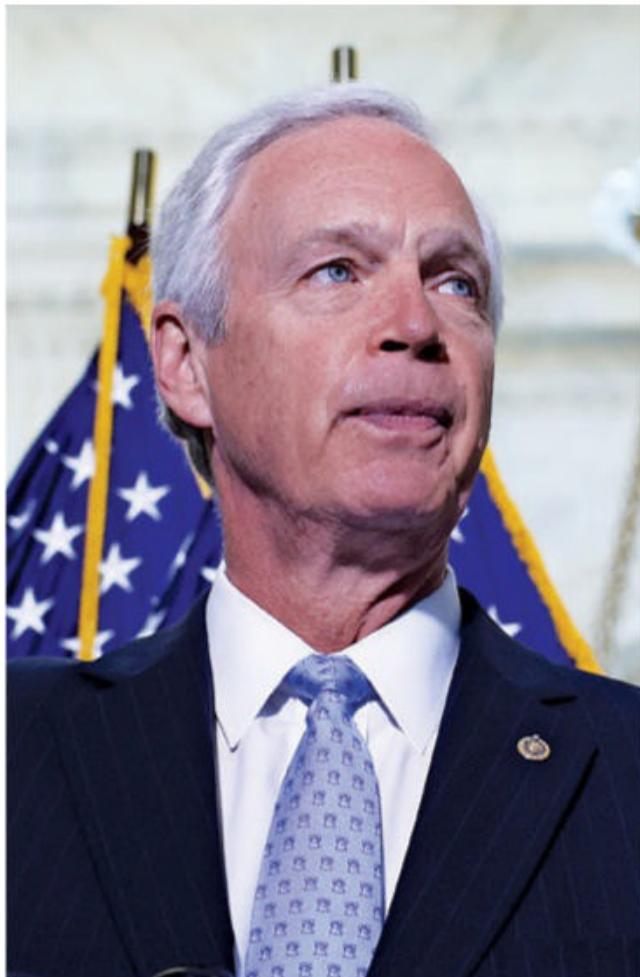
The NIH doctors eventually offered to bring Dressen out to Bethesda, Maryland for research and treatment, which she accepted. According to her medical records from NIH, doctors diagnosed her in June 2021 with post-vaccine neuropathy (damage to the nerves located outside the brain and spinal cord), severe postural orthostatic tachycardia syndrome (a blood circulation condition characterized by a heart rate increase from lying to standing of at least 30 beats per minute in adults), sensory loss (in the hands) and short-term memory loss. They subsequently treated her with IVIG infusions. (Dr. Nath declined to comment on the specific case, citing patient confidentiality.)

Dressen is still taking an IVIG infusion every other week. She’s doing better, she says. She no longer feels her heart beating out of her chest and sensations of tingling and electrical shocks have subsided somewhat.

She is trying to accept that she will be living with a chronic disease. Whereas she used to enjoy hiking up mountains, it’s now a good day when she can walk around the block. On bad days, she needs a wheelchair. Her former life of teaching and snowboarding, she says, now seems like a dream. ■

► **Joanna Broder** is a science and feature journalist and editor.

BULL HORN: A press conference held by Senator Ron Johnson, in which vaccine recipients discussed side effects, drew criticism from health experts.





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STORES

'Re-commerce' is Remaking Retail

Americans seem to love high-end, used merchandise. Now big merchants do, too

AMERICANS ARE SCOOPING UP secondhand items at a record pace, thanks to a surge in digital resale platforms like Poshmark, Depop, thredUP and The RealReal. Now more traditional retailers want in on the action.

This year alone, Americans will spend almost \$179 billion on secondhand goods, up 96 percent from 2015, according to research from Mercari and GlobalData. By 2030, those firms contend, that number will nearly double to \$354 billion—a growth rate 3.2 times that of the retail sector as a whole. And it's not just a small segment driving the pre-used market: Three quarters of us, the Mercari/GlobalData research shows, bought at least one secondhand item last year.

Those numbers are only part of the reason well-known name-brand retailers are now diving into the “new-to-you” business. This embrace of secondhand offers them access to new customers, perhaps a hedge against inflation and green credibility.

“Brands see this wave of re-commerce, or secondhand sales, as an opportunity similar to what happened with the rise of ecommerce,” says Nellie Cohen, who previously directed Patagonia’s re-commerce program and now runs her own

sustainability consulting firm, Baleen. “Retail execs can see that at any time there are 15,000 of their items for sale on eBay,” Cohen adds. “They can see the dollar signs and want to capture this part of the customer journey.”

Indeed they can. Six in 10 retailers already offer secondhand or are seriously considering it, research conducted by thredUP and GlobalData found. More than 40 percent of retail executives predict resale will become an important part of their business within the next five years. But for a third of retail lead-

ers, adopting a resale program has become “table stakes.” In other words: the bare minimum.

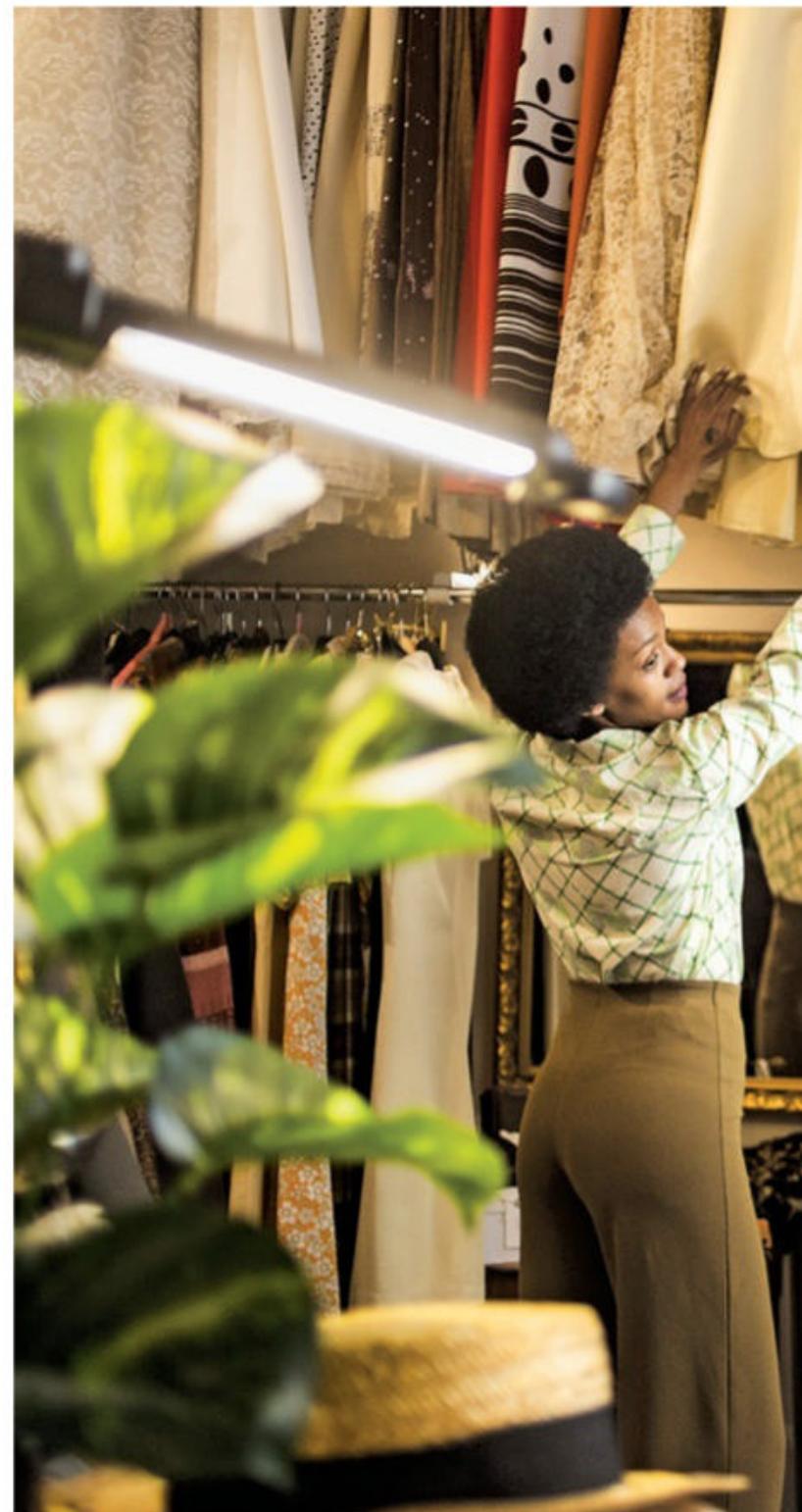
Why? “This is where consumers are shopping,” says a Levi’s spokesperson.

Adds David Hayne, chief technology officer of URBN, the parent company of Urban Outfitters, Free People and Anthropologie: “Our...brands were already some of the most sought-after brands on the resale market, so there was a big opportunity to activate those loyal customers.”

How Brands Sell Secondhand

There are three main ways companies engage with secondhand. The easiest: partner with online resale platforms, using their infrastructure and

by
**KERRIANNE
RENZULLI**



marketplaces to encourage people to resell their items in exchange for store credit. Some who do this with thredUP: Abercrombie & Fitch, Crocs, Adidas, Reformation, Gap, Athleta, Banana Republic, and Christy Dawn.

Others get more directly involved, allowing you to bring old items bearing their labels back in exchange for store credit or discounts on new products. The retailer then resells



the old stuff. Apple, Best Buy, Amazon and GameStop all offer this option for certain electronics. Eileen Fisher, Levi's, Allbirds, Lululemon, Rachel Comey, REI, Patagonia, and Arc'teryx resell apparel, footwear and outdoor gear bought from them. And select IKEA stores have also begun buying back the brand's assembled furniture and selling it in their "As Is" department.

“More of our members are recognizing that buying used is a way to reduce the environmental impact.”

THE BOTTOM LINE Retailers have embraced the rise of secondhand shopping and some established brands have started their own resale platforms.

Some retailers are even running their own customer-to-customer resale platforms: Apparel giant ASOS operates such a marketplace; URBN launched its own platform, called Nuuly Thrift, in October and H&M launched its version in Canada last September.

Is Resale Good for Customers? Well, it depends.

Expect to earn less on your old stuff by selling it to a store as opposed to, say, on eBay, where you name the price. REI estimates it pays about half the retail price for its customers' used goods, Levi's says it pays \$15 on average for a pair of its used jeans, and Lululemon pays \$10 for its old leggings, hoodies, bags and dresses.

Buying through a brand's secondhand program can be a sweeter deal, though. Prices are comparable to many listings you'll see on resale marketplaces, and items come with the guarantee that they're authentic, clean, in the condition listed and returnable.

Regardless of personal profit, shoppers overall like having the option to buy secondhand from their favorite brands and snag a beloved item at a reduced price. REI's resale business, for example, sold more than a million items in 2021. And the merchants say these programs are attracting new clients, particularly younger, eco-conscious, and budget buyers, as they provide access to higher-end, aspirational goods. For instance, a pair of used Lululemon Align leggings sells on the brand's "like new" website for \$49, or 44 percent less than a new pair, which retails for \$88.

Secondhand's smaller price tags could also be a win-win for brands and consumers as inflation continues to rise. A Harris Poll, conducted in April, found that 84 percent of Americans are planning to dial back their spending as a result of price hikes. "People want to make more of their budgets and the money they have," says Neil Saunders, managing director at GlobalData.

The 'Green' Angle

"The sustainability aspect is growing in importance, especially among Millennials and Gen Z, who look at secondhand shopping as a way to reduce their footprint," says Saunders. Adds Ken Voeller, REI's director of circular commerce and new business development: "More of our members are recognizing that buying used is a way to reduce the environmental impact of their purchasing decisions."

And it can be. Wearing a garment for just three additional months leads to a 5 to 10 percent reduction in its carbon, water and waste footprint, according to the Waste and Resources Action Program. Additionally, REI found that selling a used item has a 50 percent smaller carbon footprint than selling a comparable new item, according to Voeller.

As customers increasingly understand the environmental toll their shopping can take, they're pushing companies to adopt more sustainable alternatives. Half of Americans have already shifted their purchasing behavior to be greener in the past five years, Simon-Kucher & Partners found, and more than half of fashion and textile executives said consumer demand was driving their pursuit of environmentally-friendly practices, of which secondhand is a top choice.

"Resale is a very palatable program to the C-suite," says Cohen. "In terms

of sustainable changes, it's fairly easy to do" and one of the few that can make money and garner new sales.

To be sure, some experts also remain skeptical over just how earth-friendly these resale programs really are. Cosette Joyner Martinez, a professor of merchandising at Oklahoma State University, notes that the secondhand boom does not seem to be slowing people's consumption or

retailers' production of new items. Almost all trade-in or buyback programs rewarded customers with store credit—sometimes only good for purchases of new items, thereby encouraging people to buy even more.

Regardless of how planet-helping these programs are, the secondhand frenzy will only grow more popular with C-suiters—not only for the sales but the opportunity to attract a new generation of customers. And that is, as always, the bottom line. **N**

“Retail execs...can see the dollar signs and want to capture this part of the customer journey.”

► This story is part of a series exploring the latest consumer trends and innovations. For more articles on these topics, go to newsweek.com/oracle. **Kerri Anne Renzulli** is a senior reporter at NEWSWEEK. Twitter @kerrenzulli



WILLIE B. THOMAS/GETTY

Talking Points



“TODAY I TESTED POSITIVE FOR COVID-19. I HAVE NO SYMPTOMS, AND I WILL CONTINUE TO ISOLATE AND FOLLOW CDC GUIDELINES.”

—Vice President Kamala Harris

BAZAAR

“I was about to become 30, and I knew I was about to expire, and wanted to protect myself with a contract that would guarantee I kept working for years to come.”

—MODEL LAUREN HUTTON ON HER 1973 REVLON CONTRACT



LAUREN HUTTON

The Atlantic

“Why on earth would we hitch our wagons again to a crybaby sore loser who lost the popular vote twice, lost the House, lost the Senate, and lost the White House, and so on?”

—GOP CONSULTANT BARBARA COMSTOCK

The New York Times

“Human beings can love and laugh and enjoy each other’s company because we are afforded this space and luxury by a planet that cares for us.”

—ACTOR CHIWETEL EJIOFOR



CHIWETEL EJIOFOR

BBC

“CRITICS ABSOLUTELY SERVE NO PURPOSE. AND I’M NOT SAYING THAT TO BE NASTY EITHER.”

—Actor Viola Davis



VIOLA DAVIS

THE WALL STREET JOURNAL

“The Ukrainians are paying with their lives, we are paying with higher energy prices.”

—Latvian Prime Minister Krišjānis Kariņš



“TWITTER IS THE DIGITAL TOWN SQUARE WHERE MATTERS VITAL TO THE FUTURE OF HUMANITY ARE DEBATED.”

—Elon Musk

FROM LEFT: BENNETT RAGLIN/GETTY; EAMONN M. MCCORMACK/GETTY; ALBERTO E. RODRIGUEZ/GETTY

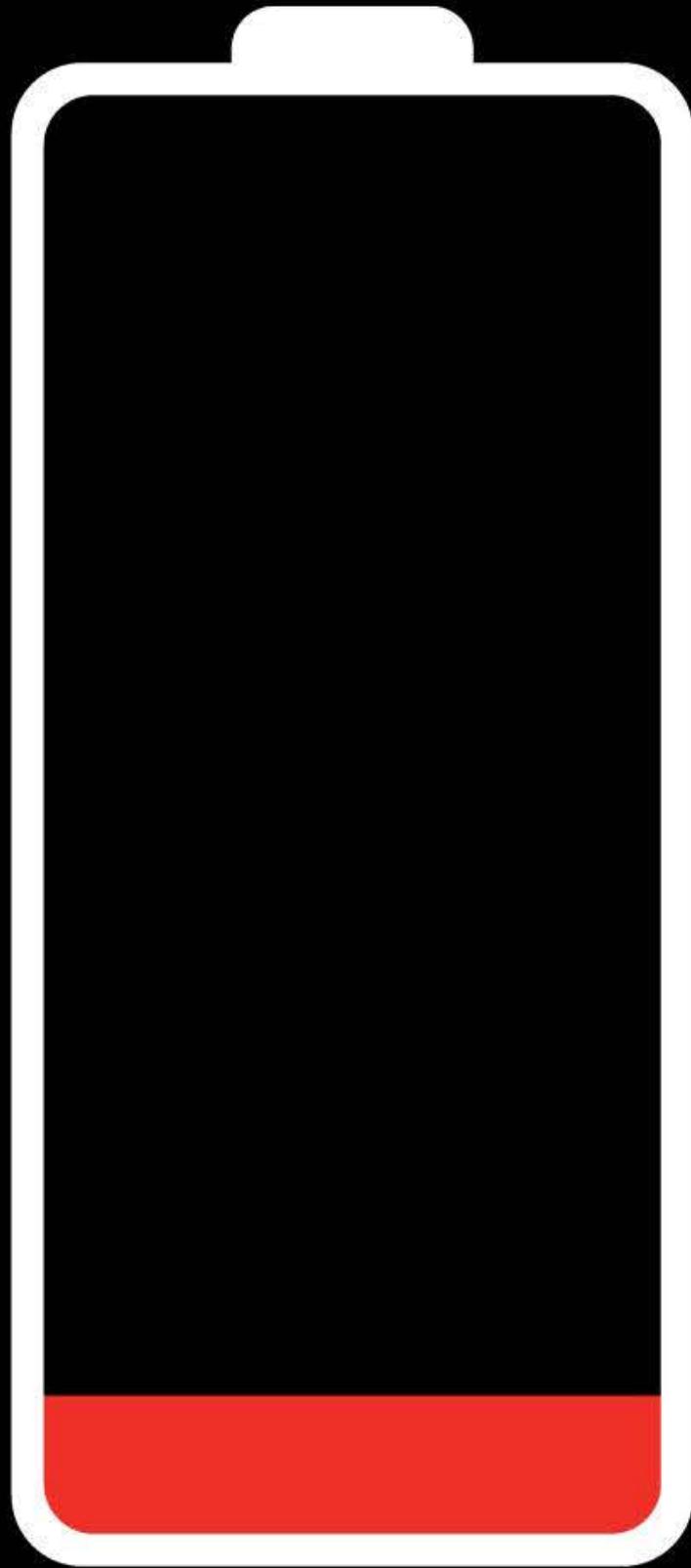
BIG TECH'S GREAT RECKONING



A SPATE OF NEW LAWS IN EUROPE AND THE U.S. FORESHADOW WHAT
COULD BE THE END OF DOMINANCE FOR GOOGLE, FACEBOOK AND AMAZON

BY DAVID H. FREEDMAN

VLAD RACHUK/GETTY



IN FEBRUARY, THE COMPANY FORMERLY KNOWN as Facebook lost \$232 billion in value in the stock market—the biggest loss ever suffered by a U.S. company in a single day, a plunge equal to the combined market values of Netflix and FedEx. By the end of April, the stock had lost another fifth of its value.

Meta Platforms, as the company is now formally known, can only wish that a brutal stock beating is its only problem. Meta faces serious threats on several fronts, and any one of them might prove existential. For the first time in its 18-year history, the number of people who use the once-ubiquitous-seeming Facebook social network has been dropping. Privacy protections added by Apple last year to its phone software are hobbling Facebook's bread-and-butter ad business, which depends on keeping tabs on what users are up to. And the all-important youth market is shunning Facebook in favor of TikTok.

Meta is also facing a daunting level of ire, which is splashing over onto the rest of Big Tech—that is,

LOSS LEADER
Meta faces serious threats on several fronts, and any one of them might prove existential. Below: Mark Zuckerberg is summoned by the U.S. Senate. Bottom: Meta's stock tanks.

Google, Amazon, Apple and Microsoft. These tech giants and Meta are facing scrutiny from regulators and legislators both in the U.S. and Europe. And they are all objects of an intensifying resentment on the part of the public. A sign of the times: A Democratic Congressional candidate in Virginia, Andy Parker, was, until pulling out in mid-April, running almost entirely on a platform of curbing Big Tech's enabling of bad behavior online.

The governments of the U.S. and Europe have essentially decided that they don't want a handful of giant tech companies, accountable to no one but their shareholders, steering the actions of their citizens and shaping our collective worldviews, all in the service of amassing staggering wealth. Legislators and regulators on both sides of the Atlantic are now squaring off against the digital behemoths in what is shaping up to be a modern version of the massive 20th-century antitrust battles with Standard Oil and AT&T.

In late April, the European Union tripled down on its harsh, anti-Big-Tech regulation by passing the Digital Services Act, a suite of laws that would force the giant tech companies to police disinformation, illegal content and misleading advertising far more



“PEOPLE ARE TALKING ABOUT FACEBOOK AS IF

aggressively than they have in the past. In the U.S., regulators, attorneys general and members of Congress from both sides of the aisle are lining up to take action against Meta for its problems managing privacy, disinformation and censorship, as well as abusive and predatory online behavior.

Perhaps more than anything else, the sheer size, influence and wealth of these companies is raising concerns—and painting bullseyes on their backs. “There’s a growing understanding that this concentration of power and enterprise is bad for the rest of us,” says Chuck Collins, a senior scholar at the Institute for Policy Studies, a Washington, D.C., progressive think tank. “The pitchforks are coming for them.”

If successful, efforts to curb the power of these firms will change the world as we know it. It will either mean reducing our dependence on the digital tools these companies have pioneered and largely





KALI NINE/GETTY

IT'S ABOUT TO BECOME **THE NEXT MYSPACE** OR YAHOO. BUT THAT'S NOT GOING TO HAPPEN."

offer for free, or open up competition to new tech companies that aren't so quick to invade privacy, transmit disinformation, spray advertising and support our worst behaviors.

The results will reverberate through our lives in ways no one can predict. The free services we have come to depend on to search out information, stay in touch with friends, navigate the streets, get goods zipped to our doorsteps and place everything from banking to ridesharing at our fingertips could become expensive, or less convenient—or might dry up altogether. Or perhaps, as happened with Standard Oil and AT&T, we will enter a golden age of competition that yields more choice, better products and lower costs while respecting privacy. .

Big Tech is facing a reckoning. It won't go down without a fight, but there may be little it can do to stem the backlash.

The Trillion-Dollar Club

BIG TECH IS RAKING IT IN, PLAIN AND SIMPLE. IN 2021, while the world struggled with a surging pandemic, Meta, Google, Amazon, Apple and Microsoft—the Big Tech Five—enjoyed surging revenues. Combined they took in well over \$1.2 trillion, the most they've ever made, and close to \$200 billion more than in 2020, which was itself a record year.

Even Meta, despite all the battering its reputation and stock are taking, is sitting pretty. Last year it took in \$86 billion. The recent drop in daily users is a blip compared to its total of two billion users a day. Its monthly user total, which is the metric more closely watched by advertisers, is still rising. "People are talking about Facebook as if it's about to become the next MySpace or Yahoo," says Daniel Salmon, an analyst who follows Meta for BMO Capital Markets, referring to two once-dominant tech companies that faded away to

FROWN EMOJI

Meta surprised its own research showing that Instagram is harming the mental health of teenagers. It's no wonder parents are angry. Above: kids perform for the apps.



“THERE’S A GROWING UNDERSTANDING THAT THIS **CONCENTRATION OF POWER** AND

insignificance. “But I don’t think that’s going to happen.”

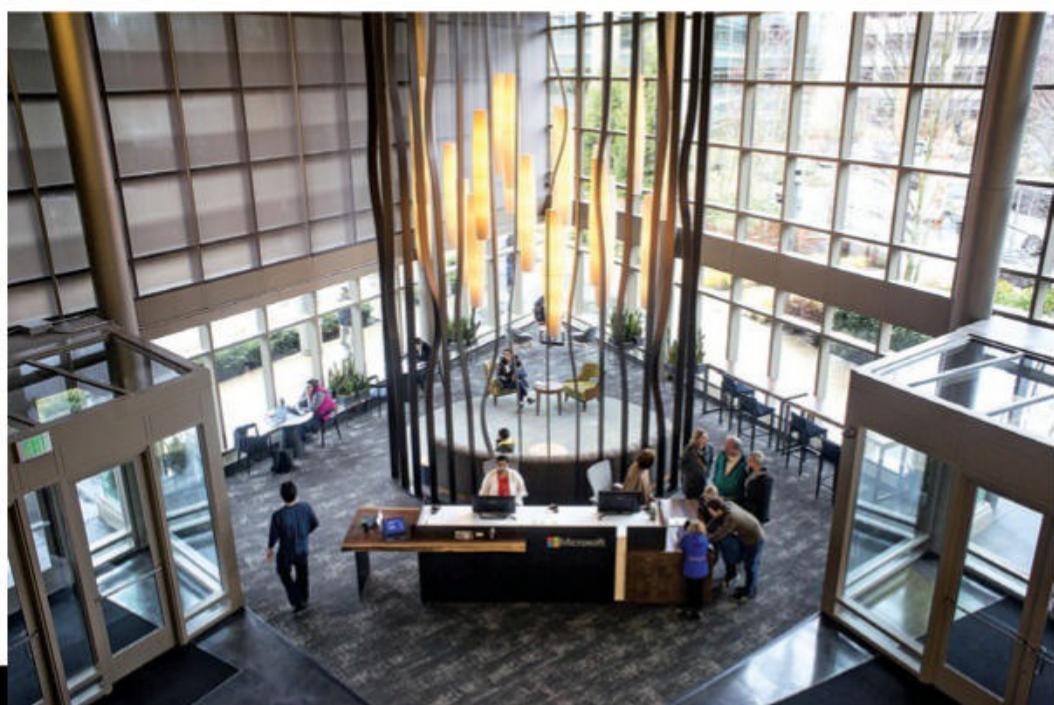
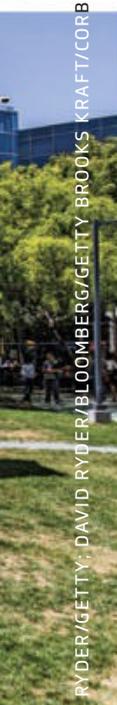
What’s more, Meta’s efforts to dominate the future of the nascent virtual-reality (VR) “metaverse”—where goggle-wearing users explore, game, learn, shop and meet up in 3-D spaces—are starting to bear fruit. Meta’s Quest VR goggles have taken over about half the market; its Quest software store has hit \$1 billion in sales since it debuted in 2020; and its online metaverse platform has grown by a factor of 10 over the past three months to 300,000 users.

Meta and the other members of the ultra-elite club of tech titans is gunning hard for even more dominance. They are spending hundreds of billions of dollars to add new facilities, expand product lines and buy smaller companies. These five tech giants alone account for nearly one out every 10 dollars invested by businesses in the U.S.

This success and ambition might be viewed more favorably if a significant portion of the enormous

wealth these companies generate was passed along to workers in the form of high wages. But the windfalls tend to enrich a small cadre of investors and tech-savvy knowledge workers in Silicon Valley and Seattle rather than the factory workers churning out iPhones or those laboring in Amazon delivery vans and warehouses. It’s no coincidence that the formidable Teamsters union is throwing its weight behind—and gaining ground in—an effort to unionize Amazon workers. On April 1, the Amazon facility in Staten Island, N.Y., became the first whose workers voted to do so. Union organizers say they’re looking to increase hourly wages from about \$16 to \$30.

It might help, too, if the Big Tech Five continued as the bold disruptors of tired industries they once were. But lately they’ve congealed into what economists call “rent extractors,” collecting a virtually assured continuous stream of money by offering only incremental improvements in their products.



BIG TECH

other mobile devices. Through a vast network of business partnerships, Meta now receives data from more than eight million websites describing the activities of Facebook users who visit the sites. The sites and apps feeding Facebook's huge appetite for data include Yelp, Duolingo, Indeed and many others.

Although Facebook has seen serious competitors spring up, it acquired two of the biggest and fastest growing: Instagram and WhatsApp. The messaging app WhatsApp rose to popularity around the world in large part because it was considered a beacon of privacy protection, shrouding all its messages with encryption. When Meta bought the app's parent company in 2014, the company said it would keep those privacy protections. Early last year, however, it told WhatsApp users that they either had to consent to being tracked by Facebook, or delete the app. It relented only after millions of users fled the app for independent competitors like Signal. Meta is particularly thorough in gathering data from users of its own websites and apps. For instance, it

ENTERPRISE IS BAD FOR THE REST OF US. THE PITCHFORKS ARE COMING FOR THEM.”

CLOCKWISE FROM TOP LEFT: SAM HALL/BLOOMBERG/GETTY; JOAN CROS/GETTY; DAVID RYDER/GETTY; DAVID RYDER/BLOOMBERG/GETTY; BROOKS KRAFT/CORBIS/GETTY; DAVID PAUL MORRIS/BLOOMBERG/GETTY

The iPhone and the Windows operating system once represented meteoric improvements in technology, but the iPhone 13 or Windows 11 are hardly distinguishable from their predecessors.

“The experiences they give us aren't all that great anymore,” says Maritza Johnson, who heads the Center for Digital Civil Society at the University of San Diego. “It's harder to get excited about it.”

What's becoming easier to get excited about, on the other hand, is how Big Tech—and, in particular, Facebook and Google—have converted what they know about their users into a massive income of advertising dollars. For years users seemed to give these incursions into online privacy little thought, but now concern is growing.

Meta, for instance, has been under fire for tracking what its users click on and see online. The company fields an array of data-gathering tools that reach across the entire web, including phones and

POWER CENTERS

Clockwise from top left: Apple HQ in Cupertino, California; Meta's Oculus Quest 2 headset; Amazon's Seattle HQ; Microsoft's in Redmond, Washington; Google's campus in Mountainview, California; Facebook's “war room”.

hangs on to as much as 79 percent of the personal data it sees through its Instagram app, according to an analysis by information-technology-services company PCloud.

It's no secret that Meta uses that data to help advertisers hit up the right users with the right messages, as well as to shape its recommendations for content to look at and groups to join. Apple's 2021 iPhone privacy enhancements, which push users to choose whether they want to allow third parties to track them, put a crimp in Meta's data-gathering abilities. But the company still has a rich stream of information on users flowing in through Android phones and the web. It is also well positioned to turn the metaverse into a new, even larger pipeline of user data, largely because VR goggles like Meta's Quest include cameras that can observe the user's body and surroundings.

Facebook's data collection practices might not seem invasive when couched in anodyne business

terms of browsing habits and advertising. But the information it routinely gathers on each one of its users would make a revealing dossier. Data on browsing habits—what web pages people visit, what they click on there, and what they buy—could easily reveal political views, health concerns, eating habits, travel plans and social circles. There’s no telling what else clever artificial-intelligence programs could glean from each person’s digital habits in the future. Considering that Facebook collects this data on the digital activities of millions of people 24 hours a day, seven days a week, it starts to look like a potential privacy nightmare on a vast scale.

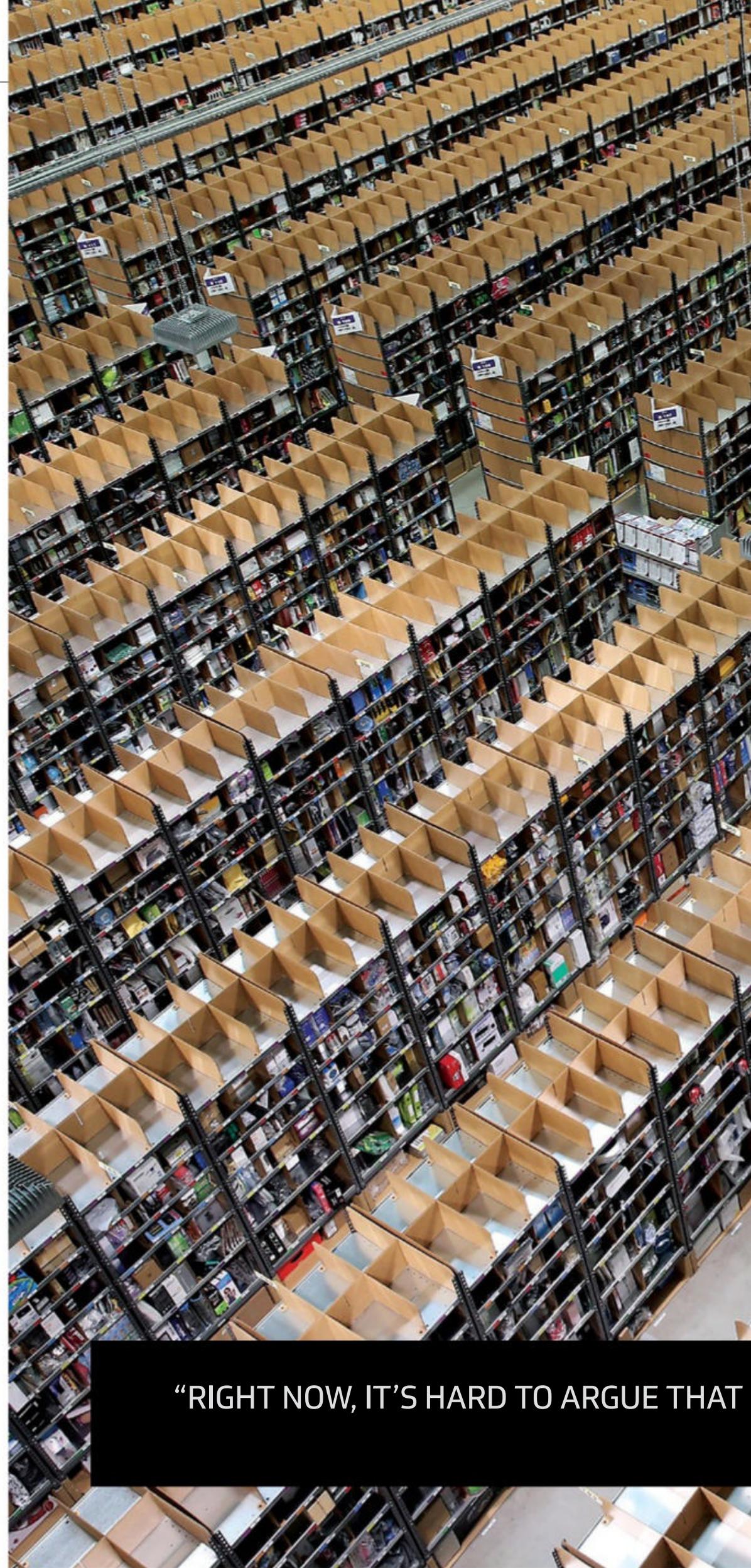
Exactly what data Facebook is enlisting, and in what ways, is very much a secret. “It’s so opaque that people don’t even know exactly what questions to ask,” says the University of San Diego’s Johnson. “And if they did, Facebook wouldn’t answer, and if Facebook did answer there’d be no way to verify the answer.”

As if to underscore the point, Facebook declined to make an executive available for an interview for this article.

Cracking Down

GOOGLE, TOO, COLLECTS ENORMOUS STREAMS OF DATA about people and shares it with advertisers. Much of it comes from the keywords we type into searches, but it also gathers information about users through the websites they visit and what they click on there, largely thanks to its ownership of the Chrome browser used by two out of three website visitors. Google’s voice assistant and home services, such as speakers, security cameras and smoke alarms, provide another source of insight into user behaviors. And Google owns Android, the phone operating system that’s on more than twice as many phones as Apple’s iOS, offering another major way to know what users are doing. (Google, too, declined to make an executive available for an interview.)

Apple has access to similar sorts of user information through its own hardware, software and services, but now offers protection from third-party tracking by default. Meta and Google both offer users the option to set similar sorts of tracking-protection features, but users typically don’t take the trouble or don’t have the know-how to find and activate these protections. Also concerning: All three mega-companies have invested heavily in artificial intelligence, which can figure out much more



SEAN GALLUP/GETTY

“RIGHT NOW, IT’S HARD TO ARGUE THAT



TOP HEAVY
Big Tech's windfalls tend to enrich investors rather than factory workers and deliver-van drivers. Left: An Amazon warehouse in Brieselang, Germany.

CONSUMERS HAVE REAL CHOICE. BUT I THINK **THAT'S CHANGING,**
AND WE CAN BE HOPEFUL THAT A NEW WAVE OF INNOVATIONS IS COMING.”



about a person from a given set of data—inferring that someone is likely to have a particular health problem, for example, or a certain sexual preference, based on patterns in online behavior.

The public seems fed up with being tracked by the tech giants. An October survey conducted by the Public Affairs Council and Morning Consult found that Americans rank the tech sector near the bottom of all major business sectors in trustworthiness; only the pharmaceutical, health insurance and energy industries earned less trust. That's a huge shift from just four years ago, when the same poll found that the tech industry was deemed the most trustworthy. Surveys from four or more years ago suggested that many users were once willing to trade off some privacy for the convenience of online services and platforms, but the newer data suggests that deal is looking increasingly unattractive.

Perhaps even more aggravating to many people than the potential privacy violations, at least where Meta is concerned, is the tension between the spread of hateful, predatory and dangerous misinformation and efforts to remove or limit toxic posts and comments. Starting with Facebook's role in promoting election disinformation in 2016, liberal critics lambasted the company for its failure to police its platform against false claims about election fraud, anti-vaccine propaganda and calls for political violence preceding the January 6, 2021, insurrection. But Facebook's business model is crucially dependent on algorithms that promote posts that are likely to appeal to a user—a practice that tends to push the most inflammatory and inaccurate material to the top.

Adding further fuel to the fire, Meta former-employee-turned-whistle-blower Frances Haugen disclosed a trove of damaging inside information about the company's failure to control problematic content in 2021 Congressional testimony. In particular, she revealed that the company had suppressed the findings of its own research showing that Meta-owned Instagram was harming teens' mental health. The revelations made it clear that Meta's own software wasn't merely failing to catch and remove the most dangerous and toxic content, it tended to actively promote it.

"The most polarizing things are the ones being promoted," says Janna Greenberg, a



“FACEBOOK GETS ATTACKED FROM THE LEFT FOR NOT TAKING

POLARIZING
Facebook's business depends on algorithms that push inflammatory material. Top to bottom: employees at an iPhone factory in Shanghai, China; Frances Haugen; protesters support Amazon workers in New York City.

communications researcher at Boston University. “Neo-Nazis had never had a voice before.”

Conservatives, on the other hand, have railed against various efforts on the part of Meta, Google and other tech companies to remove election-fraud, anti-vax and other disinformation that tends to resonate with large parts of their followers. “Facebook gets attacked from the left for not taking down enough and from the right for taking down too much,” says Rob Atkinson, president of the Information Technology and Innovation Foundation, a nonprofit technology policy think tank in Washington, D.C., that receives some of its funding from technology companies. “It can't win.”

But politicians and regulators can win, by catering to the widespread ire against Big Tech with punitive actions. A November *Washington Post*-Schar School poll found that two in three Americans say the government needs to take action against these companies.

The resulting array of legislation and lawsuits being proposed is breathtaking. The House of Representatives is considering the Justice Against Malicious Algorithms Act along with the Protecting Americans



BETANCUR/AF/GETTY

BIG TECH

from Dangerous Algorithms Act, either of which would remove the protection known as Section 230, which shields social media companies from liability for what their users post. And the Filter Bubble Transparency Act, introduced by a bipartisan group in the House, with a Senate version submitted by Republicans, would require Meta, Google and other large social-media companies to either get rid of the algorithms that promote content or offer a second version of their network that doesn't enlist the algorithms.

In the Senate, meanwhile, the bipartisan Social Media NUDGE Act would enlist the National Academy of Sciences, Engineering and Medicine and the National Science Foundation to come up with techniques that Meta and other social-media companies would be forced to use to tame harmful content online. And the Senate is also looking at a Kids Internet Design and Safety (KIDS) Act that would require the companies to offer special protection for minors.

All of these proposed bills are currently in committee, and while it's difficult to predict when any or all of them might make it to the full chambers, the bipartisan backing they are receiving suggests they all have a good chance of becoming law in some form.

The states are also moving on new laws. In July, Colorado joined California and Virginia in passing legislation that broadly protects residents' online privacy rights, including giving them the right to know about and delete all tracked information, and to opt out of future tracking. Similar bills are being actively considered by legislatures in 12 other states, including Alaska, New York, Louisiana and Pennsylvania. The growing legislative onslaught simply reflects the public's increasing concerns about privacy, says BMO analyst Salmon. "People like getting all these free services from tech companies," he says. "But they don't want the companies collecting their data."

Even without new laws, Big Tech is likely to be hit

ING DOWN ENOUGH AND FROM THE RIGHT FOR **TAKING DOWN TOO MUCH.** IT CAN'T WIN."



FROM TOP: QILAI SHEN/GETTY; CARLOS AVILA GONZALEZ/THE SAN FRANCISCO CHRONICLE/GETTY; KENA

with more and more fines for its perceived transgressions. Both the Justice Department and the Federal Trade Commission, which fined Facebook \$5 billion in 2019 for privacy violations such as sharing users' data with third parties without their knowledge or permission, have announced they are closely looking at Big Tech's past acquisitions to determine if there is a pattern of anti-competitive behavior. And the FTC is also investigating Meta's VR business to determine if the company has priced its VR headsets and shut out third-party VR software developers in ways that violate antitrust law, according to reports from *Bloomberg* and others. State attorneys general are also expected to act; Texas has already sued Meta for illegally gathering facial recognition data from users, a case that's currently in discovery.

And private groups are getting in on the action: in February Meta settled a class-action suit over tracking users through cookies after they had signed out of the Facebook platform, agreeing to pay \$90 million to plaintiffs. And an Illinois group is suing Meta over the practice of allowing the posting of photographs of people who aren't users of the company's platforms.



Break Them Up?

FOR ALL THE RECENT ACTION AIMED AT BIG-TECH, the U.S. is playing catch-up with Europe. The European Union passed the General Data Protection Regulation, or GDPR, back in 2018, placing strong limits on how tech companies can collect and use data, such as limiting user data to the minimum needed for an approved purpose, protecting the confidentiality of the data, and ensuring the data is accurate and up-to-date. That regulation even limits the ability of Big Tech to move data across borders to countries such as the U.S., where using the data would be legal.

Meta and Google have both publicly complained that the laws are hurting their core businesses. In filings with European regulators, Meta has implied it might withdraw access to its platforms from European users—though the company later issued a statement denying it is “threatening to leave Europe.”

In March, the E.U. doubled down on its efforts to constrain Big Tech’s growth by passing the Digital Markets Act, which places severe new limits on the



GETTY; DOUGLAS GRAHAM/CONGRESSIONAL QUARTERLY/GETTY; SAUL LOEB/AFP/GETTY

“IT’S SO OPAQUE THAT **PEOPLE DON’T EVEN KNOW** EXACTLY WHAT QUESTIONS TO ASK. FACEBOOK WOULDN’T ANSWER. AND IF FACEBOOK DID ANSWER,

companies’ ability to promote their own products over competitors’, to keep competitors from accessing their services, or to bundle or pre-install their services—all practices that are key parts of these companies’ strategies. Under this act, for example, Google might not be able to pre-install its Android software on some phones or promote its own services in search results, Meta might not be able to combine the data it has on Facebook and Instagram users, and Amazon might not be able to keep competitors from accessing information about the nearly two million merchants that sell on its platform.

European regulators have already leveled a nearly \$3 billion fine on Google for promoting its shopping-comparison service over those of its competitors. Italy and the Netherlands have hit Apple with multi-million-dollar fines for anti-competitive behavior. And the U.K., which has already forced Meta to sell one small competitor it acquired, has appointed a special regulator to keep a particularly

close eye on both Meta and Google.

The Digital Services Act goes even further. It would force the giant tech companies to police disinformation, illegal content and misleading advertising far more aggressively than they have in the past. The law, which bans online ads aimed at children, authorizes the European Union to levy fines of six percent of a company’s annual worldwide revenue and to banish recidivists from the EU entirely.

The U.S. seems ready to follow Europe in cracking down. FTC Chair Lina Khan, appointed in June, has in the past proposed prohibiting Big Tech companies from expanding through antitrust regulation. One FTC antitrust suit against Meta, based in part on its acquisitions of WhatsApp and Instagram, got a green light from a judge in January. Separately, the FTC, along with several states, is investigating Meta for anti-competitive tactics in its new VR and metaverse business.

Google, meanwhile, faces lawsuits from the U.S. Department of Justice and multiple states over its

FROM TOP: ANDREW HARRER/BLOOMBERG/

dominance of the online search business. Congress is also considering two bipartisan bills, the American Innovation and Choice Online Act and the Open App Markets Act, that would further limit Big Tech's ability to stifle competition. Both are advancing to the Senate floor, where they are likely to pass.

Wielding antitrust law against Big Tech is tricky, says the Institute for Policy Studies' Collins, but growing public resentment of the companies have spurred lawmakers and regulators to figure out how to do it. "Anti-trust is a blunt instrument that was meant to address pricing competition, which is why it hasn't been used in meaningful ways in years," he says. "But the new actions are about the larger issues of bigness, power and influence."

When it comes to cutting Big Tech down to size, the history of antitrust in the U.S. suggests that the free market may beat regulators to the punch. The last big antitrust actions, against Microsoft in 1998 and IBM in 1969, were essentially dropped because competitors rose up to challenge and eventually beat the

TOO MANY BUGS

Most Americans want the U.S. to rein in Big Tech, polls say. Top to bottom: Google's Sundar Pichai; Microsoft's Bill Gates and Sun Microsystems' Scott McNeally testify to Congress in 1998; the FTC's Lina Khan.

companies at their own game. Today IBM is a relatively small player, and while Microsoft is still a giant, its market value is half a trillion dollars less than Apple's. Today's Big Tech Five might likewise give up ground to smaller, nimbler, more innovative competitors.

Or it may be that they take each other down, like battling kaijus, as they start going after the same markets. Meta is now in the hardware business via its Quest VR headsets, where it competes directly with Google, Apple and Microsoft, who have been trying to get into this potentially explosive area. Amazon has seen Meta's Facebook Shops platform, as well as shopping on Instagram, cut into its core business.

What's more, Apple's move to block iPhone apps from tracking users by default may be just the first salvo in a war between Apple, Meta and Google to limit each other's insights into their users, damaging all their businesses, and perhaps dragging down the entire online advertising industry. Even Amazon and Microsoft could be hurt—they each earned \$31 billion and \$10 billion from advertising in 2021, respectively, and both clearly intend to grow those numbers. The proportion of the Big Five's revenues that come from businesses in which they compete with each other is now 40 percent, twice what it was six years ago, according to *The Economist*.

"A lot of the effort to undermine these companies is coming not from the public, but from competitors," says the Information Technology and Innovation Foundation's Atkinson. "Some of the biggest attacks are between the big tech companies themselves."

You'll Miss Me When I'm Gone

REGARDLESS OF WHETHER BIG TECH SUCCUMBS TO regulators, its own internal combat or new competitors, the public is likely to be the ultimate winner, claims Johnson. "Right now, it's hard to argue that consumers have a real choice," she says. "But I think that's changing, and we can be hopeful that a new wave of innovations is coming."

If this indeed is the beginning of the end of Big Tech, will we one day come to miss it? Will we look back nostalgically at Google's search bar, Facebook's news feed and Amazon's one-stop marketplace and the feeling of being enveloped in low-cost, convenient services? Or will we revel in the freedom and innovation that a new generation of scrappier, less-invasive companies brings us?

We should know soon enough. **N**

AND IF THEY DID,
THERE'D BE NO WAY TO VERIFY THE ANSWER."



AMERICA'S BEST

Maternity



Hospitals

2022



GETTY



HERE'S NOTHING MORE JOYFUL THAN THE BIRTH OF A HEALTHY BABY. HIGH QUALITY maternity care from pregnancy through birth and even postpartum is key to the long-term health of both newborns and of new mothers. To help you pick the best place to achieve the happy outcome of a healthy child and a healthy mother, *Newsweek* and data firm Statista are proud to announce our ranking of America's Best Maternity Hospitals 2022. Our list names the top 350 leading hospitals for maternity care in the U.S., divided into two performance categories: five-ribbon hospitals (161 institutions) and four-ribbon hospitals (189 institutions). Within each category, hospitals are listed in alphabetical order.

The evaluation is based on three data sources: a nationwide online survey in which hospital managers and maternity health care professionals (e.g., neonatal care providers and OB/GYNs) were asked to recommend leading maternity hospitals; medical key performance indicator data relevant to maternity care (e.g., a hospital's rate of cesarean births); and patient-satisfaction data (e.g., how patients rated a hospital's medical staff for responsiveness and communication). We hope you find our ranking useful in choosing the right maternity hospital for your family. ▶ **Nancy Cooper**, *Global Editor in Chief*

RIBBONS	HOSPITAL
★★★★★	Adena Regional Medical Center CHILLICOTHE, OH
★★★★★	Adventhealth Wesley Chapel WESLEY CHAPEL, FL
★★★★★	Adventist Health Castle KAILUA, HI
★★★★★	Advocate Christ Medical Center OAK LAWN, IL
★★★★★	Advocate Good Samaritan Hospital DOWNERS GROVE, IL
★★★★★	Advocate Lutheran General Hospital PARK RIDGE, IL
★★★★★	Albert Einstein Medical Center PHILADELPHIA, PA
★★★★★	Altru Hospital GRAND FORKS, ND
★★★★★	Anne Arundel Medical Center ANNAPOLIS, MD
★★★★★	Ascension Providence Hospital SOUTHFIELD, MI
★★★★★	Ascension Sacred Heart Emerald Coast MIRAMAR BEACH, FL
★★★★★	Atrium Health Cleveland SHELBY, NC
★★★★★	Atrium Health Pineville CHARLOTTE, NC

RIBBONS	HOSPITAL
★★★★★	Aurora Baycare Medical Center GREEN BAY, WI
★★★★★	Avera McKennan Hospital and University Health Center SIOUX FALLS, SD
★★★★★	Banner Fort Collins Medical Center FORT COLLINS, CO
★★★★★	Barnes-Jewish Hospital SAINT LOUIS, MO
★★★★★	Baylor Scott & White Medical Center - Centennial FRISCO, TX
★★★★★	Baylor University Medical Center DALLAS, TX
★★★★★	Bellin Memorial Hospital GREEN BAY, WI
★★★★★	Beth Israel Deaconess Medical Center BOSTON, MA
★★★★★	Bethesda North Hospital CINCINNATI, OH
★★★★★	Billings Clinic Hospital BILLINGS, MT
★★★★★	Boston Medical Center Corporation BOSTON, MA
★★★★★	Brigham and Women's Hospital BOSTON, MA

RIBBONS	HOSPITAL
★★★★★	Brookwood Baptist Medical Center BIRMINGHAM, AL
★★★★★	Castle Rock Adventist Hospital CASTLE ROCK, CO
★★★★★	Centura Health-Avista Adventist Hospital LOUISVILLE, CO
★★★★★	Christ Hospital CINCINNATI, OH
★★★★★	Cleveland Clinic - Hillcrest Hospital MAYFIELD HEIGHTS, OH
★★★★★	Cleveland Clinic Fairview Hospital CLEVELAND, OH
★★★★★	Colorado Plains Medical Center FORT MORGAN, CO
★★★★★	Community Hospital North INDIANAPOLIS, IN
★★★★★	Community Hospital South INDIANAPOLIS, IN
★★★★★	Dartmouth-Hitchcock Medical Center LEBANON, NH
★★★★★	Duke Regional Hospital DURHAM, NC
★★★★★	Duke University Hospital DURHAM, NC
★★★★★	Eastern Idaho Regional Medical Center IDAHO FALLS, ID
★★★★★	Edward Hospital NAPERVILLE, IL
★★★★★	El Camino Hospital MOUNTAIN VIEW, CA
★★★★★	Elkhart General Hospital ELKHART, IN
★★★★★	Englewood Hospital and Medical Center ENGLEWOOD, NJ
★★★★★	Evanston Hospital EVANSTON, IL
★★★★★	Foothills Hospital BOULDER, CO

RIBBONS HOSPITAL

- ★★★★★ **French Hospital Medical Center**
SAN LUIS OBISPO, CA
- ★★★★★ **Froedtert Hospital and the Medical College of Wisconsin**
MILWAUKEE, WI
- ★★★★★ **Genesis Medical Center-Davenport, East Rusholme Street**
DAVENPORT, IA
- ★★★★★ **Good Samaritan Hospital, Cincinnati, OH**
CINCINNATI, OH
- ★★★★★ **Greater Baltimore Medical Center**
BALTIMORE, MD
- ★★★★★ **Hackensack Meridian Health Pascack Valley Medical**
WESTWOOD, NJ
- ★★★★★ **Health One - Rose Medical Center**
DENVER, CO
- ★★★★★ **Hoag Memorial Hospital Presbyterian**
NEWPORT BEACH, CA
- ★★★★★ **Hospital of the University of Pennsylvania - Penn Presbyterian**
PHILADELPHIA, PA
- ★★★★★ **Houston Methodist Hospital**
HOUSTON, TX
- ★★★★★ **Houston Methodist The Woodlands Hospital**
THE WOODLANDS, TX

RIBBONS HOSPITAL

- ★★★★★ **Indiana University Health West Hospital**
AVON, IN
- ★★★★★ **Inova Alexandria Hospital**
ALEXANDRIA, VA
- ★★★★★ **Inova Loudoun Hospital**
LEESBURG, VA
- ★★★★★ **Insight Hospital & Medical Center**
CHICAGO, IL
- ★★★★★ **Jefferson Health - Thomas Jefferson University Hospitals**
PHILADELPHIA, PA
- ★★★★★ **Kaiser Permanente Downey Medical Center**
DOWNEY, CA
- ★★★★★ **Kaiser Permanente Fontana Medical Center & Ontario Medical Center**
FONTANA, CA
- ★★★★★ **Kaiser Permanente Los Angeles Medical Center**
LOS ANGELES, CA
- ★★★★★ **Kaiser Permanente Moanalua (Hawaii) Medical Center**
HONOLULU, HI
- ★★★★★ **Kaiser Permanente Orange County - Anaheim Medical Center & Irvine Medical Center**
ANAHEIM, CA

RIBBONS HOSPITAL

- ★★★★★ **Kaiser Permanente Riverside Medical Center**
RIVERSIDE, CA
- ★★★★★ **Kaiser Permanente San Diego Medical Center & Zion Medical Center**
SAN DIEGO, CA
- ★★★★★ **Kaiser Permanente San Francisco Medical Center**
SAN FRANCISCO, CA
- ★★★★★ **Kaiser Permanente San Jose Medical Center**
SAN JOSE, CA
- ★★★★★ **Kaiser Permanente Santa Clara Medical Center**
SANTA CLARA, CA
- ★★★★★ **Kaiser Permanente Santa Rosa Medical Center**
SANTA ROSA, CA
- ★★★★★ **Kaiser Permanente South Sacramento Medical Center**
SACRAMENTO, CA
- ★★★★★ **Lake Granbury Medical Center**
GRANBURY, TX
- ★★★★★ **Loma Linda University Children's Hospital**
LOMA LINDA, CA
- ★★★★★ **Loma Linda University Medical Center-Murrieta**
MURRIETA, CA
- ★★★★★ **Lutheran Medical Center**
WHEAT RIDGE, CO
- ★★★★★ **Magee Womens Hospital of UPMC Health System**
PITTSBURGH, PA
- ★★★★★ **Maine Medical Center**
PORTLAND, ME
- ★★★★★ **Marian Regional Medical Center**
SANTA MARIA, CA
- ★★★★★ **Massachusetts General Hospital**
BOSTON, MA
- ★★★★★ **Mayo Clinic - Health System In Eau Claire**
EAU CLAIRE, WI
- ★★★★★ **Mayo Clinic - Rochester**
ROCHESTER, MN





RIBBONS HOSPITAL

- ★★★★★ **Medical City Dallas Hospital**
DALLAS, TX

- ★★★★★ **MedStar Georgetown University Hospital**
WASHINGTON, DC

- ★★★★★ **Memorial Hospital of South Bend**
SOUTH BEND, IN

- ★★★★★ **Mercy Hospital Jefferson**
FESTUS, MO

- ★★★★★ **Mercy Hospital Oklahoma City, Inc.**
OKLAHOMA CITY, OK

- ★★★★★ **MercyOne Dubuque Medical Center**
DUBUQUE, IA

- ★★★★★ **Mills-Peninsula Medical Center**
BURLINGAME, CA

- ★★★★★ **Morristown Medical Center**
MORRISTOWN, NJ

- ★★★★★ **Mount Auburn Hospital**
CAMBRIDGE, MA

- ★★★★★ **Nebraska Medicine - Nebraska Medical Center**
OMAHA, NE

- ★★★★★ **New York-Presbyterian Brooklyn Methodist Hospital**
BROOKLYN, NY

- ★★★★★ **New York-Presbyterian Hospital-Columbia and Cornell**
NEW YORK, NY

- ★★★★★ **North Suburban Medical Center**
THORNTON, CO

- ★★★★★ **Northwest Community Hospital 1**
ARLINGTON HEIGHTS, IL

- ★★★★★ **Northwestern Medicine Central DuPage Hospital**
WINFIELD, IL

- ★★★★★ **Northwestern Memorial Hospital**
CHICAGO, IL

- ★★★★★ **Novant Health Presbyterian Medical Center**
CHARLOTTE, NC

- ★★★★★ **NYU Langone Hospitals**
NEW YORK, NY

RIBBONS HOSPITAL

- ★★★★★ **Ochsner St. Anne Hospital**
RACELAND, LA

- ★★★★★ **Ohio State University - Wexner Medical Center**
COLUMBUS, OH

- ★★★★★ **OhioHealth Riverside Methodist Hospital**
COLUMBUS, OH

- ★★★★★ **OHSU Hospital**
PORTLAND, OR

- ★★★★★ **Overlake Hospital Medical Center**
BELLEVUE, WA

- ★★★★★ **Palomar Medical Center**
ESCONDIDO, CA

- ★★★★★ **Parker Adventist Hospital**
PARKER, CO

- ★★★★★ **Parkview DeKalb Hospital**
AUBURN, IN

- ★★★★★ **Parkview Regional Medical Center**
FORT WAYNE, IN

- ★★★★★ **Pennsylvania Hospital**
PHILADELPHIA, PA

- ★★★★★ **Presbyterian St. Luke's Medical Center**
DENVER, CO

- ★★★★★ **Providence Mission Hospital**
MISSION VIEJO, CA

- ★★★★★ **Regions Hospital**
SAINT PAUL, MN

- ★★★★★ **Research Medical Center**
KANSAS CITY, MO

RIBBONS HOSPITAL

- ★★★★★ **Rush University Medical Center**
CHICAGO, IL

- ★★★★★ **Saint Joseph Hospital, Denver**
DENVER, CO

- ★★★★★ **Saint Peter's University Hospital**
NEW BRUNSWICK, NJ

- ★★★★★ **Santa Barbara Cottage Hospital**
SANTA BARBARA, CA

- ★★★★★ **Scripps Memorial Hospital - Encinitas**
ENCINITAS, CA

- ★★★★★ **Scripps Mercy Hospital**
SAN DIEGO, CA

- ★★★★★ **Sharp Chula Vista Medical Center**
CHULA VISTA, CA

- ★★★★★ **Sharp Memorial Hospital**
SAN DIEGO, CA

- ★★★★★ **Sinai Hospital of Baltimore**
BALTIMORE, MD

- ★★★★★ **Sky Ridge Medical Center**
LONE TREE, CO

- ★★★★★ **Southeast Hospital**
CAPE GIRARDEAU, MO

- ★★★★★ **St. Anthony Summit Medical Center**
FRISCO, CO

- ★★★★★ **St. Marys Medical Center**
GRAND JUNCTION, CO

- ★★★★★ **St. Vincent Healthcare**
BILLINGS, MT

- ★★★★★ **St. John's Health**
JACKSON, WY

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RIBBONS HOSPITAL

- ★★★★★ **St. Luke's Hospital of Kansas City**
KANSAS CITY, MO
- ★★★★★ **Sutter Maternity & Surgery Center of Santa Cruz**
SANTA CRUZ, CA
- ★★★★★ **Sutter Medical Center, Sacramento**
SACRAMENTO, CA
- ★★★★★ **Swedish Issaquah**
ISSAQUAH, WA
- ★★★★★ **Swedish Medical Center**
SEATTLE, WA
- ★★★★★ **The Mount Sinai Hospital**
NEW YORK, NY
- ★★★★★ **Tufts Medical Center**
BOSTON, MA
- ★★★★★ **UC Irvine Medical Center**
ORANGE, CA
- ★★★★★ **UC San Diego Health - Jacobs Medical Center**
SAN DIEGO, CA

RIBBONS HOSPITAL

- ★★★★★ **UCHealth Yampa Valley Medical Center**
STEAMBOAT SPRINGS, CO
- ★★★★★ **UCLA Medical Center - Santa Monica**
SANTA MONICA, CA
- ★★★★★ **UCSF Medical Center**
SAN FRANCISCO, CA
- ★★★★★ **UF Health Shands Hospital**
GAINESVILLE, FL
- ★★★★★ **UMass Memorial Medical Center**
WORCESTER, MA
- ★★★★★ **UNC REX Hospital**
RALEIGH, NC
- ★★★★★ **UnityPoint Health - St. Luke's Hospital**
CEDAR RAPIDS, IA
- ★★★★★ **UnityPoint Health - St. Luke's Regional Medical Center**
SIOUX CITY, IA
- ★★★★★ **University Health Lakewood Medical Center**
KANSAS CITY, MO

RIBBONS HOSPITAL

- ★★★★★ **University Health System**
SAN ANTONIO, TX
- ★★★★★ **University Health Truman Medical Center**
KANSAS CITY, MO
- ★★★★★ **University Hospitals Cleveland Medical Center**
CLEVELAND, OH
- ★★★★★ **University of California - Davis Medical Center**
SACRAMENTO, CA
- ★★★★★ **University of Chicago Medical Center**
CHICAGO, IL
- ★★★★★ **University of Colorado Hospital**
AURORA, CO
- ★★★★★ **University of Kansas Hospital**
KANSAS CITY, KS
- ★★★★★ **University of North Carolina Hospitals**
CHAPEL HILL, NC

METHODOLOGY

THE AMERICA'S BEST MATERNITY Hospitals 2022 ranking awards the 350 leading maternity hospitals in the U.S. The list is based on three data sources:

1. Nationwide online survey

From February to March 2022 over 10,000 hospital managers and maternity health care professionals with knowledge about maternity processes were asked to recommend leading maternity hospitals in the U.S. Recommendations for their own employer/hospital were not allowed.

Participants were asked to rate the recommended maternity hospitals in several quality dimensions on a scale of 1-10: perinatal care, operative obstetrics, patient education, accommodation and service and overall nurse and midwife staffing. These assessments and the recommendations were used to determine the reputation score.

2. Medical key performance indicators

These are publically available data from a variety of sources on indicators relevant to maternity care. From the Joint Commission International, an independent, nonprofit hospital accreditation organization, data were available for: cesarean birth, exclusive breast milk feeding and perinatal care, as well as overall complications in term newborns per 1000 live births classified as overall, moderate and severe. Data on elective delivery was available from the Centers for Medicare and Medicaid Services. These data were used to determine the KPI score.

3. Results from patient surveys

Publically available data from hospital surveys of patient satisfaction during their hospitalizations. Survey topics included: cleanliness of the

hospital, communication of the nurses/doctors, care transition, communication about medicines, discharge information, quietness and staff responsiveness. Those data were used to determine the patient score.

Based on predefined thresholds for each of the three data sources, awarded hospitals were grouped into two tiers: five-ribbon hospitals and four-ribbon hospitals.

► **Five-ribbon performance** = KPI score >83% + reputation score >65% +patient score >70% (161 hospitals)

► **Four-ribbon performance** = KPI score >70% +reputation score >60% + patient score >70% (189 hospitals)

The rankings are composed exclusively of hospitals that are eligible with regard to the scope described here. The ranking is the result of an elaborate process

which, due to the interval of data-collection and analysis, is a reflection of the last 12 months. Furthermore, events preceding or following the period 3/31/21 to 3/31/22 and/or pertaining to individual persons affiliated/associated with the facilities were not included in the metrics. The results of this ranking should not be used as the sole source of information for future deliberations. The information provided in this ranking should be considered with other available information about hospitals, or, if possible accompanied by a visit to a facility. Due to the focus on uncomplicated pregnancies, no conclusions toward high-risk pregnancies and specialized obstetrics care pertaining to these situations can be drawn from this ranking. The quality of hospitals that are not included in the ranking is not disputed.

RIBBONS HOSPITAL

★★★★★ **University of Virginia Medical Center**
CHARLOTTESVILLE, VA

★★★★★ **VCU Medical Center**
RICHMOND, VA

★★★★★ **Virtua Voorhees Hospital**
VOORHEES, NJ

★★★★★ **Wakemed**
CARY, NC

★★★★★ **Wakemed, Raleigh Campus**
RALEIGH, NC

★★★★★ **Yale New Haven Hospital**
NEW HAVEN, CT

★★★★ **Abbeville General Hospital**
ABBEVILLE, LA

★★★★ **Abbott Northwestern Hospital**
MINNEAPOLIS, MN

★★★★ **Abington - Jefferson Health**
ABINGTON, PA

★★★★ **AdventHealth Central Texas**
KILLEEN, TX

★★★★ **Adventhealth Orlando**
ORLANDO, FL

★★★★ **Adventhealth Tampa**
TAMPA, FL

★★★★ **Advocate Condell Medical Center**
LIBERTYVILLE, IL

★★★★ **Advocate Illinois Masonic Medical Center**
CHICAGO, IL

★★★★ **AMITA Health Adventist Medical Center**
HINSDALE, IL

★★★★ **Asante Three Rivers Medical Center**
GRANTS PASS, OR

★★★★ **Ascension Sacred Heart Pensacola**
PENSACOLA, FL

★★★★ **Ascension St. Vincent Evansville**
EVANSVILLE, IN

★★★★ **Aultman Orrville Hospital**
ORRVILLE, OH

★★★★ **Aurora Lakeland Medical Center**
ELKHORN, WI

RIBBONS HOSPITAL

★★★★ **Aurora Sheboygan Memorial Medical Center**
SHEBOYGAN, WI

★★★★ **Aurora St. Luke's Medical Center**
MILWAUKEE, WI

★★★★ **Bailey Medical Center, LLC**
OWASSO, OK

★★★★ **Banner Casa Grande Medical Center**
CASA GRANDE, AZ

★★★★ **Baylor Scott & White Medical Center - Frisco**
FRISCO, TX

★★★★ **Baylor Scott & White Medical Center Grapevine**
GRAPEVINE, TX

★★★★ **Beaumont Hospital**
ROYAL OAK, MI

★★★★ **Beaumont Hospital**
TROY, MI

★★★★ **Berkshire Medical Center**
PITTSFIELD, MA

★★★★ **Bon Secours St. Mary's Hospital**
RICHMOND, VA

★★★★ **Bon Secours St. Francis Hospital**
CHARLESTON, SC

★★★★ **Bronson Battle Creek Hospital**
BATTLE CREEK, MI

★★★★ **Butler Memorial Hospital**
BUTLER, PA

★★★★ **Carolinas Medical Center**
CHARLOTTE, NC

★★★★ **Catawba Valley Medical Center**
HICKORY, NC

★★★★ **Cedars-Sinai Medical Center**
LOS ANGELES, CA

★★★★ **Centura Health-Littleton Adventist Hospital**
LITTLETON, CO

★★★★ **CHA Cambridge Hospital**
CAMBRIDGE, MA

★★★★ **Chi Health Lakeside**
OMAHA, NE

★★★★ **CHRISTUS Santa Rosa Hospital**
SAN MARCOS, TX

RIBBONS HOSPITAL

★★★★ **Cleveland Clinic Akron General**
AKRON, OH

★★★★ **Cone Health Alamance Regional Medical Center**
BURLINGTON, NC

★★★★ **Cooley Dickinson Hospital**
NORTHAMPTON, MA

★★★★ **Denver Health Medical Center**
DENVER, CO

★★★★ **Dominican Hospital**
SANTA CRUZ, CA

★★★★ **Elmhurst Memorial Hospital**
ELMHURST, IL

★★★★ **Emerson Hospital**
CONCORD, MA

★★★★ **Enloe Medical Center**
CHICO, CA

★★★★ **EvergreenHealth Medical Center**
KIRKLAND, WA

★★★★ **Excelsa Health Westmoreland Hospital**
GREENSBURG, PA

★★★★ **Fairview Southdale Hospital**
EDINA, MN

★★★★ **Fisher-Titus Hospital**
NORWALK, OH

★★★★ **Franklin Woods Community Hospital**
JOHNSON CITY, TN





RIBBONS HOSPITAL

- ★★★★ **Freeman Health System - Freeman Hospital West**
JOPLIN, MO

- ★★★★ **Geisinger Medical Center**
DANVILLE, PA

- ★★★★ **Geisinger-Bloomsburg Hospital**
BLOOMSBURG, PA

- ★★★★ **Good Samaritan Medical Center**
LAFAYETTE, CO

- ★★★★ **Grady Memorial Hospital, Delaware**
DELAWARE, OH

- ★★★★ **Greenwood Leflore Hospital**
GREENWOOD, MS

- ★★★★ **Hancock Regional Hospital**
GREENFIELD, IN

- ★★★★ **Harris Health System**
HOUSTON, TX

- ★★★★ **Hartford Hospital**
HARTFORD, CT

- ★★★★ **Henrico Doctors' Hospital**
RICHMOND, VA

- ★★★★ **Henry Ford Allegiance Health**
JACKSON, MI

- ★★★★ **Henry Ford Hospital**
DETROIT, MI

- ★★★★ **Huntington Memorial Hospital**
PASADENA, CA

- ★★★★ **Indiana University Health Medical Center**
INDIANAPOLIS, IN

- ★★★★ **Inova Fairfax Hospital**
FALLS CHURCH, VA

- ★★★★ **Johns Hopkins Bayview Medical Center**
BALTIMORE, MD

- ★★★★ **Kaiser Permanente Antioch Medical Center**
ANTIOCH, CA

- ★★★★ **Kaiser Permanente Baldwin Park Medical Center**
BALDWIN PARK, CA

- ★★★★ **Kaiser Permanente Moreno Valley Medical Center**
MORENO VALLEY, CA

RIBBONS HOSPITAL

- ★★★★ **Kaiser Permanente Panorama City Medical Center**
PANORAMA CITY, CA

- ★★★★ **Kaiser Permanente Redwood City Medical Center**
REDWOOD CITY, CA

- ★★★★ **Kaiser Permanente Roseville Medical Center**
ROSEVILLE, CA

- ★★★★ **Kaiser Permanente Vacaville Medical Center**
VACAVILLE, CA

- ★★★★ **Kaiser Permanente Vallejo Medical Center**
VALLEJO, CA

- ★★★★ **Kaiser Permanente Walnut Creek Medical Center**
WALNUT CREEK, CA

- ★★★★ **Kaweah Delta Medical Center**
VISALIA, CA

- ★★★★ **Kettering Health Main Campus**
KETTERING, OH

- ★★★★ **Olive View-UCLA Medical Center**
SYLMAR, CA

- ★★★★ **Lakeside Women's Hospital A Member of the INTEGRIS Health Network**
OKLAHOMA CITY, OK

- ★★★★ **Lakewood Ranch Medical Center**
BRADENTON, FL

- ★★★★ **Lehigh Valley Hospital - Cedar Crest**
ALLENTOWN, PA

RIBBONS HOSPITAL

- ★★★★ **Lenox Hill Hospital**
NEW YORK, NY

- ★★★★ **Longmont United Hospital**
LONGMONT, CO

- ★★★★ **Lowell General Hospital**
LOWELL, MA

- ★★★★ **Loyola University Medical Center**
MAYWOOD, IL

- ★★★★ **M Health Fairview Woodwinds Hospital**
WOODBURY, MN

- ★★★★ **Madera Community Hospital**
MADERA, CA

- ★★★★ **Main Line Hospital**
PAOLI, PA

- ★★★★ **Main Line Hospital - Bryn Mawr Campus**
BRYN MAWR, PA

- ★★★★ **Maple Grove Hospital**
MAPLE GROVE, MN

- ★★★★ **Mayo Clinic Health System - Albert Lea and Austin**
ALBERT LEA, MN

- ★★★★ **Mclaren Bay Region**
BAY CITY, MI

- ★★★★ **Mclaren Greater Lansing**
LANSING, MI

- ★★★★ **Meadville Medical Center**
MEADVILLE, PA

- ★★★★ **Medical City Arlington**
ARLINGTON, TX

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RIBBONS HOSPITAL

- ★★★★ **Memorial Health Meadows Hospital**
VIDALIA, GA

- ★★★★ **Memorial Hermann - Memorial City Medical Center**
HOUSTON, TX

- ★★★★ **Memorial Hermann Greater Heights Hospital**
HOUSTON, TX

- ★★★★ **Memorial Hermann - Texas Medical Center**
HOUSTON, TX

- ★★★★ **MemorialCare Saddleback Medical Center**
LAGUNA HILLS, CA

- ★★★★ **Mercy Hospital Ada**
ADA, OK

- ★★★★ **Mercy Hospital Springfield**
SPRINGFIELD, MO

- ★★★★ **Mercy Hospital St. Louis**
SAINT LOUIS, MO

- ★★★★ **Mercy Regional Medical Center, Durango**
DURANGO, CO

- ★★★★ **Methodist Hospital**
OMAHA, NE

- ★★★★ **Methodist Olive Branch Hospital**
OLIVE BRANCH, MS

- ★★★★ **Metrohealth System**
CLEVELAND, OH

- ★★★★ **Miami Valley Hospital**
DAYTON, OH

- ★★★★ **Mid Coast Hospital**
BRUNSWICK, ME

- ★★★★ **Mission Hospital McDowell**
MARION, NC

- ★★★★ **Mount Sinai Medical Center**
MIAMI BEACH, FL

- ★★★★ **Multicare Covington Medical Center**
COVINGTON, WA

- ★★★★ **Multicare Good Samaritan Hospital**
PUYALLUP, WA

- ★★★★ **Nash General Hospital**
ROCKY MOUNT, NC

RIBBONS HOSPITAL

- ★★★★ **New Hanover Regional Medical Center**
WILMINGTON, NC

- ★★★★ **Newton Medical Center**
NEWTON, NJ

- ★★★★ **Newton-Wellesley Hospital**
NEWTON, MA

- ★★★★ **North Colorado Medical Center**
GREELEY, CO

- ★★★★ **North Kansas City Hospital**
NORTH KANSAS CITY, MO

- ★★★★ **Northside Hospital, Atlanta**
ATLANTA, GA

- ★★★★ **Northwest Health**
LA PORTE, IN

- ★★★★ **Northwestern Medicine - Delnor Hospital**
GENEVA, IL

- ★★★★ **Ocean Medical Center**
BRICK, NJ

- ★★★★ **Ochsner Medical Center**
NEW ORLEANS, LA

- ★★★★ **OhioHealth Grant Medical Center**
COLUMBUS, OH

- ★★★★ **Ohiohealth O'Bleness Hospital**
ATHENS, OH

- ★★★★ **Orlando Health Arnold Palmer Hospital for Children**
ORLANDO, FL

- ★★★★ **Palomar Medical Center Poway**
POWAY, CA

RIBBONS HOSPITAL

- ★★★★ **Park City Hospital**
PARK CITY, UT

- ★★★★ **Parkland Health & Hospital System**
DALLAS, TX

- ★★★★ **Peacehealth Southwest Medical Center**
VANCOUVER, WA

- ★★★★ **Penn Medicine Chester County Hospital**
WEST CHESTER, PA

- ★★★★ **Penn State Health - Milton S. Hershey Medical Center**
HERSHEY, PA

- ★★★★ **Petaluma Valley Hospital**
PETALUMA, CA

- ★★★★ **Piedmont Athens Regional Medical Center**
ATHENS, GA

- ★★★★ **PIH Health Hospital-Whittier**
WHITTIER, CA

- ★★★★ **Pomona Valley Hospital Medical Center**
POMONA, CA

- ★★★★ **Portsmouth Regional Hospital**
PORTSMOUTH, NH

- ★★★★ **ProMedica Toledo Hospital**
TOLEDO, OH

- ★★★★ **Providence Hood River Memorial Hospital**
HOOD RIVER, OR

- ★★★★ **Providence Medford Medical Center**
MEDFORD, OR

RIBBONS HOSPITAL

-  **Providence Regional Medical Center**
EVERETT, WA
-  **Queen's Medical Center**
HONOLULU, HI
-  **Renown Regional Medical Center**
RENO, NV
-  **Riverside Regional Medical Center**
NEWPORT NEWS, VA
-  **Robert Wood Johnson University Hospital**
NEW BRUNSWICK, NJ
-  **Saint Francis Hospital**
TULSA, OK
-  **Saint Joseph Regional Medical Center**
MISHAWAKA, IN
-  **Saint Luke's North Hospital**
KANSAS CITY, MO
-  **Scripps Memorial Hospital La Jolla**
LA JOLLA, CA
-  **Sentara Martha Jefferson Hospital**
CHARLOTTESVILLE, VA
-  **Sentara Leigh Hospital**
NORFOLK, VA
-  **Sentara Norfolk General Hospital**
NORFOLK, VA
-  **Seton Medical Center Harker Heights**
HARKER HEIGHTS, TX
-  **Silver Cross Hospital**
NEW LENOX, IL
-  **Sisters of Charity Hospital**
BUFFALO, NY
-  **Soin Medical Center - Kettering Health**
BEAVER CREEK, OH
-  **Southern Tennessee Regional Health System Lawrence**
LAWRENCEBURG, TN
-  **SSM Health St. Mary's Hospitals - St. Louis**
RICHMOND HEIGHTS, MO

RIBBONS HOSPITAL

-  **St. Elizabeth Hospital, Enumclaw**
ENUMCLAW, WA
-  **St. Francis Hospital**
FEDERAL WAY, WA
-  **St. Joseph's Hospital Health Center**
SYRACUSE, NY
-  **St. Luke's Hospital Bethlehem**
BETHLEHEM, PA
-  **St. Luke's Nampa Medical Center**
NAMPA, ID
-  **St Vincent Carmel Hospital Inc.**
CARMEL, IN
-  **St. Cloud Hospital**
SAINT CLOUD, MN
-  **St. Luke's Magic Valley Medical Center**
TWIN FALLS, ID
-  **St. Luke's Regional Medical Center**
BOISE, ID
-  **Stanford Health Care-ValleyCare**
PLEASANTON, CA
-  **Sterling Regional MedCenter**
STERLING, CO
-  **Strong Memorial Hospital - University of Rochester**
ROCHESTER, NY
-  **Summa Health System - Akron Campus**
AKRON, OH
-  **Tampa General Hospital**
TAMPA, FL
-  **Tanner Medical Center - Carrollton**
CARROLLTON, GA
-  **The Johns Hopkins Hospital**
BALTIMORE, MD
-  **The Moses H. Cone Memorial Hospital**
GREENSBORO, NC

RIBBONS HOSPITAL

-  **UConn John Dempsey Hospital**
FARMINGTON, CT
-  **UnityPoint Health - Meriter**
MADISON, WI
-  **University Medical Center of El Paso**
EL PASO, TX
-  **University of Maryland Medical Center**
BALTIMORE, MD
-  **University of Michigan Hospitals - Michigan Medicine**
ANN ARBOR, MI
-  **University of Utah Hospital**
SALT LAKE CITY, UT
-  **UT Southwestern Medical Center**
DALLAS, TX
-  **Vanderbilt University Medical Center**
NASHVILLE, TN
-  **Wake Forest Baptist Medical Center**
WINSTON-SALEM, NC
-  **Watertown Regional Medical Center**
WATERTOWN, WI
-  **West Suburban Medical Center**
OAK PARK, IL
-  **William W Backus Hospital**
NORWICH, CT
-  **Winchester Medical Center**
WINCHESTER, VA
-  **Wise Regional Health System**
DECATUR, TX
-  **Women & Infants Hospital of Rhode Island**
PROVIDENCE, RI
-  **York Hospital**
YORK, ME

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Cabanes Des Grands Lacs

FRANCHE-COMTÉ, FRANCE

The 23 fantastical lakeside glamping cabins custom-designed on the edge of a glassy lake take sustainability to heart. These “eco-domains” are built of larch and Douglas fir, lighted by solar panels and insulated with wool; bathrooms come with dry sawdust toilets. *(See #7 on following spread)*

Not Just Lip Service

“What you see is what you get with me,” says *Real Housewives*’ Lisa Rinna ▶ P.48



UNCHARTED

Sustainable Cabin Vacations

Everyone needs to get away from it all sometimes. But not everyone’s idea of the ideal vacation is the same. The selection of cabins featured here from the book *Cabin Tripping* (Artisan) all share a warm, wild spirit and a focus on sustainability, even if their decor styles, locales or the materials they are fashioned from differ wildly. From a yurt in Alaska to a woodland treehouse in England to glamping in Australia, each is available to rent for that perfect getaway. —JJ EGGERS

TOP RIGHT: COURTESY OF RINNA BEAUTY

Culture



2

Orca Island Cabins SEWARD, ALASKA

Yurts are already eco-friendly—they are easy to dismantle and require almost no land development to install—but the seven glamping yurts at this private island eco-resort in Resurrection Bay ramp up the sustainability factor with solar power and composting toilets.



1

Phoenix House PAHOA, BIG ISLAND, HAWAII

Perched on an ebony lava flat, this two-story off-the-grid home combines solar-powered electricity, a rainwater catchment system, recycled materials and biomimicry into a comfy modern beach house surrounded by what appear to be ocean waves but is in fact, gleaming hardened lava.



03

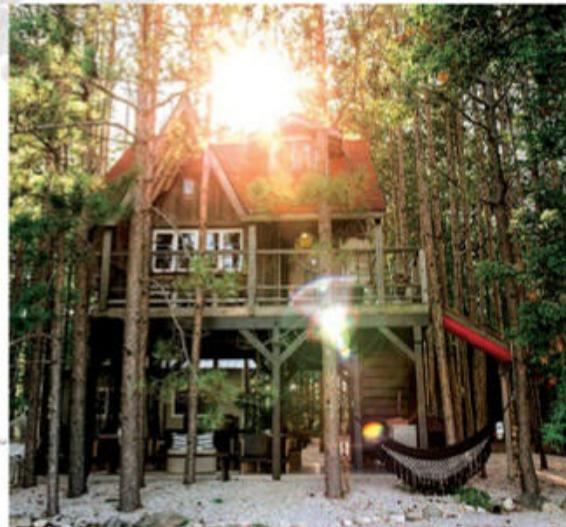
Zion Eco-Cabin HURRICANE, UTAH

Inside this mini A-frame facing the southern flank of the Canaan Mountain Wilderness and its rainbow-hued bluffs and mesas is a compact solar-powered studio space with a hinged glass wall that pops up, flip-phone-style to open the space.

04

Knowlton and Co. Treehouse DURHAM, CANADA

Only six trees were trimmed while building this fort, and the reclaimed materials used to build it include walls and floors salvaged from an old barn and windows (one stained glass) rescued from a church set to be demolished. The once-rough interior has been transformed into a homey, ultrastylish (tree)house in the forest wilds of Ontario.



6

7

07

Cabanes Des Grands Lacs FRANCHE-COMTÉ, FRANCE

(See previous spread)

05

EcoCamp Patagonia TORRES DEL PAINE NATIONAL PARK, CHILE

The multihued layers of rock at the Torres del Paine National Park in Patagonia are your backyard at this camp where hydro and solar power provide 95 percent of the energy. Guests partake of locally sourced foods (and wines) in large community domes, warmed by woodstoves and pelt-strewn chairs.

5





06: COURTESY NAOMI HOUSE/FARAWAY TREEHOUSE AND CANOPY & STARS; 08: JANIK ALHEIT; 09: COURTESY OUR JUNGLE HOUSE; 10: CUMA CEVIK; 11: MONIQUE EASTON

▲
06

Faraway Treehouse CUMBRIA, ENGLAND

Comfort and low-impact living are a given here; a sense of whimsy, even better. The Faraway Treehouse feels as if it's been cobbled together by fairies. It marries rustic touches with the occasional pop of baroque, like a filigreed chandelier, dining chairs with ornately carved backs and a little woodstove painted robin's-egg blue.



8

▲
08

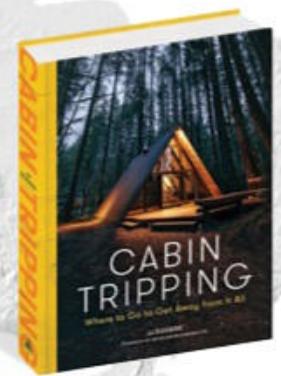
Platbos Forest Cabins GANSBAAI, SOUTH AFRICA

Between the mountains and the sea on South Africa's Western Cape is the densely woven Platbos Forest. Home to a biodiverse array of flora and fauna as well as a handful of off-the-grid cabins, the two-person Bush Buck Suite is a standout. Built around a 500-year-old white stinkwood tree, it has one long open side exposed to the forest, and solar lanterns and candles provide a honeyed glow.

09

Our Jungle House SURAT THANI, THAILAND

This eco-resort pioneer has welcomed guests to its 25 acres of private rain forest for over 30 years. The 21 rustic hardwood cabins gaze out over river streams and limestone cliffs bearded in green foliage, and no two are alike. Swim in sparkling river water, sip sunset cocktails on the rooftop bar and fall asleep to a choir of rain forest chatter.



From *Cabin Tripping* by JJ Eggers (Artisan Books). Copyright © 2021.



▼

9

10 Hideout Bali SELAT, BALI, INDONESIA

An ultraromantic retreat that will leave even the most seasoned traveler breathless, this seductive eco-retreat takes you off-the-grid and straight into reverie. Perched high in the misty mountains of the Gunung Agung volcano, its five honeycomb huts are crafted entirely of bamboo, with no doors or air-conditioning, just the cool kiss of mountain air.

10

▼



11

▲
11

Eastern Thredbo Cedar Cabin NEW SOUTH WALES, AUSTRALIA

With unobstructed views of both mountain and ski lift, this minimalistic cedar cabin with spare modern design is glamping at its most comfortable and energy efficient. Natural and organic materials are used throughout, and it even has a piping-hot Japanese-inspired glazed onsen for steamy soaking.





PARTING SHOT

Lisa Rinna

IF THERE'S ONE PERSON WHO HAS CHANGED THE LANDSCAPE OF MODERN reality TV, it's Lisa Rinna. Do a GIF search for any myriad of reactions and you'll find Rinna from Bravo's *Real Housewives of Beverly Hills*. Part of the reason for this is how honest she is on the show. "No one's more hated than someone who's honest. The truth is a tough pill for people to take. What you see is what you get with me." And part of what you get is a multi-hyphenated resume beyond just reality TV star: actress, businesswoman and now, makeup maven with Rinna Beauty. "Life is short and you don't have to just do one thing." Known for her lips, Rinna says she is "100 percent involved; nothing is created without me," and that part of the goal of the beauty line is to get people to think about their lips differently. "How can we treat your lips like we do our skin?" With everything she does, it's fair to assume Rinna isn't going to slow down. "I really figured out that it was time to start saying yes to the universe. And I haven't stopped since I was 40. It seems to have worked."

You've become such a memorable *Housewife*, did you have reservations before joining the franchise?

I did. I am smart enough to know that as I aged, in this business, as an actor, as a female, you don't get to work for very long. I remember thinking when I turned 40, I better diversify.

You're known for being very open with your opinions, political and otherwise. Do you ever worry about it impacting your businesses?

It does affect my business. But here's the thing, I have to be my authentic self. Of course, I want my business to do well, but I'm not going to sacrifice who I am in order to do that.

Because of your reputation from *RHOBH*, it can feel like we know you. Do fans ever cross the line?

You really only get to see me being my authentic self in situations where bombs are thrown at me. I just don't think that in my real life, I am put in those kinds of situations. The show does show you a side of me that isn't really the side of me that everybody lives with on a daily basis.

What can we look forward to from the new season of *Real Housewives*?

I think it's one of the best seasons ever. My mom's passing, Dorit's home invasion and Erika and what she's going through...there's just so many real issues that we're dealing with. And then what goes off of that, it's beyond. —H. Alan Scott



“Life is short and you don't have to just do one thing.”

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