



Chronology for Covid PCR Assay and Sequencing v. 4.9.6

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[LINK TO THE CURRENT VERSION OF THIS CHRONOLOGY](#)

"To have a disease without its symptoms is to be immune."
— Marshall McLuhan, 1964

*"I am a piece of this world, to whom goes with the creatures of the living and the dying;
longevity, I care not for its magnitude, but for the direction of its lost purpose"*
— Joel Calvin Simmons

This document is a work in progress. It updates frequently; the version number is at the top right. The Version 4 series initiated in April 2022 includes the "gain of function" research angle and the connection between the National Institutes of Health, EcoHealth Alliance and the Wuhan Institute of Virology. It also goes out to the end of 2020; for events 2021 forward, check the archive at [Covid19 News](#). We are still working out consistency of the typing style from the many source documents we are quoting. If you have submissions of documented dates of events, please send them to us at efc@planetwaves.net. Please [donate to the continued development](#) of the chronology. Thank you.

Here are all the other timelines we know about:

[Defense Department Covid Timeline](#) | [New York Times Testing Timeline](#) | [Censorship Timeline](#) | [CNN Timeline](#) | [Think Global Health Timeline](#) | [New York Times Overall Timeline](#) | [Wikipedia Covid Timeline](#) | [Victims of Communism Covid Timeline](#) | [Washington Post Lab Release Timeline](#) | [Epoch Times Covid Timeline](#) | [Just Security Covid Timeline](#) | [Axios Covid Timeline](#) | [Devex Covid Timeline](#) | [New York Post Case Timeline](#) | [CNN Trump Timeline](#) | [NPR Trump Timeline](#) | [RTE Timeline](#) | [Covid Horoscope](#) | [AJMC Timeline of 2020 Events](#) | [Mei He Brief Case Timeline](#) | [Chronology of Starlink Launches](#) | [AJMC Timeline of 2021 Vaccine Events](#) | [AJMC 2021 Vax Events Part 2](#) | [Narrative-style Chronology about Sequencing Process in China](#) | [Guide to Covid Class Action Lawsuits](#) | ["Independent Panel" Chronology and Glossary](#) | [Open VAERS](#) (reporting of CDC vaccine injury data)

Looking Back: The Purpose of this Document

Dear Friend and Reader:

A chronology tells you what happened when. It provides a retrospective view — something that every facet of the "covid crisis" is calling for. "Covid" was delivered to us in overwhelming kaleidoscopic fashion, and most people lost all track of time and events in the early months. Throughout this time, my colleagues and I were keeping careful track of developments day by day and sometimes hour by hour, seeking reliable sources and mapping out the many sides of the many issues involved.

The primary purpose of this document is to track the development of the claimed molecular test for SARS-CoV-2, called the polymerase chain reaction (PCR). That was my original journalistic assignment at the commencement of the crisis.

The PCR assay relates back to everything we have witnessed: every claim by any public official, all statistics, diagnosis, mitigation measures, the need for a vaccine, and others — including the existence of a pandemic and a disease. As a result, this document has become a general chronology, though the spine running through it is the PCR test, its validity, the genetic sequences used, and all resulting public policy.

The purpose of a chronology is to provide *context within the passage of time*. When you see what order things happened in, it's easier to get a sense of cause and effect; and of claims made and the results that ensued. We have all but lost this sense of the meaning of time in the everything-all-at-once digital age.

When Chiron Return and Planet Waves commenced [Covid19 News](#), a daily virus-related news weblog, on March 3, 2020, I recognized that we would be missing all that happened before that time. I initiated a project to track the issue back to the beginning, which I assumed would be some time in December 2019 — about three months ahead of our commencement date.

However, not only did those turn out to be incredibly eventful months, the claimed pandemic turns out to have more than a decade of direct and indirect prehistory.

Along the reporting trail, I encountered journalists and historians who were more familiar with the history of HIV and AIDS than I was, many of whom have taken the lead on "covid." Contact with them opened up issues that date back to the 1980s — particularly involving Dr. Anthony Fauci and the misuse of the polymerase chain reaction (PCR) assay as a diagnostic tool, and the disproven claim that it measures "viral load." While HIV and AIDS are out of the scope of this particular chronology, we are deeply immersed in the history of these issues, and have taken the history of the PCR back to its invention in the pages that follow.

The current version of this chronology goes through approximately December 31, 2020. However, the day-by-day realtime chronicling of events begins in March 2020 and is available as [Covid19 News](#). Publication continues to the present day. We are in the process

of distilling news events and building out the chronology into 2021, though my primary focus will remain on 2020, until a number of other angles are covered to my satisfaction.

As we get into 2021, two main things are happening: one is that developments shift to vaccine mandates, resistance to those mandates, [vaccine injury](#) and various shades of "the narrative is falling apart."

A separate chronology of gain of function (GOF) research, or the claimed enhancement of viruses by the federal government and its contractors, is contained in the first, shorter section. This earlier section includes important points of prehistory, which will continue to collect there. Then we move onto a general chronology relating to the PCR and specific "pandemic"-related matters beginning in January 2019.

One editorial note: in my comments, the word "covid" is usually placed in quotations because its meaning is unclear. It is a byword, used and defined many ways, with its meaning evolving — usually pertaining to "whatever one was sick from or died with starting some time in November 2019." It has no distinct or remarkable symptomology or etiology (disease progression).

It may be "diagnosed" with or without a diagnostic test or symptoms. The quotations are a reminder of this fact. One branch of research we are pursuing are the constantly shifting diagnostic points for "covid," though some of this is included in the crucial late March entries to this work. Please study those carefully.

Additional months into 2021 will be coming later in the spring. Please check Chiron Return for the latest updates to this document, particularly if you are using it for research. There are significant upgrades which contain corrections, and many enhancements.

If you have dates, documents or topics you think belong in this chronology, please contact the editors at editors@planetwaves.net with a clear subject header.

I am particularly interested in events pertaining to the social history of "covid," and of resistance movements that have emerged during the crisis.

Faithfully,



— **Eric F. Coppolino**, Supervising Editor, May 6, 2022

Note on Sources: The authors and researchers have relied upon primary sources whenever possible. These include official government documents and official statistics, interviews, scientific papers, medical journals, medical industry publications, original corporate documents, original research and observations of events, and direct accounts or statements by public officials preserved in video. Where we are relying on secondary sources (newspaper and magazine articles, website articles, news reports, etc.), we have done our best (when necessary) to cross-verify or check against primary sources. If any reader has better sourcing, sees an issue with a source or factual reference, or has an event or topic that we have missed, please contact us at efc@planetwaves.net. — efc

Early RT-PCR History and Gain of Function (GOF) Research Sequence of Events & Other Pre-History, 2007-2020

Editor's Note — *The issue of laboratory safety is a genuine concern where pathogens are handled by scientists and technicians. While we have seen no actual evidence whatsoever of a lab release of "SARS-CoV-2," we are including a chronology of documented events surrounding gain-of-function research, because this angle has been worked into the narrative and is also historically significant.*

This line of investigation reveals a wide diversity of connections between the United States and China regarding viruses, as do other issues. Gain of function means germ warfare, whether waging it or curing it if it happens. The U.S. government asserts that it is merely assisting people by mitigating the effects of manmade or juiced-up pathogens, which is a humorous claim. What they are implying is that there is a bioweapon arms race in progress.

Inclusion of gain of function events is not intended as an endorsement of the lab release theory. Any virus released from a lab, whether by accident or intent, would be subject to the same proofs of existence and causality as any other virus that was created or that emerged any other way. — efc

August 24, 2007 — [Outbreaks of Respiratory Illness Mistakenly Attributed to Pertussis -- New Hampshire, Massachusetts, and Tennessee, 2004-2006](#) is published by *Morbidity and Mortality Weekly Report* (MMWR), an official publication of the United States Centers for Disease Control and Prevention (CDC).

The report covers false pertussis epidemics crated by the use of the PCR assay.

These events occurred in 2004 and 2006, at which time the public health establishment was on notice that the PCR is an unreliable and potentially catastrophic diagnostic tool. It is also significant that all modern virology is conducted with the use of the PCR, as there is no other way to "see" or seemingly identify viral proteins. Bustin covered the issue in his seminal 2017 work, [Talking the talk, but not walking the walk: RT-q-PCR as a paradigm for the lack of reproducibility in molecular research.](#)

The quotation below is from the [Editorial Note connected to the Aug. 27, 2007 MMWR report](#), which demonstrates that long before covid, the issues of false positives and entirely false pandemics created by the were well known to the public health and virology establishments. The CDC calls for use of complex diagnostic methods rather than relying upon the PCR entirely, as happened (and continues) during "covid." In the CDC's own words:

Presumed false-positive PCR test results in persons with nonspecific clinical features, such as rhinorrhea, sneezing, and sore throat, have raised

concerns regarding the widespread application of PCR in an outbreak setting (6). No standardized PCR protocols for pertussis testing exist; approximately 100 different assays that use the IS481 target sequence have been documented (7). Laboratories vary in DNA purification techniques, primers and probes used in testing, and quality assurance procedures (1,4).

Although these assays might undergo analytic sensitivity testing for technical performance standards (e.g., detection limits and reproducibility), a limited number of laboratories have established the accuracy of their PCR test (1). In addition, as illustrated in the Massachusetts outbreak, interpretation of PCR results can vary among laboratories.

Use of standardized rapid and reliable laboratory tests to improve the specificity of the CSTE case definition is a public health priority. CDC, the Food and Drug Administration, and state and local public health partners have implemented a clinical validation study to evaluate several PCR and serologic assays. The results from that study should provide the basis for future validated laboratory assays to diagnose and manage pertussis cases and outbreaks.

The outbreaks described in this report illustrate the limitations of relying solely on PCR assays to confirm pertussis. PCR is an important tool for diagnosing individual cases of pertussis in persons for whom a high index of suspicion exists and for whom timely treatment and PEP are essential. However, the positive predictive value can be lower if PCR is used as a screening tool without culture confirmation during a suspected pertussis outbreak (3).

Overreliance on the results of PCR assays can lead to implementation of unnecessary and resource-intensive control measures (e.g., case identification, antimicrobial treatment, furlough of ill persons, and administration of PEP) (8). In outbreak settings, positive PCR results should be interpreted in conjunction with epidemiologic investigation, evaluation of clinical symptoms, and confirmation by culture.

This was covered earlier in 2007 in a *New York Times* article called [Faith in Quick Test Leads to Pandemic that Wasn't](#). NYT coverage precedes that of MMWR. The author, Gina Kolata, writes in her Jan. 22, 2007 article:

There are no national data on pseudo-epidemics caused by an overreliance on such molecular tests, said Dr. Trish M. Perl, an epidemiologist at Johns Hopkins and past president of the Society of Health Care Epidemiologists of America. But, she said, pseudo-epidemics happen all the time. The Dartmouth case may have been one the largest, but it was by no means an exception, she said.

And:

"You're in a little bit of no man's land," with the new molecular tests, said Dr. Mark Perkins, an infectious disease specialist and chief scientific officer at the Foundation for Innovative New Diagnostics, a nonprofit foundation supported by the Bill and Melinda Gates Foundation. "All bets are off on exact performance."

Of course, that leads to the question of why rely on them at all. "At face value, obviously they shouldn't be doing it," Dr. Perl said. But, she said, often when answers are needed and an organism like the pertussis bacterium is finicky and hard to grow in a laboratory, "you don't have great options."

October 1, 2008 — Anthony Fauci writes in *The Journal of Infectious Diseases* that it was [not really the "flu virus"](#) that killed people during the 1918-1919 "Spanish Flu" incident. It was bacterial pneumonia, allegedly combined with a virus.

"The postmortem samples we examined from people who died of influenza during 1918–1919 uniformly exhibited severe changes indicative of bacterial pneumonia," Fauci and his coauthors wrote.

He said the same thing was true in later seeming viral outbreaks. "Less substantial data from the subsequent 1957 [Asian Flu] and 1968 [Hong Kong Flu] pandemics are consistent with these findings. If severe pandemic influenza is largely a problem of viral-bacterial copathogenesis, pandemic planning needs to go beyond addressing the viral cause alone." [Emphasis added.]

The inherently challenges the theory that "influenza" and in particular, death by influenza, has a viral cause, that it can be prevented by virus-based vaccines, and that gain-of-function virus enhancement is possible.

So too does the discovery in 1919 by Milton J. Rosenau, MD, then the leading public health doctor in the United States, that the "Spanish Flu," said to be caused by the allegedly highly virulent H1N1 strain, was not transmissible from person to person. This was demonstrated in multiple experiments; not one case of disease could be conveyed. See: *Journal of the American Medical Association*, [Vol. 73, No. 5, Aug. 2, 1919](#).

In his closing to that article, Dr. Roseneau wrote, "We entered the [Spanish Flu] outbreak with a notion that we knew the cause of the disease, and were quite sure we knew how it was transmitted from person to person. Perhaps, if we have learned anything, it is that we are not quite sure what we know about the disease."

October 2008 — Federal spending data shows that an organization called EcoHealth Alliance has a long and profitable relationship with the Pentagon, [receiving \\$41.91 million in awards since fiscal year 2008](#). That's more than three times the next-largest amount awarded to it by any other agency over the same period (\$13.17 million from the Department of Health and Human Services).

Of the \$41.91 million, \$37.61 million was awarded to EcoHealth Alliance by the Defense Threat Reduction Agency (DTRA), which describes its mission as "to protect the United States and its allies by enabling the DoD and international partners to detect, deter, and defeat WMD and threat networks."

February 26, 2009 — [The MIQE guidelines: minimum information for publication of quantitative real-time PCR experiments](#), by Stephen A Bustin, Vladimir Benes, Jeremy A Garson. Cite ref. 2009 Apr;55(4):611-22. doi:

10.1373/clinchem.2008.112797. Epub 2009 Feb 26. Bustin writes in his paper calling for consistency of testing methods using the RT-qPCR:

Currently, a lack of consensus exists on how best to perform and interpret quantitative real-time PCR (qPCR) experiments. The problem is exacerbated by a lack of sufficient experimental detail in many publications, which impedes a reader's ability to evaluate critically the quality of the results presented or to repeat the experiments...Following these guidelines will encourage better experimental practice, allowing more reliable and unequivocal interpretation of qPCR results.

December 20, 2011 — Anthony Fauci in a [Washington Post op-ed](#), cosigned by Francis Collins, director of the NIH, and the virologist Gary Nabel, argued the benefits of “engineered viruses” made it a “risk worth taking.” [[The Nation](#)]

December 23, 2011 — The Department of Health and Human Services (HHS), following advice from the independent National Science Advisory Board for Biosecurity (NSABB), recommended that the journals *Science* and *Nature* withhold key details of two studies in which mutant H5N1 flu strains gained the ability to spread between ferrets by the airborne route. HHS promised to work on a mechanism for providing the full details to scientists who need them. [[CIDRAP News](#)]

One of the studies was done by a team led by Dr. Ron Fouchier of Erasmus University in the Netherlands and was submitted to *Science*. The other, led by Dr. Yoshihiro Kawaoka of the University of Wisconsin and the University of Tokyo, was submitted to *Nature*. [See this reference](#).

June 21, 2012 — [[CIDRAP News](#)] A study showing that it takes as few as five mutations to turn the H5N1 avian influenza virus into an airborne spreader in mammals—and that launched a historic debate on scientific accountability and transparency—was released today in *Science*, spilling the full experimental details that many experts had sought to suppress out of concern that publishing them could lead to the unleashing of a dangerous virus.

May 2, 2013 — A group led by [Hualan Chen](#), director of [China's National Avian Influenza Reference Laboratory](#), published several experiments they had conducted at the [BSL3+](#) laboratory of the [Harbin Veterinary Research Institute](#), investigating what would happen if a 2009 H1N1 circulating in humans infected the same cell as an avian influenza H5N1. [[wiki](#)] Y. Zhang used reverse genetics to make all possible reassortments between a virulent bird flu H5N1 with genes from a human pandemic H1N1. Virulence was tested in mice and transmissibility was tested between guinea pigs, which have both avian- and human-like airway influenza virus receptors. [[Science](#)]

October 16, 2014 — NIH issues [statement](#) on U.S. government funding pause on certain types of gain-of-function research. [[NIH](#)]

In 2014, several breaches of protocol at US government laboratories brought matters to a head. The news that dozens of workers at the Centers for Disease

Control and Prevention (CDC) might have been exposed to anthrax, that vials of smallpox virus had been left lying around in an NIH storeroom, and that the CDC had unwittingly sent out samples of ordinary influenza virus contaminated with H5N1, shook faith in the country's biosafety procedures. [\[Lancet\]](#)

Scientists working under a 2014 NIH grant to the EcoHealth Alliance to study bat coronaviruses combined the genetic material from a "parent" coronavirus known as WIV1 with other viruses. They twice submitted summaries of their work that showed that, when in the lungs of genetically engineered mice, three altered bat coronaviruses at times reproduced far more quickly than the original virus on which they were based.

The altered viruses were also somewhat more pathogenic, with one causing the mice to lose significant weight. The researchers reported, "These results demonstrate varying pathogenicity of SARS-CoV-2 with different spike proteins in humanized mice." [\[Intercept\]](#)

October 17, 2014 — Spurred by incidents at U.S. government laboratories that raised serious biosafety concerns, the United States government launched a one-year deliberative process to address the continuing controversy surrounding so-called gain-of-function (GOF) research on respiratory pathogens with pandemic potential. [\[NAP\]](#)

December 15-16, 2014 — National Academies of Sciences, Engineering, and Medicine hosts symposium on potential risks and benefits of gain-of-function research. [\[NAP\]](#)

March 10-11, 2016 — National Academies of Sciences, Engineering, and Medicine hosts 2nd symposium on gain-of-function research. This was the Academies' second meeting held at the request of the U.S. government to provide a mechanism to engage the life sciences community and the broader public and solicit feedback on optimal approaches to ensure effective federal oversight of GOF research as part of a broader U.S. government deliberative process. [\[NAP\]](#)

May 2016 — National Science Advisory Board for Biosecurity issues "Recommendations for the Evaluation and Oversight of Proposed Gain-of-Function Research." [\[NSABB\]](#)

February 23, 2017 — *Nature* reports that the Wuhan Institute of Virology is on the cusp of [being cleared as a BSL 4 laboratory](#), the only such facility in China.

December 19, 2017 — US National Institutes of Health (NIH) announced that they would resume funding gain-of-function experiments involving influenza, Middle East respiratory syndrome coronavirus, and severe acute respiratory syndrome coronavirus. A moratorium had been in place since October 2014. [\[Lancet\]](#) Because this involves research into infectious pathogens, it will fall under the National Institute for Allergies and Infectious Diseases (NIAID), headed by Anthony Fauci.

The funding pause was lifted in response to a release by the [Department of Health and Human Services Framework for Guiding Funding Decisions about Proposed](#)

[Research Involving Enhanced Potential Pandemic Pathogens \[NIH\]](#). [See funding guidelines here](#).

January 9, 2017 — U.S. Government issues Recommended Policy Guidance for Departmental Development of Review Mechanisms for Potential Pandemic Pathogen Care and Oversight. [\[PHE\]](#)

January 29, 2018 — During the last year of the Obama administration, Fauci announced "NIH Lifts Funding Pause on Gain-Of-Function Research" at a NIAID Advisory Council meeting. [\[The Nation\]](#)

February 2, 2018 — *The Lancet* says that the gain of function ban ends. [\[Lancet\]](#)

January 5, 2020 — [Earliest known tweet](#) suggesting China created the virus. @GarboHK [tweeted](#): "18 years ago, [#China](#) killed nearly 300 [#HongKongers](#) by unreporting [#SARS](#) cases, letting Chinese tourists travel around the world, to Asia specifically to spread the virus with bad intention. Today the evil regime strikes again with a new virus." [\[wapo\]](#) [\[gof\]](#)

February 19, 2020 — [A statement is published in Lancet](#) by a group of 27 scientists: "We stand together to strongly condemn conspiracy theories suggesting that covid-19 does not have a natural origin," the statement says. Scientists "overwhelmingly conclude that this coronavirus originated in wildlife." The statement was [drafted and organized](#) by Peter Daszak, president of EcoHealth Alliance, which funded research at WIV with U.S. government grants. (Three of the signers have [since said](#) a laboratory accident is plausible enough to merit consideration.) [\[wapo\]](#) [\[gof\]](#)

March 11, 2020 — Scientific American [publishes a profile](#) of virologist Shi Zhengli, who heads a group that studies bat coronaviruses at WIV. "I had never expected this kind of thing to happen in Wuhan, in central China," she said. If coronaviruses were the culprit, she remembers thinking, "Could they have come from our lab?" The article said that after the virus emerged, Shi frantically went through her own lab's records from the past few years to check for any mishandling of experimental materials, but she "breathed a sigh of relief when the results came back: none of the sequences matched those of the viruses her team had sampled from bat caves." She told the magazine: "That really took a load off my mind. I had not slept a wink for days." [\[wapo\]](#) [\[gof\]](#)

March 27, 2020 — A Defense Intelligence Agency assessment on the origin of the coronavirus is [updated](#) to include the possibility that the new coronavirus emerged "accidentally" due to "unsafe laboratory practices." [\[wapo\]](#) [\[gof\]](#)

April 17, 2020 — A reporter asked [then-President Donald Trump](#) about supposed U.S. intelligence reports that SARS-CoV-2 came from a lab in Wuhan, China, which she claimed received \$3.7 million from the U.S. National Institutes of Health (NIH). Note, the lab leak theory was circulating in the popular press as early as February 2020; I remember seeing it in *The Wall Street Journal* in February or early March

2020. WSJ has given the issue the most serious press coverage of any corporate media. [Here is a compilation.](#)

[Science Magazine](#) reported of the events of April 17, 2020: At least part of that grant had actually gone not to EcoHealth, but to China. In essence, EcoHealth was the go-between or conduit for moving money from the U.S. government to the Chinese government's now infamous BSL4 laboratory in China.

NIH had just renewed the award, which provided \$3.7 million over 5 years to find and study bat coronaviruses related to SARS-CoV, which allegedly causes severe acute respiratory syndrome (SARS). During the first 5 years of the grant, EcoHealth had sent roughly 16% of the funds to the Wuhan Institute of Virology (WIV). One week after the press conference, NIH followed Trump's orders and [canceled the grant](#).

The legitimate independent scholar who has given lab release of "SARS-CoV-2" the most serious attention is Dr. Peter Breggin, a renowned psychiatrist. [Here is an example of his writing](#) on the issue. He also publishes a massive [Coronavirus Resource Center](#). Breggin however is oblivious to the lack of evidence that any virus has been purified, isolated, sequences or subjected to Koch's Postulates or the Gold Standard, necessary for the validity of the PCR. The work of [Richard Ebright on lab safety](#) is worth investigating as well. [More about Ebright here](#).

April 19, 2020 — Michael Lauer, NIH deputy director for extramural (off-campus) research, writes to EcoHealth Alliance's vice president for research, Kevin Olival, admitting that money given to EcoHealth Alliance was passed onto to the Wuhan Institute of Virology (WIV). [[See full email thread here](#).] NIH is the organization where Anthony Fauci's department is located.

"EcoHealth Alliance, Inc. is the recipient, as grantee, of an NIH grant entitled "Understanding the Risk of Bat Coronavirus Emergence." It is our understanding that one of the sub-recipients on this grant is the Wuhan Institute of Virology ("WIV"). It is our understanding that Wuhan Institute of Virology studies the interaction between corona viruses and bats. The scientific community believes that the coronavirus causing COVID-19 jumped from bats to humans likely in Wuhan where the COVID-19 pandemic began."

April 24, 2020 — Under pressure from the White House, the National Institutes of Health [terminates](#) the grant to EcoHealth Alliance that funded study of bat coronaviruses at WIV. [[wapo](#)] [gof]

April 30, 2020 — In [a rare statement](#), the Office of the Director of National Intelligence says: "The Intelligence Community also concurs with the wide scientific consensus that the COVID-19 virus was not manmade or genetically modified....The IC will continue to rigorously examine emerging information and intelligence to determine whether the outbreak began through contact with infected animals or if it was the result of an accident at a laboratory in Wuhan." [[wapo](#)] [gof]

May 5, 2020 — Former *New York Times* science reporter Nicholas Wade, [writing in the Bulletin of the Atomic Scientists](#), reviews the evidence and makes a strong case for the lab-leak theory. He focuses in particular on the furin cleavage site, which increases viral infectivity for human cells. His analysis yields this quote from David Baltimore, a virologist and former president of the California Institute of Technology: “When I first saw the furin cleavage site in the viral sequence, with its arginine codons, I said to my wife it was the smoking gun for the origin of the virus. These features make a powerful challenge to the idea of a natural origin for SARS2.” [[wapo](#)] [[gof](#)]

November 17, 2020 — An [influential paper](#) written by Rossana Segreto and Yuri Deigin is published: “The genetic structure of SARS-CoV-2 does not rule out a laboratory origin.” The paper noted that “a natural host, either direct or intermediate, has not yet been identified.” It argues that certain features of the coronavirus “might be the result of lab manipulation techniques such as site-directed mutagenesis. The acquisition of both unique features by SARS-CoV-2 more or less simultaneously is less likely to be natural or caused only by cell/animal serial passage.” The paper concluded: “On the basis of our analysis, an artificial origin of SARS-CoV-2 is not a baseless conspiracy theory that is to be condemned,” referencing the Lancet statement in February. [[wapo](#)] [[gof](#)]

Events Pertaining to 'Covid' — January through November 2019

January 24, 2019 — Beginning of Operation Crimson Contagion, an influenza pandemic response drill that will run through August 2019. [From the final report](#), issued in October 2019 [note, this quotation cannot be block quoted as there is some magical code preventing such formatting]:

The Crimson Contagion 2019 Functional Exercise included robust participation from federal, state, local, territorial, and tribal communities, as well as from private sector partners including the White House National Security Council. Participation included federal departments and agencies, 12 states, 15 tribal nations and pueblos, 74 local health departments and coalition regions, 87 hospitals, and over 100 healthcare and public health private sector partners. At least one state from each of HHS' ten regions participated in the exercise, as illustrated in Figure 1.

The report, which is intended for distribution on a "need to know" basis only, also initiates the use of the words "social distancing" [emphasis added]:

The Pandemic Crisis Action Plan Version 2.0 (January 2018) states that the Office of Personnel Management will provide guidance to assist federal departments and agencies in identifying appropriate social distancing protective measures, including assignment to alternate facilities or telework locations; however, the plan does not specify how the Office of Personnel Management will work with HHS and other partners to develop this guidance.

The operation breaks the surface of the news for the first time on [March 19, 2020 in a New York Times article](#) that says:

The draft report, marked "not to be disclosed," laid out in stark detail repeated cases of "confusion" in the exercise. Federal agencies jockeyed over who was in charge. State officials and hospitals struggled to figure out what kind of equipment was stockpiled or available. Cities and states went their own ways on school closings.

May 3, 2019 — A bill called the [Vaccinate All Children Act of 2019](#) is introduced to the 116th Congress but dies in committee.

June 2019 — In its [Annual Economic Report](#), the Swiss-based Bank of International Settlements (BIS), said to be the 'Central Bank of all central banks', sets the international alarm bells ringing. The document highlights "overheating [...] in the leveraged loan market," where "credit standards have been deteriorating" and "collateralized loan obligations (CLOs) have surged – reminiscent of the steep rise in collateralized debt obligations [CDOs] that amplified the subprime crisis [in

2008].” Simply stated, the belly of the financial industry is once again full of junk. Entries below attributed to [[vighi](#)] track certain global and globalist economic movements between June and September 2019.

June 13, 2019 — Gov. Andrew Cuomo signs a law ending [religious exemption for vaccines](#) in New York State. NPR reports, "The Democratic-controlled Legislature approved the measure, which also eliminates other nonmedical exemptions for schoolchildren across the state."

"We are facing an unprecedented public health crisis," said Sen. Brad Hoylman, the legislation's sponsor. How exactly does he know this six months before it begins? "The atrocious peddlers of junk science and fraudulent medicine who we know as anti-vaxxers have spent years sowing unwarranted doubt and fear, but it is time for legislators to confront them head-on." What has this got to do with the religious exemption? In Columbia County, New York, parents organize in an effort to resist the removal of the religious exemption, which becomes an important foundation of the resistance once vaccine mandates start to take over.

August 7, 2019 — Kary Mullis, the 1993 Nobel Prize-winning inventor of the polymerase chain reaction (PCR) device, dies of cancer and cirrhosis. The immediate cause was pneumonia. He was born Dec. 28, 1944.

To our knowledge, gained from personal and not public sources, there are no mysterious circumstances surrounding his death. [See article](#). See [New York Times obituary](#). Rumors that he was murdered just ahead of "covid" persist.

In one renowned talk, Mullis said, "With the PCR if you can do it well, you can find almost anything in anybody. It starts making you believe in the sort of Buddhist notion that everything is contained in everything else, right? I mean because if you can amplify one single molecule up to something that you can really measure, which PCR can do, then there's just very few molecules that you don't have at least one single one of 'em in your body, so that can be thought of as a misuse of logistics to claim that it's meaningful."

In a book chapter, [Mullis describes his invention of the PCR](#) in the 1980s. The invention was the property of his employer, Cetus, who eventually sold the patents for the device to Hoffman-La Roche in 1991 for approximately \$300,000,000 — the highest sale for a patent at the time.

Mullis spent much of his later life challenging presumptions about the use of the PCR as a medical diagnostic tool, and also explaining that the HIV = AIDS theory has never been demonstrated through actual scientific research, and has many strikes against it. He pointed out many times that there is no paper to cite as a footnote if one says that HIV causes AIDS.

The PCR is best known to the public as the "viral load" test that could not determine infection much less measure virus or predict the onset of symptoms. See long version of [interview with Gary Null](#). Or see [short version](#). Mullis asserted many times that the PCR is not a diagnostic tool, it is a research tool. In other words, its use is for pure science, not to diagnose a case of disease or an infection.

While there are many reasons for this, the medical industry was on notice that when the device was used as a diagnostic tool for a disease, it could get 100% false positives. Among other times, this occurred in 2006, when the PCR created the illusion of an epidemic, and a massive crisis, at Dartmouth-Hitchcock Medical School in New Hampshire.

This incident was most notably documented in 2007 in *The New York Times*, in article called [Faith in Quick Test Leads to Epidemic that Wasn't](#). Planet Waves investigated the issues and [confirmed the reporting of the newspaper](#), with concurring facts from the [U.S. Centers for Disease Control and Prevention](#) and the medical school itself.

[**See original report** in [Morbidity and Mortality Weekly Report \(MMWR\)](#), a publication of the U.S. CDC]

We have not been able to ascertain which of the problems with the PCR led to 100% false positives in the Dartmouth-Hitchcock incident; there are many possibilities, including primer design, the cycle-threshold issue, bad assay design, the primer-dimer problem, or some other issue. Regardless, the warning was not followed when the PCR was put to use "diagnosing" infection with SARS-CoV-2, and the problems persisted.

In late August 2020, *The New York Times* reported that the covid assay — on which every diagnosis and the case count are based — [was getting 90% false positives](#). See April [entries re. Jon Rappoport](#) and [Celia Farber's coverage](#) of the PCR in spring 2020. Planet Waves is the first publication to connect the Dartmouth-Hitchcock incident to the PCR assay for "covid" in a July 22, 2020 article, [Sunshine is the Best Disinfectant: It's Time to Demand the Truth About Covid-19](#).

[To understand more about how the device is designed to work, please [see Four Steps of PCR](#), a concise explanation of the process. Includes video.]

August 9, 2019 — Bank of International Settlements (BIS) [issues a working paper](#) calling for "unconventional monetary policy measures" to "insulate the real economy from further deterioration in financial conditions." The paper indicates that, by offering "direct credit to the economy" during a crisis, central bank lending "can replace commercial banks in providing loans to firms." [[vighi](#)]

August 15, 2019 — BlackRock Inc., the world's most powerful investment fund (managing around \$7 trillion in stock and bond funds), issues a white paper titled [Dealing with the Next Downturn](#). Essentially, the paper instructs the U.S. Federal Reserve to inject liquidity directly into the financial system to prevent "a dramatic downturn." Again, the message is unequivocal: "An unprecedented response is needed when monetary policy is exhausted and fiscal policy alone is not enough. That response will likely involve 'going direct': "finding ways to get central bank money directly in the hands of public and private sector spenders" while avoiding "hyperinflation. Examples include the Weimar Republic in the 1920s as well as Argentina and Zimbabwe more recently." [[vighi](#)]

August 22-24, 2019 — G7 (Group of Seven industrialized nations) central bankers [meet in Jackson Hole, Wyoming](#), to discuss BlackRock's paper along with urgent measures to prevent the looming meltdown. In the prescient words of James Bullard, President of the St. Louis Federal Reserve: "We just have to stop thinking that next year things are going to be normal." [[vighi](#)]

September 12, 2019 — [Global Vaccination Summit](#) held in Brussels.

September 15-16 2019 — The economic downturn is officially inaugurated by a sudden fivefold spike in the repo rates (from 2% to 10.5%). 'Repo' is shorthand for 'repurchase agreement', a contract where investment funds lend money against collateral assets (normally Treasury securities). At the time of the exchange, financial operators (banks) undertake to buy back the assets at a higher price, typically overnight. In brief, repos are short-term collateralized loans. They are the main source of funding for traders in most markets, especially the derivatives galaxy. A lack of liquidity in the repo market can have a devastating domino effect on all major financial sectors. [[vighi](#)]

September 17, 2019 — The United States Federal Reserve activates the [emergency monetary program](#), pumping hundreds of billions of dollars per week into Wall Street, effectively executing BlackRock's "going direct" plan. (Unsurprisingly, in March 2020 the Fed will hire BlackRock to manage the bailout package in response to the 'COVID-19 crisis'). [[vighi](#)]

September 19, 2019 — Donald Trump signs [Executive Order 13887](#), establishing a **National Influenza Vaccine Task Force** whose aim is to develop a "5-year national plan to promote the use of more agile and scalable vaccine manufacturing technologies and to accelerate development of vaccines that protect against many or all influenza viruses."

This is to counteract "an influenza pandemic," which, "unlike seasonal influenza [...]
has the potential to spread rapidly around the globe, infect higher numbers of
people, and cause high rates of illness and death in populations that lack prior
immunity." As someone guessed, the pandemic was imminent, while in Europe too
preparations were underway. [[vighi](#)] [Please [see this video](#) from Sept. 20, 2019,
where someone in the public *predicts that a pandemic is imminent.*]

September 29, 2019 — Prof. Yu Chuanhua of Wuhan University told the *Health Times* that records he reviewed showed two cases in mid-November, and one suspected case on September 29, 2019. At about the same time as Chuanhua's interview, the Chinese CDC issued an order forbidding sharing of information about the COVID-19 epidemic without approval by CDC China. Shortly thereafter, Prof. Chuanhua re-contacted *Health Times* to say the November cases could not be confirmed. [[CSHL](#)]

October 18, 2019 — [Event 201](#) is staged in New York City. This is a "pandemic response exercise" — a kind of high-level moot dramatization played out by bankers, NGOs, the media, scholars, public officials, public and private sector biggies, the works. It is sponsored by the Johns Hopkins Health Security Center,

the World Economic Forum and the Gates Foundation — prime movers of subsequent "virus" scenario.

Participants enact a drill for the world's first ever global coronavirus pandemic (such was unprecedented at the time; there had never been a coronavirus pandemic before). The moot pandemic involves zoonotic transmission, which means from animal to human. It includes shutdowns of the internet to prevent the spread of disinformation, and news reports from a fictional network based on CNN cooked up for the game. Its three sponsors are among the top-tier leaders of the covid scenario as it played out just eleven weeks later. No part of the exercise involves taking care of sick people or providing information how to do so.

Here is how Event 201 describes itself: "The Johns Hopkins Center for Health Security in partnership with the World Economic Forum and the Bill and Melinda Gates Foundation hosted Event 201, a high-level pandemic exercise on October 18, 2019, in New York, NY. The exercise illustrated areas where public/private partnerships will be necessary during the response to a severe pandemic in order to diminish large-scale economic and societal consequences." [See this link as well.](#)

More details in the [March 29, 2020 edition of Covid19 News](#).

October 29, 2019 — Anthony Fauci admits on a C-Span panel that he wants to rebrand the flu to make it seem as dangerous as Cancer or AIDS — and make it seem deadlier and sexier. The panel, full of quotes like this one, is held at the Milken Institute. Listen to [Planet Waves FM coverage](#), or see the [original video on C-Span.org](#). Once the flu is scarier, the solution will be an mRNA "vaccine" to "prevent" it, which will achieve greater market saturation than the conventional flu shot.

Here is how the program is pitched by C-Span: [Link to Transcript](#)

"Health experts discussed the scientific and technological prospects of an effective universal influenza vaccine. Speakers included Dr. Anthony Fauci, director of the National Institute of Allergy and Infectious Diseases and Margaret Hamburg, former FDA commissioner. Panelists discussed the need for more funding for research, better collaboration between the private and government sectors, advances in technology in flu research and the goal of a universal flu vaccine."

November 2019 — Three researchers from China's Wuhan Institute of Virology became sick enough in November 2019 that they sought hospital care, according to a previously undisclosed U.S. intelligence report that adds weight to the origins of the covid-19 virus (i.e., the theory that it escaped from a lab. Please see Gain of Function materials above. [[wsj](#), reported in May 2020]

November 1, 2019 — China rolls out one of the world's largest 5G networks, in Wuhan, Hubai, China. [BBC reports](#), "It comes as Beijing and Washington have been embroiled in a power struggle over trade and technology. South Korea, the US and the UK have all rolled out their next generation 5G networks this year." Note this [article from November 2020](#) published on the NIH website about 5G-corona conspiracy theories. [This is from 2017](#). [*I have read that by November 2019, the*

5G system in Wuhan was powerful enough to allow operation of an autonomous city bus.] This [undated post](#) from the Chinese government confirms that Wuhan was planned as the first "demonstration" zone in Hubei Province. This [post from Oct. 31, 2019](#) contains additional confirmation that Wuhan was the location of the first major rollout planned for late 2019. [This post purports to document](#) the 5G-cornavirus connection. We will build out 5G under this entry until it's ready to be fanned out into its own chronology. [Here is a video on the topic](#).

[From the Nov. 1, 2019 BBC article:](#)

China and the US have been fighting for leadership in the technology sector in recent months, with Chinese tech giant Huawei at the center of their power struggle. Huawei has supplied the largest amount of network equipment for China's 5G rollout and has been in talks with various other countries to help with their 5G networks.

However, **the US has blacklisted the company**, arguing it poses a national security risk and has lobbied allies to shun Huawei from their 5G networks. Huawei denies this, and many in China see the US actions as part of its efforts to curb the rise of the world's second largest economy.

***Editor's Note:** Though there is astounding resistance to this idea, EMF (electromagnetic field radiation) is known to make people sick, particularly at times of shifts or upgrades in technology. Much of society is currently drenched in it, by way of cellular and microwave networks, satellites, Bluetooth devices, wireless routers, and by way of every electrical device in existence. The fact that the discussion of its effects is expressly forbidden, and deemed the product of insanity or stupidity before anyone has made their case, is an indication that it needs to happen. — efc*

November 13, 2019 — Impeachment hearings begin before the House Intelligence Committee. At this time and through January 2020, the impeachment is entirely dominating the news.

Events of December 2019

December 1, 2019 — Symptom onset date of first Chinese patient claimed to have suffered from covid-19, attributed to an allegedly zoonotic novel coronavirus. This claimed virus was said to have emerged in Wuhan, China.

None of the index patient's family members developed fever or any respiratory symptoms. No epidemiological link was found between first patient and later cases (of the family cluster). None of the family members had contacts with Wuhan markets or animals, no history of contact with animals, visits to markets including the Huanan seafood wholesale market in Wuhan, or eating game in restaurants. [crowe 16] The man had not been to the [Huanan Seafood Wholesale Market](#). His family was unaffected, and no epidemiological link was found between him and the other laboratory-confirmed cases as of January 2. [wiki] [lancet]. Bookmark all that! See Dec. 2.

On this day, China's new Vaccine Administration Law [goes into effect](#). The stated purpose of this law is to ban black market vaccines. It has the effect of up-ending the biologic industry in China. "The vaccine law introduces a mandatory liability insurance system to ensure victims are compensated more efficiently. Whereas compensation was previously paid to victims by the government, the new system will require vaccine producers and insurance companies to pay."

December 2, 2019 — [citizen.co.za] Chinese ambassador to South Africa, Chen Xiaodong, said, "The local government in China got the first covid report on December 2, 2019. They got test samples of the first covid patients on the 30th."

Editor's Note: On Dec. 2, there is said to be one person unremarkably sick in the hospital with then-unknown, unnamed "covid" — in all of China — a pandemic is not supposed to be a thought on anyone's mind at this time. He already has respiratory issues, so there's nothing at all special about him having such symptoms. Why are top government officials, or any government officials, concerned about this one patient on this date? — efc

December 2-3, 2019 — World Health Organization holds a [Global Vaccine Safety Summit](#) in Geneva. "At the Summit, WHO will present the Global Vaccine Safety Blueprint 2.0 strategy 2021-2030 to key stakeholders and collect their input for the final version, due for publication in the new year."

December 4, 2019 — Impeachment hearings (involving the Ukraine affair) for Pres. Trump begin before the House Judiciary Committee, chaired by U.S. Rep. Adam Schiff.

December 6, 2019 — [The Kissinger Center](#) convened a bilateral meeting from December 6 to December 7 of the America and the Future of World Order Project

(AFWO) Study Group and a delegation from the Chinese People's Institute of Foreign Affairs to discuss the American and Chinese views of world order. No reference to covid, virus or pandemic noted.

December 8, 2019 — [According to the NIH timeline](#), which provides only scant details of events in December, "The number of new patients voluntarily presenting themselves to hospital continued to increase [Bryner, 2020]. Hospitals report new one to five cases with similar symptoms on average each day." [What is remarkable about the symptoms? How many hospitals and where?] "However, this being a new virus, some sources quoted December 8 as the first day where the first patient in the city of Wuhan sought medical help for pneumonia-like symptoms." [How do they know it's a virus?] "At this time, the European Centre for Disease Prevention and Control (ECDC, 2020c) contended that many dimensions, which were known today, like the need for social distancing, human-to-human infections, lack of vaccine or cure, and many such issues, were unknown, and the precautionary measures taken then were routinely delivered."

"Also, during these early stages of the onset of the presumed virus, there was no clear evidence of how many people were affected. For this reason, information from Chinese authorities (Wuhan City Health Committee, 2020) and those of the WHO (WHO, 2020a) stated that December 8, 2019, marked the onset of the first 41 cases that were tested and which were later confirmed positive with COVID-19, then known as 2019-nCoV."

December 9, 2019 — [Crimson Contagion Functional Exercise After-Action Report](#) published by Department of Health and Human Services. This the report of a pandemic preparedness and response drill held earlier in 2019. The report is dated January 2020. The report states that it is being distributed on a "need to know" basis but is not classified. It is signed by Robert P. Kadlec, MD, assistant secretary for preparedness response.

December 10, 2019 — Symptoms of three more allegedly laboratory-confirmed cases began on this date. These patients are known because they became hospitalized and thus sampled. Two of these three had no direct exposure to the Hunan Seafood Wholesale Market, while the other did. [\[wiki\]](#) How there were "laboratory confirmed cases" on December 10 is unclear, and there are no notes on the lab or the assay used. They barely have index cases, all of which have unremarkable symptoms. [How is there a test for a novel virus just 10 days after the first patient is claimed to have been sick?](#)

December 11, 2019 — As of this day there are claimed to be a grand total of 44 known random people with "covid" in all of China, population 1.4 billion.

"Scientists at University College London's Genetics Institute claim to have found almost 200 recurrent genetic mutations of the "new coronavirus" — 2019-nCoV — which the UCL researchers said showed how it is adapting to its human hosts as it spreads. "Phylogenetic estimates support that the COVID-2 pandemic started sometime around Oct. 6, 2019 to Dec. 11, 2019, which corresponds to the time of the host jump into humans," the research team, co-led by Francois Balloux, wrote in a study published in *The Journal of Infection, Genetics and Evolution*." [\[wef\]](#).

By December 11 virologists are claiming to have 200 variants of a virus that has not been named and from which nobody is known to have died.

This is an entry from the Wikipedia chronology:

"In December, 2019, a series of pneumonia cases of unknown cause emerged in Wuhan, Hubei, China, with clinical presentations greatly resembling viral pneumonia.⁹ Deep sequencing analysis from lower respiratory tract samples indicated a novel coronavirus, which was named 2019 novel coronavirus (2019-nCoV)." Note, the footnoted reference ⁹ is a Jan. 12, 2020 update by WHO and is only available in the [Wayback Machine](#).

Note: "Deep sequencing analysis" is a process of theoretical, *in silico* (computer based) gene assembly using "genomic assembly tools," "genomic alignment," or metagenomics. These devices can create millions of potential sequences from one sample. Such programs are commercially available as Megahit, Trinity and Blast.

"Deep" sequencing turned out to be as few as 37 base pairs of genetic code, from a virus said to have 33,000 of them. Nowhere is proof offered that the original material is from a coronavirus, much less one that has been proven to be pathogenic.

The referenced scientific paper states, "Although our study does not fulfill Koch's postulates, our analyses provide evidence implicating 2019-nCoV in the Wuhan outbreak." They admit that they *have not identified 2019-nCoV as the cause of anything*. This is ultimately confirmed by how many people with no symptoms are said to be infected. Koch's postulates say among other things that your sick people need to be infected, and your healthy people uninfected. If most of your "infected" people are healthy, the pathogen has been misidentified. When someone says "Koch's postulates," think: Logic.

[See April 28, 2020 entry on public records requests about the existence of virus samples.]

December 12, 2019 — [The Wuhan Municipal Health Commission claims this date to be the earliest original onset date of the **59 patients** with unexplained viral pneumonia. The latest onset date claimed by the Commission was Dec. 29, 2019. \[bobby\] \[\\[nih timeline\\]\]\(#\) *How is it viral, and also unexplained?*](#)

The House Judiciary Committee on Dec. 12 spent more than 14 hours in a highly partisan and at times emotional debate deliberating over two articles of impeachment, accusing Trump of abusing the power of his office and with obstructing Congress. The following day, the panel approved each article on a party-line 23-17 vote, making Trump just the fourth president in American history to face impeachment by the House.

December 15, 2019 — In Wuhan, the **5th and 6th** "laboratory-confirmed cases" say they first felt symptoms on this date. Both patients had exposure to the Huanan Market. [wiki] What laboratory and what confirmation? [This contradicts reports that there were **59 patients** on Dec. 12, 2019.](#)

December 16, 2019 — The first documented COVID-19 hospital admissions worldwide were linked to this date in Wuhan. This was reported in February 2020. [wiki]. More than 700 historians sign a letter to the House of Representatives urging members to impeach Pres. Donald Trump as a "clear and present danger to the Constitution." [See news report](#). [See original letter](#).

December 18, 2020 — [First impeachment trial of Donald Trump begins](#). This all the United States and much of the world was focused on at the time, including the entire United States government: just as the "covid" crisis was taking hold. In other words, whether planned as a distraction or not, it surely served as one.

December 21, 2019 — Four lower respiratory tract samples, including bronchoalveolar-lavage fluid (BALF), were collected from patients with pneumonia of unknown cause who were identified in Wuhan and who had been present at the Huanan Seafood Market close to the time of their clinical presentation. [bobby]. Based on the evidence we have, these are potential sources for what became MN908947, the first theoretical, *in silico*, computer generated, mimicked clinical specimen of 2019-n-CoV. [See Little Dog statement](#). Little Dog refers to samples taken three days later. Patient outcomes unknown.

December 23, 2019 — [Joint Public Health Emergencies Incident drill at the port-cruise ship](#). [Chinese time-coordinates-event, screen shot, eric, prob ben or bobby]

December 24, 2019 — Chinese lab worker Little Dog (Winjor Little Mountain Dog) claims in his Jan. 29, 2020 [Medium article](#) that the first patient samples were taken on this day. Others claim it was Dec. 21. Yet how were there previously laboratory confirmed cases without samples being taken before 3rd week December 2019? Patient outcomes unknown. [[See English translation](#).]

December 26, 2019 — Sampling date for MN908947. This is a claimed partial sequencing of the N-gene of SARS-CoV-2 that becomes the reference for WHO and CDC assays. This was from a 41-year-old man at the Huanan Wet Market. No patient outcome reported. Joe Bell commented on Joseph Caspermeyer's article, and added a quote from the [article in bioRxiv](#), re. "[the mother of all SARS-CoV-2 genomes](#)." This article is the best overall coverage of the pedigree of early sequences or claimed genomes that are covered in this chronology. One source for this article is an [article in bioRxiv](#), a preprint server, published on Sep. 24, 2020. The sample does not produce a wild, live virion, but rather the claimed sequence is assembled using a gene reassembly computer program. Note, this article gives a diversity of dates in the "sequencing" as does the Little Dog article on [Medium](#).

"Different nucleotides are present at those sites in viruses assigned to lineage B (also referred to as lineage L), of which Wuhan-Hu-1 (GenBank accession no. MN908947) 68 sampled on 26 December 2019 is an early representative."

ALSO — [According to CDC timeline](#) sourced to WHO — Over 8,000 people worldwide allegedly became sick with SARS and more than 700 died during claimed 2003 outbreak. The sequence from the patient in Wuhan is said to be strikingly similar to the virus alleged to have caused SARS, and the lab goes on to inform the Wuhan Central Hospital doctors and the city's CDC. (*If it's strikingly similar, how is*

this a "novel virus"?) Note, our sources in biochemistry say that SARS-CoV was never isolated or purified; it too is an *in-silico* sequence created by Christian Drosten, author of the WHO test. [corman-drosten paper]

December 27, 2019 — Blood sample from a man in France tested PCR positive for COVID-19. This led doctors to postulate that the virus was circulating earlier in France. They did not consider the possibility that it was a false positive, especially because the man had not recently travelled, nor is known to have come in contact with someone from Wuhan which according to COVID-19 dogma, was the only location of the virus at that time. [crowe p. 42] *How did the virus get in the blood of a patient?*

December 29, 2019 — [According to the NIH timeline](#), as hospitals continued to receive more patients with unknown 'pneumonia-like symptoms', fear of the outbreak is already spreading, especially among the social media (WeChat) use within China, more so Wuhan (Secon, 2020). Li et al. (2020) explained that during the period beginning December 1, 2019, the recurrence of the words "SARS" and "shortness of breath" in the social media started to increase, and by December 29, it had peaked. Meanwhile, in the hospitals, doctors were observed to concede that there might be a new virus of unknown etymology in Wuhan, presenting symptoms of acute respiratory syndrome. The reporting is affirmed by availability of the first four cases officially confirmed."

NIH is saying there are just FOUR cases on this day. Continuing (emphasis added):

"The four cases were linked to the Huanan (Southern China) Seafood Wholesale Market, claimed to have been the source of the virus. [This is later disproven]. While only four cases had been identified by this date, Bryner (2020) reports that already, over 180 people in Wuhan had been infected, but since doctors had not earmarked them as suspected cases noting that there were no suspicion of this "unknown" disease. The 180 cases were only identified after doctors cross-verified records. The suspicion after reporting the four cases was that they were not suffering from SARS (severe acute respiratory syndrome), which was still in surveillance since it broke in 2003. With the possibility of an unknown outbreak, at this time, the concern was to establish the transmissibility, severity, and other issues that may be related to this new virus (Adhikari et al., 2020). [nih]

Monday, December 30, 2019 — Dr. Li Wenliang, ophthalmologist, age 34, [sends message to fellow medics](#). He says there are seven cases of SARS at Wuhan Central Hospital, all connected to the Huanan Seafood Wholesale Market [Wiki chronology]. Four days later, BBC reports Li was summoned to the Public Security Bureau where he was told to sign a letter. In the letter he was accused of "making false comments" that had "severely disturbed the social order." Dr. Wenliang becomes the public face of the pandemic in the U.S., and personal proof of its reality.

Tuesday, December 31, 2019 — WHO China national office was informed of 27 cases of pneumonia in Wuhan, Hubai [[STAT](#)] [CD, Ras]. **Only fifteen turn out to test positive for the sequence that becomes the "novel coronavirus."** Many details in [Avian Flu Diary [AVFLU](#)]. China says seven cases seriously ill. National Health Commission experts arrive in Wuhan [possibly Jan. 1]. According to Qu

Shiquian, a vendor at Huanan Market, Chinese authorities are said to disinfect the Huanan Market. Stallholders are told to wear masks [wiki]. We are now down to 27 cases.

"On 31 December 2019, WHO was informed of cases of #pneumonia of unknown cause in Wuhan City, #China. A total of 44 cases have been reported: 11 patients are severely ill, while the remaining 33 are in stable condition." [pw] Note, there are 233 "health centers" in Wuhan, presumably meaning hospitals. [[nature](#)]

We are now back up to 44 cases, which seems to be the officially agreed number of original index cases in 2019. However, 13 had no contact with the Huanan market [lancet], and a later report says that only 15 had tested positive for the alleged viral RNA using the PCR [rasnick].

Official notice quoted in Avian Flu Diary [[AVFLU](#)]. [Emphasis added]

Update / December 31, 2019, 2:45 PM

The Wuhan Municipal Health and Health Committee issued a notification on the pneumonia epidemic. The preliminary analysis of the cases was viral pneumonia. All cases have been isolated for treatment, no obvious human-to-human transmission has been found, and no medical staff infection has been found.

According to the "Beijing News" report, Wuhan Health and Health Commission has released news that 27 cases have been found, seven of which are in serious condition, and the remaining cases are stable and controllable. Two patients are expected to be discharged in the near future. The clinical manifestations of the cases were mainly fever, a few patients had difficulty breathing, and chest radiographs showed bilateral lung infiltrative lesions.

December 31, 2019 — Citizenlab writes that it [documented the beginning of the Chinese censorship campaign](#) this day. "On YY [a social media platform in China], we found that ensorship of COVID-19 content on the platform started on December 31, 2019 at the very start of the outbreak. On WeChat, we documented a broad scope of censored COVID-19 content ranging from criticism of the government to general health information." The link goes to their Chinese social media control chronology.

Editor's Note: *The claimed early cases in Wuhan are random, not social clusters, families, villages, people with actual documented contact, etc. Often where there is contact, there is no claimed spread. Yet the claim of community spread is taken seriously, and in part justified by the use of the Huanan market first as the point source and later as a claimed "super spreader" event. There is no other rationale for early community spread. At no time during the month of December or any time thereafter is there a record, in any country, of a toxicological team being dispatched to investigate sources of the presumed outbreak other than biological. We have not seen any reference to a tox team being sent to the Huanan market; only biological samples were taken, which all tested negative. Tox investigation is supposed to be standard procedure for an outbreak, as ruling out potential chemical causes is a necessary step in validating the presumption of a biological pathogen. — efc*

Events of January 2020

Wednesday, January 1, 2020 — [Per the NIH timeline](#), "Until this date, the number of those reported to have shown the signs of the disease in question still remains unknown, but consensus builds around the number of cases to be 41."

WHO requested information on the reported cluster of atypical pneumonia cases in Wuhan from the Chinese authorities. WHO activated its Incident Management Support Team (IMST), as part of its emergency response framework, which ensures coordination of activities and response across the three levels of WHO (Headquarters, Regional, Country) for public health emergencies [WHO]. *What is the criteria for activation of this team?* Chinese CDC reports that its Experts Team reached Wuhan to investigate "unusual phenomena" associated with a viral infection [CCDC].

Huanan wet market is closed by authorities in China for "cleaning" and "investigation." In May 2020, [George Gao](#), the director of the [Chinese Center for Disease Control and Prevention](#), said animal samples collected from the seafood market had tested negative for the virus, indicating that the market was the site of an early superspreading event, but it was not the site of the initial outbreak.

Thursday, January 2, 2020 — The WHO Representative in China wrote to the National Health Commission, offering WHO support and repeating the request for further information on the cluster of cases. WHO Informed Global Outbreak Alert and Response Network (GOARN) partners about the cluster of pneumonia cases in the People's Republic of China. GOARN partners include major public health agencies, laboratories, sister UN agencies, international organizations and NGOs [WHO].

According to a study [published in The Lancet](#), By Jan 2, 2020, **41** admitted hospital patients had been identified as having laboratory-confirmed 2019-nCoV infection. Most of the infected patients were men (30 [73%] of 41); less than half had underlying diseases (13 [32%]), including diabetes (eight [20%]), hypertension (six [15%]), and cardiovascular disease (six [15%]). Median age was 49·0 years (IQR 41·0–58·0). 27 (66%) of 41 patients had been exposed to Huanan seafood market. One family cluster was found. Common symptoms at onset of illness were fever (40 [98%] of 41 patients), cough (31 [76%]), and myalgia or fatigue (18 [44%]); less common symptoms were sputum production (11 [28%] of 39), headache (three [8%] of 38), hemoptysis (two [5%] of 39), and diarrhea (one [3%] of 38). [[nih, lancet](#)].

Note: Some of this is contradicted by Rasnick; there are many inconsistencies in the reports of exactly how many were sick, and when, though by this time the number is usually considered to be in about **40** individuals. **Rasnick says that a total of 15 of about 44 people said to be sick with the virus tested positive for the allegedly offending sequence.**

By Jan. 2, 2020, **41** admitted hospital patients had been identified as having laboratory-confirmed 2019-nCoV infection in Wuhan, China. [\[NCBI\]](#) Which lab, which assay, which hospitals?

Friday, January 3, 2020 — Chinese officials provided information to WHO on the cluster of cases of 'viral pneumonia of unknown cause' identified in Wuhan. Chinese CDC later claims that on this day, "The first full genome of 2019-nCoV was born." [\[ccdc\]](#)

Saturday, January 4, 2020 — Chinese CDC says that "the first 2019-nCoV specific RT-qPCR was developed." WHO [tweeted](#) that there was a cluster of pneumonia cases — with no deaths — in Wuhan, and that investigations to identify the cause were underway [WHO]. This is the "social media" post referenced by Drosten that got him going assembling an assay for a coronavirus that within days becomes the official WHO test. STATNews reports that on January 3, China increases case count to 44 and is tracking 121 contacts of them. STATNews reports that the infections "are linked to a large seafood market where it is believes some exotic animals are also sold for consumption." [\[STAT\]](#)

January 5, 2020 — GenBank submits [\[receives?\]](#) the origin of sequence what is claimed to be Human SARS Coronavirus-2 (covid-19), given the accession number **MN908947**. This is for review by Wu, et al. (I do not understand what the "origin" means, as there is no pedigree of this sample in the record. — *efc*) Note on April 15, 2022: In a [Scitechdaily](#) article published Nov. 7, 2020, Joe Bell quotes Joseph Caspermeyer on ["the mother of all SARS-CoV-2 genomes,"](#) saying the sample was taken Dec. 26, 2020. This comports with Little Dog, a Chinese laboratory worker whistleblower who posted to Medium saying that the first patient samples were taken two days earlier. The article gives a diversity of theories relating to early sequences, including sequence numbers.

This sequence, MN908947, is later cited in the [Corman-Drosten paper](#) in [Eurosurveillance](#) as the source of *in silico* (theoretical) primers for their PCR assay (sometimes called the German test, or Charité for the institution where the design was done; which are the same design as the WTO assay).

However, Corman in the C-D paper, says he has also used the sequence from the original SARS-CoV (from 2003) as the basis of his PCR primers (not a novel virus) and may be citing MN908947 to give the impression of a novel virus. China gives no information about the actual origins of this sequence: what patient, exactly what the symptoms were, or what the outcome was. [\[DailyMail\]](#)

And this identification number later appears in a CDC document explaining certain facts about its PCR design, [as the source of the primers for a "mimicked human specimen"](#) based on MN980947 with much other manipulation of the sequence. In

other words, what are called tests for SARS-CoV-2 are really using SARS-CoV (the original) and MN908947 as the sources of its RNA primers.

The former is now considered harmless and the latter cannot infect anyone as it is a manipulated computer sequence that does not exist in nature. The reason for using it is because nobody has an actual sample of SARS-CoV-2: no government that has been asked, using open records laws, can produce evidence of having such a sample. See the work of Christine Massey. Further, there is no purified isolate gathered from any patients, and no set of experiments conducted to determine that MN908947 is in fact the disease-causing agent to the exclusion of all else.

Editor's Note: The sequence MM908947 is central to the covid scenario. In essence it is "covid" though very little has been written about it. [I did find this article.](#)

ALSO — According to The Wuhan Municipal Health Commission— "As of 8:00 on this date, the city reported 59 patients with unexplained viral pneumonia diagnosed, including 7 severely ill patients, and the vital signs of the remaining patients were generally stable. [bobby] Nobody has died as of this date."

WHO published its first [Disease Outbreak News](#) on the alleged new virus, containing a risk assessment and advice, and reporting on what China had told the organization about the status of patients and the public health response on the cluster of pneumonia cases in Wuhan. [pw] They say on Twitter, "On 31 December 2019, WHO was informed of cases of #pneumonia of unknown cause in Wuhan City, #China. A total of 44 cases have been reported: 11 patients are severely ill, while the remaining 33 are in stable condition." Nobody has died as of this date.

ALSO — [Earliest known tweet](#) suggesting China created the virus. @GarboHK [tweeted](#): "18 years ago, [#China](#) killed nearly 300 [#HongKongers](#) by unreporting [#SARS](#) cases, letting Chinese tourists travel around the world, to Asia specifically to spread the virus with bad intention. Today the evil regime strikes again with a new virus." [[wapo](#)] [gof]

January 7, 2020 — Novel coronavirus termed "2019-n-CoV" was announced by China as the causative agent of the 44 cases of pneumonia **even though viral-specific nucleic acids were found on only 15 patients.** [rasnick]. China says that "corona-like virus particles was observed by electron microscopy." [ccdc]

[From the NIH timeline](#): "After rigorous probes, tests, analysis, and other medical practices, the Chinese authorities made a global announcement (Huang et al., 2020) that they have successfully identified the virus as a novel coronavirus, similar to the one associated with SARS and the middle east respiratory syndrome (MERS). Prior to this ground breaking discovery, the officials had 2 days earlier, on January 5, ruled out that the virus they were dealing with was either SARS or MERS, hence concluding that it was indeed a new type of virus. Upon its successful identification, it was tentatively named as '2019-nCoV'. The identification came after Chinese scientists successfully isolated the virus from one of the patients quarantined in a hospital in Wuhan (Huang et al., 2020). According to an article by Singhal (2020), the identified virus had greater than 95% (>95%) homology with the bat

coronavirus and was also greater than 70% similarity with the virus responsible for causing SARS (SARS-CoV)."

None of these tests involved the necessary steps of "isolation, purification characterization and full sequencing" of intact, wild, live virion from multiple patient samples, nor fulfillment of Koch's or Rivers' postulates, nor the meeting of the Gold Standard for the use of the PCR. No such steps or experiments are mentioned anywhere. Rather, the steps taken involve the "reassembly" of what are claimed to be viral nucleotides from presumed patient samples. [Little Dog] These are then published without chain of custody or patient notes (such as symptoms or outcome). Additionally, though the virus is said to be the result of zoonotic transfer, no original host or intermediate animals are ever identified.

ALSO — China's paramount leader and CCP general secretary Xi Jinping claimed he had learned of the epidemic on this date and issued a request for information on activities to contain the spread of the disease. However, the original public announcement of this on January 7, 2020 meeting did not mention the epidemic, and Xi's claim was unsupported by the evidence, according to an article published on February 15th, 2020 by Xi Jinping himself. [\[wiki\]](#)

January 8, 2020 — The article: "Pneumonia of unknown etiology in Wuhan, China: potential for international spread via commercial air travel" submitted January 8 and subsequently published January 14 in the *Journal of Travel Medicine*. By Isaac I. Bogoch, Alexander Watts, Andrea Thomas-Bachli, Carmen Huber, Moritz U.G. Kraemer and Kamran Khan. "There is currently an outbreak of pneumonia of unknown etiology in Wuhan, China. Although there are still several unanswered questions about this infection, we evaluate the potential for international dissemination of this disease via commercial air travel should the outbreak continue." [pw] [\[similar article from JTTM here.\]](#)

January 9, 2020 — WHO reported that Chinese authorities have determined that the outbreak is caused by a novel coronavirus. WHO convened the first of many teleconferences with global expert networks, beginning with the Clinical Network.

[Patient 2 said to have died on this date \(China\). No biopsy specimens were obtained.](#) [bobby] [This is contradicted by China's claim of the first death on Jan. 11.](#)

[From the NIH timeline:](#) On January 9, 2020, Chinese officials reported to the WHO that they have finally identified the virus, and subsequently, the WHO made the official announcement (WHO, 2020e) of the same to the world. [nih]

January 10, 2020 — Viral genome sequence was released by China and given GenBank MN908947 [c-d]. This is a partial, *in silico* sequence of the N gene [db]. WHO issued a comprehensive package of technical guidance online with advice to all countries on how to detect, test and manage potential cases, based on what was known about the virus at the time. This guidance was shared with WHO's regional emergency directors to share with WHO representatives in countries [who]. [Also see this 2018 paper](#) relating to 2003 SARS. Dr Li Wenliang, Chinese eye doctor, is said to have started coughing. He says his parents also took ill and were taken to the hospital. [Tests negative several times](#). What about his parents?

Official media announcement is picked up by ScienceMag.org.

— BetaCoV/Wuhan/IVDC-HB-05/2019 ID: EPI_ISL_402121 by Zhu et al. - submitted to GISAID [benjamin]

— BetaCoV/Wuhan/IVDC-HB-01/2019 ID: EPI_ISL_402119 by Zhu et al. - submitted to GISAID [Benjamin]

[From the Lancet](#): Authors in China write, "From Jan 10, 2020, we enrolled a family of six patients who travelled to Wuhan from Shenzhen between December 29, 2019 and January 4, 2020. Of six family members who travelled to Wuhan, five were identified as infected with the novel coronavirus." David Crowe writes, "Two grandparents) patients 1 and 2), the daughter and son-in law) patients 3 and 4), a 10-year old grandson and a 7- year old granddaughter (patients 5 and 6) flew to Wuhan on 12/29/19. On the first day, the grandmother (1) and her daughter (3) visited a baby boy with pneumonia, known as Relative 1, in a hospital in Wuhan (the hospital is not named, but the implication is the child had this new disease). They mingled with four other local relatives, of which two had also spent extensive time in the hospital. *Notably the infant's symptoms resolved one or two days after the visit, and he returned home." [crowe 16]

A Shanghai laboratory had sequenced the virus' genome. German scientists (meaning Corman and Drosten) produced the first polymerase chain reaction (PCR) assay based on this sequence, and others including SARS-CoV-I, a week later. This is called the "German test" or the "Charité" test, which is the same as the WHO's.

[\[virology\]](#) A viral genome sequence was released for immediate public health support via the community online resource. [Wuhan-HU-1, GenBank accession number MN908947, see entries above]

ALSO — The Global Coordination Mechanism for Research and Development to prevent and respond to epidemics held its first teleconference on the novel coronavirus, as did the Scientific Advisory Group of the research and development (R&D) Blueprint, a global strategy and preparedness plan that allows the rapid activation of research and development activities during epidemics. [[ctr](#)] [[paho](#)]

Agenda:

1. Overview of emerging data on disease epidemiology
2. Overview of research priorities and a collaborative process to offer support -if requested- to the national authorities in China and elsewhere.
3. Mechanisms for coordination/collaboration in terms of international research
4. Next steps including considerations of potential spread scenarios vis a vis research priorities

The meeting continues on January 15, covering WHO R&D Blueprint, novel coronavirus, outline of designs for experimental vaccines, and therapeutics. [[see also](#)]

ALSO — PENUMBRAL ECLIPSE OF THE MOON IN CANCER. (Jan 10) [astr]

January 11, 2020 — WHO [tweeted](#) that it had received the genetic sequences for the novel coronavirus from the People's Republic of China and expected these to soon be made publicly available. Chinese media reported the first death from the novel coronavirus [who [tweet](#)].

From Wiki timeline: A viral genome sequence was shared to GenBank and Virological.org by Professor [Zhang Yongzhen](#) of the Shanghai Public Health Clinical Centre through the auspices of the Wuhan Institute of Virology, which was before the government's official disclosure of the same to WHO, occurring the day after the [National Health Commission](#) released several viral sequences to GISAID.

— BetaCoV/Wuhan/WIV04/2019 ID:EPI_ISL_402124 by Zhou et al. - submitted to GISAID. This is a sequence of unknown origin published by China. [benjamin]

— BetaCoV/Wuhan/IPBCAMS-WH-01/2019 ID: EPI_ISL_402123 by Ren et al. - submitted to GISAID. This is a sequence of unknown origin published by China. [benjamin]

— BetaCoV/Wuhan/IVDC-HB-04/2020 ID: EPI_ISL_402120 by Zhu et al. - submitted to GISAID. This is a sequence of unknown origin published by China. [benjamin]

— MN908947.1 - published on www.virological.org [benjamin]. This is a sequence of unknown origin published by China. [all submitted by benjamin]

ALSO — First 'covid' death reported by China.

On January 11, the Chinese health officials report that a 61-year-old man who had been admitted in one of the hospitals in Wuhan had died. From the report (Ravelo and Jerving, 2020), the man had other underlying health conditions such as chronic liver disease and abdominal tumors, but the cause of his death was attributed to 2019-nCoV. By the time of his death, he was reported to have suffered from issues such as respiratory failure and severe pneumonia, septic shock, and multiple organ failure. He was also observed to have suffered from severe acid-based metabolism disorder and cirrhosis. His hospital treatment included antiinfection, ventilator-assisted breathing, life support, and other treatments, but with no positive results. **His death was marked as the first known death from this new virus.** [nih]

In regard to new cases, health officials did not record any other case except the 44 cases that had been received up to January 3. They also expressed that according to an epidemiological survey (WHO, 2020e), there was no clear evidence that the disease could be transmitted from human to human. However, they affirmed that all the cases in hospital were of people who had been exposed to the Wuhan Seafood market. [nih]

On this day, the first 2019-nCoV virus genome sequence was deposited in the GENBNK (the NIH database that where all public genetic sequences are stored) and shared with virologist.org (an online hub for prepublication of data, where the public can freely access for public health-related activities and research) and also

uploaded to the platform "Global Initiative on Sharing All Influenza Data" (GISAID) (ECDC, 2020b), through a collaboration of a number of organizations including the Shanghai Public Health Clinic Centre, the Central Hospital of Wuhan, Huazhong University of Science and Technology, and Wuhan Center for Disease Control and Prevention among others. All this happened before the information on discovery of the genome sequence was officially shared with the WHO. However, the details were to be shared with the WHO the following day together with other viral sequences that were to be shared with GISAID (Holmes, 2020). In parallel, Chinese Health officials were considering to temporarily close down the Chinese laboratory that was the first to share the coronavirus genome with the world. The laboratory was closed on the following day (January 12) (Pinghui, 2020). [nih]

WHO received further detailed information from the National Health Commission China that the outbreak is associated with exposures in one seafood market in Wuhan City. (note information was also received on the 12th).

January 12, 2020 — Saturn conjunct Pluto in Capricorn. [astr]

WHO reports: "Among the 41 confirmed cases, there has been one death. This death occurred in a patient with serious underlying medical conditions." Further, as of Jan 12., 2020, "Wuhan city is a major domestic and international transport hub. To date, there have been no reported cases outside of Wuhan City."

— MN908947.1 - made public on GenBank. This is a sequence of unknown origin published by China.

— BetaCoV/Wuhan-Hu-1/2019 ID: EPI_ISL_402125 (same as MN908947.1) by Wu et al. - published on GISAID. This is a sequence of unknown origin published by China. [submitted by benjamin]

From Wiki timeline: In China, more than 700 close contacts of the 41 confirmed cases, including more than 400 healthcare workers, had been monitored, with no new cases reported in China since 5 January.^{[42][38][52][69]} Respiratory wards in Wuhan hospitals began reaching capacity around 12 January [this is not confirmed elsewhere], with some people being denied care.^[70] The WHO published initial guidance on travel advice, testing in the laboratory and medical investigation.^[52] The WHO said that "The [Chinese] government reports that there is no clear evidence that the virus passes easily from person to person".^[71]

January 13, 2020 — WHO convened the first teleconference with the diagnostics and laboratories global expert network. [Are there notes on this?] The Ministry of Public Health in Thailand reported an "imported" PCR positive claim of novel coronavirus from Wuhan, the first recorded PCR positive outside of the People's Republic of China. WHO publishes first protocol for a RT-PCR assay by a WHO partner laboratory to diagnose the novel coronavirus [WHO].

Ministry of Public Health, Thailand reported the first imported case of lab-confirmed novel coronavirus (2019-nCoV) from Wuhan, Hubei Province, China.

January 14, 2020 — MN908947.2 - replaces MN908947.1 on GenBank [benjamin]

ALSO — WHO held a press briefing during which it [stated](#) that, based on experience with respiratory pathogens, the potential for human-to-human transmission in the 41 confirmed cases in the People's Republic of China existed: "it is certainly possible that there is limited human-to-human transmission." [WHO tweeted](#) that preliminary investigations by the Chinese authorities had found "no clear evidence of human-to-human transmission." [wiki]

In its [risk assessment](#), WHO said additional investigation was "needed to ascertain the presence of human-to-human transmission, modes of transmission, common source of exposure and the presence of asymptomatic or mildly symptomatic cases that are undetected" [WHO]. [From Wikipedia timeline](#): WHO sent a tweet which said "preliminary investigations conducted by the [Chinese authorities have found no clear evidence of human-to-human transmission of the novel coronavirus \(2019-nCoV\)](#) identified in Wuhan, China."^[77] According to Reuters in Geneva, WHO said there may have been limited human-to-human transmission of a new coronavirus in China within families, and it is possible there could be a wider outbreak.^[78] [wiki]

ALSO — [WHO posts a tweet](#) saying the following: "Preliminary investigations conducted by the Chinese authorities have found no clear evidence of human-to-human transmission of the novel #coronavirus (2019-nCoV) identified in #Wuhan, #China"

Then they try to walk that back. WHO's technical lead, **Maria Van Kerkhove**, noted in a press briefing there may have been limited human-to-human transmission of the coronavirus (among the 41 "confirmed cases"), mainly through family members, and that there was a risk of a possible wider outbreak. The lead also said that human-to-human transmission would not be surprising given our experience with SARS, MERS and other respiratory pathogens. [pw] —

January 15, 2020 — [The Ministry of Health, Labor and Welfare, Japan \(MHLW\) reported an imported case of laboratory-confirmed 2019-novel coronavirus from Wuhan, Hubei, Province, China](#) [bobby]

The NHC unveiled the first version of guidelines on diagnosis and treatment for pneumonia caused by novel coronavirus along with the guidelines on prevention and control measures. [bobby]

January 16, 2020 — The Pan American Health Organization/WHO Regional office for the Americas (PAHO/AMRO) issued its [first epidemiological alert](#) on the novel coronavirus. The alert included recommendations covering international travelers, infection prevention and control measures and laboratory testing.

[About the new cases, provincial and municipal experts based on the patient's clinical manifestations, epidemiological history, and the results detected using the newly issued diagnostic kits issued by the country, newly identified 4 cases of pneumonia infected by the new coronavirus.](#) [bobby]

January 17, 2020 — The WHO publishes its PCR protocols, based on the Corman-Drosten test. Sequence updated: MN908947.3 - replaces MN908947.2 on GenBank [benjamin]

Four cases were cured and discharged, 17 new cases were added, and there were no deaths. [bobby]

January 18, 2020 — Five cases were cured and discharged, 59 new cases were added, and 1 case dead. [bobby]

In the United States, retrospective NAT of archived respiratory samples in the Seattle region have suggested introduction of SARS-CoV-2 virus into the Seattle, Washington, area between Jan. 18 and Feb. 9. [article source]

January 19, 2020 — On January 19, 2020, a 35-year-old man presented to an urgent care clinic in Snohomish County, Washington, with a 4-day history of cough and subjective fever. On checking into the clinic, the patient put on a mask in the waiting room. After waiting approximately 20 minutes, he was taken into an examination room and underwent evaluation by a provider. He disclosed that he had returned to Washington State on January 15 after traveling to visit family in Wuhan, China. The patient stated that he had seen a health alert from the U.S. Centers for Disease Control and Prevention (CDC) about the novel coronavirus outbreak in China and, because of his symptoms and recent travel, decided to see a health care provider. [nejm]

CDC officials initially said the spark that started the U.S. outbreak arrived during a three-week window from mid-January to early February. Officially, the first U.S. infection was a traveler— a Washington state man who returned from Wuhan on January 15th and sought help at a clinic on this date. [apnews.com]

January 20, 2020 — WHO conducted field visit to Wuhan China to learn about the responses to 2019 novel coronavirus. The mission was part of the ongoing close collaboration between WHO and Chinese national, provincial and Wuhan health authorities in responding to 2019-nCoV. WHO publishes its first guidance on how to handle patients believed to be infected.

National IHR Focal Point (NFP) for Republic of Korea reported the first case of novel coronavirus in the Republic of Korea [bobby] A total of 201 cases of pneumonia in China have been claimed; 282 "confirmed" cases of 2019-n-Cov have been reported from four countries including China (278), Thailand (2), Japan (1) and the Republic of Korea (1). [bobby]

January 20, 2020 — [A pneumonia outbreak associated with a new coronavirus of probable bat origin](#) by Peng Zhou, et al. published in *Nature*, 270, volume 579. This is the "Zouh paper." [iap] N Engl J Med 2020;382:727-33. DOI: 10.1056/NEJMoa2001017. [They admit that their work does not fulfill Koch's Postulates](#). They offer no evidence or proof that their sequence has its source in a coronavirus

Samples from seven patients with severe pneumonia (six of whom are sellers or deliverymen from the seafood market), who were admitted to the intensive care

unit of Wuhan Jin Yin-Tan Hospital at the beginning of the outbreak, were sent to the laboratory at the Wuhan Institute of Virology (WIV) for the diagnosis of the causative pathogen (Extended Data Table 1). As a laboratory investigating CoV, we first used pan-CoV PCR primers to test these samples, given that the outbreak occurred in winter and in a market — the same environment as SARS infections.

January 21, 2020 — The United States of America (USA) reported its "first confirmed case" of the novel coronavirus. This was the [first case](#) in the WHO Region of the Americas [WHO]. The only available assay at this time is Corman-Drosten, distributed by WHO. **See Jan. 19 above.**

Corman-Drosten paper submitted to *Eurosurveillance* for peer review. It is published 48 hours later. The paper claims to establish a scientific basis for the as-yet nonexistent pandemic, claims the existence of "SARS-CoV-2," and gives instructions for a RT-PCR test including primer design.

According to BBC News [4] and Google Statistics [5] there were 6 deaths worldwide on January 21st 2020 – the day when the manuscript was submitted. Why did the authors assume a challenge for public health laboratories while there was no substantial evidence at that time to indicate that the outbreak was more widespread than initially thought? [[retraction paper](#)]

WHO experts from its China and Western Pacific regional offices conducted a brief field visit to Wuhan *(also noted under January 20th)? [pw]

The Chinese government has released the primers and probes used in its RT-PCR test kit. [bobby]

January 21-24 2020 — The World Economic Forum's annual meeting takes place in Davos, Switzerland, where both the economy and vaccinations are discussed. WEF was a cosponsor of Event 201.

January 22, 2020 — Wuhan bans sale and breeding of wild animals [[cbs](#)]. WHO mission to China issued a statement saying that there was evidence of human-to-human transmission in Wuhan but more investigation was needed to understand the full extent.

WHO director-general convened an Emergency Committee (EC) under the International Health Regulations (IHR 2005) to assess whether the outbreak constituted a public health emergency of international concern. The independent members from around the world could not reach a consensus based on the evidence available at the time. They asked to be reconvened within 10 days after receiving more information. "We have it totally under control." — President Trump, in an interview, on Jan. 22.

January 23, 2020 — On this date, Wuhan, a city of more than 11 million [9.5 million?], was cut off and locked down by the Chinese authorities. Wuhan's transit shutdown. [See [AJMC timeline](#) for additional source. See [Mai He paper](#) for additional source.] [Wuhan's transit system is shut down](#)

ALSO — [Detection of 2019 novel coronavirus \(2019-nCoV\) by real-time RT-PCR](#) by Victor Corman, Christian Drosten, et al, is published by *Eurosurveillance* with just 24 hours peer review. The paper is the scientific basis for the existence and pathogenicity of the 2019-nCoV virus, as well as providing the fatally flawed PCR test design adopted by the World Health Organization (WHO).

The paper admits, "The establishment and validation of a diagnostic workflow for 2019-nCoV screening and specific confirmation, designed in absence of available virus isolates or original patient specimens. Design and validation were enabled by the close genetic relatedness to the 2003 SARS-CoV, and aided by the use of synthetic nucleic acid technology."

The authors write ([quoted in my summary](#), emphasis added):

Before public release of virus sequences from cases of 2019-nCoV, **we relied on social media reports announcing detection of a SARS-like virus. We thus assumed that a SARS-related CoV is involved in the outbreak.** We downloaded all complete and partial (if > 400 nt) **SARS-related virus sequences** available in GenBank by 1 January 2020. The list (n = 729 entries) was manually checked and artificial sequences (**laboratory-derived, synthetic, etc.**), as well as sequence duplicates were removed, resulting in a final list of **375 sequences**. These sequences were aligned and the alignment was used for assay design ([Supplementary Figure S1](#)). Upon release of the first 2019-nCoV sequence at [virological.org](#), three assays were selected based on how well they matched to the 2019-nCoV genome ([Figure 1](#)). The alignment was **complemented by additional sequences released independently** on GISAID (<https://www.gisaid.org>), confirming the good matching of selected primers to all sequences.

The paper is finally [refuted in November](#) by an international consortium of scientists and researchers, who expose 10 fatal flaws in the assay design. These include the inability to detect whether a sample is from a human, defective primer design, issues with the cycle threshold, conflict of interest, lack of peer review, and many others. The 22 authors demand that the Corman-Drosten paper be retracted by *Eurosurveillance*. The publication secretly convenes a committee to address the retraction demand, which Dr. Steve Bustin revealed [in a Planet Waves FM interview](#) in early 2021.

ALSO — In the spirit of the Corman-Drosten paper published the same day, *The Daily Mail* goes to press with an article called "[Revolting footage shows Chinese woman eating a whole bat at a fancy restaurant as scientists link the deadly coronavirus to the flying mammals](#)," which falsely links her soup to the outbreak of the "pandemic" in China. This is essential propaganda that the allegedly dirty Chinese will eat anything that moves, and therefore imitated the outbreak of SARS-CoV-2. There is no reference to the need for an intermediate host, under the virus theory, as many experts are at the time saying that viruses cannot jump from bats to humans. Our sources in China say that bats are not eaten there; and they were never sold as food at the Huanan Wet Market — nobody ever claimed that they were. Rather, the theory was that the virus would have to jump from

something like a bat to something like a pangolin and then infect humans — though this link was never seriously proposed much less established by the fact pattern.

January 24, 2020 — [The CDC says that it has developed a sophisticated diagnostic test and has sought F.D.A. permission](#) to send it to public labs around the country.

ALSO — *The Lancet* [publishes a paper by Huang et al](#) revealing that 13 of the original 41 cases had no contact with the Huanan wet market in Wuhan, making the "wet market origin" story implausible or impossible.

An [article in Science](#) characterizes the findings: 'The paper, written by a large group of Chinese researchers from several institutions, offers details about the first 41 hospitalized patients who had confirmed infections with what has been dubbed 2019 novel coronavirus (2019-nCoV). In the earliest case, the patient became ill on 1 December 2019 and had no reported link to the seafood market, the authors report. "No epidemiological link was found between the first patient and later cases," they state. Their data also show that, in total, 13 of the 41 cases had no link to the marketplace. "That's a big number, 13, with no link," says Daniel Lucey, an infectious disease specialist at Georgetown University.' The question is: what is a "link" at all?

ALSO — [Zhu-Gao paper](#), [\[alt copy here\]](#) claiming isolation and purification, is published by *New England Journal of Medicine* (NEJM). "China novel coronavirus research and investigating team" including George Gao, head of Chinese CDC (Howard University educated). Gau is on the Global Monitoring Preparedness Board, connected to Fauci et al. He is also the Chinese guy on Event 201. They also define sequence as less than 90%, 2019-nCoV, the "likely causative agent" is probably this virus [Benjamin.] However, they admit that it does not fulfill Koch's Postulates. [\[iap\]](#) No part of the sequence has ever been shown to come from a coronavirus.

ALSO — Illinois health officials announced the first confirmed case [the novel coronavirus](#) infection in the state of Illinois, also the second confirmed case in the United States. The case was a woman in her 60s who had returned from a December 25 – January 13 visit to Wuhan, China, the place of origin of the outbreak, where she had frequently visited a hospitalized relative and other relatives with respiratory illnesses.^{[\[13\]](#)} On January 30, the [Centers for Disease Control and Prevention](#) (CDC) confirmed that the first known human-to-human transmission in the U.S. of the [SARS-CoV-2](#) virus (then known as 2019-nCoV) had occurred in Chicago. According to the CDC, the woman who was the first Illinois case had transmitted the virus to her husband, who was confirmed as the second Illinois case and the sixth U.S. case after testing positive. He was isolated at the same hospital as his wife [\[need identities and outcomes\]](#).^{[\[15\]](#)}

David Crowe writes, "A paper in *Lancet* [\[not the one referenced above\]](#) made a big deal about the presumed first case of person-to person contact in the USA, from a woman who had visited Wuhan in December 2019, to her husband, who stayed in the United States. She got sick after returning, and later both her and her husband, who had not travelled to Wuhan, tested positive for COVID-19. Whether he had symptoms or not was impossible to tell because he had chronic obstructive pulmonary disease, so had [a] cough and difficulty breathing all the

time. What is more interesting is that authorities identified 372 contacts of this couple, and "were able to assess exposure risk and actively monitor symptoms for 347." Not one of these people had an emergency room visit with respiratory symptoms within 14 days of contact with the couple. 43 did have some symptoms that could have been COVID-19, and became "Persons Under Investigation." 26 had exposures to the couple classified as "medium risk or greater." But despite the presence of symptoms, contact with the couple, and close monitoring, not one tested positive for COVID-19. [crowe 16]

The CDC says that it has developed a sophisticated diagnostic test and has sought F.D.A. permission to send it to public labs around the country. CDC Press tele briefing [pw] [[Jan 24 telebriefing transcript](#)]

From the briefing:

Dr. Messonnier: In terms of the second question, the prioritization of the diagnostic kits, we are working rapidly to get it to every state because we believe it is likely that many states will have patients under investigation that they'll want to do diagnostics. But we are certainly paying special attention to those states that have larger populations returning from Wuhan, to make sure they have that availability first. In terms of other countries, CDC has an incredibly strong infrastructure for this exact kind of development of diagnostics, and we'll certainly be working to make sure that we use those resources to help all the countries around the world that are in need of our help with diagnostics and in this case we are working with the World Health Organization who is coordinating a lot of those efforts.

ALSO — The CEO of the Coalition for Epidemic Preparedness Innovations says "most global public health leaders are very concerned" about the coronavirus. He says it has spread across international borders (a theme of CEPI) and has a wide range of symptoms, some of which might go unnoticed or be mistaken for ordinary wintertime illness. [[see video](#)] CEPI's motto is "vaccines for a safer world." [[see website](#)]

ALSO — China claims that the claimed virus [has killed 15 more people](#). This roundup from the *Washington Post* gives you an idea of what was in the news at the time. Remember that "case" means PCR positive.

BEIJING — France confirmed three cases of coronavirus Friday, marking the first confirmed diagnoses in Europe, as China expanded its efforts to control its outbreak and announced 15 new deaths. Australia also confirmed its first case of coronavirus, and a second case was confirmed in the United States.

Travel bans were extended in central China to put tens of millions of people effectively on local lockdowns. In Wuhan, where the virus was first detected, workers are racing to build a 1,000-bed hospital to treat victims of the disease.

Authorities around China, including in the capital, Beijing, have canceled the temple fairs and festivals that accompany the Spring Festival to avoid having large public gatherings where the airborne virus could spread.

- There are at least 1,287 confirmed cases of infection, and at least 41 people

have died. A total of 8,420 people are reported to be under observation.

- A young, previously healthy man died in Wuhan, raising concerns about the deadliness of the virus. Until now, the vast majority of victims have been older than 60 with preexisting conditions.
- Infections have been confirmed in Australia, France, South Korea, Japan, Nepal, Thailand, Singapore, Vietnam, Taiwan and the United States.
- Authorities are enforcing a lockdown across large parts of the province of Hubei, affecting more than 35 million people, but the precise number remains unclear.
- The Chinese medical system has clearly struggled to cope with the outbreak, with reports of crowded hospitals, stressed doctors and dwindling supplies.

ALSO — Total eclipse of Pluto-Charon by the Moon; the nodes of Pluto are in Cancer/Capricorn. These eclipses occur monthly through November.
[astr]

January 25, 2020 — *Chinese Medical Journal* receives submission of Ren paper. Ren paper claims that a novel coronavirus is associated with patient pneumonias but admits that it remains to be seen whether it causes the symptoms. [benjamin]

Less than 90% for reserved RDRP sequence and recommends that it should be classified as a new sequence. Some of the people, including the main author, are part of [cabal described at the top of the Ren paper]. Little Dog Team — published screen shots of social media accounts when they reported to friends of possible SARS-like outbreak.

Christian Drosten tweets: "Now that we know #nCoV2019 really resembles #SARS (see #Lancet yesterday), here is my reading tip for the weekend: <https://annals.org/aim/fullarticle/717919/epidemiology-severe-acute-respiratory-syndrome-2003-hong-kong-epidemic-analysis>. This is the essence of how #HongKong stopped it. Look at Figure 5." *The designer of the WHO PCR assay admits that the allegedly "new virus" is not a novel virus.*

From the NIH timeline for this day:

"Researchers were able to observe a lot of interesting information from the model, which ran from the start of the outbreak until 25th January. Specifically, the researchers estimated that as of 25th January, 40 cases of 2019-nCoV had been exported from China. At the same time, the team estimated that the number of 2019-nCoV cases in China may have been much higher than reported for the whole of January, up to about 20,000 cases of 2019-nCoV in the country as of 25th January 25 (the number reported at the time was nearly 2000). Researchers also estimated that hundreds of people in Wuhan were infected in early December. The model is, however, limited by many factors, as explained by the team on their blog post. They are primarily due to the numbers being used are conservative estimates, the transmission of 2019-nCoV, such as the R0 value and incubation period, being uncertain, asymptomatic infections are not covered and only air travel was included." [nih]

On Virological.org, Kristian Anderson says that [there are 28 full-length genomes and one partial genome claimed to be from 2019-nCoV](#) available on the GISAID platform. Many of the earlier entries were posted by the Wuhan Institute of Virology, and were deleted. Anderson proposes that the earliest common ancestor of the 28 alleged sequences was in October 2019. How were these genomes created without purified, isolated virus, and how did anyone initially know what to look for? [pw]

January 26, 2020 — Editor of the *People's Daily*, the official newspaper of the Central Committee of the Chinese Communist Party (CCP), tweeted a claim that the first building of the Huoshenshan Hospital had been completed in only 16 hours. *The Daily Beast* reported the next day the building shown in the picture accompanying the tweet was actually a marketing photo of a modular container building sold by the Henan K-Home Steel Structure Company, not an actual hospital. In other words, this was propaganda. [wiki]

ALSO — PLUTO SQUARE ERIS, #1 OF 5. THIS IS THE WANING SQUARE, PRODUCT OF THE OPPOSITION ON AUGUST 15, 1978. THE PATTERN ENDS OCT. 9, 2021. [ASTR] This is the defining aspect pattern of the "covid" era.

January 27, 2020 — CDC issued narrow guidance on which patients qualified for a test — only those with recent travel to Wuhan or those who had come into contact with an infected person. [pw]

GenBank: MN996532.1 submits Bat —RaTG13. It was noted that on October 13, 2020 this sequence was replaced by MN996532.2 [bobby] [These are sequences of unknown origin provided by China.](#)

January 28, 2020 — Chairman of the Chemistry and Chemical Biology at Harvard University and two Chinese nationals were charged with aiding the People's Republic of China. There are a diversity of criminal charges for selling scientific secrets and lying to a federal investigation, tax evasion and other crimes, among other issues. One of the Chinese nationals, Zaosong Zheng, was charged with stealing 21 vials of biological research and attempting to smuggle them out of the U.S. and aboard a flight to China.

Our reporters did their best to unravel this at the time and could not find a direct covid connection. We cannot rule in, or rule out, that this incident is connected to covid. However, the criminally indicted chairman, Dr. Charles Lieber, was a "strategic scientist" at Wuhan University of Technology, perhaps just a coincidence; the university has not come up in the covid story that we have read about. See [Department of Justice press release](#). See [NPR coverage](#).

The most interesting thing about the court papers, in my view, was the description of the depth and complexity of U.S.-China relations where biotechnology is concerned. Read coverage from June 2021 in the [Harvard Crimson](#).

In other news, senior WHO delegation led by the Director-General travelled to Beijing to meet China's leadership, learn more about China's response, and to offer

any technical assistance. [pw]

Op-Ed by Luciana Borio, the former head of medical and biodefense preparedness at the National Security Council (NSC), and Scott Gottlieb, who led the Food and Drug Administration (FDA) from May 2017 to April 2019: Act Now to Prevent an American Epidemic – Quarantines, flu vaccines and other steps to take before the Wuhan virus becomes widespread. “[T]he CDC will struggle to keep up with the volume of screening. Government should focus on working with private industry to develop easy-to-use, rapid diagnostic tests that can be made available to providers.” [The CDC did the opposite, issuing narrow testing guidelines.] [pw]

January 29, 2020 — [Little Dog paper published on Medium](#). [See English translation.] It is a personal account detailing the *in silico*, gene assembly sequencing of the alleged virus. Our source on these issues writes, “I believe it was simply a worker at the company Vision Medicals that made the first reading. Little dog refers to the name that person has on his/her WeChat profile that he or she used to communicate with another coworker about the ‘discovery’ of a new SARS”

The White House announces a coronavirus task force led by the secretary of Health and Human Services Alex M. Azar II. President Trump attends the group’s first meeting and tweets that the experts “are on top of it.” [pw]

ALSO — Pasteur Institute claims it has [sequenced the whole virus](#) from samples it received on January 24. [[science daily](#)] This is not actual sequencing from purified isolate of wild virion; it is assembling nucleotides into a hypothetical *in silico* sequence it's passing off as a “virus,” using gene assembly tools.

ALSO — The WHO. declared a global health emergency. The WHO Director-General reconvened the [Emergency Committee \(EC\)](#). This was earlier than the 10-day period and only two days after the first reports of limited human-to-human transmission were reported outside China. This time, the EC reached consensus and advised the Director-General that the outbreak constituted a Public Health Emergency of International Concern (PHEIC). The Director-General accepted the recommendation and declared the novel coronavirus outbreak (2019-nCoV) a PHEIC. This is the 6th time WHO has declared a PHEIC since the International Health Regulations (IHR) came into force in 2005.

ALSO — A new, affordable (and unspecified) pneumonia vaccine was high on the agenda at the inaugural Global Forum on Childhood Pneumonia in Barcelona. The new vaccine could save many lives from the top childhood killer—and improving access in middle-income countries should be a central focus, says Médecins Sans Frontières, or Doctors Without Borders, an international humanitarian medical non-governmental organization of French origin. [Global Health Now]

January 31, 2020 — HHS boss Alex M. Azar declared a “public health emergency,” announcing travel restrictions — [including barring noncitizens who had recently visited China from entering the United States](#) — in an effort to curtail the virus’s spread inside the country. The declaration triggered emergency testing protocols, which increased restrictions on which labs could make a coronavirus test. Any lab

would be required to acquire an Emergency Use Authorization (EUA) from the FDA to perform testing for covid-19. [The FDA granted the CDC the first EUA](#)

ALSO — Italy suspends flights to China and declares a national emergency [after two PCR positives in Rome](#). [Italy dates are from [Axios timeline](#).]

HHS boss Azar declared a “public health emergency,” announcing travel restrictions—including barring noncitizens who had recently visited China from entering the United States—in an effort to curtail the virus’s spread inside the country. The declaration triggered emergency testing protocols, which increased restrictions on which labs could make a coronavirus test. Any lab would be required to acquire an Emergency Use Authorization (EUA) from the FDA to perform testing for covid-19. The FDA granted the CDC the first EUA. Late January ‘Criminal Negligence’: Trump Officials Ignored Company’s Offer to Make 7 Million N95 Masks Per Month. The World Health Organization began shipping its tests out to countries during the first week of February. [pw]

[According to NIH](#), The virus has been spread to 17 other countries [25], with number of confirmed cases: Thailand (14), Japan (11), Singapore (10), Australia (9), Malaysia (8), USA (6), France (5), Germany (5), Korea (4), United Emirates (4), Canada (3), Vietnam (2), Nepal (1), Finland (1), Sri Lanka (1), India (1), and Cambodia (1). Using back-calculation method, Nishiura has estimated the cumulative incidence in China in real time, allowing us to update and discuss the extent of transmission at the source [26]. [[nih](#)]

All age groups can be infected. According to Bin Cao, the Executive vice President at the Institute of Respiratory Medicine, Chinese Academy of Medical Sciences, 72% confirmed infection cases are aged 40 and above, 64% are male. 40% patients also have other underlying diseases such as diabetes and high blood pressure [27]. [[nih](#)]

On January 31, after a planned debate session, the Senate voted against allowing subpoenas to call witnesses or documents with a 51–49 vote. Fifty-one Republican senators voted against calling witnesses, while 45 Democratic senators, two independents (Bernie Sanders and Angus King) who typically vote Democratic, and two Republicans (Mitt Romney and Susan Collins) voted for witnesses. Further attempts to add witnesses, Bolton in particular, via amendments were tabled with similar vote tallies but with Romney and Collins joining their fellow Republicans except for votes specifically calling for Bolton as a witness.

Events of February 2020

Early February 2020 — Stanford University develops its own test for the coronavirus but runs into regulatory roadblocks at the FDA. The U.S. opted to develop its own test, but the distribution was limited. Other countries, like China, developed their own tests as well. In the early weeks of the pandemic, the United States recorded an estimated 15,400 excess deaths, nearly two times as many as were publicly attributed to covid-19 at the time [[wapo](#)]

February 1, 2021 — Pan American Health Organization (PAHO) issues its [Laboratory Guidelines for Detection and Diagnosis of the Novel Coronavirus \(2019-n-CoV\) Infection](#).

February 2, 2020 — The first alleged coronavirus death was reported outside China. This is [in the Philippines](#). Patient is 44 years old and was from Wuhan. [pw]

ALSO — BBC reports that 200 people have died in the outbreak, "the vast majority from Hubai." BBC also claims that 14,000 have been infected as of this date, meaning PCR positives. [[bbc](#)]

February 3, 2020 — [A new coronavirus associated with human respiratory disease in China](#) by Fan Wu, Su Zhao, Bin Yu, Yan-Mei Chen, Wen Wang, et al., published in the journal *Nature*. This is the famous "Wu Paper," which establishes the existence of the MN908947 series of sequences — what has been called "the mother of all SARS-CoV-2 genomes," meaning alleged or claimed genomes. This sequence is cited by both Corman-Drosten and the CDC as the source of its PCR primers.

"Fan Wu et al.'s first (of three) *in silico* 'genomes' submitted to GenBank from their 41-year-old man from the wet market. By the looks of this, the CDC tested their PCR protocol with a synthetic RNA sequence matched to the 'N-gene' sequence (28290..29549) of this model." [[mb](#)] [[iap](#)] According to Little Dog, the MN908947 series is based on a sample allegedly taken from a patient on December 26, 2019. No part of the sequence has ever been shown to come from a coronavirus.

Wu et al. write, "This virus strain was designated as WH-Human 1 coronavirus (WHCV) (and has also been referred to as '2019-nCoV') and its whole genome sequence (29,903 nt) has been assigned GenBank accession number MN908947. Remapping the RNA-sequencing data to the complete genome of WHCV resulted in an assembly of 123,613 reads, providing 99.99% genome coverage at a mean depth of 6.04× (range, 0.01–78.84×) (Extended Data Fig. 3). The viral load in the BALF sample was estimated by qPCR to be 3.95 × 10⁸ copies per ml (Extended Data Fig. 4)."

ALSO — WHO releases the international community's Strategic Preparedness and Response Plan to help protect states with weaker health systems. The US test was approved by the Food and Drug Administration on February 4 — around two weeks after the first case was reported in Washington State and more than a month after the outbreak was first reported in China.

"Early" CDC test couldn't distinguish between coronavirus and water. [pw, [biz insider](#)]. Repeat, tested positive for water. [Battini explains somewhere how exactly this happened. Water is used as the negative control — the substance that should always test negative. One way to get a positive test out of water is the primer-dimer issue, with the primers from the test annealing to one another and forming a substance that tests "positive." This may have been what was called at the time test contamination. [[see Four Steps of PCR](#), a concise explanation of the process. Includes video.]

The United States Senate voted 52 to 48 to find Trump not guilty on the charge of abuse of power; all 45 Democrats, Independent senators Bernie Sanders and Angus King, and Republican senator Mitt Romney voted guilty. Romney's vote marked the first time in American history a senator voted to convict a president of his own party. On the second charge, the Senate voted 53 to 47, in a party-line vote, to find him not guilty on the charge of obstruction of Congress.

ALSO — On February 3, 2020, CDC submitted an EUA package to expedite FDA-permitted use of the CDC 2019-nCoV Real-Time RT-PCR Diagnostic Panel in the United States. FDA issued the EUA the next day and CDC sent the test kits to state and local public health laboratories. [[source](#)]

From the [February 3 briefing](#):

As we have reported earlier, CDC has developed a real-time Reverse Transcription Polymerase Chain Reaction or RT-PCR test that can detect 2019 Novel Coronavirus and respiratory and serum specimens from clinical specimens. On January 24, CDC publicly posted the assay protocol for this test. CDC has isolated the virus, and this week it is being sent to the NIH resource repository for use by the broad scientific community. I'm pleased to report that, today CDC plans to submit an Emergency Use Authorization or EUA package to FDA. The EUA process expedites the use of potentially life-saving medical or diagnostic products during a public health emergency. Once approved, the EUA will allow public health labs across the United States to use the CDC developed diagnostic assay. This will greatly enhance our national capacity to test for this virus. In preparation for that approval, CDC has shipped the test to the International Reagent Resource so that States and international partners can begin ordering the test for their use. Also on the topic of this test, I want to clarify something I said on Friday in relation to the people quarantined at March Air Reserve Base, that even if an initial screening test comes back negative from CDC's laboratory, it does not guarantee these people won't get sick. There has been some confusion about that statement, and some people have taken that to mean the test doesn't work.

February 4, 2020 — Just 24 hours after the request is submitted, FDA issues Emergency Use Authorization (EUA) requiring CDC to retest all positive results. CDC finally started to send kits to state and local health labs on February 5.

[pw] Here is a crude *Washington Post* [chronology of issues with the CDC test](#).

February 4, 2020 — Japan's [Ministry of Health, Labour and Welfare](#) announced that [Diamond Princess](#),^[bt] which had docked at [Yokohama](#)^[bu] the previous day,^[bv] was quarantined at sea with 10 positive cases on board.^[183]

February 5, 2020 — [Trump acquitted in first impeachment trial](#).

ALSO — A cruise ship in Japan quarantined thousands. [pw] "On Wednesday, it was confirmed that 10 people on board a cruise ship in Japan had also tested positive, prompting authorities to instruct all passengers to remain inside their cabins. Thousands of people on the Diamond Princess face spending the next fortnight stuck off the Japanese port of Yokohama, as officials attempt to prevent further infection." [\[guardian\]](#)

The death toll in China has now risen to 490, according to the latest figures from the country's National Health Commission (NHC). [\[guardian\]](#)

February 6, 2020 — Officials in Santa Clara County, Calif., announced on April 21 that two residents there died of the coronavirus on Feb. 6 and Feb. 17, making them the earliest known dead? victims of the pandemic in the United States. The CDC-manufactured kits were sent to state labs on Feb. 6 and Feb. 7. CDC press release. [pw]

February 6, 2020 — Dr. Peter Daszak of EcoHealth Alliance coordinates with University of North Carolina at Chapel Hill virologist Dr. Ralph Baric asks by email to keep his name off the public letter so as not to arouse a well-founded suspicion of a conflict of interest. [\[The Nation\]](#)

February 7, 2020 — Li Wenliang — the ophthalmologist who warned people about a new virus — died, allegedly from covid-19 disease at age 34.^{[8][9]} A subsequent Chinese official inquiry exonerated him, and the [Communist Party of China](#) formally offered a "solemn apology" to his family and revoked the admonishment of him.

February 10, 2020 — "We're in great shape, though. We have 12 cases, 11 cases and many of them are in good shape." — Trump remarks. [pw]

February 11, 2020 — **The disease the virus causes was named COVID-19.** [pw]. The word "covid" [should not exist anywhere before this time](#), such as in spellcheck, disinfectant packages, etc.

February 12, 2020 — CDC revealed that several labs had difficulty validating the test because of a problem with one of the reagents. A problem with one ingredient in the US tests caused more than half of state labs to receive inconclusive results. Health experts said the glitch was unprecedented. [pw] [\[science\]](#)

"The key problem with the kits is what's known as a negative control, says Kelly Wroblewski, director of infectious diseases at the Association of Public Health Laboratories (APHL). CDC's test uses the polymerase chain reaction (PCR)

assay to find tiny amounts of the SARS-CoV-2 genome in, say, a nose swab. To make sure a test is working properly, kits also include DNA unrelated to SARS-CoV-2. The assay should not react to this negative control, but the CDC reagents did at many, but not all, state labs. The labs where the negative control failed were not allowed to use the test; they have to continue to send their samples to Atlanta." [\[science\]](#) This seems to be the first reference to potential problems with the WHO-Corman-Drosten assay.

February 11- 12, 2020 — WHO convened a Research and Innovation Forum on COVID-19, attended by more than 400 experts and funders from around the world, which included presentations by George Gao, Director General of China CDC, and Zunyou Wu, China CDC's chief epidemiologist. [pw]

February 13, 2020 — Azar testified that he intended to implement a pilot program, adding coronavirus surveillance to the existing flu surveillance networks. But it never came to fruition. There were not enough tests to make it happen. [pw]

February 14, 2020 — France announced the first coronavirus death in Europe. Experts share concern that procedures on the quarantined ship will increase infection risk. [pw]

February 16, 2020 — Mercury stations retrograde in Pisces, conjunct Nessus and Neptune. This is the astrological scrim under which the rollout will proceed. [astr] See [Planet Waves coverage](#).

February 16, 2020 — [Report in the Daily Mail](#) may be the first to propose lab release. "Chinese scientists believe the deadly coronavirus may have started life in a research facility just 300 yards from the Wuhan fish market. A new bombshell paper from the Beijing-sponsored South China University of Technology says that the Wuhan Center for Disease Control (WHCDC) could have spawned the contagion in Hubei province. 'The possible origins of 2019-nCoV coronavirus,' penned by scholars Botao Xiao and Lei Xiao claims the WHCDC kept disease-ridden animals in laboratories, including 605 bats." (**Editor's Note:** *This is a different lab from the Wuhan Institute of Virology, which is the focus of most lab release theories. Also, see the lab release timeline at the very top, where I list all the other timelines; we will integrate some of those dates shortly. There are some significant developments in terms of official announcements.*)

February 16-24, 2020 — The WHO-China Joint mission, which included experts from Canada, Germany, Japan, Nigeria, Republic of Korea, Russia, Singapore and the US (CDC, NIH) spent time in Beijing and also travelled to Wuhan and two other cities. They spoke with health officials, scientists and health workers in health facilities (maintaining physical distancing). The report of the joint mission can be found here: WHO-China Joint Mission report. [pw]

See spring 2022 coverage by [Brownstone Institute](#), which asks (and gets an A+ in poetry for use of the word "festooning"):

- Who came up with this 6-feet of distance rule and on what basis?
- Who pushed the idea of festooning the country with plexiglass?

- Who was instrumental in pushing the panicked school and church closures?
- Who came up with the idea of shutting the hospitals nationwide to non-Covid patients even in places that had not yet met the virus?
- Why so little concern for small businesses and why were big-box stores exempted from shutdowns?
- What exactly was the relationship between federal and state health officials that enacted so many similar policies so quickly?
- At what point did pharmaceuticals get involved and why were only three makers selected for the US and on what basis?
- Who was responsible for suppressing facts about natural immunity?
- How did the boosters get approved without support of top FDA officials who later resigned?
- How did the federal government so easily conscript social-media platforms into its disinformation campaign?
- How did it happen that the Department of Health and Human Services released a confidential lockdown blueprint on March 13, 2020, even before the idea had the green light from the White House?
- Gain-of-function research anyone?

By now the CDC and state public health labs tested nearly 1,600 specimens. As a rule of thumb, two specimens are required per person, meaning that in total, only about 800 people had been tested. That's roughly 2.4 tests per million people in the United States. [pw]

February 18, 2020 — Even as coronavirus testing remained limited nationwide, the CDC reminded hospitals that they shouldn't do their own testing without an "emergency use authorization" from the FDA. [pw]

February 19, 2020 — Dr. Peter Daszak, leader of EcoHealth Alliance and an associate of Baric, organized a letter that was signed by 27 public health scientists, which affirmed the pandemic's natural origin. See Feb. 6, 2020 entry [\[The Nation\]](#)

ALSO — [A statement is published in The Lancet](#) by a group of 27 scientists: "We stand together to strongly condemn conspiracy theories suggesting that covid-19 does not have a natural origin," the statement says. Scientists "overwhelmingly conclude that this coronavirus originated in wildlife." The statement was [drafted and organized](#) by Peter Daszak, president of EcoHealth Alliance, which funded research at WIV with U.S. government grants. (Three of the signers have [since said](#) a laboratory accident is plausible enough to merit consideration.) [[wapo](#)] [gof]

***Editor's Note:** This deserves a comment. It seems that nearly everyone lapses into missing the distinction between the opinion of a scientist (or in this case, a group of them) and a finding of science, based on the scientific method. Note the pejorative term "conspiracy theory" rather than "testable hypothesis." These 27 people are making an assertion in the first weeks of a crisis purporting to speak authoritatively about the origins of a virus, where the existence and pathogenicity has not even been established. The suitable topic for debate at this time is not the source of the virus, but whether the early papers correctly documented its existence. Additionally, it would be appropriate to consider the nature of the in-*

silico sequences, source of the primers, the primer design and the overall assay design of the PCR device being used to "diagnose" cases of infection when its own specifications explicitly state that it cannot do so. — efc

ALSO — Hundreds left the quarantined *Diamond Princess*. A scientist onboard the quarantined ship calls conditions "completely chaotic." [pw, [nyt](#)] [Here is a special treat — a [Wikipedia compilation](#) of "covid" events on cruise ships. They list 44 of them.] From Wiki:

On 4 February 2020, Japan's [Ministry of Health, Labour and Welfare](#) announced that [Diamond Princess](#),^[bt] which had docked at [Yokohama](#)^[bu] the previous day,^[bv] was quarantined at sea with 10 positive cases on board.^[183]

Diamond Princess had originally departed from Yokohama on 20 January 2020 for a roundtrip cruise.^{[bz][182][184]} On 20 February 2020, the [World Health Organization](#) stated that the ship accounted for more than half of the reported infections around the world outside of China.^[185]

February 20, 2020 — A man in Lombardy tests positive after previously leaving the hospital without a test. He is believed to have spread the disease widely before developing severe symptoms. (Italy now has three PCR positives.)

February 21, 2020 — A secretive church was linked to the outbreak in South Korea. [pw] This is the first claimed "superspreader event." The whole story fails reality check, but this is essential propaganda: the world gets the idea that one "infected" person can spread "covid" to an entire congregation of people.

ALSO — First viral video of the "covid" era published: the [Handwashing Dance by Quang Dang](#). This is from around the same time when we were told all we had to do was sing Happy Birthday twice while washing hands and they would then be clean and we would end "covid."

February 23, 2020 — In Italy, small towns said to be affected by the outbreak are placed under quarantine. Carnival celebrations and some soccer matches are canceled (150 PCR positives in Italy as of this date).

February 24, 2020 — Iran emerged as a second focus point. State public health labs made an unusual plea for the FDA to open testing. [pw]

The chief executive of the Association of Public Health Laboratories (APHL) writes to the FDA that, "We are now many weeks into the response with still no diagnostic or surveillance test available outside of CDC for the vast majority of our member laboratories."

APHL asked FDA Commissioner Stephen Hahn for "enforcement discretion" to sidestep the emergency process and allow APHL members labs to use their own tests. On 26 February, Hahn replied that the CDC test could be modified to use just the primers that specifically detect SARS-CoV-2, essentially ignoring the faulty portion of the kits. FDA, in other words, would look the other way to make more widespread testing possible. [[science](#)]

CDC has notified labs of FDA's decision in a letter, but the agency must still file an emergency use authorization with FDA for the protocol change. Once it does, it won't take long, Hahn promised in his letter to APHL: "FDA has been able to authorize tests for public health emergencies within as little as 1 day upon receipt of the complete validation." [[science](#)]

In New York, the State Department of Health (NYS-DOH) has designed its own test based on the CDC protocol and plans to seek its own emergency use authorization. [[science](#)] It is later revealed that the test utilizes 45 cycles of the PCR, assuring 90% false positives.

February 25, 2020 — Azar boasts to a Senate panel about his agency's "aggressive response" to the coronavirus. A total of 12 other labs received EUAs from the FDA by late February. [pw] "We have contained this," White House economic adviser Larry Kudlow insisted to a television interviewer on Feb. 25. "I won't say airtight but pretty close." [[politico - march 6 2020 lots here](#)]

February 26, 2020 — Latin America reported its first case. On this Wednesday, under pressure from health experts and public officials, the CDC and the FDA told labs they no longer had to worry about the portion of the test intended "for the universal detection of SARS-like coronaviruses." After three weeks of struggle, they could now use the test purely to check for the presence of COVID-19. [pw]

February 27, 2020 — "It's going to disappear. One day — it's like a miracle — it will disappear." — Trump remarks [pw]

ALSO — Flattening the curve! [This article from The Economist](#) is the earliest document reference we have found to the term "flatten the curve," which was being touted as an excuse and rationale for the lockdown of the world. [STAT News](#) picks it up March 11, *The New York Times* picks it up a few weeks later and [offers this article for the enlightenment of its readers](#), who are about to sit home for months, with their kids locked out of school.

February 28, 2020 — Claimed infections spiked in Europe. Sub-Saharan Africa recorded its first infection. [pw]

February 29, 2020 — The United States reported its first claimed COVID-19 death. On this Saturday, the FDA announced an "accelerated policy to achieve more rapid testing capacity in the United States," allowing academic hospital labs capable of performing high-quality testing to develop and begin using their own tests to detect COVID-19. Before now, hospital labs weren't sent test kits by the CDC and the FDA required an extensive review process even if the hospitals had internally validated their tests. Under the new policy, the FDA review will still be required, but labs will be able to start using their diagnostics once they are internally validated. [pw, [ProPublica](#)]

ALSO — [Pholus and the Pandemic of Panic](#) by Eric F. Coppelino published by Planet Waves. [efc]

End of February — By the end of February, the World Health Organization had shipped its fatally flawed Corman-Drosten designed tests to nearly 60 countries. [[politico - march 6 2020 lots here](#)]

Undated - Probably February — “Please provide an explanation for why the covid-19 diagnostic test approved by the World Health Organization was not used,” Sen. Patty Murray, the ranking Democrat on the Senate health committee, who represents the hard-hit state of Washington, asked in a 3½-page letter on the testing fiasco to Pence, Health Secretary Alex Azar, CDC director Robert Redfield, and Food and Drug Administration Commissioner Stephen Hahn. [[politico - march 6 2020 lots here](#)]

“We developed a test very rapidly after China produced the [genetic] sequence. We are in the process of validating that and that’s the test we’re going to be using,” said the CDC’s Stephen Redd, a 30-year veteran of the agency, at a recent briefing, even as members of the presidential task force acknowledged that the pace of testing had lagged. [[politico - march 6 2020 lots here](#)]

The WHO test, which adopted a German test as its model [Corman-Drosten], was developed soon after Chinese researchers publicly posted the genome of the coronavirus in January. It shipped millions of tests to countries around the world, but generally only those without the capability to develop their own. The U.S. developed its own test around the same time, but manufacturing and quality control issues soon set it well behind the WHO.

CDC officials acknowledged that one of the three components of the initial test were faulty, but it took weeks before the agency approved a workaround. [[the hill, march 17, 2020](#)]

The initial tests didn’t work, and officials are probing whether there was possible contamination [likely meaning primer-dimer issue]. The protocol for who could be tested was restricted to people already known to have been exposed to the virus or who had been in China, even as the epidemic raced to multiple countries like Japan, South Korea, Italy and Iran. [[politico - march 6 2020 lots here](#)]

Events of March 2020 | [March Source Materials](#)

March 1, 2020 — New York City [reports its first case](#). No details on symptoms.

March 3, 2020 — Olympic Committee promises the Tokyo games will go on. [covid19 News](#) commences publication, published by Chiron Return.

ALSO — [Isolation and characterization of SARS-CoV-2 from the first US COVID-19 patient by Harcourt](#), Lu, et al. Harcourt is a researcher at the U.S. CDC. This is an *in-silico* sequence brewed up by the usual method, which is neither isolation nor purification, with no evidence presented that it is from a coronavirus, much less a causative agent of the patient's disease. [[iap](#)]

Vero CCL-81 [monkey] cells were used for isolation and initial passage. Vero E6, Vero CCL-81, HUH 7.0, 293T, A549, and EFKB3 cells were cultured in Dulbecco's minimal essential medium (DMEM) supplemented with heat inactivated fetal bovine serum (5 or 10%) and anti/anti antibiotic (GIBCO). Both NP and OP swabs were used for virus isolation. For the isolation, limiting dilution, and passage 1 of the virus, 50 µl serum free DMEM was pipetted into columns 2-12 of a 96-well tissue culture plate. One-hundred µl clinical specimens were pipetted into column 1, and then serially diluted 2-fold across the plate. Vero cells were trypsinized and resuspended in DMEM + 10% FBS + 2X Penicillin-Streptomycin + 2X antibiotic – antimycotic + 2 X amphotericin B at 2.5×10^5 cells / ml. One hundred µl of cell suspension were added directly to the clinical specimen dilutions and mixed gently by pipetting. The inoculated cultures were grown in a humidified 37°C incubator with 5% CO₂ and observed for cytopathic effect (CPE) daily. Standard plaque assays were used for SARS-CoV-2 based on both SARS-CoV and MERS-CoV protocols (16, 17).

March 4, 2020 — Schools and universities are closed in Italy by government orders (3,089 PCR positives as of this date).

March 5, 2020 — [Oh Mama, Could This Really Be the End?](#) published by Planet Waves. [[efc](#)]

March 6, 2020 — The \$8.3 billion [Coronavirus Preparedness and Response Supplemental Appropriations Act, 2020](#)), which was enacted. The second phase was "an approximately \$104 billion package largely focused on paid sick leave and unemployment benefits for workers and families" (the [Families First Coronavirus Response Act](#)), which was enacted on March 18, 2020.^[17]

March 6, 2020 — Testing controversy between WHO and Trump, seemingly based on a press report in Politico: The disease has now spread to more than 60 countries in six continents, sickening more than 100,000 and killing well over 3,000. "Why the United States declined to use the WHO test, even temporarily as a bridge until

the Centers for Disease Control and Prevention could produce its own test, remains a perplexing question and the key to the Trump administration's failure to provide enough tests to identify the coronavirus infections before they could be passed on, according to POLITICO interviews with dozens of viral-disease experts, former officials and some officials within the administration's health agencies." [[politico - march 6 2020 lots here](#)]

March 7, 2020 — Chiron square Pholus, from Pisces to Sagittarius. This is the 7th of 7 iterations of the square, the first of which happened June 1, 2017. This is the one astrological event that bridges the '###metoo' era with the 'covid' era — two events with the runway train effect. [astr]

March 8, 2020 — In Italy, several northern provinces are placed under lockdown. (There are 7,375 claimed PCR positives as of this date — but how many claimed hospitalizations?)

ALSO — In an interview on the television newsmagazine *60 Minutes*, Anthony Fauci tells the audience that [masks do not work](#) to prevent the spread of disease in the Mideast of an outbreak. Pressed for a true answer, he insists: masks are not necessary and do not help.

March 9, 2020 — [Isolation and rapid sharing of the 2019 novel coronavirus \(SARS-CoV-2\) from the first patient diagnosed with COVID-19 in Australia](#), by Leon Caly, Julian Druce, Jason Roberts, Katherine Bond, et al., *MJA - The Medical Journal of Australia*. Paper notes, "The unedited version of this article was published as a preprint mja.com.au on March 9, 2020." [iap] No part of the sequence has ever been shown to come from a coronavirus.

ALSO — In Italy, the lockdown is extended nationwide (9,172 PCR positives as of this date).

ALSO — Mercury stations direct in Aquarius, in what is now an entirely transformed world. During the second shadow phase of the retrograde, nearly all of the lockdown measures take place. Virgo Full Moon. [astr]

March 10, 2020 — *The Brooklyn Eagle* publishes an article [recommending 23 different books](#), chosen by librarians, about past plagues and pandemics. These include *How to Survive a Plague* by David France, *The Ghost Map* by Steven Johnson, and *The Very, Very Dreadful Influenza Epidemic of 1918* by Albert Marrin, putting everyone in the mood.

March 11, 2020 — **WHO's director general calls covid-19 a pandemic.** Note, at some point prior to this, the definition of that word changed. In Italy, all restaurants and bars are closed (12,462 PCR positives in Italy as of this date). [[STAT News](#)]

ALSO — Scientific American [publishes a profile](#) of virologist Shi Zhengli, who heads a group that studies bat coronaviruses at WIV. "I had never expected this kind of thing to happen in Wuhan, in central China," she said. If coronaviruses were the culprit, she remembers thinking, "Could they have come from our lab?" The article

said that after the virus emerged, Shi frantically went through her own lab's records from the past few years to check for any mishandling of experimental materials, but she "breathed a sigh of relief when the results came back: none of the sequences matched those of the viruses her team had sampled from bat caves." She told the magazine: "That really took a load off my mind. I had not slept a wink for days." [[wapo](#)] [[gof](#)]

March 12, 2020 — FDA requiring double testing [comes under fire by Pro Publica](#). "A federal directive that's supposed to speed up the response to a pandemic is actually slowing down the government's rollout of coronavirus tests. The directive, issued by the U.S. Food and Drug Administration, requires that the Centers for Disease Control and Prevention, a sister agency, retest every positive coronavirus test run by a public health lab to confirm its accuracy. The result, experts say, is wasting limited resources at a time when thousands of Americans are waiting in line to get tested for COVID-19." That would depend on what experts — usually, double testing or split sampling is essential to ensure accurate test results.

ALSO — Canadian research team [claims it has isolated the COVID-19 virus](#). "A team of researchers from Sunnybrook, McMaster University and the University of Toronto has isolated severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2), the agent responsible for the ongoing outbreak of COVID-19. Thanks to nimble collaboration, the team was able to culture the virus from two clinical specimens in a Level 3 containment facility."

"There in Toronto they did not isolate and purify anything; no purified concentrate of natural and actual intact viral virion from human host. They only have BALF immortalized (pure poison and viral enrichers) to be redistributed to other laboratories. Then they 'crumbled' the RNA in the BALF in a broth of RNA of all types, and they sequenced it in RT-q-PCR...No true viral 'purified isolate'. That is why they will never answer you." [db] [[iap](#)] No part of the sequence has ever been shown to come from a coronavirus.

ALSO — Dr. Tom Cowan debut — he publishes his unexpected, unplanned first video, of comments he gave after a talk in March 2020. [Here is a copy from Bitchute](#). According to one comment we found, "Cowan's viral theory on 5G and the spread of coronavirus was recorded earlier this month in Tucson, Ariz., at a conference put on by a group called the Humans for Humanity Coalition. That event was also attended by people opposed to vaccines, including discredited researcher Andrew Wakefield, whose study linking the MMR shot to autism in children was retracted in 2010. "

March 13, 2020 — At 3:33 in the afternoon, with the Moon in Scorpio and five planets in Capricorn, Trump declares a national emergency. [See chart](#).

March 13, 2020 — [As the Worm Turns](#) by Eric F. Coppelino published by Planet Waves. The article quotes Eric McLuhan:

"At electric speeds, we, not messages, are sent. It is an old observation that on the phone or on the air you are in more than one place at a time, minus the physical body that you once used to define identity. The cybernaut abandons his

body and physical identity and self (including gender) whenever he embarks on each trek into cyberspace. The conditions for disorientation are complete: out of body, out of time, out of space."

March 14, 2020 — Just one day after the declaration of an emergency, the Department of Health and Human Services creates a special covid vaccine court. This is [reported in the Federal Register](#), and [covered by Jon Rappoport](#) on Sept. 21, 2020. Not a single person has died in the United States; there is no notable illness — but they are ready just like that, a day after the declaration of an emergency, with a "Countermeasures Injury Compensation Program."

"Countermeasures Injury Compensation Program...Section 319F-4 of the PHS Act, 42 U.S.C. 247d-6e, authorizes the Countermeasures Injury Compensation Program (CICP) to provide benefits to eligible individuals who sustain a serious physical injury or die as a direct result of the administration or use of a Covered [COVID] Countermeasure [e.g., a vaccine]. Compensation under the CICP for an injury directly caused by a Covered Countermeasure is based on the requirements set forth in this Declaration, the administrative rules for the Program, and the statute. To show direct causation between a Covered Countermeasure and a serious physical injury, the statute requires 'compelling, reliable, valid, medical and scientific evidence.' The administrative rules for the Program further explain the necessary requirements for eligibility under the CICP..."

March 15, 2020 — New York City Mayor Bill DeBlasio says that city schools will close, elective surgeries will be canceled, and that five people are dead in New York City allegedly due to covid. [See video](#).

March 16, 2020 — Neil Ferguson of the Imperial College in the U.K., whose work is funded by the Bill and Melinda Gates Foundation, [predicts that 82% of the American population will be "infected" with SARS-CoV-2 and that up to 3% will die](#).

This widely-reported sensational prediction is off by several orders of magnitude; the admitted, actual death rate under the virus scenario was a fraction of a percentage point, similar to seasonal flu, and in the high 90th percentile of "cases" are "asymptomatic," i.e., if there is a virus, they are immune. Ferguson, who is infamous for this kind of overstatement in his projections, assumes a RO of 2.4, meaning that every "infected" person will convey the virus to 2.4 other people.

The predicted result will be more than 2.2 million (presumably previously healthy people) dead in the United States and 510,000 deaths in the U.K. (if mitigation measures are not imposed, so this served as a successful advertisement for the lockdowns). These numbers were parroted the next day by Angela Merkel, the chancellor of Germany. [[hponline](#) links to other sources]. Here is an analysis of Ferguson's [past failures of statistical modeling](#).

[Check link via Gates and WEF Young Global Leaders. In October 2019, Fauci and several other panelists at the Milken Institute said in a C-Span broadcast that they intended to rebrand the flu and make it seem as bad as cancer and AIDS.](#)

Also — The *Brooklyn Eagle* reports that the New York State Unified Court System, which administrates criminal and civil courts in New York State's 57 counties, [is](#)

[shutting down for the first time in its history](#), leading the way for similar shutdowns across the United States. [\[See official memo\]](#) This is a mere seven weeks after the announcement that a virus allegedly exists — in China.

The state court system has suspended all eviction orders and postponed “non-essential” court functions until further notice as New Yorkers contend with the unprecedented COVID-19 coronavirus emergency.

Ongoing criminal and civil trials will continue to their conclusion, but the courts will not commence any new trials and all staff should stay home unless “expressly notified” to come to work by their supervisors, the state’s chief administrative judge wrote in a memo to Unified Court System personnel Sunday.

“These initiatives are part of our continuing and evolving efforts to assure the operation of the courts in the safest possible manner for the public and our employees in this time of medical emergency,” said Chief Administrative Judge Lawrence Marks in the memo to 17,000 court employees Sunday.

Criminal court arraignments will be conducted via video in New York City, but many defendants will be immediately released. “Felony matters wherein the defendant is not in custody” will be adjourned until further notice, Marks wrote.

The state designated two New York City courts — the Red Hook Community Court and the Midtown Community Court — for defendants “believed to be at medical risk related to the coronavirus.

“Judges will exercise judicial discretion in a manner designed to minimize court appearances and traffic in the courts,” Marks said

Housing Court will continue to operate to address pressing issues facing tenants, like landlord lockouts, major housing code violations and repair orders.

March 17, 2020 — [The Hill reports](#) on the PCR test crisis:

Trump administration health officials on Tuesday defended the pace of diagnostic testing for the novel coronavirus while pushing back on criticism that the U.S. rejected a test from the World Health Organization (WHO).

The federal government has been criticized for not at least temporarily using the WHO test until the Centers for Disease Control and Prevention (CDC) created its own. While officials have acknowledged there are still not enough tests to meet demand, they denied refusing other tests.

"No one ever offered a test that we refused," said Adm. Brett Giroir, assistant secretary for health at the Department of Health and Human Services. "This was a research-grade test that was not approved, not submitted to the FDA [Food and Drug Administration] ... there was a small number that we have greatly surpassed in a very short period of time."

The WHO test, which adopted a German test as its model, was developed soon after Chinese researchers publicly posted the genome of the coronavirus in January. It shipped millions of tests to countries around the

world, but generally only those without the capability to develop their own.
[[The Hill, March 17](#)]

ALSO — [France imposed a nationwide lockdown](#).

March 18, 2020 — The [Families First Coronavirus Response Act](#) is signed into law by Pres. Trump.

ALSO — Dr. Sona Pekova, a Czech medical doctor, molecular biologist, and geneticist with an [extensive research portfolio](#). In an interview with [TV channel T3](#), Dr. Pekova states that the genome sequence of SARS CoV-2 (COVID-19) is unlikely to be natural, and its characteristics suggest it was genetically engineered. Dr. Pekova is the head of the research team at [Tilia Laboratories](#), that has developed a more efficient, faster, and less expensive test to detect SARS CoV-2 (COVID-19). The laboratory has offered the test methodology to labs around the world for free. [See video here](#). See [comment here](#). See [April 15, 2020 edition of Covid19 News](#).

ALSO — New York's Gov. Andrew Cuomo orders business [to keep at least half of employees at home](#). This applies to what area termed "nonessential businesses." The news media are considered essential so that they may continue to spread the word about the claimed crisis.

As of this day, 1,330 New Yorkers have tested PCR-positive for the alleged virus, an increase of 525 over the previous day. They are being said to "have the coronavirus" even though this is merely a result from the PCR, a device that is known to produce 100% false positives and that its FDA Emergency Use Authorization (EUA) says cannot diagnose a disease. Still, these are being called "confirmed cases," even though they are nearly all "asymptomatic," meaning the patient is either immune or not infected, even if a virus exists. *The New York Times* will later report (in late August) that the official state lab admits these are 90% false positives.

March 19, 2020 — First public disclosure of Operation Crimson Contagion, a pandemic exercise drill that spanned from January through August 2019. [See the final report](#), published in October 2019. The operation breaks the surface of the news for the first time on [March 19, 2020 in a New York Times article](#) that says:

The draft report, marked "not to be disclosed," laid out in stark detail repeated cases of "confusion" in the exercise. Federal agencies jockeyed over who was in charge. State officials and hospitals struggled to figure out what kind of equipment was stockpiled or available. Cities and states went their own ways on school closings.

March 20, 2020 — *The Wall St. Journal* publishes an editorial — not an op-ed or opinion piece [but an official editorial](#) — arguing that locking down society to stop the spread of a virus is a bad idea.

The costs of this national shutdown are growing by the hour, and we don't mean federal spending. We mean a tsunami of economic destruction that will cause tens of millions to lose their jobs as commerce and production simply cease.

Many large companies can withstand a few weeks without revenue but that isn't true of millions of small and mid-sized firms.

Even cash-rich businesses operate on a thin margin and can bleed through reserves in a month. First they will lay off employees and then out of necessity they will shut down. Another month like this week and the layoffs will be measured in millions of people.

March 21, 2020 — Politico reports that the Justice Department of the Trump Administration has "quietly" asked Congress for the ability to ask chief judges to detain people indefinitely without trial during emergencies — part of a push for new "emergency" powers that comes as the coronavirus is claimed to spread throughout the United States.

ALSO Dr. Deborah Birx, the White House coronavirus coordinator, says that over 90% of people are testing negative for the virus (it is actually far less), but despite this are told they *may* have covid, or some other infectious disease – and should wear a mask at home, and self-quarantine at home — even if they test negative.

They are made to feel concerned that negative may not mean negative, and that there may be some other unnamed, undocumented infectious disease involved. There is no scientific basis for this official position on the part of the White House. Events of early 2020 are not supposed to be a general panic over infectious diseases, but rather a pandemic of a *specific novel virus*.

She says that children are the greatest potential risk for asymptomatic spread with no scientific backing to her theory. It has been demonstrated by this point that children are at extremely low risk of disease under a virus scenario.

***NOTE** — Even those who are perfectly healthy are told that they may be sick. This "may be" is technically correct, since anyone could, potentially, have a disease; it is by this time common knowledge that the PCR cannot diagnose, confirm or deny infection, according to its emergency use authorization by the FDA.*

March 22, 2020 — In Italy, factories are closed and all nonessential production is halted (59,138 PCR positives in Italy as of this date).

March 24, 2020 — CDC issues an official guidance memo titled "CDC Alert 2" changing the rules for reporting deaths, suspending previous guidelines for the first time in 17 years, allowing many causes of mortality to be counted as "COVID-19" as the underlying cause.

In reality within a few weeks, 94% of deaths will be shown by CDC data to have average four additional serious underlying causes of mortality. This is further confirmed in April 2022 by a death certificate study out of Minnesota, originally commissioned by state Sen. Scott Jensen, MD, which concludes that only 2.67% of death certificates are for "covid only" and more than half of claimed "covid" deaths are in people who have on average four serious diseases, also called "comorbidities."

This is again confirmed by the CDC [in a Jan. 10, 2022 report](#). This argues for the possibility that many most or all claimed "covid deaths" are a statistical maneuver — essentially moving the same deaths that would have happened into the covid column.

As you can see from the CDC guidance memo, no facts, no positive test, and no pathology report are necessary to claim a death is "caused" by covid. In the agency's own language, assumptions are OK. These assumptions are being used to place nearly all of civilization under house arrest.

The CDC death certificate reporting memo guidance says:

Should "COVID-19" be reported on the death certificate only with a confirmed test?

COVID-19 should be reported on the death certificate for all decedents where the disease caused or is **assumed to have caused or contributed to death** [bold emphasis is in the original].

Commenting on this guidance, [Children's Health Defense reports](#) that had the old guidelines been followed, "COVID-19" claimed mortality would be 90.2% lower. They write, "On March 24, the CDC decided to ignore universal data collection and reporting guidelines for fatalities in favor of adopting new guidelines unique to COVID-19. The guidelines the CDC decided against using have been used successfully since 2003." This is the first surfacing of the "dying of" versus "dying with" conversation that pushes "covid" to the fireground.

March 25, 2020 — [The Washington Post reports](#) that hospitals are considering blanket "do not resuscitate" (DNR) orders for covid patients. The Bezos-owned newspaper reports:

"The conversations are driven by the realization that the risk to staff amid dwindling stores of protective equipment — such as masks, gowns and gloves — may be too great to justify the conventional response when a patient 'codes', and their heart or breathing stops. Northwestern Memorial Hospital in Chicago has been discussing a do-not-resuscitate policy for infected patients, regardless of the wishes of the patient or their family members — a wrenching decision to prioritize the lives of the many over the one."

March 27, 2020 — The Coronavirus Aid, Relief, and Economic Security Act, also known as the [CARES Act](#), is a \$2.2 trillion economic stimulus bill passed by the 116th U.S. Congress and signed into law by President Donald Trump. A basic definition from Wikipedia:

The original CARES Act proposal included \$500 billion in direct payments to Americans, \$208 billion in loans to major industry, and \$300 billion in [Small Business Administration](#) loans.^{[7][8]} As a result of bipartisan negotiations, the bill grew to \$2 trillion in the version unanimously passed by the [Senate](#) on March 25, 2020.^{[9][10]} It was passed by the [House](#) via [voice vote](#) the next day, and was signed into law by President Donald Trump on March 27. It was originally introduced in the U.S. Congress on January 24, 2019, as [H.R. 748](#) (Middle Class Health Benefits Tax Repeal Act of 2019).^[a] To comply with the

[Origination Clause](#) of the [Constitution](#),^[11] the Senate then used H.R. 748 as a [shell bill](#) for the CARES Act,^[12] changing the content of the bill and renaming it before passing it.^[13]

Unprecedented in size and scope,^[9] the legislation was the largest economic stimulus package in U.S. history,^[14] amounting to 10% of total U.S. gross domestic product.^[15] The bill is much larger than the \$831 billion [stimulus act](#) passed in 2009 as part of the response to the [Great Recession](#).^[15] The [Congressional Budget Office](#) estimates that it will add \$1.7 trillion to the deficits over the 2020–2030 period, with nearly all the impact in 2020 and 2021.^[16]

ALSO — The *Brooklyn Eagle* reports that the Marriott Brooklyn Bridge Hotel and the Brooklyn Center Nursing Home [are being considered as field hospitals](#), in addition to the nearly-complete Javits Center.

Following up on this story three days later, [The Archpaper reported](#):

"Late last week, New York Governor Andrew Cuomo announced that the Army Corps, pending approval from the White House, will also convert four other facilities with considerable square footage into field hospitals: The Aqueduct Racetrack in Queens, the New York Expo Center in Bronx, CUNY Staten Island, and the Brooklyn Cruise Terminal in Red Hook. These four facilities will have the capacity for a combined 4,000 additional hospital beds as even more sites, including the Brooklyn Center Nursing Home and a Marriott hotel in downtown Brooklyn, are considered by state health officials as having overflow-need potential according to the *Brooklyn Daily Eagle*."

From these reports, it is difficult not to think there is a serious problem — though none of these facilities are ever used.

More from the [March 27, 2020 Brooklyn Eagle](#), for posterity and to give a sense of the mental atmosphere at the time:

In addition, Cuomo said that the state is looking at the Marriott Brooklyn Bridge Hotel and the Brooklyn Center Nursing Home as additional possible backup hospital facilities.

The city's hospitals are reaching capacity, Cuomo said. "That's what we've been saying, that's what we've been planning for and that's why we're here."

Cuomo said that New York will need 140,000 hospital beds, but currently has only 53,000, not counting the new beds at Javits. The state has ordered hospitals to attempt to double their capacity. Crucially, Cuomo said that the state will need 40,000 ICU beds equipped with ventilators. The state currently has only about 3,000 ICU beds.

In picking sites "you need a large open space with power, HVAC, a staging area" and other requirements, Cuomo said. "We looked at ten sites, got them down to a shortlist, went with the Army Corp of Engineers, and we came up to these four. I'm going to send these to the president for approval. That's four thousand from the federal government, for temporary hospital beds."

When asked about President Trump's statement that he doubted that New York

really needed 30-40,000 ICU beds and that the risk of COVID-19 was overblown, Cuomo replied, "I don't operate on opinions, I make the decisions based on the data and the science. I hope we don't need the ventilators. I hope some 'weather change' comes and kills the virus overnight. But that's just my opinion, and I have to operate on facts."

Cuomo thanked the National Guard members at Javits, who have labored all week to construct the temporary site.

"You are living a moment in history. This is a moment they are going to write about and talk about for generations … This is a moment that will change character. And ten years from now you'll be talking about today with your children and grandchildren, and you will shed a tear when you remember the ones lost … But you will also be proud of what you did. You'll be proud that you showed up when other people played it safe," Cuomo said.

He added, "I say we go out there today and we kick coronavirus ass!"

ALSO — A Defense Intelligence Agency assessment on the origin of the coronavirus is [updated](#) to include the possibility that the new coronavirus emerged "accidentally" due to "unsafe laboratory practices." [[wapo](#)] [[gof](#)]

March 29, 2020 — Fauci warns that the U.S. death toll could reach to 200,000 and that the claimed virus [could kill millions](#). "We're going to have millions of cases," Dr. Fauci said on CNN's State of the Union program. He said infection rates would begin rising outside of New York soon. "We have a very difficult problem here," he said. "We're going to see places like Detroit and other cities starting to get into trouble."

March 30, 2020 — Investigative reporter Jon Rappoport publishes the article, [Corona: creating the illusion of a pandemic through diagnostic tests](#). He writes,

From "CDC 2019-Novel Coronavirus (2019-nCoV) Real-Time RT-PCR Diagnostic Panel" [1]:

"Detection of viral RNA may not indicate the presence of infectious virus or that 2019-nCoV is the causative agent for clinical symptoms."

Translation: A positive test doesn't guarantee that the COVID virus is causing infection at all. And, ahem, reading between the lines, maybe the COVID virus might not be in the patient's body at all, either.

From the World Health Organization (WHO): "Coronavirus disease (COVID-19) technical guidance: Laboratory testing for 2019-nCoV in humans" [2]:

"Several assays that detect the 2019-nCoV have been and are currently under development, both in-house and commercially. Some assays may detect only the novel virus [COVID] and some may also detect other strains (e.g. SARS-CoV) that are genetically similar."

ALSO — USNS *Comfort*, on loan from the Navy's 2nd Fleet, [arrives in New York City](#) to great acclaim, with its 500 hospital beds, with 100 intensive care beds with ventilators, and 100 operating rooms. The plan is for non-covid patients to be

treated aboard the vessel, and for land-based hospitals to treat covid patients. It is not used, and leaves one month later.

[The Bulletin of the Atomic Sciences](#) says that "Experts know the new coronavirus is not a bioweapon. They disagree on whether it could have leaked from a research lab.

[USA Today reports](#) that there are eight strains of SARS-CoV-2 roaming the planet. This may be the first public reference to the "variant" issue — way back in March 2020.

Andrew McLuhan publishes his prescient article, [COVID-19 as World War](#). "Where COVID-19 is a suitable subject for media study, is that regardless of its origin, it has quickly had the effect that a major human technology does, impacting and reorganizing human activity of all kinds with corresponding societal, psychological and sensorial impact and response from us."

Also — Transformation of New York's Javits Center [into a 1,200 bed field hospital](#) is complete. The [Army Corps of Engineers](#), along with civilian staff and members of the New York National Guard, executed the dramatic transformation of the Javits Center from a normally bustling venue for trade shows and conventions to a fully equipped overflow medical facility in just one week.

March 31, 2020 — Dr. Cameron Kyle-Sidell of Manhattan, an internist and emergency medical physician, shifts the "covid" narrative when he [issues a video reporting on his experiences treating patients](#). "I am a physician who has been working at the bedside of COVID+ patients in NYC. I believe we are treating the wrong disease and that we must change what we are doing if we want to save as many lives as possible. I welcome any feedback, especially from those bedside: doctors, nurses, x-ray techs..." He becomes one of the first medical celebrities of the covid-era. On April 10 he gives [this interview on WebMD](#).

Events of April 2020 | [April Source Material](#)

April 2020 — The United States is in the grip of a (retail) toilet paper shortage, said to be based on panic-buying and supply chain disruption. *The Washington Post* [wrote in its coverage](#), "When the history of [the coronavirus pandemic](#) is written, [the vanishing of toilet paper](#) might rank as just a footnote in an otherwise dark and frightening account. But it might be a very long, complex and even wise footnote, because toilet paper — or rather, the lack of it — turns out to reveal a great deal about who we are and how we behave in a crisis."

And from [USA Today](#): At issue was the amount of toilet paper being purchased. After feeling threatened by the other customer's aggressive behavior, the toilet paper buyer displayed a gun in self-defense. "It escalated almost to the point of a physical confrontation," Atlantic Iowa police Lt. Devin Hogue told USA TODAY.

April 2, 2020 — On April 2, a wireless tower was set ablaze in Birmingham. The next day, a fire was reported at 10 p.m. at a telecommunications box in Liverpool. An hour later, an emergency call came in about another cell tower in Liverpool that was going up in flames.

April 3, 2020 — Trump emphasized that the new masking guidance was voluntary, and said that he himself would not follow them.^[6] When asked about his stance by a reporter, he explained that "somehow sitting in the [Oval Office](#) behind that beautiful [Resolute desk](#), the great *Resolute* desk, I think, and wearing a face mask as I greet presidents, prime ministers, dictators, kings, queens, [...] I just don't see it for myself." Not wearing a mask falsely becomes a sign of supporting Trump.

April 4, 2020 — *The New York Times* reported that half the world — about 4.4 billion people — is under a stay-at-home order. A month later, New York State reports that 66% of all "covid" hospital admissions were from people who followed the order and stayed home. So it does not seem to work too good.

CDC recommends that Americans all wear cloth masks in public.

The Daily Mail in England reports that the lab-leak theory of where the claimed virus came from "[is no longer being discounted](#)." This controversy never goes away, particularly after it is made public that the United States, under the direction of Anthony Fauci, funded gain of function work through EcoHealth Alliance and the Wuhan Institute of Virology.

ALSO — JUPITER CONJUNCT PLUTO #1 OF 3 [astr]

April 5, 2020 — Virus visualizer Bobby Malhotra publishes a video showing how it is possible to [edit a virus using Mmaya PDB file](#). Big hit on YouTube!

April 6, 2020 — Following up on Dr. Cameron Kyle-Sidell, [The Hospitalist website asks](#), "Is protocol-driven COVID-19 respiratory therapy doing more harm than good?" The question surrounds the use of induced comas and ventilation of "covid" patients, most of whom walked into the hospital under their own power. Later statistics reveal that more than 90% of vented patients die under treatment.

Physicians in the COVID-19 trenches are beginning to question whether standard respiratory therapy protocols for acute respiratory distress syndrome (ARDS) are the best approach for treating patients with COVID-19 pneumonia.

At issue is the standard use of ventilators for a virus whose presentation has not followed the standard for ARDS, but is looking more like high-altitude pulmonary edema (HAPE) in some patients.

In a letter to the editor published in the *American Journal of Respiratory and Critical Care Medicine* on March 30, and in an editorial accepted for publication in *Intensive Care Medicine*, Luciano Gattinoni, MD, of the Medical University of Göttingen in Germany and colleagues make the case that protocol-driven ventilator use for patients with COVID-19 could be doing more harm than good.

April 7, 2020 — Celia Farber publishes [Was the COVID-19 test meant to detect a virus?](#) in *Undercover DC*. The article includes introductions to PCR inventor Kary Mullis (making his first covid cameo), and *Infectious Myth* host David Crowe, plus some relevant HIV/AIDS history which is important background to 2020.

"In one paper," Crowe says, "I found 37 cycles. If you didn't get enough fluorescence by 37 cycles, you are considered negative. In another, paper, the cutoff was 36. Thirty-seven to 40 were considered 'indeterminate'. And if you got in that range, then you did more testing. I've only seen two papers that described what the limit was. So, it's quite possible that different hospitals, different states, Canada versus the U.S., Italy versus France, are all using different cutoff sensitivity standards of the covid test. So, if you cut off at 20, everybody would be negative. If you cut off a 50, you might have everybody positive."

This seems to be the first public reference to what becomes known as the cycle threshold (Ct) issue in relationship to covid. It turns out that New York is using 45 cycles, very close to the "all positive" level of sensitivity. The Ct of any test or jurisdiction is not openly reported, and as Crowe notes, they all vary.

ALSO — [WebMD publishes reports of doctors puzzled by lung problems attributed to "covid-19."](#) This follows up the report of Dr. Cameron Kyle-Sidell that he thinks doctors are treating the wrong disease.

April 7, 2020 — As doctors treat more patients who are severely ill from COVID-19, they're noticing differences in how their lungs are damaged.

Some patients coming to the hospital have very low oxygen levels in their

blood, but you wouldn't necessarily know it from talking to them. They don't seem starved of oxygen. They may be a little confused. But they aren't struggling to breathe.

When doctors take pictures of their lungs -- either with a CT scanner or an X-ray machine -- those also look fairly healthy. The lungs may have a few areas of cloudiness and crazing, indicating spots of damage from their infection, but most of the lung is black, indicating that it is filled with air.

The article contains many warnings of the problems that Dr. Kyle-Sidell reported.

In an interview with MDEdge, Gattinoni said one center in central Europe that had begun using different treatments for different types of COVID-19 patients had not seen any deaths among those patients in its intensive care unit. He said a nearby hospital that was treating all COVID-19 patients based on the same set of instructions had a 60% death rate in its ICU.

"This is a kind of disease in which you don't have to follow the protocol -- you have to follow the physiology," Gattinoni said. "Unfortunately, many, many doctors around the world cannot think outside the protocol."

Other experts agree.

"If you over-distend somebody's lung on mechanical ventilation, you essentially generate more ARDS. You make the lung leaky," Bull says.

April 9, 2020 — Supporters of medical staff around the world make a lot of noise at 7 pm local time wherever they are. Planet Waves reporter Victoria Emory, who lives on the northern tip of Manhattan, writes to her colleagues via email:

The 7 pm, clapping, shouting, trumpet blowing (one guy in my neighborhood) and pots and pans banging to acknowledge the healthcare workers in NYC is very moving. A collective, invisible bonding. And an interesting time marker, in a time without time. And today, in NY, landmarks around the state were lit with blue light in honor of them. Photos below."

April 10, 2020 — [The New York Times reports](#) on 30 acts of arson and vandalism directed at wireless towers and telecom gear within one month. "The incidents starkly demonstrate how [coronavirus conspiracy theories](#) have taken a dark turn by spilling out into the real world. In just a few weeks, the pandemic has given pre-existing fringe ideas online new urgency by playing on people's fears."

April 11, 2020 — Over 550 crew members aboard the USS Theodore Roosevelt [test PCR positive](#) for coronavirus.

April 14, 2020 — President [Trump stops U.S. funding of the W.H.O.](#)

ALSO — David Crowe hosts Stephen Bustin on his program *The Infectious Myth*. [Chiron Return has prepared a transcription of the program](#). Bustin is considered a world leader in his understanding of PCR technology. This is by far his most candid interview. In later interviews, including on Planet Waves FM, Bustin tends to obscure key issues such as the reverse transcriptase phase of RT-PCR technology, which is where most of the problems enter the equation.

On this program, Bustin says that when a PCR result is positive at 35 cycles, it found and amplified *only one molecule of the targeted genome*. Most PCRs for SARS-CoV-2 *run at 37 to 45 cycles, meaning that they are getting nearly all false positives*, as was proven possible by the CDC in 2007 and later [documented by The New York Times in August 2020](#). I interviewed Bustin in February 2021. [Here is the audio](#) and [here is the transcript](#).

April 15, 2020 — Knowing the "covid test" is not valid, and with no medical evidence to support his action, New York's Gov. Andrew Cuomo [orders all 19.5 New Yorkers to cover their faces](#), claiming it will stop the spread of the virus. This is the infamous [Executive Order 202.17](#). The order contains a medical exemption right in hits language:

Effective at 8 p.m. on Friday, April 17, 2020 any individual who is over age two and able to medically tolerate a face-covering shall be required to cover their nose and mouth with a mask or cloth face-covering when in a public place and unable to maintain, or when not maintaining, social distance.

"Stopping the spread is everything," Mr. Cuomo said during his daily briefing in Albany. "How can you not wear a mask when you're going to come close to a person?" The previous week, New Jersey's Gov. Philip D Murphy issued a similar order.

On Dec. 15, 2020, the New York State Department of Health (NYS DOH), which serves as a reference for other states and countries around the world, admitted in response to a Freedom of Information Law (FOIL) request that it did not have a single study on the effectiveness of masks at stopping their spread of disease, or the safety of those who wear them. [See article here](#); lower section, "Sorry, No Science."

RFJ Jr. quote on Instagram:

"It erodes popular faith in democracy when public officials insist that their arbitrary policies are 'science based' and yet cannot produce a single study to support sweeping mandates," said Robert F. Kennedy, Jr., in response to this disclosure. "This letter illustrates the hazard of abandoning due process," he added, in reference to the state's reply to the FOIL request (which was filed by investigative reporter William Huston).

ALSO — Lab escape theory goes mainstream with coverage in [The New York Post](#).

April 16, 2020 — Chomo issues [Executive Order 202.18](#).

Any person utilizing public or private transportation carriers or other for -hire vehicles, who is over age two and able to medically tolerate a face covering, shall wear a mask or face covering over the nose and mouth during any such trip; any person who is operating such public or private transport, shall likewise wear a face covering or mask which covers the nose and mouth while there are any passengers in such vehicle. This directive shall take effect in the same manner as Executive Order 202.17, at 8 p.m. on Friday, April 17, 2020.

April 17, 2020 — At a news conference, Pres. Trump said he had given instructions to check if any U.S. funding was slated for the Wuhan Institute of Virology, and if so, he said, it would immediately be terminated. [\[NPR\]](#)

April 20, 2020 — Biochemist David Rasnick appears on [The Infectious Myth program](#) hosted by David Crowe. Rasnick, involved with the group Rethinking AIDS, emerges as a scientific and ideological leader of the covid truth movement.

ALSO — Greenmedinfo publishes article by Joy Fritz, a former death reporting clerk in the Los Angeles area, called "[Systematically Flawed Mortality Statistics Should Not Be Guiding Science, Medicine or Public Policy](#)." Fritz first went public in a Facebook video on her Untrivial Pursuit page, which called out the use of death certificates as being vaguely meaningful. This corroborated what I was told by John Cumming, longtime life insurance actuary, early in the crisis: do not trust death certificates to get the cause of death right. [Here is a video by Joy from Sept. 3, 2020](#).

April 21, 2020 — The price of US oil has turned negative for the first time in history. From [Fast Company](#): "What has happened this month is there appears to be no buyers for the May contract, which expires on Tuesday, April 21. Prices collapsed from about \$18/barrel on April 17 to -\$37.63/barrel because traders could not find a refiner or storage tank with capacity to take delivery. If you have 100 sellers and only a handful of buyers, prices will fall."

From [BBC](#): "That means oil producers are paying buyers to take the commodity off their hands over fears that storage capacity could run out in May. Demand for oil has all but dried up as lockdowns across the world have kept people inside. As a result, oil firms have resorted to renting tankers to store the surplus supply and that has forced the price of US oil into negative territory. The price of a barrel of West Texas Intermediate (WTI), the benchmark for US oil, fell as low as minus \$37.63 a barrel."

ALSO — Chinese scientists claim that there are 30 different strains of the coronavirus. [See Jerusalem Post article](#). On Dec. 11, 2019, however, there were said to have been 200 strains. So what happened to the other 170? Meanwhile, one in three Massachusetts residents are [said to have antibodies to the virus](#), suggesting that a third of the population was already infected with a virus that had not been found and still has not been found.

April 22, 2020 — A national survey by the Associated Press [shows that the vast majority of Americans do not want mitigations to end](#). Here is the original, with lots of cool graphs demonstrating that Americans are convinced that the threat is real and that the government's measures are helping. According to the survey, a mere 12% say government measures have gone too far. Here is some of AP's report on its own survey:

WASHINGTON (AP) — Americans remain overwhelmingly in favor of stay-at-home orders and other efforts to slow the spread of the coronavirus, a new survey finds, even as small pockets of attention-grabbing protests demanding the lifting of such restrictions emerge nationwide.

The survey from The Associated Press-NORC Center for Public Affairs Research also finds that a majority of Americans say it won't be safe to lift social distancing guidelines anytime soon, running counter to the choice of a handful of governors who have announced plans to ease within days the public health efforts that have upended daily life and roiled the global economy.

More than a month after schoolyards fell silent, restaurant tables and bar stools emptied, and waves from a safe distance replaced hugs and handshakes, the country largely believes restrictions on social interaction to curb the spread of the virus are appropriate.

Only 12% of Americans say the measures where they live go too far. About twice as many people, 26%, believe the limits don't go far enough. The majority of Americans — 61% — feel the steps taken by government officials to prevent infections of COVID-19 in their area are about right.

April 23, 2020 — CDC warns of much worse second wave coming. "President Trump still seems to have a good feeling about the prospects of the coronavirus suddenly dematerializing. But the director of the CDC, Robert Redfield, warned on April 21 that a second wave of the virus could potentially be more deadly than the first. The same day, Gov. Cuomo of New York says that 21% of New Yorkers already have antibodies for the coronavirus-based on a random study of people from the five boroughs of New York City.

Johnson & Johnson and the U.S. government reach a one-billion-dollar deal to make a vaccine, in a market that is said at the time to be worth \$35 billion in sales.

April 24, 2020 - April 24 — The Federal Drug Administration [warns](#) against the use of hydroxychloroquine, an anti-malarial drug touted by President Trump as a coronavirus treatment.

ALSO — Under pressure from the White House, the National Institutes of Health [terminates](#) the grant to EcoHealth Alliance that funded study of bat coronaviruses at WIV. [[wapo](#)] [[gof](#)]

April 27, 2020 — [The Washington Post reports](#) an unusually high all-causes death count for year to date, without a hint that there could be some specific cause besides covid, rather than mysterious general causes or results of the lockdowns: "In the early weeks of the coronavirus epidemic, the United States recorded an estimated 15,400 excess deaths, nearly two times as many as were publicly attributed to covid-19 at the time, according to an analysis of federal data conducted for *The Washington Post* by a research team led by the Yale School of Public Health. This is later refuted when total all-cause mortality for 2020 is found to be unusually low, even with covid included. "The excess deaths — the number beyond what would normally be expected for that time of year — occurred during March and through April 4, a time when 8,128 coronavirus deaths were reported.

"The excess deaths are not necessarily attributable directly to covid-19, the disease caused by the coronavirus. They could include people who died because of the

epidemic but not from the disease, such as those who were afraid to seek medical treatment for unrelated illnesses, as well as some number of deaths that are part of the ordinary variation in the death rate. The count is also affected by increases or decreases in other categories of deaths, such as suicides, homicides and motor vehicle accidents."

April 27, 2020 — Luc Montagnier, who shared the Nobel Prize for his discovery of the HIV virus, says that the coronavirus was made in a lab. Montagnier also pointed out that he wasn't the first scientist to assert that the coronavirus was created in a laboratory. Previously, on 31 January 2020, a research group from India had published a paper suggesting that aspects of the virus bore an "uncanny similarity" to HIV. Taken together, the researchers said their findings suggested the virus had an "unconventional evolution" and that further investigation was warranted. While the researchers subsequently retracted their paper, Montagnier said they had been "forced" to do so. [Here is coverage.](#)

April 28, 2020 — Kevin Corbett, Ph.D., an historian of diagnostic assays from the HIV/AIDS era, [receives the first of what will become 170 official public records request responses](#), admitting that SARS-CoV-2 has not been isolated and that the RT-PCR assay has been primed with "synthetic transcripts."

This term means "made up virus." It also goes by the terms "[in silico sequence](#)," "theoretical sequence," "mimicked human specimen," "synthetic nucleic acid technology," or "[contrived virus](#)" in the terms of various agencies and authors of PCR tests, including the WHO and the CDC.

Dr. Thomas Melendy, a virologist at SUNY-Buffalo, said in a July 2020 Planet Waves interview that the virus was being assembled genomically "like pages from a book" because whole virion was not available. That is what he meant — contrived, *in silico*, etc. See entry from Dec. 11, 2019 for a discussion of how this is done.

Requests for records pointing to the existence of the actual virus from a patient sample became a worldwide effort coordinated by Christine Massey, whose ongoing research demonstrates that not one single government or institution can point to scientific documentation of the existence of SARS-CoV-2 from a patient sample. As of this publication in mid-2022, 170 governments have admitted they have no record of a sample of the virus from an actual patient. See [Planet Waves coverage](#). Hear [interview with Christine Massey](#) on PWFM.

April 29, 2020 — The National Institutes of Health, or NIH — which was providing the grant for the GOF project in Wuhan— notified EcoHealth Alliance that the money was being canceled, as first reported by *Politico*. [\[NPR\]](#)

ALSO — Philadelphia shuts down its "surge hospital," which had been set up at Temple University.

April 29, 2020 — The United States reaches 1 million PCR positive results.

ALSO — In the midst of a claimed pandemic, the Pentagon for the first time released three videos of footage they say are authentic images of UFOs, or what

are now called "unidentified areal phenomena." In October, the film [The Phenomenon](#) directed by James Fox will be released, confirming many examples of UFOs, UAOs and close encounters.

[CNN reported:](#)

The Pentagon has officially released three short videos showing "unidentified aerial phenomena" that had previously been released by a private company.

The videos show what appear to be unidentified flying objects rapidly moving while recorded by infrared cameras. Two of the videos contain service members reacting in awe at how quickly the objects are moving. One voice speculates that it could be a drone.

The Navy previously acknowledged the veracity of the videos in September of last year. They are officially releasing them now, "in order to clear up any misconceptions by the public on whether or not the footage that has been circulating was real, or whether or not there is more to the videos," according to Pentagon spokesperson Sue Gough.

April 30, 2020 — USNS *Comfort* steams out of New York Harbor, the hospital ship having never been used. Nor was the Javits Center used as a hospital, nor were SUNY and CUNY dormitories used to take care of patients. The expected crisis never grew to those proportions, and by April 30 is essentially over.

ALSO — Los Angeles offers [free "coronavirus" testing for all city residents](#) — the first municipality to do so.

ALSO — In [a rare statement](#), the Office of the Director of National Intelligence says: "The Intelligence Community also concurs with the wide scientific consensus that the COVID-19 virus was not manmade or genetically modified....The IC will continue to rigorously examine emerging information and intelligence to determine whether the outbreak began through contact with infected animals or if it was the result of an accident at a laboratory in Wuhan." [[wapo](#)] [gof]

ALSO — [Bill Gates declares](#) that the world can go back to normal "when almost every person on the planet has been vaccinated against coronavirus." He goes over all the protocols to ensure safety, all of which will be skipped, or the dangers ignored.

One of the questions I get asked the most these days is when the world will be able to go back to the way things were in December before the coronavirus pandemic. My answer is always the same: when we have an almost perfect drug to treat COVID-19, or when almost every person on the planet has been vaccinated against coronavirus.

The former is unlikely to happen anytime soon. We'd need a miracle treatment that was at least 95 percent effective to stop the outbreak. Most of the [drug candidates](#) right now are nowhere near that powerful. They could save a lot of lives, but they aren't enough to get us back to normal. Which leaves us with a vaccine.

Humankind has never had a more urgent task than creating broad immunity for coronavirus. Realistically, if we're going to return to normal, we need to develop a safe, effective vaccine. We need to make billions of doses, we need to get them out to every part of the world, and we need all of this to happen as quickly as possible.

But he admits:

Although eighteen months might sound like a long time, this would be the fastest scientists have created a new vaccine. *Development usually takes around five years.* Once you pick a disease to target, you have to create the vaccine and test it on animals. Then you begin testing for safety and efficacy in humans.

ALSO — [USA Today reports](#) — more "refrigerator" trucks or rather, ice box.

Police were called to a Brooklyn neighborhood Wednesday after a funeral home overwhelmed by the coronavirus resorted to storing dozens of bodies on ice in rented trucks, and a passerby complained about the smell, officials said.

Investigators who responded to a 911 call found that the home had rented four trucks to hold about 50 corpses, according to a law enforcement official. No criminal charges were brought and the official, who was not authorized to speak publicly about the investigation, spoke to the Associated Press on condition of anonymity.

Workers suited up in protective gear could be seen in the afternoon transferring bodies into the refrigerated truck.

Events of May 2020 | [May Source Material](#)

May 2020 — Events this month represent a coalition point for the nascent covid truth movement. They includes the release of the film *Plandemic*, the release of the book *Plague of Corruption* (both widely assailed as "conspiracy theories"), and the widely circulated statistic that [94% of claimed covid deaths are shown by CDC data to have average four additional serious underlying causes of mortality](#).

May 1, 2020 — The Food and Drug Administration (FDA or Agency) issued an Emergency Use Authorization (EUA) for the emergency use of Veklury® (remdesivir) for treatment of hospitalized patients with severe 2019 coronavirus disease (COVID-19), pursuant to Section 564 of the Act.

ALSO — [Where Two or More Are Gathered](#) by Eric F. Coppelino published by Planet Waves. This is an article analyzing the difference between a conspiracy theory and a grounded scientific theory. [efc]

Also: The US government has invested heavily into the pharmaceutical company [Moderna and their vaccine development efforts](#). Moderna, a relatively new company with an unproven track record, is specifically working on an experimental RNA vaccine for Covid-19 that they claim they can have finished this year. To clarify, this planned vaccine supposedly works by introducing mRNA into your body, which tells your body to produce elements of the virus itself, to which antibodies are meant to be produced by your body in response. Human trials are already in progress only six weeks after a global pandemic is declared. Moderna claims that its vaccine is an operating system, which is left on the website for more than a year; this is removed and "debunked" by various fact checking reports. [pw has screen shot, must locate resource]

May 3, 2020 — Korean scientists conclude people [cannot be infected twice](#). Sky news reported, "A total of 277 patients in the country were believed to have fallen ill for a second time, as had patients in China and Japan. This prompted concerns that the virus could be mutating so quickly that people were not necessarily immune to catching it again. However, genetic analyses of the virus have not found any substantial changes which would effectively disguise it from the immune system.

May 4, 2020 — The World Health Organization claims, again, [that SARS-CoV-2 has a natural origin](#) and continues to associate it with Wuhan's wildlife market despite not presenting their evidence. There is growing talk from other scientists that it may never know how the virus initially spread to humans in the first place. The wet market theory has been thoroughly debunked by contact tracing that indicates the first 13 cases in Wuhan had no contact with the market.

May 5, 2020 — The Trump administration says that the coronavirus taskforce will be disbanding by June, one of several indicators that the pandemic is supposed to be over. The next day, the administration says that the task force in fact will not be winding down and that it's [going to be better than ever](#).

ALSO — Reports claim a [new and more contagious strain](#) of the virus is spreading. [See primary source](#). See [more complete primary source](#). This is the first report of the "delta strain," yet another theoretical, *in silico* or contrived sequence:

Sequences were mapped to a reference (bases 266:29674 of GenBank entry NC_045512; i.e., the first base of the orf1ab start codon to the last base of the ORF10 stop codon) using "nucmer" from the MUMmer package (version 3.23; (Kurtz et al., 2004). The nucmer output "delta" file was parsed directly using custom Perl code to partition sequences into the various exclusion categories (Sequence Mapping Table) and to construct a multiple sequence alignment (MSA). The MSA was refined using code derived from the Los Alamos HIV database "Gene Cutter" tool code base.

At this stage, alignment columns comprising an insertion of a single "N" in a single sequence (generating a frame-shift) were deleted, and gaps were shifted to conform with codon boundaries. Using the initial "good-sequence" alignment, a low-effort parsimony tree was constructed using PAUP: a single replicate heuristic search using stepwise random sequence addition. Sequences in the alignment were sorted vertically to correspond to the (ladderized) tree, and reference-sequence reading frames were added.

Also — Early [report by the NIH on the results of autopsies](#): "SARS-CoV-2 testing can be performed at autopsy. Autopsy findings such as diffuse alveolar damage and airway inflammation reflect true virus-related pathology; other findings represent superimposed or unrelated processes."

Here is a compendium of articles about post-mortem pathological examinations from this era. They are not in chronological order. This is a topical entry of medical data from this approximate time range.

[Autopsies in Germany reveal blood clotting](#)

[Scientific American article on autopsies](#)

[COVID-19 Autopsies, Oklahoma, USA](#)

[Lessons from Two Covid-19 Autopsies](#)

[German Autopsies Show Blood Clots in Lungs](#)

[Pulmonary and Cardiac Pathology in Covid-19: The First Autopsy Series from New Orleans](#)

[Pulmonary post-mortem findings in a large series of COVID-19 cases from Northern Italy](#)

[Autopsy of First Covid-19 Death Shows Woman Had Massive Heart Attack](#)

[Pathological study of the 2019 novel coronavirus disease \(COVID-19\) through postmortem core biopsies](#)

[Autopsies provide crucial information for fighting COVID-19](#)

[Autopsy slowdown hinders quest to determine how coronavirus kills](#)

[Immune mechanisms of pulmonary intravascular coagulopathy in COVID-19 pneumonia](#)

[Post-mortem examination of COVID19 patients reveals diffuse alveolar damage with severe capillary congestion and variegated findings of lungs and other organs suggesting vascular dysfunction](#)

[Autopsy in suspected COVID-19 cases](#)

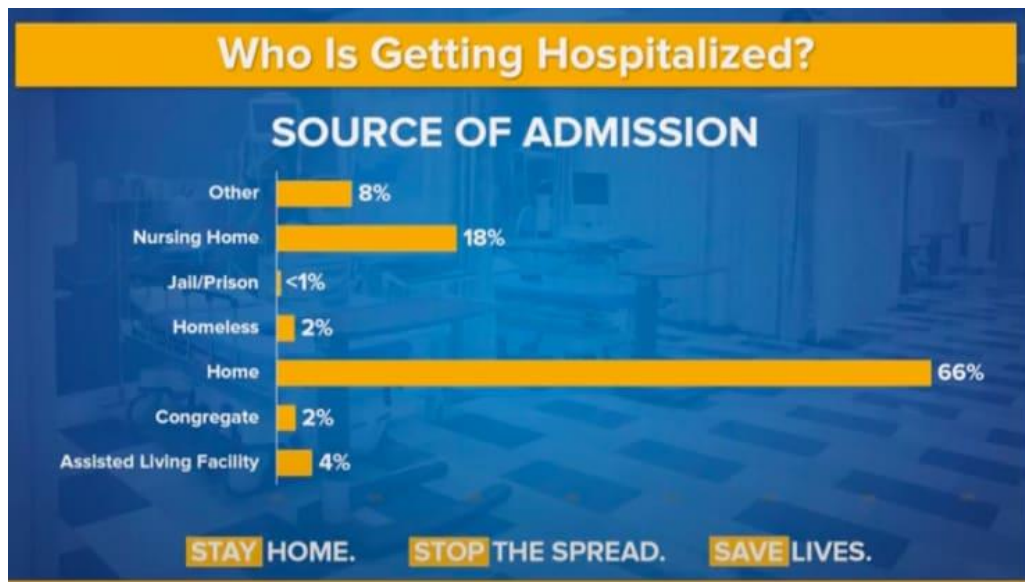
Two years later, [the results of a Minnesota study are published](#) indicating that many patients who were said to have died of "covid" died of everything but.

ALSO — Former *New York Times* science reporter Nicholas Wade, [writing in the Bulletin of the Atomic Scientists](#), reviews the evidence and makes a strong case for the lab-leak theory. He focuses in particular on the furin cleavage site, which increases viral infectivity for human cells. His analysis yields this quote from David Baltimore, a virologist and former president of the California Institute of Technology: "When I first saw the furin cleavage site in the viral sequence, with its arginine codons, I said to my wife it was the smoking gun for the origin of the virus. These features make a powerful challenge to the idea of a natural origin for SARS2." [[wapo](#)] [[gof](#)]

May 6, 2020 — Neil Ferguson, an epidemiologist who provided the models which guided most countries to impose lockdown measures, [has resigned after secretly meeting with his married lover](#), in the midst of stay-at-home measures. *The New Zealand Herald* reported, "He was forced to resign from his government advisory position yesterday after allowing Antonia Staats, 38, who lives with her husband and children in another house, to come to his home even as he lectured the public about the need to stop the spread of Covid-19."

New York's Gov. Andrew Cuomo says it's "shocking" that 66% of new hospital admissions related to "covid" are among people [who stayed home during the lockdowns](#). The second highest source was from nursing homes, who made up 18% of those admitted. But the homeless, who should have been ravaged, made up only 2% of hospital admissions. Still, New York State is telling people to stay home to stop the spread and save lives. [We covered this in Planet Waves](#).

The preliminary data was from 100 New York hospitals involving about 1,000 patients, Cuomo said at his daily briefing.



ALSO — Covid19 News says, "We have previously reported on the financial troubles that hospitals across the US are contending with, as well as on the financial support that hospitals receive for deeming patients as having Covid-19 and intubating. Many hospitals are running out of money due to the fact that they ceased performing elective procedures and lost their revenue. Here is another article exploring that further, and how they may potentially be facing closures." [More at WHY.](#)

May 7, 2020 — Autopsies of "covid" patients [reveal blood clotting problems](#). According to the Center for Infectious Disease Research and Policy (CIDRAP) at the University of Minnesota, autopsies revealed that several died of blood clots. Additional material at [Scientific American](#). From the CIDRAP report:

A [study](#) of autopsy findings of the first 12 patients who died of COVID-19 in a hospital in Hamburg, Germany, has found that 7 (58%) of them had undiagnosed deep vein thrombosis, suggesting that the virus may cause abnormal blood clotting.

In the prospective cohort study, published yesterday in the *Annals of Internal Medicine*, researchers discovered that the direct cause of death in four patients was massive pulmonary embolism from deep vein blood clots in the legs that lodged in a lung artery, causing a blockage.

High concentrations of COVID-19 genetic material were detected in the lungs, and also in the liver, kidney, or heart in five of six patients who had moderate viremia (COVID-19 viruses in the blood). All had abnormal lung computed tomography (CT) findings, and eight of them (67%) had alveolar damage indicative of early acute respiratory distress syndrome.

Most lungs were congested and heavy, with a maximum combined weight of 3,420 grams (more than 7.5 pounds) in one patient. Mean combined lung weight was 1,988 grams (4.4 pounds). In comparison, standard lung weights for men are 840 grams (1.9 pounds) and 639 grams (1.4 pounds) for women. Only two patients had relatively low lung weights (550 and 890 grams).

In many cases, the lungs showed signs of mild pleurisy, inflammation of the thin layers of tissue that separate the lungs from the chest wall, as well as a patchy pattern consisting of pale areas contrasting with slightly protruding, firm, reddish-blue areas with high capillary-to-fiber ratios. The lungs were firm but crumbled easily.

In the 10 patients who died in the hospital, initial laboratory tests showed elevated levels of lactate dehydrogenase (indicating tissue damage), D-dimer (indicating blood clots), and C-reactive protein (indicating inflammation or heart damage), as well as mild thrombocytopenia (low levels of platelets needed for clotting) in 4 of 10 patients.

Median patient age was 73 years (range, 52 to 87), 75% were men, and all had underlying medical conditions, the most common of which were coronary heart disease and asthma (50%) and chronic obstructive pulmonary disease (25%). Many were obese, with a mean body mass index of 28.7 kg/m².

ALSO — Public health experts at the US Centers for Disease Control and Prevention have leaked their recommendations on how to safely reopen businesses amid the COVID-19 pandemic—after officials in the Trump administration rejected the guidance and allegedly told CDC officials their plan would "never see the light of day."

The 17-page document (PDF found [here](#)) was initially set to be published last Friday but was nixed. Instead, [it was released to the Associated Press](#) by a CDC official who was not authorized to release it.

The guidance lays out detailed, phased recommendations for how to safely reopen child care programs, schools, day camps, faith communities, businesses with vulnerable workers, restaurants, bars, and mass transit. Though some of the general points laid out already appear on federal websites—such as an emphasis on hand hygiene—the document uniquely offers tailored recommendations for each type of business.

May 8, 2020 — Coronavirus test kits used in Tanzania were dismissed as faulty by President John Magufuli on Sunday, because he said they had returned positive results on samples taken from a goat and a pawpaw. Magufuli, whose government has already drawn criticism for being secretive about the coronavirus outbreak and has previously asked Tanzanians to pray the coronavirus away, said the kits had "technical errors".

The COVID-19 testing kits had been imported from abroad, Magufuli said during an event in Chato in the north west of Tanzania, although he did not give further details. The president said he had instructed Tanzanian security forces to check the quality of the kits. They had randomly obtained several non-human samples, including from a pawpaw, a goat and a sheep, but had assigned them human names and ages. [We have this quote from The New York Times, which says that the [Reuters article is unavailable](#).]

May 9, 2020 — [Los Angeles Times](#) and other press report that, "Three members of the White House coronavirus task force, including Dr. Anthony Fauci, placed

themselves in quarantine after contact with someone who tested positive for COVID-19, another stark reminder that not even one of the nation's most secure buildings is immune from the coronavirus.

"Fauci, the director of the National Institute of Allergy and Infectious Diseases and a leading member of the task force, has become nationally known for his simple and direct explanations to the public about the coronavirus and COVID-19, the disease it causes. Also quarantining are Dr. Robert Redfield, director of the Centers for Disease Control and Prevention, and the commissioner of the Food and Drug Administration, Stephen Hahn."

May 10, 2020 — [Joseph Mercola interviews Robert F. Kennedy, Jr.](#) Miraculously, this interview, preserved offsite as a PDF, survived the deletions of Covid content by Mercola from his website. Kennedy, the nephew of Pres. John F. Kennedy, says:

Without the pathogenicity of "nCoV" established and proven, the "dangerous" viral load cannot be established and therefore the line between "positive" and "negative" cannot be placed correctly. This is a part of the much wider false positive problem: though its root is that a "positive" is not a case and not, in itself, indicative of anything at all.

May 11, 2021 — [FDA updates its guidance on testing protocols](#), again admitting that test results are meaningless: they do not actually help determine the infection status or the cause of symptoms.

Testing is limited to the Center for Esoteric Testing, Burlington, NC, or other laboratories designated by LabCorp that are also certified under the Clinical Laboratory Improvement Amendments of 1988 (CLIA), 42 U.S.C. §263a, and meet the requirements to perform high complexity tests.

Results are for the identification of SARS-CoV-2 RNA. The SARS-CoV-2 RNA is generally detectable in respiratory specimens during the acute phase of infection. Positive results are indicative of the presence of SARS-CoV-2 RNA; clinical correlation with patient history and other diagnostic information is necessary to determine patient infection status. Positive results do not rule out bacterial infection or co-infection with other viruses. The agent detected may not be the definite cause of disease. Laboratories within the United States and its territories are required to report all results to the appropriate public health authorities. Negative results do not preclude SARS-CoV-2 infection and should not be used as the sole basis for patient management decisions. Negative results must be combined with clinical observations, patient history, and epidemiological information.

May 13, 2020 — Release of the film *Plandemic* directed by Mikki Willis is reported by the [Los Angeles Times](#). The film is an interview with molecular biologist Judith Mikovits. We are unable at this time to locate the exact release date. Planet Waves FM covered the film in its May 11, 2020 episode [Dangerous Ideas](#). The short film was release around the same time as her bestselling book [Plague of Corruption](#).

Both the film and the book were among of early rallying points for the nascent covid truth movement, and also a demonstration of how loudly someone can be shouted down. Here is a Planet Waves [comment on Judith Mikovits](#). Here is some of

what the LA Times said about the film, which was widely assailed as containing "conspiracy" theories and mistruths:

Slickly produced and shot through with brooding music and black-and-white shots of people walking in slow-motion, "Plandemic" centers on Willis' interview with a [former molecular biologist named Judy Mikovits](#), who alleges that a shadowy cabal of scientists and business interests, including the likes of Bill Gates and National Institute of Allergy and Infectious Diseases Director Dr. Anthony Fauci, is leveraging the coronavirus crisis to boost their own power and profits.

Presented uncritically as a courageous whistleblower, Mikovits lobs a string of false, unsubstantiated claims, including that the virus was developed in laboratories in China and the U.S., that health officials are deliberately inflating [COVID-19 statistics](#) and, most dangerously, that wearing a mask could increase one's chances of "getting sick from your own reactivated coronavirus expression."

May 14, 2020 — President Trump announced that he will start preparing the military to distribute a vaccine for Covid-19 which he hopes to have ready by the end of the year. [This coverage comes from The Hill](#). Of note, there are quite a few vaccines in development. [We have previously covered that](#), and Trump seems to be siding with whichever one can be pushed out the door first.

ALSO — [Is It, or Isn't It?](#) (about non mainstream pandemic theories) by Eric F. Coppelino published by Planet Waves.

After reviewing voluminous testimony from scientists, doctors and people we assess to be credible, there are essentially six major theories of the origins of the global pandemic that I can account for. Please note that this is an evolving document. Lest anyone confuse these with "conspiracy theories," [please read this article on the topic](#). All of these are grounded scientific theories, all of them offered by MDs, Ph.D.s and qualified journalists. Many will seem to contradict. Part of doing this work involves holding multiple possibilities open in one's mind at the same time and not going nuts. That is a spiritual discipline if anything is.

ALSO — Planet Waves publishes [Is It or Isn't It?](#) This is a compendium of alternative pandemic theories we had learned about up until that time. It reviews all of the mainstream theories as well, including natural origin, bat soup, lab release, false flag, and others. mentioned are Robert F. Kennedy, Victor Corman, Christian Drosten, Zack Bush, David Crowe, Andrew Kaufman, Tom Cowan, Judith Mikovits, and others. We publish this just six weeks into our daily coverage of the issues: we had the map of the territory. Article published soon after [Beyond the Paradigm of Paradigms](#).

ALSO — See transcript of [Zach Bush on The High Wire](#), later deleted by YouTube.

ALSO — [The Daily Mail reports](#) that men with low testosterone levels that contract COVID-19 are at far greater risk of dying from the virus, a study has found. A recent study found men are twice as likely to die from the coronavirus, but clinicians have been unable to determine why this is.

But a study from a German hospital of 45 COVID-19 patients admitted to intensive care reveals the male sex hormone testosterone may play a key role. The hormone is known to help regulate the body's immune response but when a man has low levels of testosterone, the immune system is not kept in check and can go haywire following infection. At this time, the theories and observations are flying.

May 15, 2020 — Pres. Trump initiates Operation Warp Speed (OPWASP). Billed as a public-private partnership to create multiple vaccines for the claimed SARS-CoV-2 virus. It is headed by the former head of vaccine development for GlaxoSmithKline, [Moncef Mohamed Slaoui](#). It was budgeted at \$10 billion under the CARES Act.

Here is how the project is described by Wikipedia:

The program promoted mass production of multiple vaccines, and different types of vaccine technologies, based on preliminary evidence, allowing for faster distribution if clinical trials confirm one of the vaccines is safe and effective. The plan anticipated that some of these vaccines will not prove safe or effective, making the program more costly than typical vaccine development, but potentially leading to the availability of a viable vaccine several months earlier than typical timelines.

ALSO — Los Angeles County Unified School District closes schools all public schools in the county. New York City schools are [shut down the same day](#).

May 17, 2020 — China's ambassador to Israel was found dead in his home. As of now the death has not yet been confirmed by the Chinese embassy. [See Covid19 News for details](#).

New York Post reports on [human parking spots](#) at Domino Park in Brooklyn and elsewhere in New York city. The digital revolution is complete: people hang out inside their own personal pixel. See photo below. Contrast with the Woodstock festival [during the 1969 "Hong Kong flu."](#)



May 18, 2020 — Pres. Trump says he is taking hydroxychloroquine as a preventive. Trump told reporters he has been taking the drug, hydroxychloroquine, and a zinc supplement daily “for about a week and a half now.” Trump spent weeks pushing the drug as a potential cure or prophylaxis for COVID-19 against the cautionary advice of many of his administration’s top medical professionals.

May 20, 2020 — David Crowe, host of The Infectious Myth podcast, publishes a paper called "[Flaws in the Coronavirus Pandemic Theory](#)." The paper presents an analysis of index cases and other early cases, demonstrating that there is no community spread, and that no virus has been isolated. This issue does not surface in the mainstream covid truth community until the end of the year, and it is another year before it has taken on a life of its own.

Entries tagged [crowe] in this timeline are references to this paper. He writes:

The world is suffering from a massive delusion based on the belief that a test for RNA2 is a test for a deadly new virus, a virus that has emerged from wild bats or other animals in China, supported by the western assumption that Chinese people will eat anything that moves.

If the virus exists, then it should be possible to purify viral particles. From these particles, RNA can be extracted and should match the RNA used in this test. Until this is done it is possible that the RNA comes from another source, which could be the cells of the patient, bacteria, fungi etc.

There might be an association with elevated levels of this RNA and illness, but that is not proof that the RNA is from a virus. Without purification and characterization of virus particles, it cannot be accepted that an RNA test is proof that a virus is present.

ALSO — While ordinary commoners in England could not so much as meet a friend in their garden or have an overnight guest, Prime Minister Boris Johnson, his wife and about 40 colleagues and friends, attend a party in the garden of No. 10 Downing Street. “After what has been an incredibly busy period it would be nice to make the most of the lovely weather and have some socially distanced drinks in the No10 garden this evening,” Private Secretary Martin Reynolds said in the leaked message, which was seen by ITV. “Please join us from 6pm and bring your own booze!” This will [come to light two years later](#), when Johnson will be asked to resign and will seek a “no confidence vote” in an attempted act of contrition.

May 22, 2020 — CDC claims that [35% of cases do not have symptoms](#). In reality, the number is more like 99%, or zero if you’ve figured out the virus is a missing person.

[Florida data scandal](#). Ousted manager was told to manipulate COVID-19 data before state’s re-opening, she says – Rebekah Jones said the deputy Secretary of Health asked for misleading data on rural counties.

ALSO — There is now a debate about whether it's possible to catch a respiratory virus from touching a box of spaghetti. Yes, only if you inhale. (Seriously, this is

called "fomite transmission.") [CDC issues a clarification](#): "The primary and most important mode of transmission for COVID-19 is through close contact from person-to-person. Based on data from lab studies on COVID-19 and what we know about similar respiratory diseases, it may be possible that a person can get COVID-19 by touching a surface or object that has the virus on it and then touching their own mouth, nose, or possibly their eyes, but this isn't thought to be the main way the virus spreads." [Here is another informative CDC page](#), in case you are not confused as it is.

May 23, 2020 — [China reports no new symptomatic coronavirus cases](#), the first time since the beginning of the outbreak in December.

May 25, 2020 — George Floyd [murdered by a police](#) officer in Minneapolis. Protests break out around the country. Suddenly, massive crowds are in the streets without social distancing or masking. Everyone holds their breath and waits for the massive wave of "coronavirus" cases to annihilate the population, but it never happens. Politicians who insisted that churches be closed and that people social distance are seen marching with protesters. There is some anger at this hypocrisy and the dim recognition that something is wrong with the community spread theory, but it's quickly suppressed by the next massive wave of bullshit. The rest of May's news in the United States is dominated by the protests.

ALSO — *The New York Times* is pushing the wholly invalidated "wet market theory." *From Covid19 News*:

Yesterday, [among the New York Times live updates](#), mention was made of the wet market origin theory of the virus, alongside the Wuhan Institute of Virology's latest denial that they could, in any way, be the source of the virus. We've been following the many problems of the wet market theory, which is disproven as none of the early cases in Wuhan can be contact traced to a point source in the market, and 13 cases had no contact whatsoever, direct or indirect, with the market or anyone who was there. Therefore, the disease was imported to the market rather than originating from the market. Eric previously discussed this in [this May 1 article](#).

The article deconstructs the lab release theory as "conspiracy theory." It is, at least, a valid proposal and (at least was) a testable hypothesis under any virus scenario. Early discussions that no virus could jump from a bat to a person without an intermediate host OR gain of function in a lab are lost to posterity; that analysis was so March 2020.

The article also describes doctors facing the consequences of speaking out against the lockdown measures. All doctors who did so were accused of merely being Trump supporters, effectively dividing the issue along party lines.

From *The New York Times* — lab release is considered a political theory attributable only to Donald Trump, not to the considerable number of virologists who are saying it is possible.

The Trump administration's unsubstantiated claims that the coronavirus pandemic was set off from a Wuhan government laboratory are "pure

fabrication," the head of the lab was quoted as saying in Chinese state media on Sunday.

Wang Yanyi, who leads the Wuhan Institute of Virology, said that the institute first received a sample of the virus at the end of December. By that point, the virus had been circulating in Wuhan, a major travel hub, for weeks.

"We didn't have any knowledge about the virus before that, nor have we ever met, researched or kept the virus," Dr. Wang said.

Scientists are still studying how the outbreak first happened. Most of them believe that the virus was passed from bats to humans via an intermediary species, one that was probably sold at a wet market in Wuhan late last year.

The debate between the unsubstantiated "wet market theory" versus the unsubstantiated "lab release theory" will persist into 2022. Even as late as 2022, The New York Times will advance the "wet market theory," as there is no other besides the "lab release theory" which it holds as a foregone conclusion is not true.

However, on the "covid truth" side of the world as opposed to the "accept the narrative as approved by the government" theory, the debate is really "no virus" versus "virus." This becomes the single biggest split in the "covid truth" camp.

Many of the major advocates of ending lockdowns and calling for vaccine safety are pushing the virus theory, while a minority but vocal group of doctors and investigators are pointing out that no virus was ever found, identified, isolated, purified, sequenced, characterized, or subjected to the Gold Standard.

The number of claimed deaths moves grossly disproportionately to the number of claimed infections. Still, the claimed test for covid continues to be taken seriously despite admissions by the government that it cannot test for live virus, for infection, for contagiousness, or in any way predict symptoms.

May 26, 2020 — Chinese CDC has admitted, following tests on animals at the Huanan Seafood Wholesale Market, the coronavirus did not originate at the market. [The Wall Street Journal reported on this on May 26](#) and seems to take the stance that this announcement is an attempt on the part of China to downplay the possibility that the virus originated from China and/or one of the labs in Wuhan. The nature of the testing is also in question.

Business Insider, [in their May 28 coverage of this development](#), cites the above article however they also include past coverage and research supporting the conclusion that the virus did not originate from the market. Notably they include [this study from Nature](#).

See January 24, 2020 when *The Lancet* [publishes a paper by Huang et al](#) revealing that 13 of the original 41 cases had no contact with the Huanan wet market in Wuhan, making the "wet market origin" story implausible or impossible.

ALSO — [This analysis](#) from Avik Roy and Gregg Girvan was published in Forbes and claims that "42% of all Covid-19 deaths have taken place in

nursing homes and assisted living facilities.” This is about .06% of the population. Roy notes that there are some states, such as New York, that exclude those who die in hospitals from their nursing home death tallies “even if they were originally infected in a long-term care facility.”

ALSO — In a CNN interview, Anthony Fauci urges Americans to wear masks in public as a sign of respect for the Godfather, I mean, for others. “I want to protect myself and protect others, and also because I want to make it be a symbol for people to see that that's the kind of thing you should be doing.”

May 30, 2020 — [In this article the New York Times](#) explores Japan’s situation further; Japan has reported “fewer deaths than other major nations” despite not testing, and despite enacting a late, negligible lockdown. The article notes the concerns of critics who say that Japan has “undercounted coronavirus deaths.” However hospitals were not swamped, and as of yet data on excess deaths are still pending.

May 31, 2020 — A new lockdown measure has been introduced in the UK preventing people from “socializing (or gathering) with one person from outside of their household in a private space.” [This report comes from The Daily Mirror](#). In a related study by three Harvard Medical School researchers, the authors warn that sex could spread the coronavirus. They recommend “avoiding kissing, showering before and after sex, and even wearing masks while having sex.”

This research was partly funded by [Gilead, producer of remdesivir](#), the FDA emergency-approved treatment for Covid-19 that was intended to be the standard of care for patients. This is cloaked by running the funding through the Fenway Institute, publishing in the Annals of Internal Medicine, and the association with Harvard.

In high altitude locales around the world there have been fewer fatalities and fewer “cases” than scientists initially expected. [According to this article from The Washington Post](#), “researchers hypothesize that populations living at high altitudes might be benefiting from a combination of an ability to cope with hypoxia (low levels of oxygen in the blood) and a natural environment hostile to the virus.”

Events of June 2020 | [June Source Material](#)

June 2020 — The Great Reset conference of the World Economic Forum, its 50th meeting, held in Davos, Switzerland. This is a combination brain trust meeting and stakeholder meeting. The [Wikipedia entry](#) is meekly accurate though omits the more sinister elements of the plan,

June 1, 2020 — Vaccine developers are struggling to find virus in order to test a potential vaccine. They also say there are not enough infections to know whether the vaccine will work under real-life circumstances. Nobody is proposing out loud that there may be no virus, though some are saying that its existence was not properly documented and tested.

ALSO — Contact tracing is now being used in some capacity to track protestors in Minnesota. And, to clarify, it is indeed the contact tracing that was developed to monitor the coronavirus, not some previously unmentioned equivalent. As if that wasn't enough, federal officials have also been [flying a Predator drone over the protestors](#) in Minnesota to monitor their actions.

Bloomberg reports that there is a Zoloft shortage: "Late last week, the Food and Drug Administration added Zoloft, which is sold under the generic name sertraline and was first approved in the U.S. in 1991, to its list of drugs in shortage. The tablet is used to treat a range of conditions, including depression, obsessive-compulsive disorder, and post-traumatic stress disorder."

June 2, 2020 — [Associated Press reports](#): "Chinese officials sat on releasing the genetic map, or genome, of the deadly virus for over a week after multiple government labs had fully decoded it, not sharing details key to designing tests, drugs and vaccines. Strict controls on information and competition within the Chinese public health system were largely to blame, The Associated Press has found from internal documents, emails and dozens of interviews."

Mercola reports (URL unavailable): Figures released from NHS England "suggest that up to 20% of hospital patients with COVID-19 were infected at the hospital." Boris Johnson has referred to these hospital-acquired Covid deaths as an epidemic. Mercola also takes a look at a meta-analysis of 40 studies that shows a high rate of nosocomial infections; that is, infections which originate in a hospital.

June 3, 2020 — [The Los Angeles Times](#) reports that the Southern California chapter of the American Academy of Pediatrics, which represents about 1,500 doctors, issued a statement pointing to research suggesting that the risks of COVID-19 transmission among children are lower than for adults, but that keeping

children away from in-person instruction for longer will have negative consequences. The damage done by keeping children out of school might outweigh the risks of COVID-19 transmission, a regional organization of pediatricians said Tuesday, pushing back against educators who have cautioned against reopening campuses too soon.

June 4, 2020 — Lab release theory keeps going and going. Sir Richard Dearlove, former head of MI6, has recently spoken out and said that "he believes the coronavirus pandemic 'started as an accident.'" He states that his conclusion is based off of a scientific report that he has seen. [From The Telegraph](#): A former head of MI6 has said he believes the coronavirus pandemic "started as an accident" when the virus escaped from a laboratory in China. In an interview with The Telegraph, Sir Richard Dearlove said he had seen an "important" new scientific report suggesting the virus did not emerge naturally but was man-made by Chinese scientists.

ALSO — [Reuters reports](#) that the virus is losing its potency, including to a "top Italian doctor." From the language, including the term "viral load in quantitative terms," is based on quantitative PCR results:

"In reality, the virus clinically no longer exists in Italy," said Alberto Zangrillo, the head of the San Raffaele Hospital in Milan in the northern region of Lombardy, which has borne the brunt of Italy's coronavirus contagion.

"The swabs that were performed over the last 10 days showed a viral load in quantitative terms that was absolutely infinitesimal compared to the ones carried out a month or two months ago," he told RAI television.

And:

A second doctor from northern Italy told the national ANSA news agency that he was also seeing the coronavirus weaken.

"The strength the virus had two months ago is not the same strength it has today," said Matteo Bassetti, head of the infectious diseases clinic at the San Martino hospital in the city of Genoa.

ALSO — [USA Today reports](#): Now that Las Vegas is starting to reopen, a growing number of tourists have shown up to gamble, many of them sans masks and with money to burn. The Atlantic tells us about ["covid" long-haulers](#).

June 5, 2020 — Reka Gustafson, one of British Columbia's top health officials, has come out and said that there is "absolutely no evidence that this disease is airborne," and pointed out that if it were, then the measures that were taken to mitigate the spread wouldn't have worked.

ALSO — On June 5, amid the [nationwide protests](#) over the [police murder of George Floyd](#), Fauci warned that people not wearing face masks in crowds may "propagate the further spread of infection." No such thing happens.

ALSO — Covid vaccination should be mandatory for all New Yorkers except those whose doctors exempt them, the Health Law Section of the New York State Bar Association (NYSBA) recommends in a report issued today. [State Bar Association statement](#). They later walk this back. Here is part of their original statement:

A COVID-19 vaccination should be mandatory for all New Yorkers except those whose doctors exempt them, the Health Law Section of the New York State Bar Association (NYSBA) recommends in a report issued today. The report also calls on the state Department of Health (DOH) to adopt uniform standards for allocation of ventilators and personal protective equipment. These standards would be triggered whenever there are insufficient medical supplies, ICU beds or trained health care workers to meet the needs of all patients.

ALSO — World Health Organization (WHO) endorses the use of masks, though said that their use is "not yet supported by high quality or direct scientific evidence." [From The New York Times](#):

Long after most nations urged their citizens to wear [masks](#), and after months of hand-wringing about the quality of the evidence available, the World Health Organization on Friday endorsed the use of face masks by the public to reduce transmission of the coronavirus.

Since the beginning of the pandemic, surprisingly, the W.H.O. had refused to endorse masks. The announcement was long overdue, critics said, as masks are an easy and inexpensive preventive measure.

Even in its latest guidance, the W.H.O. made its reluctance abundantly clear, saying the usefulness of face masks is "not yet supported by high quality or direct scientific evidence," but that governments should encourage mask wearing because of "a growing compendium of observational evidence."

And:

But the W.H.O. did not budge from its previous recommendations for medical workers, saying that respirator masks are only needed if such workers are involved in procedures that generate virus-laden aerosols — droplets smaller than 5 microns.

Apart from those circumstances, transmission of the virus so far has only been demonstrated for larger droplets and by contact, said Dr. Benedetta Allegranzi, an infectious disease expert and technical lead for the W.H.O.

While studies have shown that viral R.N.A. is present in the air in certain health care settings, "transmission is different, and it has not been demonstrated," she said.

June 6, 2020 — [Severe Acute Respiratory Syndrome Coronavirus 2 from Patient with Coronavirus Disease, United States](#), by Jennifer Harcourt, Azaibi Tamin, Xiaoyan Lu, Shifaa Kamili, et al., in Volume 26, Number 6—June 2020. The authors have used 37 base pairs from human samples and extrapolated out to an *in silico* 33,000 base pairs of what they think is the full genome. [[iap](#)]

They write:

We designed 37 pairs of nested PCRs spanning the genome on the basis of the coronavirus reference sequence (GenBank accession no. NC045512). We extracted nucleic acid from isolates and amplified by using the 37 individual nested PCRs. We used positive PCR amplicons individually for subsequent Sanger sequencing and also pooled them for library preparation by using a ligation sequencing kit (Oxford [Nanopore Technologies](#), subsequently for [Oxford Nanopore MinION](#) sequencing. We generated consensus nanopore sequences by using Minimap version 2.17 and [Samtools](#) version 1.9. We generated consensus sequences by [Sanger sequencing](#) from both directions by using Sequencher version 5.4.6, and further confirmed them by using consensus sequences generated from nanopore sequencing.

ALSO — Just like they said they would to in Event 201, the European Commission is set to introduce proposals that will require social media companies such as Facebook, Google and Twitter, to “provide monthly updates on how they’re tackling misinformation connected to COVID-19.” This is based on a [report in Politico](#).

“It is high time to step up on this and not to allow others such as China to occupy the space,” Věra Jourová, the Commission’s vice president for values and transparency, said Thursday during [a webinar](#) organized by her political group Renew Europe in reference to ongoing disinformation. “We need to get better at assessing the threats and liaising with partners such as NATO on this.”

June 8, 2020 — Remdesivir, the deadly covid-19 treatment from Gilead that was emergency-approved by the FDA despite the lack of a control group during its efficacy trial, is at risk of running out in the U.S. Specifically the supply of the drug that was donated by Gilead to the U.S. government is set to run out, and, [as this article from CNN puts it](#), “now that the free supply is almost gone, there are concerns Gilead will charge a high price.” Later it will emerge that more than half of patients treated with the drug die of multiple organ failure.

ALSO — [The Washington Post has reported](#) on two new studies that claimed that shutdowns prevented nearly 60 million infections in the United States, and saved about three million European lives.

ALSO — In an effort to salvage its 2020 tourist season, Maine will be requiring that tourists originating outside of Vermont and New Hampshire test negative for the “novel coronavirus.” This development was announced Monday during a press conference by Gov. Janet Mills.

If visitors do not want to be tested, they may be quarantined for 14-days within the state, though it is not clear where that would happen. One point of verification of testing will be at hotel, campground or bed and breakfast check-in. Those who have quarantined in Maine for 14 days will have the test requirement waived. Out of state quarantine does not count, because it's not close enough to purgatory as is spending two weeks locked in a motel or cottage in Maine during the summer.

ALSO — New York will be holding its Democratic primary on June 23 following a ruling from the Second Circuit Court of Appeals where it was found that a federal court had properly ordered that the scheduled primary take place.

ALSO — The WHO's [Maria Van Kerkhove, its technical lead on the "pandemic," said that asymptomatic spread of the coronavirus is "very rare."](#) This is completely at odds with how nations around the world have been responding to the crisis — the whole idea of the shutdown, and of terrifying people into thinking they could kill their parents or members of their church congregation, is based on the notion of asymptomatic or subclinical spread, a concept made up by Neil Ferguson for the sake of his computer models.

This is also behind the concept of social distancing, mandatory face cloths, and all this plexiglass appearing everywhere. It would be easy enough to tell sick people to stay home, which we believe would solve the problem.

From [The New York Times](#):

"Comprehensive studies on transmission from asymptomatic individuals are difficult to conduct, but the available evidence from contact tracing reported by Member States suggests that asymptomatically-infected individuals are much less likely to transmit the virus than those who develop symptoms," according to Maria Van Kerkhove, part of the Health Emergencies Program at WHO.

This is confirmed by a study in *Nature* published later in the year: based on testing of all 9.5 million people in Wuhan, there is no such thing as asymptomatic spread.

ALSO — [Opinion column in Newsweek](#) calls for merger of WHO and spy agencies. Man why didn't I think of that?

June 9, 2020 — Dr. Maria Van Kerkhove, walks back her commend made at a W.H.O. briefing on Monday, saying that it was based on just two or three studies and that it was a "misunderstanding" to say asymptomatic transmission is rare globally. "I was just responding to a question, I wasn't stating a policy of W.H.O. or anything like that," she said. Source is [The New York Times](#). Generally this is passed off as a "misunderstanding." There is no good news allowed.

ALSO — Contact tracing in Louisiana is [not working too good](#). Louisiana is spending millions of dollars on the centerpiece of the state's reopening plan, contact tracing, the practice of deploying callers to reach infected people and track down their contacts. But the plan is hitting a snag: people aren't answering their phones.

June 11, 2020 — The International Institute of Forecasters has [published a critique](#) of epidemiology forecasting. Here are a couple of excerpts from their conclusion:

Blindly acting based on extreme value theory alone would be sensible if we lived in the times of the Antonine plague or even in 1890, with no science to identify the pathogen, elucidate its true prevalence, estimate accurately its lethality, and carry out good epidemiology to identify which people and settings are at risk.

Until we accrue this information, immediate better-safe-than-sorry responses are legitimate, trusting extreme forecasts as possible (not necessarily likely) scenarios. However, caveats of these forecasts should not be ignored [1,18] and new evidence on the ground truth needs continuous reassessment. Upon acquiring solid evidence about the epidemiological features of new outbreaks, implausible, exaggerated forecasts [19] should be abandoned. Otherwise, they may cause more harm than the virus itself.

June 12, 2020 — Seattle Times reports that a covid patient was sent a \$1.1 million medical bill for his treatment. “The bill is technically an explanation of charges, and because Flor has insurance including Medicare, he won’t have to pay the vast majority of it. In fact because he had COVID-19, and not a different disease, he might not have to pay anything — a quirk of this situation I’ll get to in a minute.”

June 15, 2020 — It’s like déjà vu all over again: Food market shut down in Beijing; China adopts ‘wartime-like measures’ in response to new ‘cases’. *The Wall St. Journal* wrote:

Chinese health authorities shut parts of Beijing and adopted tight controls after the capital confirmed a record number of new Covid-19 infections, sparking growing concerns about a coronavirus resurgence.

Beijing had recorded almost 80 new cases by Sunday, all locally transmitted and linked to Xinfadi, a sprawling meat and vegetable wholesale market in the southwestern district of Fengtai that supplies most of the city’s fruit and vegetables, officials said.

ALSO — A pastor in Argentina [has reopened his church as a bar](#) in protest of the lockdown regulations in place there which continue to forbid religious services. The pastor of the church, Daniel Cattaeno, was quoted as saying “Bars can open, shops can open, why are they discriminating against us?” June 2020 is a delightfully perverse month in this history, isn’t it?

ALSO — The hydroxychloroquine saga continues as the FDA has [revoked its emergency authorization](#) of the drug as well as the related drug chloroquine. This comes to us from the New York Times where it is also noted that “the [FDA] said that after reviewing some data, it had determined that the drugs, particularly hydroxychloroquine, did not demonstrate benefits that outweighed their risks.”

ALSO — First indication that covid “vaccines” do not prevent the spread of the nonexistent virus. “Is that protection against infection?” [Shattock said in a Fortune interview](#). “Is it protection against illness? Is it protection against severe disease? It’s quite possible a vaccine that only protects against severe disease would be very useful.”

ALSO — **Denis Rancourt:** In my article [“Masks Don’t Work: A review of science relevant to COVID-19 social policy.”](#) I show that there have been many randomized controlled trials (RCTs) and meta-analyses of RCTs, which were designed to detect any benefit from wearing a mask, in terms of reducing the risk of being infected by a viral respiratory disease.

June 16, 2020 — [Avira reports](#) that 71% of Americans will not “download a COVID contact tracing app.” The main reason cited was that “people don’t trust the technology to protect their digital privacy,” but, notably, according to the results Americans are “twice as likely to trust contact tracing technology provided by Big Tech to keep their data private over government-run apps.” The research [comes from Avira](#) where an in-depth report on the results of the study may be found. Below are a few of the key findings.

ALSO — [The Washington Post has reported](#) on a new study indicating that children are only half as likely to be infected by the coronavirus. On a related note, [The Washington Post also reports](#) that all schools have been closed in Beijing as the city has raised its coronavirus response; schools had just reopened in May.

ALSO — Two weeks after protests in Philadelphia drew crowds of thousands and led to clashes with police, data maintained by the city indicate the large gatherings [haven’t caused a spike](#) in COVID-19 cases so far.

June 17, 2020 — Nobody catches “covid” at rallies, marches and riots, but the U.S. Open tennis competition in Queens will proceed without spectators. Gov. Andrew M. Cuomo announced Tuesday that the United States Open would be held as originally scheduled but without spectators at the U.S.T.A. Billie Jean King National Tennis Center in Queens, approving a plan by the United States Tennis Association to salvage the Grand Slam tournament, one of the biggest sporting events in New York. “It will be held without fans, but we can watch it on TV, and I’ll take that,” [the governor said](#).

ALSO — [Reuters reports](#) that the WHO halts trials of hydroxychloroquine because the experiment showed no benefit.

WHO expert Ana Maria Henao-Restrepo said investigators leading the so-called Solidarity Trial testing the drug - which had been promoted by U.S. President Donald Trump - had reviewed recent evidence and decided to stop recruiting new patients.

“After deliberation, they have concluded that the hydroxychloroquine arm will be stopped from the Solidarity Trial,” Henao-Restrepo told a media briefing.

June 18, 2020 — FDA warns that you can infect your pet with “covid.” *Covid19 News* wrote, “Since this whole ordeal has started we have been clobbered with the message that “you will murder everyone you love by virtue of breathing and/or existing in the same space as them.” Well now that applies to your pets too as, according to the FDA; you just might give them the coronavirus.”

ALSO — The European Commission and Johnson & Johnson are in advanced talks as the Commission seeks to “reserve or buy up-front” Johnson & Johnson’s current vaccine that is under development. Johnson & Johnson, the pharmaceutical company that played a role in [fueling the opioid epidemic](#) in the U.S., is currently one of the companies taking place in Trump’s Operation Warp Speed. There is talk that the EU expects an announcement of a deal as early as next week. [Reuters report](#).

ALSO — California has issued an order requiring face coverings in most settings outside of one's home. Children 2 years old and younger, the hearing impaired, and people with "a medical, mental health or developmental disability that prevents them from wearing a face covering," are exempt from the order. But, it is not clear how the state intends to enforce the order. [LA Times report](#).

ALSO — [The Daily Mail](#) reports that The World Health Organization has warned that a second wave of [coronavirus](#) could hit this autumn, with nations urged to develop a successful test, track and isolate programme.

Dr Hans Kluge, WHO's European regional director, stressed yesterday that contact tracing and quarantining people potentially infected with Covid-19 was 'an essential element' of the strategy.

His comments came a day after UK MPs were told the Government's contact tracing smartphone app - previously heralded as a fundamental pillar of the country's response to the pandemic - could be scrapped.

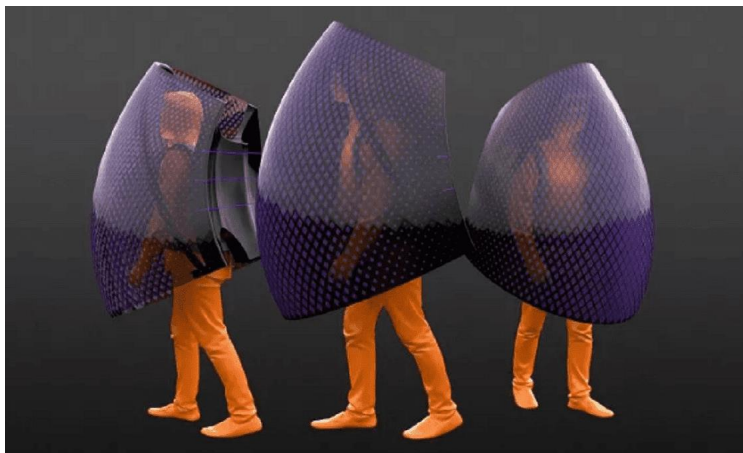
ALSO — [Health Choice publishes a white paper](#) asking why so many fewer children are dying, despite the "pandemic."

In the analysis that follows we have examined the evidence on total death rates by geography (mostly by state), by age group and by week (and flu season). We have extracted eight main lessons. Some of these are part of the ongoing conversation around Covid19; others are unexpected or at least have not been widely circulated. Why this discrepancy? Since the infectious disease establishment has controlled the "pandemic" narrative, the variance between this evidence and conventional wisdom is largely driven by longstanding bias and error patterns among the experts in that community.

June 19, 2020 — Japan releases contact tracing app using Apple and Google technology, [Engadget reports](#).

ALSO — Total eclipse of Venus by the Moon in Gemini.

ALSO June 19, 2020 — [The Guardian announces](#) that there will now be socially distant clothing. "With facemasks quickly becoming part of everyday style, a wave of new designs are feeding into the vogue for social-distancing fashion. This week as part of the Central Saint Martins graduate show, Harry Styles-approved designer Harris Reed presented a roundabout-wide hat and crinoline skirt, while as part of last week's digital London fashion week, Westminster student San Kim showcased Protective Garments for Coronavirus made from M&S and Poundland bags."



June 20, 2020 — Beginning on Father’s Day, June 21, nursing home visits in New Jersey will be allowed but facilities will have to follow requirements such as outdoor only visits and the signing of consent forms on the part of family and residents, [NBC Philadelphia reports](#).

June 23, 2020 — Los Angeles International Airport will soon start to screen for fevers; people who have an elevated temperature will be taken aside for a secondary screening in order to confirm. Participation is currently voluntary and during the pilot program you will not be stopped from continuing your journey.

ALSO — An Italian infectious disease doctor believes the coronavirus has become less dangerous — and could disappear on its own without a vaccine. Dr. Matteo Bassetti, the head of the infectious diseases clinic at the San Martino hospital, said the virus appears to have become less potent, possibly due to genetic mutations, the *Sunday Telegraph* reported. Haven't we read this a few times before?

June 24, 2020 — Colorado adopts [mandatory vaccines for children](#). Wait, I thought there weren't mandatory vaccines in Colorado.

ALSO — New York, New Jersey and Connecticut issued a travel advisory Wednesday that requires people arriving from states with high coronavirus rates to quarantine for 14 days.

The travel advisory applies to anyone coming from a state with a positive test rate higher than 10 per 100,000 residents over a 7-day rolling average or a state with a 10% or higher positivity rate over a seven-day rolling average, according to a joint announcement from the governors of the three states.

“We have to make sure the virus doesn’t come in on a plane,” said New York Gov. Andrew Cuomo. “We worked very hard to get the viral transmission rate down, and we don’t want to see it go up,” he added. As of Wednesday, the advisory applies to Alabama, Arkansas, Arizona, Florida, North Carolina, South Carolina, Utah and Texas. It begins tonight at midnight.

ALSO — The New York marathon is canceled. “Canceling this year’s TCS New York City Marathon is incredibly disappointing for everyone involved, but it was clearly

the course we needed to follow from a health and safety perspective,” said NYRR Chief Executive Michael Capiraso.

ALSO — Planet Waves [publishes "silver lining experiences" of the lockdown](#), written by its readers.

June 25, 2020 — The federal government [sent coronavirus stimulus payments to almost 1.1 million dead people](#) totaling nearly \$1.4 billion, Congress’ independent watchdog reported Thursday. The Washington Post previously reported that the Treasury Department and Internal Revenue Service disbursed some payments of up to \$1,200 each to dead people. But the astonishing scope of the problem had not been known.

June 26, 2020 — Texas will start to roll back on its reopening as the state has seen a rise in cases of the coronavirus and hospitalizations. Just yesterday, June 25, Texas governor Greg Abbot announced that the state’s reopening was put on pause, and he ordered a postponement on elective procedures to protect hospital capacity for Covid19 patients.

ALSO — *The Daily Mail* reports on a WHO official claiming that millions more people could die if there is a second wave of the virus nobody has a sample of.

"Millions of people across the world could die if there is a second wave of coronavirus infections, the World Health Organization warned on Friday.

Dr Ranieri Guerra, an assistant director-general for strategic initiatives at the WHO, said the pandemic had so far spread as health officials had anticipated.

Comparing COVID-19 to the Spanish Flu outbreak more than 100 years ago, Mr. Guerra said the older pandemic ‘fiercely resumed’ in September and October – when temperatures were cooler – after a dip.

ALSO — Joe Biden says that as president he would mandate face coverings.

ALSO — the White House Coronavirus Task Force held a press conference today lead by Vice President Mike Pence. Pence was reportedly quite happy with the progress made thus far. “We’re in a much better place,” Pence said. But he urged young people to take precautions to avoid spreading the disease to those more vulnerable. The group’s first briefing in weeks, held at the Department of Health and Human Services rather than at the White House, comes as states move ahead with reopening.

June 29, 2020 — Nancy Pelosi calls for mandating face coverings in the United States. This seems to be the Democratic talking point of the week; Biden will do so next.

ALSO — In its continued effort to take care of "world health," the World Health Organization (WHO) stages an "[infodemiology conference](#)." From its website:

The phenomenon of an ‘infodemic’ has escalated to a level that requires a coordinated response. An infodemic is an overabundance of information – some

accurate and some not – occurring during an epidemic. Like pathogens in epidemics, misinformation spreads further and faster and adds complexity to health emergency response.

June 30, 2020 — United States excluded from EU's safe travel list.

ALSO — JUPITER CONJUNCT PLUTO #2 OF 3 [astr]

ALSO — Gilead is charging \$3,000 for remdesivir treatments that cost \$10 to manufacture. The article where we got this is unavailable, but we have preserved a large quote:

David Sirota is back with his newsletter TMI. This time he focuses on Gilead and how they are taking advantage of the largely corporate-run healthcare system in the U.S. and charging exorbitant amounts for their Covid-19 treatment remdesivir. This is despite the fact that “various government grants financed tens of millions of dollars of...remdesivir research.”

Remdesivir, if you recall, is the FDA emergency approved treatment for Covid-19 which, back in April, Anthony Fauci announced would be the standard of care. It remains to be seen if any of the cost of the drug will be covered by insurers, or if patients will have to pay out-of-pocket.

[From TMI:](#)

In his open letter announcing the pricing scheme, Gilead’s CEO Daniel O’Day cast the pricing scheme as an altruistic and selfless act on behalf of his company, which recently tried to monopolize the distribution of the government-funded drug in order to expand on its \$5.4 billion of profits last year.

“We approached this with the aim of helping as many patients as possible, as quickly as possible and in the most responsible way,” said O’Day, who secured a \$29 million pay package last year. “In making our decision on how to price remdesivir, we considered the full scope of our responsibilities. We started with our immediate responsibility to ensure price is in no way a hindrance to ensuring rapid and broad treatment.”

Events of July 2020 | [July Source Material](#)

July 2, 2020 — Officials in Rockland County, New York issued subpoenas to eight people who were believed to have attended a June 17 party where nine others ended up testing 'positive' for the coronavirus. [According to The New York Times](#), those eight people who were subpoenaed refused to cooperate with contact tracing efforts and, as such, potentially faced fines of \$2,000 a day.

July 6, 2020 — Now we are getting the picture why this is being dragged on indefinitely. This is the first report we know of proposing that a biometric vaccine passport will be morphed with digital cash. In other words, no booster, no pizza. This is in part paid for by a \$3.8 million grant from Bill and Melinda Gates.

[Biometricupdate reports](#) Digital identity capabilities from [Trust Stamp](#) are now being integrated with Mastercard's Wellness Pass solution, which it will launch in cooperation with Gavi in West Africa. Proving identity without revealing any information about it is the idea behind Trust Stamp's zero knowledge approach to online identity verification, according to a profile by [Mastercard](#).

[Mint Press News follows up a few days later](#): "A biometric digital identity platform that "evolves just as you evolve" is set [to be introduced](#) in "low-income, remote communities" in West Africa thanks to a public-private partnership between the Bill Gates-backed GAVI vaccine alliance, Mastercard and the AI-powered "identity authentication" company, Trust Stamp.

"The program, which was [first launched](#) in late 2018, will see Trust Stamp's digital identity platform integrated into the GAVI-Mastercard "Wellness Pass," a digital vaccination record and identity system that is [also linked](#) to Mastercard's click-to-play system that powered by its AI and machine learning technology called [NuData](#). Mastercard, in addition to professing its commitment to promoting "centralized record keeping of childhood immunization" [also describes itself](#) as a leader toward a "World Beyond Cash," and its partnership with GAVI marks a novel approach towards linking a biometric digital identity system, vaccination records, and a payment system into a single cohesive platform."

July 9, 2020 — *Covid 19: The Great Reset* by Klaus Schwab and Thierry Malleret is published. It says things like, "Many of us are pondering when things will return to normal. The short response is: never," or "The world as we knew it in the early months of 2020 is no more, dissolved in the context of the pandemic. Radical changes of such consequence are coming that some pundits have referred to a

"before coronavirus" (BC) and "after coronavirus" (AC) era." He adds a funding pitch: "Governments must do whatever it takes and spend whatever it costs in the interests of our health and our collective wealth for the economy to recover sustainably." [See summary.](#)

July 13, 2020 — Local authorities in Ohio [have set up a hotline](#) for residents to report people who are not wearing face masks amid a rise in cases of COVID-19. Cuyahoga County Executive Armond Budish announced during a Friday press briefing that people who see others violating Ohio Gov. Mike DeWine's order mandating masks in 12 counties could call into the hotline or file complaints online. By Monday, the county had received more than 500 complaints.

ALSO — Revelation that "no quantified isolates of the 2019-nCoV [virus] are currently available," therefore assays are designed using MN908947 after a variety of steps are taken to "mimic clinical specimens." The context is explaining the detection limit of the RT-qPCR for SARS-CoV-2, and the process by which the *in-silico* specimens, or mimicked human specimens, are made. Here is the full FDA download, [dated July 14, 2020](#).

While the display is revision 5 of the document, July is when it [and then version 7 were](#) circulating widely, so I have connected this entry the revision date. By October, the problem with "no quantified isolates" and therefore evidence of there being no virus have reached as high as the *British Medical Journal* (BMJ) [in this letter](#) by Bernadette Pajer. See [coverage by Planet Waves](#).

Below is page from CDC document with the "no quantified isolates" quote:

Performance Characteristics

Analytical Performance:

Limit of Detection (LoD):

LoD studies determine the lowest detectable concentration of 2019-nCoV at which approximately 95% of all (true positive) replicates test positive. The LoD was determined by limiting dilution studies using characterized samples.

The analytical sensitivity of the rRT-PCR assays contained in the CDC 2019 Novel Coronavirus (2019-nCoV) Real-Time RT-PCR Diagnostic Panel were determined in Limit of Detection studies. Since no quantified virus isolates of the 2019-nCoV are currently available, assays designed for detection of the 2019-nCoV RNA were tested with characterized stocks of in vitro transcribed full length RNA (N gene; GenBank accession: MN908947.2) of known titer (RNA copies/ μ L) spiked into a diluent consisting of a suspension of human A549 cells and viral transport medium (VTM) to mimic clinical specimen. Samples were extracted using the QIAGEN EZ1 Advanced XL instrument and EZ1 DSP Virus Kit (Cat# 62724) and manually with the QIAGEN DSP Viral RNA Mini Kit (Cat# 61904). Real-Time RT-PCR assays were performed using the ThermoFisher Scientific TaqPath™ 1-Step RT-qPCR Master Mix, CG (Cat# A15299) on the Applied Biosystems™ 7500 Fast Dx Real-Time PCR Instrument according to the CDC 2019-nCoV Real-Time RT-PCR Diagnostic Panel instructions for use.

July 14, 2020 — Robert Redfield, MD, Director, Centers for Disease Control and Prevention, says that suicides, particularly of young people, are taking more lives than "covid." He made the comment in a Buck Institute webinar. [From the transcript](#):

REDFIELD: But there has been another cost that we've seen, particularly in high schools. We're seeing, sadly, far greater suicides now than we are deaths from COVID. We're seeing far greater deaths from drug overdose that are above excess that we had as background than we are seeing the deaths from COVID. So this is why I keep coming back for the overall social being of individuals, is let's all work together and find out how we can find common ground to get these schools open in a way that people are comfortable and their safe. And if there is a need for investment and resources, just like there is a need for some of the underprivileged children that are probably better served if they have certain comorbidities to do homeschooling, they need the access to be able to have the computer and the internet to do that.

July 15, 2020 — CBS News reports that [refrigerator trucks were requested in Texas and Arizona](#) as morgues fill up due to alleged coronavirus deaths.

July 17, 2020 — Fauci admits on [This Week in Virology](#) of the PCR assay, "If you get a [positive result using a] cycle threshold of 35 or more, then the chances of it being replication competent are minuscule," he said. By replication competent, he means that the amplification product of the PCR could not give someone the virus. Or more famously, "All you get are dead nucleotides," which is an exaggeration. Cycle 35 is the absolute detection limit of a single molecule, as Stephen Bustin told David Crowe on *The Infectious Myth* podcast.

As for "replication competent," this is a hilarious overstatement. First, the PCR is searching only for tiny fragments of any claimed virus, not whole virion. Second, in an April 14, 2020 interview with England's leading PCR expert Dr. Stephen Bustin, we learn that any "positive" result at Ct 35 has found one single molecule of the target sequence — assuming it is not a false positive created by the assay itself. Most PCR assays are using Ct 45, doubling the material in the sample an additional 10 times above the absolute detection limit of a single molecule.

In the same *This Week in Virology* interview, [Fauci admits that he does not know how the virus is spread and that no firm data exists](#).

For Bustin interview where he explains that Ct 35 "positive" means they found one molecule, please see the [Chiron Return transcription of the interview](#). Read [Jon Rappoport's coverage here](#).

July 20, 2020 — [NBC News reports](#) that 90 out of 144 people in Connecticut who received positive COVID-19 results did not have the virus, according to the state Department of Public Health. This two-thirds error rate is based on figures from "widely used laboratory testing" platforms. One month later, *The New York Times* reports that the false positive figure is 90%, something it has known was possible since 2007 when it reported on the 2006 Dartmouth-Hitchcock false pandemic incident.

The department said the state public health laboratory uncovered a flaw in one of the testing systems it uses to test for SARS-CoV-2, the virus that causes COVID-19, and 90 of 144 people tested between June 15 and July 17 received a false positive COVID test report. Many are nursing home residents

State officials said the flaw has been reported to the manufacturer and the federal Food and Drug Administration and DPH has taken immediate steps to make sure the patients are notified.

According to the state Department of Health, the errant testing results were "from a widely-used laboratory testing platform that the state laboratory started using on June 15."

July 21, 2020 — EU leaders [agree on \\$460 billion economic relief package](#). "Hopes for a deal to help address Europe's deepest recession since World War II sent Asian shares to a five-month high, while the main stock indices in Paris, Frankfurt, Madrid and Rome were between one percent and 1.5 percent higher in early European trade."

ALSO — Following [what The New York Times has described](#) as a "multiyear cyber espionage campaign," the U.S. Justice Department has charged Chinese nationals Li Xiaoyu and Dong Jiazhi for hacking "defense contractors, COVID researchers and hundreds of other victims worldwide." Fauci and his boss are on record in NEJM recently as saying under 1% which still allows a very wide variable.

ALSO — *The Wall Street Journal* [publishes an infection fatality rate](#) (IFR) far below that of *The New York Times* the prior week, which claimed about 4%. [\[citation\]](#) "That research — examining deaths out of the total number of infections, which includes unreported cases—suggests that Covid-19 kills from around 0.3% to 1.5% of people infected. Most studies put the rate between 0.5% and 1.0%, meaning that for every 1,000 people who get infected, from five to 10 would die on average."

July 22, 2020 — Health officials in British Columbia are recommending an age-old, occasionally cutting-edge tactic for sex during the coronavirus pandemic: "glory holes." The B.C. Centre for Disease Control [added new recommendations](#) for socially distant sex to its COVID-19 website this week. One of those tips was to try using a "glory hole" — a hole cut into a wall that's only large enough for a penis to slip through. New York City Department of Health is the only other health department to recommend this. B.C. health officials the next day walk back their recommendation, saying do not use gypsum drywall as your glory hole divider, as it contains toxic particulates. How do these people keep a straight face?

July 23, 2020 — Planet Waves becomes the first news outlet to introduce the Dartmouth-Hitchcock incident into the "covid" discussion — the story of a false pandemic at a medical school created by 100% PCR false positives. The article is titled: [Sunshine is the Best Disinfectant: It's Time to Demand the Truth About Covid-19](#). The reference is to a recent study saying that sunlight kills the virus. See related letter quoting Pacifica Radio Network station managers saying [why they should not cover the story](#), and apparently, why nobody else should either.

July 24, 2020 — CDC changes guidance on patient isolation. [From NBC News](#): people who have been confirmed with [mild to moderate COVID-19](#) can leave their isolation without receiving a negative test, according to recently revised guidance from the Centers for Disease Control and Prevention. Increasing evidence shows that most people are no longer infectious 10 days after they begin having symptoms of COVID-19. As a result, [the CDC](#) is discouraging people from getting tested a second time after they recover.

July 27, 2020 — Apparently having run out of people to claim are infected, health officials in the UK [move on to kitty cats](#). "A female Siamese cat has become the first animal in the UK to catch coronavirus, prompting a warning to owners not to kiss their pets or share food with them," *The Guardian* reported.

July 29, 2020 — Prof. Beda Stadler, an emeritus professor of immunology from the University of Berne, gives an interview about the failure of immunology and people who refuse to believe in it. While it contains good information, [he is a virus pusher](#). You learn about the theory of coronavirus, which he thinks are not serious. [See Planet Waves transcript](#). He is still bucking the opinion of many scientists who totally ignore the concept of immunity.

[Here are July source articles](#)

Events of August 2020 | [August Source Material](#)

August 2020 — Cuomo aide Jim Malatras is [appointed chancellor of the 64-campus State University of New York system](#). He was chosen from within state government, which is rare; usually there is a national search for the head of SUNY's central administration. He will later come under fire for his role in "fact-checking" Cuomo's memoir of the "covid" during work time; and is partially blamed for the concealment of deaths in nursing care facilities. Malatras [resigns in December 2021](#) after less than two years in office.

Newspaper reports falsely claim that his resignation involves inappropriate texts to friends and comments about a female colleague. This is a scrim for the fact that he was involved in the concealment of deaths. Cuomo in his autobiography wanted to show how effective his "covid" policies were, though this was contradicted by the concealed deaths of 4,100 elderly people in nursing homes in 2020. Therefore, Cuomo sought to hide this fact to make his policies look like they worked better. [confidential source].

Here is how *The New York Times* [reported the events](#) retrospectively in March of 2022:

ALBANY, N.Y. — The administration of former Gov. Andrew M. Cuomo failed to publicly account for the deaths of about 4,100 nursing home residents in New York during the pandemic, according to an [audit](#) released on Tuesday by the state comptroller, Thomas P. DiNapoli.

The audit found that Health Department officials at times underreported the full death toll by as much as 50 percent from April 2020 to February 2021, as Mr. Cuomo faced increasing scrutiny over whether his administration had [intentionally concealed the actual number of deaths](#).

The 41-page report concluded that the Health Department often acquiesced to the narrative Mr. Cuomo and his top officials wanted to promote during the pandemic, sometimes failing to meet its "ethical" and "moral" imperatives to act transparently.

"Our audit findings are extremely troubling," Mr. DiNapoli said in a statement. "The public was misled by those at the highest level of state government through distortion and suppression of the facts when New Yorkers deserved the truth."

August 2, 2020 — The captain and owners of a popular Manhattan party boat [are arrested for defying coronavirus social distancing mandates](#) and going for a

crowded booze cruise, officials said Sunday. The Liberty Belle, a four-story river boat that can hold up to 600 people, had just returned to Pier 36 in Lower Manhattan about 11:30 p.m. Saturday when officers from the New York City Sheriff's department broke up the 1920-themed party and made arrests, the *Daily News* reported.

ALSO — [A sharp rise in homicides this year is hitting large U.S. cities](#) across the country, signaling a new public-safety risk unleashed [during the coronavirus pandemic](#), and amid [recession](#) and a [national backlash against police tactics](#).

August 3, 2020— French prosecutors have [indicted pharma giant Sanofi](#) for manslaughter over birth defects linked to an epilepsy drug in a long-running case that has also seen it charged with fraud. The charges relate to the drug valproate, marketed as Depakine among other trade names, which studies say has caused disabilities in about 15,000-30,000 children whose mothers took the medicine while pregnant. On the market since 1967, the drug is used to treat epilepsy, migraines and bipolar disorder. But research found that when pregnant women took the drug, their children had an elevated risk – between 10 to 40 percent – of congenital malformations, autism and learning difficulties.

ALSO — [The Wall St. Journal publishes an opinion article](#) titled, "*Fear and Loathing in Covid America*: Public panic and media scorn are shutting down important debates about how to tackle the virus. They read like the other leading website accused of being obsessed with fact-based conspiracy theories:

The fear surrounding Covid-19, combined with the media's judgmental portrayal of new coronavirus cases as failures of political leadership and citizen morality, are backing policy makers into a corner and seeding social turmoil. Rising case numbers are the expected result of basic, powerful human desires to participate in life. Rather than acknowledge this, politicians are allowing fear to fuel poor policy decisions. A course correction will require empowering Americans to prevent illness and absolving ourselves from the prevailing narrative.

August 4, 2020 — New York City's health commissioner Dr. Oxiris Barbot resigns unexpectedly.

August 8, 2020 — University of California system says it will require flu vaccination for students, faculty and staff. [See ABC News report](#).

August 6, 2020 — According to a [CHD report](#), Moderna admits of its vaccine, which contains mRNA, PEG and lipid nanoparticles:

"[T]here can be no assurance that our LNPs will not have undesired effects. Our LNPs could contribute, in whole or in part, to one or more of the following: immune reactions, infusion reactions, complement reactions, opsonation reactions, antibody reactions . . . or reactions to the PEG from some lipids or PEG otherwise associated with the LNP. Certain aspects of our investigational medicines may induce immune reactions from either the mRNA or the lipid as well as adverse reactions within liver pathways or degradation of the mRNA or the LNP, any of which could lead to significant adverse events in one or more of our clinical trials."

CHD comments:

"PEG is widely used in drugs, personal care products, lubricants, gels (such as ultrasound gel), food additives and more. For example, PEG is a notorious ingredient of the controversial Bayer laxative MiraLAX, a medication used for constipation and to prep individuals for colonoscopy. Many parents of chronically constipated children have accused MiraLAX of provoking severe neuropsychiatric symptoms in their offspring, including mood swings, rage, phobias and paranoia."

ALSO — A website called The Awakening Channel [publishes video of 640 doctors](#) who claim that covid is a global scam. This is also [reported by the website eclassfile](#). From the transcript: "So the question is, why we did this? Because the parliamentary is not doing its job, the politicians don't do the inquiry on COVID 19; not in Germany, not in Austria, not in Spain, not all over the world. So it's up to us, to the citizens to do the job and to do it right."

Augusts 7, 2020 — A small U.S. company with ties to the U.S. defense and intelligence communities [has embedded its software in numerous mobile apps](#), allowing it to track the movements of hundreds of millions of mobile phones worldwide, according to interviews and documents reviewed by *The Wall Street Journal*.

ALSO — Michael Mina, *assistant professor of epidemiology and a faculty member in the Center for Communicable Disease Dynamics*, speaks at a [press conference at Harvard University](#) on Friday, August 7, 2020, warning of problems with using the PCR as a health metric — the same ones that were warned about by the CDC in 2006, and again in 2020: PCR does not and cannot test for infection. Mina also warned that the threshold is too high. [Additional coverage here](#).

But we recognize that they're not a danger to society after about 10 days, because they're transmissible period is done and they just have RNA that's residing in their nasopharynx in the same way that people's DNA is in their hair. If you find somebody's piece of hair, it doesn't mean the person is in front of you. It's just their piece of hair. That's the same thing that's happening here. And so what I think we need to do is change the target. We need to not use PCR positivity status as our public health metric, because what it means is that we're contact tracing millions of people who don't need to be contact traced because they were actually infectious weeks ago. We're also quarantining millions of Americans for 10 or 14 days who haven't been transmitting for weeks by the time they got their results. And this isn't even taking into account the fact that result times are so delayed.

August 8, 2020 — *Harvard Magazine* [calls for testing everyone, everywhere, all the time](#). A Harvard-based startup makes cheaper tests, which are the ones Harvard says we should be using.

We need to change the whole script of what it means to test people," he says. "In our country, we have always assumed that testing belongs in the clinical sphere, in the diagnostic sphere, and has to be run by laboratories or diagnosticians. The result is that we have a system for coronavirus testing...which is flailing, with raging outbreaks occurring." What the country needs instead are *rapid* tests,

widely deployed, so that infectious individuals can be readily self-identified and isolated, breaking the chain of transmission.

To do that, Mina says, *everyone* must be tested, every couple of days, with \$1, paper-based, at-home tests that are as easy to distribute and use as a pregnancy test: wake up in the morning, add saliva or nasal mucus to a tube of chemicals, wait 15 minutes, then dip a paper strip in the tube, and read the results. Such tests are feasible—a tiny company called E25Bio, and another called Sherlock Biosciences (a start-up spun out of Harvard's [Wyss Institute for Biologically Inspired Engineering](#) and the Broad Institute in 2019) can deliver such tests—but they have not made it to the marketplace because their sensitivity is being compared to that of PCR test

August 8, 2020 — [Newsweek reports on a Mississippi coroner](#) who said that the state's death count from coronavirus could be incorrect, citing an average month without increases in deaths in his county.

Mississippi county coroner said his state's death count from coronavirus could be incorrect, telling residents that possible misreporting has led to "unnecessary fear in the public."

Joshua Pounder, the coroner for DeSoto County in northwest Mississippi, [wrote on his Facebook page](#) Thursday night a breakdown of all causes of death in the county in July. He said he felt compelled to act because of the "many Facebook google experts and politicians with politically driven agendas driven by money reporting information that is twisted and false to the public."

The post, which has since garnered nearly 3,000 shares, described what Pounder called an "average month in Desoto county," despite the ongoing coronavirus pandemic. The coroner's office recently completed reports for 144 deaths in July, Pounder wrote.

August 10, 2020 — California's public health director Dr. Sonia Angell abruptly resigns.

ALSO — Dr. Michael Lederman, Maxwell J. Mehlman and Dr. Stuart Youngner [write in a USA Today opinion article](#) that vaccines should be mandatory and free, because to take the injection is patriotic. Yep. Lay back and think of England. They call for punishing those who do not accept the injection by making it difficult for them to participate in society. [LifeSiteNews publishes a rebuttal](#).

From *USA Today*:

The reason: When an effective vaccine is available for COVID-19, it will only defeat the pandemic if it is widely used, creating "herd immunity." It is important to note that during an epidemic, there is no threshold above which the protection conferred by herd immunity cannot be improved. Thus, the more people who are immunized, the lower the risk for all of us, including those who are not vaccinated.

Nor is there an alternative to vaccine-induced herd immunity in a pandemic. Relying on enough people becoming infected and then immune is dangerous, as exemplified by the Swedish experience where the [COVID-19 mortality](#)

[rate](#) exceeds that of its more cautious neighbors. Broad induction of immunity in the population by immunization will be necessary to end this pandemic. In simple terms, a refusal to be vaccinated threatens the lives of others.

August 11, 2020 — Russia announces that it has the [world's first approved covid vaccine](#). A Russian health care regulator has become the first in the world to approve a vaccine for the coronavirus, President Vladimir V. Putin announced on Tuesday, though the vaccine has yet to complete clinical trials. The Russian dash for a vaccine has already raised international concerns that Moscow is cutting corners on testing to score political and propaganda points. None of the American injections finished their clinical trials before approval either. "It works effectively enough, forms a stable immunity and, I repeat, it has gone through all necessary tests," Mr. Putin [said on Tuesday](#), despite the criticism, adding that one of his daughters had taken the vaccine.

August 12, 2020 — Children's Health Defense sues the University of California over their mandatory flu shot. Original resources documenting this have all been deleted. [\[citation\]](#)

ALSO — [North Carolina](#) overcounted its tally of completed [coronavirus](#) tests by 200,000 since the start of the pandemic, state officials announced Wednesday, blaming most of the error on a processing lab. The error is said to not affect percentages of positive counts. [See AP story](#).

August 14, 2020 — The Centers for Disease Control and Prevention [released a new report](#) this month titled *Mental Health, Substance Use, and Suicidal Ideation During the COVID-19 Pandemic — United States, June 24-30, 2020* where they took a look at the mental health impact of the coronavirus and surrounding events. Below are a few takeaways from the report, [provided by Quartz](#).

August 17, 2020 — A Michigan college [is requiring students to download a phone application](#) that tracks their location and private health data at all times in an attempt to protect them from the coronavirus.

Albion College, located in Albion, Mich., is one of the first schools in the country to tackle contact tracing. The school is working to create a "COVID-bubble" on campus, and asking students stay within the school's 4.5-mile perimeter for the entire semester; if a student leaves campus, the app will notify the administration, and the student could be temporarily suspended. Who needs the "school to prison pipeline" when school is prison?

August 20, 2020 — A top U.S. health regulator who will help decide the fate of a coronavirus vaccine has vowed to resign if the Trump administration approves a vaccine before it is shown to be safe and effective, [Reuters has learned](#). Peter Marks, director of the Food and Drug Administration's Center for Biologics Evaluation and Research, made the statement in response to concerns raised on a conference call late last week of government officials, pharmaceutical executives and academics who serve on a vaccine working group organized by the National Institutes of Health, according to three sources familiar with the matter. When contacted by Reuters, Marks confirmed the account.

August 21, 2020 — Virginia's state Health Commissioner Dr. Norman Oliver [told 8News on Friday](#) that he plans to mandate coronavirus vaccinations for Virginians once one is made available to the public. Virginia state law gives the Commissioner of Health the authority to mandate immediate immunizations during a public health crisis if a vaccine is available. Health officials say an immunization could be released as early as 2021. Dr. Oliver says that, as long as he is still the Health Commissioner, he intends to mandate the coronavirus vaccine.

ALSO — With travel restrictions part of the new normal thanks to the ongoing coronavirus outbreak, the U.S. Centers for Disease Control and Prevention (CDC) [has changed its recommendations for quarantine](#).

The CDC previously recommended travelers quarantine for 14 days after visiting overseas destinations or arriving in areas with a high number of confirmed coronavirus cases, but that changed Tuesday.

According to the CDC's official website, the mandatory quarantine portion of the order has been lifted, with travelers being advised to follow the same protocols people should be following on a daily basis anyway.

But they add, "The CDC says that regardless of where tourists visit for the remainder of 2020, they should practice social distancing, wear a mask, wash their hands often and monitor for possible symptoms of coronavirus when they return home."

August 23, 2020 — [Associated Press reports](#) that the NFL had 77 positive covid tests from 11 teams re-examined by a New Jersey lab after false positives, and all those tests came back negative. The league asked the New Jersey lab BioReference to investigate the results, and those 77 tests are being re-tested once more to make sure they were false positives. This is yet another example of 100% false positives created by the RT-qPCR.

ALSO — According to the Centers for Disease Control and Prevention (CDC) on August 23, 2020, "For 6% of the deaths, COVID-19 was the only cause mentioned. For deaths with conditions or causes in addition to COVID-19, on average, there were 2.6 additional conditions or causes per death." [1] For a nation tormented by restrictive public health policies mandated for healthy individuals and small businesses, this is the most important statistical revelation of this crisis. This revelation significantly impacts the published fatalities count due to COVID-19. More importantly, it exposes major problems with the process by which the CDC was able to generate inaccurate data during a crisis. Quoted in later study by Henry Ealy, Michael McEvoy, Daniel Chong, John Nowicki, Monica Sava, Sandeep Gupta, David White, James Jordan, Daniel Simon, Paul Anderson: COVID-19 Data Collection, Comorbidity & Federal Law: A Historical Retrospective. [[link to resource](#)]

August 24, 2020 — [The New York Times](#) reported the first "confirmed case" of reinfection, meaning PCR positive. "The second infection was completely asymptomatic — his immune response prevented the disease from getting worse," said Akiko Iwasaki, an immunologist at Yale University who was not involved with the work but reviewed the report at The New York Times's request. "It's kind of a textbook example of how immunity should work." The newspaper falsely reports,

"People who do not have symptoms may still spread the virus to others, however, underscoring the importance of vaccines, Dr. Iwasaki said. In the man's case, she added, "natural infection created immunity that prevented disease but not reinfection." Hence we should all be worried.

ALSO — The U.S. Centers for Disease Control and Prevention (CDC) [reports that in June](#), suicidal ideation in young adults increased, and did anxiety and depression, stress related symptoms, and commenced or increased substance abuse. Twenty-five percent of young adults considered suicide that month. The agency reports, "The coronavirus disease 2019 (COVID-19) pandemic has been associated with mental health challenges related to the morbidity and mortality caused by the disease and to mitigation activities, including the impact of physical distancing and stay-at-home orders."

August 25, 2020 — The [World Health Organization announces](#) that it is now "immunizing the public against misinformation." It reads more like a vaccine marketing plan targeting "swing vaxxers." To wit:

Even as the world is laser-focused on the search for a safe, effective vaccine, misinformation continues to spread about immunization as well. Health experts in Germany are concerned that the country's anti-vaccination movement may deter many people from getting immunized when a safe vaccine becomes available. A recent study that examined the vaccination views of 100 million Facebook users globally found that while the pro-vaccination camp (6.9 million people) outnumbered those against vaccination (4.2 million), the anti-vaccine group was less isolated and had more interaction with the individuals (by far the largest group, at 74.1 million) who are undecided about vaccination. These "swing vaxxers" are important to target and get on board with lifesaving vaccination.

ALSO — The website Collective Evolution (now defunct) reported that an \$11 million lawsuit was brought by Vaccine Choice of Canada against Justin Trudeau and other Canadian entities. From the article, preserved on Covid19 News:

The Vaccine Choice of Canada, legally represented by Rocco Galati, a constitutional lawyer and executive director of the Constitutional Rights Centre Inc. (CRC), has sued the Canadian and Ontario governments, the city of Toronto, the CBC, and a number of politicians and health authorities for their handling and coverage of the COVID-19 pandemic.

Complaints include business closures, the mandating of masks and social distancing rules which the group argues are "extreme, unwarranted and unjustified" responses to the pandemic were "not scientific, nor medically-based, nor proven." They also bring forth evidence stating that government mask mandates can cause "physical and psychological harm."

The group accuses the WHO, mainstream media and the federal government of spreading false alarm during the COVID-19 pandemic. This claim is subjectively felt by many people all over the world given the amount of evidence backed controversy there is surrounding COVID-19, including inflated death numbers, botched projections and destructive lockdown measures.

August 28, 2020 — "Children and young people are far less likely than adults to get severe cases of COVID-19 infection, and death from the pandemic disease among children is exceptionally rare, according to UK research published on Thursday." More [from Reuters](#):

A study of COVID-19 patients admitted to 138 hospitals in Britain found that less than 1% were children, and of those fewer than 1% – or six in total – died, all of whom were already suffering serious illness or underlying health disorders.

"We can be quite sure that COVID in itself is not causing harm to children on a significant scale," said Malcolm Semple, a professor of outbreak medicine and child health at Britain's University of Liverpool, who co-led the work.

And:

"The highest level message really has to be that (in children with COVID-19) severe disease is rare, and death is vanishingly rare - and that (parents) should be comforted that their children are not at direct harm by going back into school," he told a briefing.

August 29, 2020 — *The New York Times* publishes article called [Your Coronavirus Test Is Positive. Maybe it Shouldn't Be](#). Their source is the New York State Wadsworth Laboratory. They omit reference one potential problem with the PCR — the well-known cycle threshold issue. Note they claim that 35 is a "reasonable" cutoff, even though it's well known that at Ct 35, just one molecule of the target sequence was detected, assuming it is not a false positive.

Any test with a cycle threshold above 35 is too sensitive, agreed Juliet Morrison, a virologist at the University of California, Riverside. "I'm shocked that people would think that 40 could represent a positive," she said.

A more reasonable cutoff would be 30 to 35, she added. Dr. Mina said he would set the figure at 30, or even less. Those changes would mean the amount of genetic material in a patient's sample would have to be 100-fold to 1,000-fold that of the current standard for the test to return a positive result — at least, one worth acting on.

And

"It's just kind of mind-blowing to me that people are not recording the C.T. values from all these tests — that they're just returning a positive or a negative," said Angela Rasmussen, a virologist at Columbia University in New York.

"It would be useful information to know if somebody's positive, whether they have a high viral load or a low viral load," she added.

Officials at the Wadsworth Center, New York's state lab, have access to C.T. values from tests they have processed, and analyzed their numbers at *The Times's* request. In July, the lab identified 872 positive tests, based on a threshold of 40 cycles.

With a cutoff of 35, about 43 percent of those tests would no longer qualify as positive. About 63 percent would no longer be judged positive if the cycles were limited to 30.

In Massachusetts, from 85 to 90 percent of people who tested positive in July with a cycle threshold of 40 would have been deemed negative if the threshold were 30 cycles, Dr. Mina said. "I would say that none of those people should be contact-traced, not one," he said.

ALSO — Massachusetts governor [activates 1,000 members of the National Guard](#) but does not say why. Protests over vaccines are brewing in Massachusetts and that is the presumed reason.

The Guard members are being deployed "in the event that municipal leaders require their assistance," according to a statement released by an unnamed spokesperson for the state's Executive Office of Public Safety and Security, and is "only at the request of, and in coordination with, the communities seeking support."

August 31, 2020 — [The Atlantic reports](#) that the United States is facing a shortage of monkeys for testing vaccines.

Events of September 2020 | [September Source Material](#)

September 1, 2020 — New York City intends to delay the start of school. New York City's public school system, the country's largest, reached an agreement on Tuesday that resolves union leaders' coronavirus safety concerns and pushes back the opening of classrooms for the new academic year by 11 days to Sept. 21. [Reuters report](#).

ALSO — *The Wall St. Journal*, against lockdowns from the beginning, [publishes an op-ed saying they did not work](#).

Six months into the Covid-19 pandemic, the U.S. has now carried out two large-scale experiments in public health—first, in March and April, the lockdown of the economy to arrest the spread of the virus, and second, since mid-April, the reopening of the economy. The results are in. Counterintuitive though it may be, statistical analysis shows that locking down the economy didn't contain the disease's spread and reopening it didn't unleash a second wave of infections.

September 2, 2020 — U.S. government declines to participate in global effort to develop a coronavirus vaccine. The Trump administration has refused to join an international effort co-led by the World Health Organization to develop a coronavirus vaccine despite warnings against "vaccine nationalism." The White House has chosen to focus on Operation Warp Speed with the intention of developing and manufacturing 300 million doses of a vaccine by January of next year; there has also been talk of plans to approve a vaccine before the U.S. election. From *The Guardian*: The US government has said that it will not participate in a global initiative to develop, manufacture and equitably distribute a vaccine for Covid-19 because the effort is co-led by the World Health Organization.

ALSO — U.S. FDA says it plans to bring outside experts to review COVID-19 vaccines. [Reuters reports](#):

The U.S. Food and Drug Administration will organize meetings with an independent group of experts to review data of coronavirus vaccine candidates and advise the agency, FDA commissioner Stephen Hahn said on Wednesday.

"The meetings will reinforce the transparency of the process as FDA reviews data from trials now underway," Hahn said in a post on Twitter. (bit.ly/2YYBH10) The statement comes after U.S. President Donald Trump last month accused members, without evidence, of a so-called "deep state" working within the FDA of complicating efforts to test COVID-19 vaccines in order to delay results until after the Nov. 3 presidential election.

The FDA said last week it will hold a meeting of its advisory committee to address the general development of COVID-19 vaccines on Oct. 22, and have additional meetings as applications for coronavirus vaccines are submitted.

ALSO — [LA Times reports](#) that health departments are underfunded and understaffed and may not be able to effectively jab everyone. Reference to [Aug. 4, 2020 memo from CDC](#) which gives provisional plans. Shots are referred to as Vaccine A and Vaccine B.

September 5, 2020 — BBC is one of a very few publications to [pick up the New York Times story from late August](#) about how most PCR positives are false, even if you think some are true. They cite a study out of Oxford University:

Most people are infectious only for about a week, but could test positive weeks afterwards. Researchers say this could be leading to an over-estimate of the current scale of the pandemic. But some experts say it is uncertain how a reliable test can be produced that doesn't risk missing cases.

Prof Carl Heneghan, one of the study's authors, said instead of giving a "yes/no" result based on whether any virus is detected, tests should have a cut-off point so that very small amounts of virus do not trigger a positive result.

September 6, 2020 — Brooklyn couple arrested on Staten Island Ferry for refusal to leave the vessel after the captain ordered them to disembark for not wearing face coverings. [The Gothamist reported](#):

A Brooklyn couple was pulled from a city ferry in handcuffs on Saturday night after refusing the captain's order to wear a mask or leave the boat. The husband and wife, who were headed home to Bay Ridge after a night in Manhattan, each received a summons for disorderly conduct, according to an NYPD spokesperson.

For more than an hour on Saturday, the middle-aged duo stood defiantly on the top deck of an NYC Ferry, rejecting the captain's orders to disembark at Brooklyn Bridge Park around 8 p.m. They insisted they had a constitutional right to ride mask-free, claiming they both suffered from a medical condition exempting them from Governor Andrew Cuomo's requirement that New Yorkers wear a face covering in public to stop the spread of coronavirus.

"These people are just doing what the government is telling them," the woman said of the masked riders aboard the boat.

September 8, 2020 — Amid broad mistrust of FDA and Trump administration, drug companies seek to reassure public about Covid-19 vaccine safety. [STAT News reports](#):

A group of nine leading pharmaceutical and biotechnology companies pledged on Tuesday to only seek approval for Covid-19 vaccines demonstrated to be safe and effective, an apparent attempt to provide public reassurance despite the widely held view that the Covid-19 vaccine development process is politically tainted.

In a statement, the companies pledged to “make the safety and well-being of vaccinated individuals our top priority.” The vaccine developers said they would continue to impose high ethical and scientific standards on the vaccine-testing process, and apply for government authorizations only “after demonstrating safety and efficacy through a Phase 3 clinical study.”

The group of nine companies includes Moderna, AstraZeneca, and the ongoing collaboration between Pfizer and BioNTech — three of the Covid-19 vaccine efforts that have advanced into late-stage clinical trials, and whose vaccine candidates are likely to be considered for emergency approvals in the coming months. Top executives at Merck, GlaxoSmithKline, Johnson & Johnson, Sanofi, and Novavax also signed the pledge.

ALSO — [STAT News reports](#) that a large, Phase 3 study testing a Covid-19 vaccine being developed by AstraZeneca and the University of Oxford at dozens of sites across the U.S. has been put on hold due to a suspected serious adverse reaction in a participant in the United Kingdom.

ALSO — Massachusetts [stops coronavirus testing at a Boston laboratory](#) after investigators found 300 claimed positive covid tests that were actually negative.

September 9, 2020 — President Trump acknowledged to the journalist Bob Woodward that he had knowingly played down the coronavirus earlier this year even though he was aware it was “deadly” and vastly more serious than the seasonal flu. From [The New York Times](#):

“This is deadly stuff,” Mr. Trump told Mr. Woodward on Feb. 7 in one of a series of interviews he conducted with the president for his upcoming book, “Rage.” The Washington Post and CNN were given advance copies of the book and published details on Wednesday.

“You just breathe the air and that’s how it’s passed,” Trump said. “And so that’s a very tricky one. That’s a very delicate one. It’s also more deadly than even your strenuous flu.”

That was a vastly different story than Mr. Trump was telling the public.

“I wanted to always play it down,” Mr. Trump told Mr. Woodward on March 19. “I still like playing it down, because I don’t want to create a panic.”

ALSO — [In an Axios interview](#), the Facebook chief said he would not remove anti-vaxxer posts, even as the leading virus experts express cautious optimism that a Covid-19 vaccination may become available late this year or early next year. “If someone is pointing out a case where a vaccine caused harm or that they’re worried about it – you know, that’s a difficult thing to say from my perspective that you shouldn’t be allowed to express at all,” Zuckerberg said. But he denied that Facebook’s algorithms are designed to push viewpoints “that are going to kind of enrage people somehow, and that’s what we try to show people”. “That’s not actually how our systems work,” he added.

September 10, 2020 — Dr. Anthony Fauci, the nation's top expert on infectious diseases, said on Wednesday that people likely wouldn't be able to safely go to theaters for at least another year. "I think it's going to be a combination of a vaccine that has

been around for almost a year and good public-health measures," Fauci told Jennifer Garner, reported by [Business Insider](#). Source is an [Instagram Live performance](#).

ALSO — [Long Island Pres reports](#) that those riding on Long Island Rail Road trains, subways and buses, where bare faces are currently banned as it is, will now face a \$50 fine if they further refuse to wear a mask, according to transit agency officials and Gov. Andrew Cuomo.

September 15, 2020 — Participants in the AstroZeneca vaccine test group in Spain drop out due to an adverse reaction in one of the study participants. [From the NY Daily News](#):

Spanish clinical pharmacologist Alberto Boronia, the study's lead investigator, told Reuters that some participants "called to ask us some more detail about the risk of the vaccine, whether what happened with that vaccine had anything to do with the one we are studying, these types of questions."

Last week, British pharmaceutical giant AstraZeneca announced that trials for its COVID-19 vaccine — AZD1222 — had been halted, after a suspected adverse reaction was reported in one participant.

According to The Associated Press, around 18,000 people have received the AstraZeneca vaccine in the U.K., Brazil and South Africa. Some 30,000 volunteers are currently being recruited in the U.S.

September 22, 2020 — Peter Doshi, associate editor of the medical journal *BMJ*, and Eric Topol, Scripps Research professor of molecular medicine, have written a devastating [NY Times opinion piece](#) about the ongoing covid vaccine clinical trials. They expose the fatal flaw in the large Pfizer, AstraZeneca, and Moderna trials. [Analysis by Jon Rapoport here](#). From the op-ed:

If you were to approve a coronavirus vaccine, would you approve one that you only knew protected people only from the most mild form of Covid-19, or one that would prevent its serious complications?

The answer is obvious. You would want to protect against the worst cases.

But that's not how the companies testing three of the leading coronavirus vaccine candidates, Moderna, Pfizer and AstraZeneca, whose U.S. trial is on hold, are approaching the problem.

According to the protocols for their studies, which they released late last week, a vaccine could meet the companies' benchmark for success if it lowered the risk of mild Covid-19, but was never shown to reduce moderate or severe forms of the disease, or the risk of hospitalization, admissions to the intensive care unit or death.

To say a vaccine works should mean that most people no longer run the risk of getting seriously sick. That's not what these trials will determine

September 23, 2020 — [DW News posts a report](#) that Boris Johnson, prime minister of the UK, wants to lock the country down for six more months,

apologizing to businesses just getting back on their feet. "We must act to stop the virus."

September 24, 2020 — Boulder, Colorado bans young adults from gathering in groups of any size. [From the Denver Channel](#):

In an effort to slow the sharp rise of positive COVID-19 cases in Boulder, and transmission of those 18 to 22 years old, Boulder County Public Health issued a new public health order that prohibits all people in that age group in the city from gatherings of any size.

This applies to all indoor, outdoor, on-campus and off-campus locations in the city of Boulder, according to the order.

September 25, 2020 — Florida's Gov. Ron [DeSantis lifted all restrictions on restaurants and other businesses](#) in Florida on Friday, and banned local fines against people who refuse to wear masks as he seeks to reopen the state's economy despite the spread of the coronavirus. The Republican governor's order unleashed fresh debate in the politically divided state, where pandemic responses have become intertwined with the upcoming presidential election.

ALSO — The U.S. government updated its survival rates for the disease everyone in the world allegedly needs to be vaccinated against. If "infected" with SARS-CoV-2, meaning PCR-positive, the Centers for Disease Control and Prevention (CDC) reports survival at: **Ages 0-19, 99.997%. Ages 20-49, 99.98%. Ages 50-69 99.5%. Ages 70+ 94.6%.** Thanks [Adam Creighton](#) for digging that out. [CDC page may have updated.](#)

September 26, 2020 — [The Lancet calls "covid" a syndemic](#) rather than a pandemic. While The Lancet still cannot get away from the virus claim, this is a critical document in that it admits many facts of the problem of bogus science based on computer models. Its editor, Richard Horton, writes:

As the world approaches 1 million deaths from COVID-19, we must confront the fact that we are taking a far too narrow approach to managing this outbreak of a new coronavirus. We have viewed the cause of this crisis as an infectious disease. All of our interventions have focused on cutting lines of viral transmission, thereby controlling the spread of the pathogen. The "science" that has guided governments has been driven mostly by epidemic modelers and infectious disease specialists, who understandably frame the present health emergency in centuries-old terms of plague. But what we have learned so far tells us that the story of COVID-19 is not so simple. Two categories of disease are interacting within specific populations—infection with severe acute respiratory syndrome coronavirus 2 (SARS-CoV-2) and an array of non-communicable diseases (NCDs). These conditions are clustering within social groups according to patterns of inequality deeply embedded in our societies. The aggregation of these diseases on a background of social and economic disparity exacerbates the adverse effects of each separate disease. COVID-19 is not a pandemic. It is a syndemic. The syndemic nature of the threat we face means that a more nuanced approach is needed if we are to protect the health of our communities.

September 29, 2020 — Michael Yeadon, the former chief science officer for Pfizer, warns that the "second wave" is based on PCR false positives and that the pandemic is over. Coverage in [Hub Pages](#).

In a stunning development, a former Chief Science Officer for the pharmaceutical giant Pfizer says "there is no science to suggest a second wave should happen." The "Big Pharma" insider asserts that false positive results from inherently unreliable COVID tests are being used to manufacture a "second wave" based on "new cases."

Dr. Mike Yeadon, a former Vice President and Chief Science Officer for Pfizer for 16 years, says that half or even "almost all" of tests for COVID are false positives. Dr. Yeadon also argues that the threshold for herd immunity may be much lower than previously thought, and may have been reached in many countries already.

In an interview last week Dr. Yeadon was asked:

"We are basing a government policy, an economic policy, a civil liberties policy, in terms of limiting people to six people in a meeting...all based on, what may well be, completely fake data on this coronavirus?"

Dr. Yeadon answered with a simple "yes."

ALSO — [Letter in BMJ](#) cautions against a vaccine stampede.

When a clinically significant adverse effect of a drug or a vaccine is dismissed because it fails to reach "statistical significance" epidemiologists call the dismissal a Type 2 error. In a court of law it is equivalent to a "not guilty" verdict for a defendant who is actually guilty. This could happen with hastily approved Covid-19 vaccines, and has occurred time and again with influenza vaccines. News releases report "vaccine effectiveness/VE" but they never mention the increased risk of illness from non-influenza respiratory viruses (NIRVs) associated with influenza vaccines. Consider the following table listing studies of influenza vaccines and the risk of NIRVs.

ALSO — MTA officials hope a new report asserting that no major COVID-19 outbreak on the planet has been traced to urban mass transit systems will give New Yorkers faith the city's subways and buses are safe. The report — published Tuesday by transportation engineer and [Daily News columnist Sam Schwartz](#) — says buses and trains are safe because they're well-ventilated, and rides are relatively short.

ALSO — A group of parents in Upstate New York have [filed a lawsuit against Governor Andrew Cuomo and Howard Zucker](#), the commissioner of health, for what they claim are overly broad and "unlawful and unconstitutional" restrictions on liberty. Each parent involved in the lawsuit has children negatively affected by the lack of access to sports, religious services, band, and more. They are reportedly falling behind in their educational pursuits. One plaintiff, Hayley Reed, the mother of a special needs child with speech delays, says her child has regressed due to shutdowns and lack of access to therapy. Further, Reed reports that her child is negatively impacted by mask-wearing, which inhibits the child from reading lips.

September 30, 2020 — Fauci is [spreading panic over cold weather](#). Nobody ever talks about false positives in an article like this; Fauci knows that if there are any positives at all, somewhere around 90% are false.

Anthony Fauci, MD, says the United States is “not in a good place” entering the fall and winter because daily coronavirus case counts are regularly topping 40,000.

Fauci, director of the National Institute of Allergy and Infectious Diseases, has said the United States should have a baseline of around 10,000 new cases per day to get through the time before a vaccine becomes available.

“We’re not in a good place,” Fauci said Monday in an interview on Good Morning America. “You don’t want to be in a position like that as the weather starts getting cold. So we really need to intensify the public health measures that we talk about all the time.”

Events of October 2020 | [October Source Material](#)

October 2, 2020 — [The New York Times reports](#): "President Trump revealed early Friday morning that he and the first lady, Melania Trump, had tested positive for the coronavirus, throwing the nation's leadership into uncertainty and escalating the crisis posed by a pandemic that has already killed more than 207,000 Americans and devastated the economy." Nothing much happens; he releases a weird video, and his doctors hold a press conference, uttering the words zinc, melatonin, vitamin C and vitamin D in public, wearing white coats. They also give him a diversity of more dangerous drugs. See below. The nation first gets the news [because Trump has tweeted it](#).

October 3, 2020 — [Jon Rappoport warns](#) that doctors are endangering Pres. Trump's life by giving him remdesivir, which kills half of the people who take it. After a big drama caused by a PCR-positive and a head cold — a drama which seems designed for TV as a karmic reward for his resisting mitigation measures, and with the vaccine approaching — he returns to the White House Oct. 5.

[The Wall Street Journal reports](#):

In a briefing in front of the Walter Reed military hospital Saturday, Dr. Sean Conley said the president's symptoms of a mild cough, nasal congestion and fatigue were improving and that he hadn't had a fever for 24 hours. But he didn't give a date for the president's release and declined to provide a definitive answer on whether Mr. Trump had ever received supplemental oxygen, despite repeated pressing. Photo of the regiment treating the president is outside Walter Reed, where Trump is staying in the presidential suite.



October 9, 2020 — [California tries to ban Thanksgiving](#). This becomes a national trend, as does sheriffs saying they won't enforce state government mandates. Here are some of the rules enacted by California's Department of Public Health:

- *Gatherings that include more than **3 households are prohibited**. This includes everyone present, including hosts and guests. Remember, the smaller the number of people, the safer.*
- *Keep the households that you interact with stable over time. By spending time with the same people, risk of transmission is reduced. Participating in multiple gatherings with different households or groups is strongly discouraged.*
- *The host should collect names of all attendees and contact information in case contact tracing is needed later.*

October 14, 2020 — [A new poll](#) suggests vaccine fears are growing. With this week's pause of a second major vaccine study because of an unexplained illness — and repeated tweets from President Donald Trump that raise the specter of politics overriding science — a quarter of Americans say they won't get vaccinated. That's a slight increase from 1 in 5 in May.

October 15, 2020 — [Military.com reports](#) that it's "almost impossible to get covid-19 on an airplane." That does not stop the FAA mask order, which finally is lifted April 19, 2022.

"The favorable results are attributable to a combination of the airframes' high air exchange rates, coupled with the high efficiency particulate air (HEPA) filtration recirculation systems, and the downward airflow ventilation design which results in rapid dilution and purging of the disseminated aerosol particles," Vice Adm. Dee L. Mewbourne, deputy commander of U.S. Transportation Command, said during a virtual roundtable with reporters.

October 20, 2020 — Some of the Covid-19 vaccines currently in development could [increase the risk of acquiring HIV](#), warned a group of researchers in the *The Lancet* medical journal Monday, potentially leading to an increase in infections as vaccines are rolled out to vulnerable populations around the world. These concerns about "vaccine induced AIDS" will persist and are still a topic of discussion in 2022. *Forbes* reports how an HIV vaccine 10 years earlier had such an effect, a scandal in which CDC director James Redfield is implicated.

October 21, 2020 — Colleagues of Prof. Mark Crispin Miller [send a letter to New York University Deam Jack Knott and Provost Katherine Flemming](#) making a diversity of allegations about him and his teaching, which he asserts are false. Miller provides the details in this [interview on Planet Waves FM](#).

ALSO — Gloria and Paul Barton are arrested at Mother Earth's Storehouse in the Town of Ulster, New York, for refusing to wear masks while shopping. Both had medical exceptions to masking and were in compliance with the executive order.

The couple refused to enter pleas, meaning they did not submit to the jurisdiction of the court and arraignment was never completed. Legal sessions were held outside on the courthouse porch because the Barton's refused to wear masks,

which were required to enter the building. As of mid-2022 the case remains unresolved, though Mrs. Barton had died of her illness. Joe Barton has still not entered a plea. The case is sandbagged.

The [Daily Freeman](#) reported,

According to the trespassing complaint, Schneider asked the Bartons to leave the store in accordance with a state health code that states “any person who is over age 2 and able to medically tolerate a face covering shall be required to cover their nose and mouth with a mask or face covering when in a public place and unable to maintain, or when not maintaining, social distance.”

And:

Both Bartons accused the judge of “acting in a criminal manner” and called the proceeding a “kangaroo court.”

“I don’t plead,” Joseph Barton said. “We’re the victim of a false arrest. There is no law that says we have to wear a mask. Mr. Schneider had me arrested for not wearing a mask. There’s no law. There is no violation.”

After several minutes during which neither Barton would enter a plea or cooperate with the judge, Ulster County Assistant District Attorney William Ghee offered to sit down with the defendants in an effort to reach a consensus.

ALSO — [Sea Technology reports](#) that horse shoe crabs, needed for testing vaccines, are in short supply, which took 450 million years to finally run low.

Extremely sensitive to toxins, Limulus amoebocyte lysate, or LAL, is the unique blue blood contained within the horseshoe crab. When the time comes to deploy the COVID-19 vaccine, every single vaccine will have to be manufactured without contamination, using horseshoe crab blood, in order to prevent sepsis.

Tanacredi explained horseshoe crabs have been playing a vital role in the biomedical industry for the past 40 years. But, with only four species of horseshoe crabs in existence, scientists have noticed a decline in all these species.

ALSO — Purdue Pharma, the maker of OxyContin, has agreed to plead guilty to three federal criminal charges for its role in creating the nation’s opioid crisis and will pay more than \$8 billion and close down the company. The money will go to opioid treatment and abatement programs. The privately held company has agreed to pay a \$3.5 billion fine as well as forfeit an additional \$2 billion in past profits, in addition to the \$2.8 billion it agreed to pay in civil liability

October 22, 2020 — The Borough of Narberth, PA valiantly [joins the global struggle against the virus](#) by imposing a \$15 fine for people who are not wearing a mask. Under 2 and medical issues are except. In a TV report, residents say they are not happy with the order.

October 24, 2020 — U.S. military personnel [won't be administering any COVID-19 vaccines](#) to the American people once the vaccines are approved for use. But the

U.S. military will lend it's experienced hand in logistics to ensure the vaccine is available across the nation, said Paul Mango, the deputy chief of staff for policy at the Department of Health and Human Services. Military brass see the public relations issue that politicians do not.

October 25, 2020 — *The New York Times* [again reports on the false positive problem](#) with the PCR. False negatives are not really an issue, but the Times loves to stay balanced by blending truth with fiction.

In the high-stakes world of [coronavirus testing](#), one mistake has taken center stage: the dreaded false negative, wherein a test mistakenly deems an infected person to be virus-free

These troublesome results, experts have said, can deprive a person of treatment and embolden them to mingle with others, hastening the spread of disease.

But false negatives are not the only errors bedeviling coronavirus diagnostics. [False positives](#), which incorrectly identify a healthy person as infected by the virus, can have serious consequences as well, especially in places where the virus is scarce.

ALSO — In South Korea, public anxiety over the safety of flu vaccine has surged after at least 59 people died this month following vaccinations, while last month about 5 million doses had to be disposed of as they were not stored at recommended temperatures, [according to Associated Press](#). Singapore [suspends using the vaccines](#) after reports that 48 injection recipients died.

October 26, 2020 — [Spain declares state of emergency](#), potentially for six months, due to rising "cases" everyone knows are false positives. The new trend is to declare curfews, because viruses only travel during the day.

Spain began its first nationwide curfew on Sunday night after the government declared a new state of emergency, as it continues to battle a resurgence of coronavirus cases.

Free movement on the streets is restricted from 11 pm until 6 am CET, and is likely to remain in place for six months according to Prime Minister Pedro Sánchez.

The curfew allows exceptions for commuting to work, buying medicine, and caring for elderly and young family members.

October 27, 2020 — Newark, New Jersey is [ordered into a partial shutdown](#) by its mayor, Ras Baraka, a Democrat.

On Tuesday at 8 p.m., the state's first new shutdown order since March took hold in the city by order of the mayor, Ras Baraka, a Democrat.

New Jersey's governor, Philip D. Murphy, has so far avoided the targeted shutdowns that states like New York and Connecticut have begun enforcing to address virus hot spots, but he said he supported the steps Mr. Baraka was taking to tame the outbreak. Mr. Murphy and Gov. Andrew M. Cuomo of New York have consulted on the surge in Newark.

Under the order, restaurants and other nonessential businesses citywide must close to indoor customers at 8 p.m. daily, and parks within the one city ZIP code that encompasses the Ironbound — 07105 — are off limits for sporting events, including youth team practices and games.

Newark's hair and nail salons may stay open by appointment only, and health clubs must close down for 30 minutes each hour to sanitize equipment.

ALSO — Long-term exposure to air pollution may be linked to 15 percent of covid deaths globally, [according to a new study](#). Published in the journal *Cardiovascular Research* on Tuesday, the research from German and Cypriot experts analyzed health and disease data from the United States and China relating to air pollution, COVID-19 and SARS – a respiratory illness similar to the new coronavirus disease.

ALSO — Former British judge Jonathan Sumption says that the [government stoked fears to abuse its power](#) for the sake of creating an authoritarian regime.

The government has deliberately stoked fear over coronavirus while behaving like an authoritarian regime relying on police state tactics, according to the former supreme court justice Jonathan Sumption.

In his most forceful critique to date of the government's handling of the pandemic, the outspoken lawyer condemned the way "the British state exercised coercive powers over its citizens on a scale never previously attempted".

Delivering the Cambridge Freshfields annual law lecture, Lord Sumption said: "The ease with which people could be terrorized into surrendering basic freedoms which are fundamental to our existence ... came as a shock to me in March 2020."

October 28, 2020 — France and Germany ordered back under lockdown due to PCR positives. French President Emmanuel Macron and German Chancellor Angela Merkel ordered their countries back into lockdown on Wednesday, as a massive second wave of coronavirus infections threatened to overwhelm Europe before the winter. World stock markets went into a dive in response to the news that Europe's biggest economies were imposing nationwide restrictions almost as severe as the ones that drove the global economy this year into its deepest recession in generations. [See Reuters report](#). Also [see CNN report](#).

ALSO — Yet another study saying that [covid tests do not work](#).

BERLIN (Reuters) - Germany's government defended the accuracy of its coronavirus testing procedures on Wednesday, after a Bavarian laboratory delivered a run of false positives that it blamed on pressure of work and a shortage of reagents.

The MVZ Laboratory in Augsburg made wrong diagnoses in 58 of 60 tests it identified as positives over a one-week period - an anomaly that came to light after a hospital become suspicious of the results and retested the patients.

"It was not always possible to double check the positive results in a timely

manner due to the high number of samples and the lack of equipment,” the lab’s Managing Director, Gabriele Schoen, told Munich daily *Muenchner Merkur*.

October 29, 2020 — [Matt Taibbi reports](#) that Glenn Greenwald, who famously covered Ed Snowden's defection from the NSA for *The Guardian*, and exposed massive spying on the American public, resigns from *The Intercept*, the publication he founded, and moves his publishing operation to Substack.

[Pulitzer Prize-winning](#) journalist Glenn Greenwald quit his job this morning. In a bizarre, ironic, and disturbing commentary on trends in modern media, the celebrated reporter was forced to resign after writing a story criticizing both the Biden campaign and intelligence community — only to have it spiked by the editors of *The Intercept*, the news outlet he co-founded six years ago with the aim of preventing pretty much this exact situation.

ALSO — [MIT says it has a voice test for covid](#). Asymptomatic people who are infected with Covid-19 exhibit, by definition, no discernible physical symptoms of the disease. They are thus less likely to seek out testing for the virus, and could unknowingly spread the infection to others. But it seems those who are asymptomatic may not be entirely free of changes wrought by the virus. MIT researchers have now found that people who are asymptomatic may differ from healthy individuals in the way that they cough. These differences are not decipherable to the human ear. But it turns out that they can be picked up by artificial intelligence. [More coverage](#).

October 30, 2020 — Mexico closes cemeteries for Day of the Dead, proving that nothing at all is too ridiculous. [Washington Post reports](#): Cemeteries have been ordered closed on Sunday, so Elvira Rosas went early. The Mexico City woman laid flowers on the graves of her father and grandparents last week and felt some welcome reprieve from the chaos of this pandemic year. Still, it saddens her to think about Sunday evening, the start of Mexico’s Day of the Dead, when by tradition the spirits of loved ones return to commune with their families for festive graveside reunions, and Rosas and her children will be absent. “I wish we could be there to welcome them,” she lamented.

October 31, 2020 — Reports on a [study published in BMJ](#) that says your grocery clerk [probably has covid](#).

Events of November 2020 | [November Source Material](#)

November 1, 2020 — Proving that nobody is immune from the PCR-created false casademic, the [World Health Organization chief said late Sunday that he was self-quarantining](#) after someone he had been in contact with tested positive for Covid-19, but stressed he had no symptoms.

"I have been identified as a contact of someone who has tested positive for #COVID19," Tedros Adhanom Ghebreyesus said in a tweet. "I am well and without symptoms but will self-quarantine over the coming days, in line with @WHO protocols, and work from home," he added.

ALSO — Gov. Andrew Cuomo announced that out-of-state visitors to New York [must test negative for the coronavirus](#) three days before they arrive in New York. This a change from the New York's former travel advisory list that required that visitors from states with high coronavirus rates quarantine for 14 days after arrival. Did anyone actually do this? Ever? If you did, please write to us.

November 2, 2020 — *The New York Times* [continues its intrepid reporting about tests](#), saying that results of PCRs do not square with results of antibodies tests. They are already on record saying that the PCR gets between 90% false positives and 100% false positives. From the article:

A new study casts doubt on whether rapid tests perform as promised under real-world conditions, especially when used in people without symptoms.

In a head-to-head comparison, researchers at the University of Arizona found that, in symptomatic people, a rapid test made by Quidel could detect more than 80 percent of coronavirus infections found by a slower, lab-based P.C.R. test. But when the rapid test was used instead to randomly screen students and staff members who did not feel sick, it detected only 32 percent of the positive cases identified by the P.C.R. test.

November 3, 2020 — A Sutter County court has ruled that California Governor Gavin Newsom's overstepped his authority in his use of executive orders. Newsom has reportedly issued "more than 50 executive orders involving the COVID-19 pandemic that address a range of issues including price gouging and halting evictions" after he declared a state of emergency in March.

November 5, 2020 — *Per a report in [The Guardian](#)*, The future market for Covid-19 vaccines could be worth more than \$10bn (£7.6bn) in annual revenues for pharmaceutical companies, according to industry experts, even though some drug makers have pledged to provide their vaccines on a not-for-profit basis during this pandemic.

ALSO — Paris joins the nighttime lockdown trend. Blames its "outbreak" on delivery drivers. [From Reuters](#):

Paris will ban delivery and takeaway services for prepared food and alcohol between 10 p.m. and 6 a.m. from Friday to limit the spread of the coronavirus, which has infected a record number of 58,046 people nationally over 24 hours on Thursday.

The police prefecture also said the sale and consumption of alcoholic drinks in public spaces would be banned at night starting on Friday.

President Emmanuel Macron imposed a new lockdown last month, forcing non-essential shops – such as those not selling basic foods or medicines – to close, and making people use signed documents to justify being out on the streets.

November 7, 2020 — Joe Biden elected 46th president of the United States.

"For all those of you who voted for President Trump, I understand the disappointment tonight," Mr. Biden, speaking at the conclusion of his third run for the presidency, said. "I've lost a couple times myself. But now, let's give each other a chance. It's time to put away the harsh rhetoric, lower the temperature, see each other again, listen to each other again."

He added, "This is the time to heal in America."

Mr. Biden's optimistic speech, flecked with references to faith and American history, came 48 years to the day after he was first elected a senator from Delaware. He spoke from a flag-bedecked stage outside the Chase Center on the Riverfront, an event center near the Christina River, where he invoked themes that shaped his presidential campaign.

November 9, 2020 — Biden [announces details of his covid advisory board](#), saying it will take a more nuanced approach.

ALSO — Pfizer [claims its vaccine is 90% effective](#) in preventing transmission. In 2020, everyone will agree that none of the vaccines prevent transmission.

ALSO — Utah's governor orders the state back into masks. [From NPR](#): "Utah Gov. Gary Herbert has announced a new statewide mask mandate and additional measures to curb the spread of the coronavirus amid a steep spike in COVID-19 cases in the state. Under the new mask requirement, all Utah residents must wear masks in public and when within 6 feet of anyone they don't live with. In an address Sunday evening, Herbert said the measures were necessary to relieve the overwhelming burden on the state's hospitals and medical professionals."

ALSO — Culling of 15 [million minks begins in Denmark](#).

November 10, 2020 — [New study](#) pretends covid cellphone surveillance is crucial for identifying obvious social inequities and distinguishing infection risk at venues.

On Tuesday, the journal *Nature* published findings from a study tracking people's movements through cellphone data from March through May. The paper justifies the surveillance by claiming that the research reveals insights into demographic disparities

and the riskiest indoor venues: "By capturing who is infected at which locations, our model supports detailed analyses that can inform more effective and equitable policy responses to COVID-19."

November 11, 2020 — [New York joins Lockdown 2.0](#), ordering bars, restaurants, gyms and home parties to close at 10 pm. For those reading in the distant future on another planet, yes, people asked what the time of day has to do with the spread of a virus, especially with gymnasiums (for example) being empty at 11 pm. The press reports on this order with no sense of irony.

With coronavirus cases surging in New York and across the country, Gov. Andrew M. Cuomo said on Wednesday that private indoor and outdoor gatherings statewide would be limited to 10 people and that gyms, bars and restaurants must close daily at 10 p.m.

The restrictions will take effect Friday, and Mr. Cuomo said that local governments will be responsible for enforcing them. The limit on gatherings will apply to private homes. The curfew will apply only to bars and restaurants licensed by the state liquor authority, and restaurants can continue to provide takeout and delivery after 10 p.m., but only for food.

Mr. Cuomo said that officials were moved to announce the new restrictions as they confronted an increase in cases.

"Bars, restaurants, gyms, house parties," Mr. Cuomo said on a conference call with reporters. "That's where it's coming from, primarily."

November 12, 2020 — [Business Insider reports](#) that Pfizer's CEO cashed out 60% of his stock the day the company unveiled the results of its vaccine trial. This is a big discussion point at the time.

ALSO — [The New York Times runs yet another article on false positives](#).

The genome of the coronavirus is written in RNA, a close cousin of the DNA found in human cells, and is relatively fragile in its natural state. Converted to DNA, however, the virus's genes can linger for long periods on surfaces, objects and passers-by, perhaps after being splashed or sprayed out of lab equipment.

After the spate of positive test results this summer, researchers at the Wyss Institute and the Church Lab, led by the virologist Lindsey Robinson-McCarthy, started to survey their surroundings for genetic residue. Wayward bits of DNA, they found, had made their way onto equipment, sinks, door handles, backpacks and clothing. A few fragments even hitchhiked home with one researcher, contaminating a doormat that then deposited the molecules onto the shoe of an unwitting family member.

"It was everywhere," said Gabriel Filsinger, a member of the Church Lab who has been working with coronavirus genetic material and tested positive in June. "It went further than we would ever imagine. My backpack has been continuously positive this entire time."

ALSO — JUPITER CONJUNCT PLUTO #3 OF 3 [astr]

November 13, 2020 — Russian and North Korean government operatives have attempted to breach seven high-profile companies developing coronavirus vaccines and treatments and have succeeded on several occasions, Microsoft said Friday. “The targets include leading pharmaceutical companies and vaccine researchers in Canada, France, India, South Korea, and the United States,” Tom Burt, Microsoft’s corporate vice president of customer security and trust, [wrote in a blog post](#). They have computers in North Korea?

November 14, 2020 — [The Washington Post reports](#) that many states are locking down due to a new surge in PCR positives. From the article:

New Mexico Gov. Michelle Lujan Grisham (D) said the state is at a “breaking point” and reinstated the most heightened public health restrictions, including prohibiting on-site dining and requiring nonessential businesses to close their physical locations. The state recorded 1,742 coronavirus cases Thursday, a record.

Late Friday, North Dakota Gov. Doug Burgum (R) issued a statewide mask mandate after months of resistance. It will last until Dec. 14. Burgum also limited bar and restaurant capacity to 50 percent and suspended high school winter sports for a month. Cases in North Dakota have increased 60 percent in the past month and Burgum said this week that hospitals are so strained the state will allow health care workers to continue working after they test positive. Burgum’s spokesman said it is a potential short-term tool.

Officials say they are making such decisions under considerable pressure.

Chicago Mayor Lori Lightfoot (D) said she called for lockdowns only after experts showed her projections that at least 1,000 people could die by year’s end unless the city took immediate action.

“If the possibility of 1,000 more people dying doesn’t grab you by the throat as it did me when I started to see that model, there’s very little we can do to move you,” she said. “People are dying. We’re seeing a daily uptick. This is literally a matter of life and death.”

November 15, 2020 — After promising that everything would go back to normal once the vaccine was released, Fauci says you will still need to wear masks and practice social distancing even after you get injected. He made the remarks to Jake Tapper on “State of the Union.” See [coverage in The Hill](#), with video.

November 16, 2020 — Moderna claims its vaccine reduces risk of infection by 94.5%. Here is [coverage from STAT News](#), and here is the official [press release from Business Wire](#).

Moderna’s vaccine against Covid-19 is strongly effective, the company said Monday, building excitement about the potential of controlling the global pandemic.

The news comes exactly a week after results from Pfizer and BioNTech, which announced broadly similar results.

The Moderna vaccine reduced the risk of Covid-19 infection by 94.5%. There

were 95 cases of infection among patients who received placebo in the company's 30,000-patient study. There were only five infections in patients who developed Covid-19 after receiving Moderna's vaccine, mRNA-1273.

Anthony Fauci, director of the National Institute of Allergy and Infectious Diseases, admitted the preliminary data for the Moderna and the Pfizer vaccines — the only two so far to have early estimates of vaccine efficacy — are better than he had anticipated.

November 17, 2020 — A [study from Cardiff University](#) says that ordinary mouthwash can kill SARS-CoV-2. Who needs a global lockdown? Listerine kills germs! [Here is a link to the full study](#). From CNBC:

Commonly-used mouthwashes are able to kill the coronavirus within 30 seconds of exposure in laboratory conditions, a new study from scientists in the U.K. has found.

The study from Cardiff University, which has not yet been peer-reviewed or published in a medical journal, suggests that some widely-available mouthwashes could help to kill the virus in saliva. However, this does not mean they would be able to treat the virus within the body, or act as a cure.

The preliminary results come ahead of a clinical trial at the University Hospital of Wales that will examine how effective mouthwash is in reducing the amount of coronavirus found in the saliva of Covid-19 patients.

November 18, 2020 — *New York Times* claims that the virus has killed 250,000 Americans — about 1,900 a day, at the time. They all should have gargled. CDC approves first at-home test. Mayo Clinic claims hundreds of infections among its staff. Pfizer claims its injection is safe and 95% effective. Boston's mayor says students going home for Thanksgiving should not return to campus any time soon. [Coverage of all is here](#).

November 19, 2020 — New York City public schools [shut down for a second time](#).

November 20, 2020 — The eminent British journal *Nature* (founded in 1869) published a new study of nearly 10 million people in one city demonstrating that there is [no asymptomatic spread of the claimed virus](#). This is not based only on who "tested positive" but who rather tested positive and actually got sick — and what happened next. The question of asymptomatic spread surfaced many prior times in 2020, and is now understood to be a contrivance of Neil Ferguson of the Imperial College, in his computer models predicting massive death and devastation.

ALSO — Canada gets into the swing of things and [starts to lock down](#) for a second time, beginning with Toronto. They are going to flatten the curve: "OTTAWA (Reuters) - Prime Minister Justin Trudeau said on Friday that Canada's hospital system could be overwhelmed by a possible quadrupling of new COVID-19 cases by year end as its biggest city Toronto prepared to impose a lockdown."

ALSO — [Mac's Public House](#) on Staten Island [declared itself "an autonomous zone,"](#) in response to what they believe is the city and state government's overstepping their bounds in regards to the covid-19 health restrictions imposed on the

restaurant and bar industry. You can follow the saga via Mac's YouTube channel. [\[we need this source, assuming the channel has not been pulled\]](#)

November 22, 2020 — The *Johns Hopkins News-Letter* [publishes a study](#) — a review of official government death statistics — saying that there were no excess deaths in any age category in 2020. Hopkins retracts the study and directs people to the CDC website, which claims there were excess deaths, but makes no accounting of what calculation error it might have made. This is supported by many other statistical analyses that say there were no excess deaths in 2020, and in many areas, they declined. All-cause mortality will not increase until 2021, after the rollout of the injections.

November 23, 2020 — [CNBC runs an article](#) saying doctors should warn people about the side effects of a 'covid' 'vaccine. Yet the injection is universally touted as perfectly safe. Deaths from the "covid" injection during the first year will be more than double those of every vaccine product for the past 30 years, when the federal government started keeping track.

Public health officials and drug makers need to warn people that coronavirus vaccine shots may have some rough side effects so they know what to expect and aren't scared away from getting the second dose, doctors urged during a meeting Monday with CDC advisors.

The recommendations come as states prepare to distribute the potentially life-saving vaccinations as early as next month.

Dr. Sandra Fryhofer of the American Medical Association said both Pfizer's and Moderna's Covid-19 vaccines require two doses at varying intervals. As a practicing physician, she said she worries whether her patients will come back for a second dose because of the potentially unpleasant side effects they may experience after the first shot.

November 23, 2020 — In a development that should rightly win a comedy award, Peter Daszak, the head of EcoHealth Alliance — recipients of more than \$40 million in U.S. government funding for gain of function research — [is named head of The Lancet's investigation into the lab release theory](#). Now, this is not an official government investigation; *The Lancet* is a medical journal. Yet it is Daszak who should be the very center of the lab release situation, as it is company that has worked with the Wuhan Institute of Virology in the gain of function projects that are believed to be the source of any potential laboratory release of the phantom virus. There is a great tradition of putting the lead suspect in charge of the inquiry, or so I am told. If you've heard of this, please send a postcard.

ALSO — Mac's Public House in Staten Island, New York City, asserts that it is not closing. "The zone may be 'Orange,' but this restaurant not shutting its doors" | [Pamela's Food Service Diary](#) [mac]

November 24, 2020 — United Kingdom says it [will restrict "covid" requirements to save Christmas](#).

LONDON ([Reuters](#)) - The four nations of the United Kingdom have agreed to relax COVID-19 restrictions for Christmas to allow up to three households to meet at home for five days.

England, Scotland, Wales and Northern Ireland have taken differing approaches to handling the pandemic so far but the leaders of the devolved nations reached agreement with London on Tuesday on rules governing the festive period.

Three households will be able to form a "Christmas bubble", allowing them to meet up at home, places of worship and in outdoor public places but not at indoor hospitality or entertainment venues from Dec. 23 until Dec. 27 under the plans.

November 26, 2020 — Supreme Court ends ban in religious gatherings in New York. After officials here arrested people for attending the funeral of a rabbi, and fined a synagogue for holding a wedding, the Supreme Court has reminded Gov. Andrew Cuomo about the fundamental values of the United States. From *The New York Times*:

In a 5-4 ruling Wednesday, the court held that Cuomo's restrictions on religious gatherings — which are by fiat, not acts of the legislature — violated the United States Constitution. The first words in the Bill of Rights prohibit the government from making any law "respecting an establishment of religion or exercising the free exercise thereof."

Recently, Associate Justice Sam Alito signaled how he might vote if the religious freedom issue came before the court again.

"Whenever fundamental rights are restricted, the Supreme Court and other courts cannot close their eyes," Justice Alito said this month, rejecting the view that "whenever there is an emergency, executive officials have unlimited, unreviewable discretion."

November 27, 2020 — Fauci and WHO announce that [Santa is immune from covid](#). It's the one true statement they have made.

November 28, 2020 — [Corman Drostén retraction demand](#) published by a group of 22 life scientists, establishing that the protocols of the WHO PCR assay are so useless as to be fraudulent. They demand the retraction of the official paper published in *Eurosurveillance* falsely establishing the existence of the virus, its pathogenicity, and an alleged PCR test.

"Over one hundred governments have used these results to apply unprecedented measures to control transmission; such as lockdowns which have irreparably impacted millions of lives and livelihoods and direct attacks on people's basic rights and personal freedoms, further resulting in catastrophic damages for entire economies," the consortium writes in its report.

The Nov. 28 demand for retraction by European scientists is the first technical analysis by molecular biologists and doctors that explains why so many false positives happen, and why they are worse in the case of the Covid version of the PCR.

"These are severe design errors, since the test cannot discriminate between the whole virus and viral fragments. The test cannot be used as a diagnostic for SARS-viruses," the authors wrote.

The authors conclude that the problems they detail "render the entire test-protocol useless with regards to delivering accurate test-results of real significance in an ongoing pandemic."

This is the same protocol endorsed by the World Health Organization and which is being used in nearly every country. For what it's worth, the Supreme Court of Portugal ruled that the test is so unreliable [it cannot be used to quarantine people](#).

ALSO — As the number of new PCR positives continued to rise in [Los Angeles County](#), health officials issued a temporary and limited stay-at-home order Friday that will take effect Monday, [according to the LA Times](#).

The restrictions, which will last for three weeks, are not as severe as those imposed [in the spring](#). "Residents are advised to stay home as much as possible and always wear a face covering over their nose and mouth when they are outside their household and around others," the county Department of Public Health said. The order prohibits all public and private gatherings with individuals not in the same household, except for religious services and protests.

November 30, 2020 — The drug maker Moderna [said it applied to the Food and Drug Administration on Monday](#) to authorize its coronavirus vaccine for emergency use, the health secretary Alex M. Azar II reiterated that distribution would begin quickly after the expected approvals of the Moderna and Pfizer vaccines vaccine.

ALSO — New York University professor of communications and film Mark Crispin Miller [brings a libel suit](#) against his colleagues for their Oct. 21, 2020 letter to university administrators. He tells the story in this [Planet Waves FM interview](#).

ALSO — Dr. Scott Atlas [resigned as special adviser](#) on the coronavirus to President Donald Trump, a White House official said on Monday, after a controversial four months during which he clashed repeatedly with other members of the coronavirus task force.

ALSO — Study is published in the journal *Clinical Infectious Diseases* saying the claimed coronavirus was present in the United States [as early as December 13, 2019](#).

ALSO — Mac's Public House in Staten Island, New York City, [defies law, stays open in 'Orange Zone'](#); Liquor license pulled and \$10,000-a-day fine possible. [Mac]

December 2020 | [December Source Material](#)

December 1, 2020 — U.S. pharmaceutical giant Pfizer and its German partner BioNTech [said they have applied to the European Medicines Agency for the conditional marketing authorization](#) of their coronavirus vaccine. If the authorization is granted, it could enable use of the vaccine in Europe this month, BioNTech said. Such authorization is granted to medicines “that address unmet medical needs of patients on the basis of less comprehensive data than normally required,” the EMA says on its website.

ALSO — The ex-Pfizer head of respiratory research Dr. Michael Yeadon (a co-author of the retraction paper from late November), and the lung specialist and former head of the public health department Dr. Wolfgang Wodarg, filed an application with the EMA, the European Medicine Agency responsible for EU-wide drug approval, [for the immediate suspension of all SARS CoV 2 vaccine studies](#), in particular the BioNTech/Pfizer study on BNT162b (EudraCT number 2020-002641-42). Dr. Wodarg and Dr. Yeadon demand that the studies – for the protection of the life and health of the volunteers – should not be continued until a study design is available that is suitable to address the significant safety concerns expressed by an increasing number of renowned scientists against the vaccine and the study design.

ALSO — Stephen Hahn, head of the FDA, is summoned to the White House, under pressure to authorize covid injection emergency use. [From AP](#):

U.S. pharmaceutical giant Pfizer and its German partner BioNTech said they have applied to the European Medicines Agency for the conditional marketing authorization of their coronavirus vaccine.

If the authorization is granted, it could enable use of the vaccine in Europe this month, BioNTech said.

Such authorization is granted to medicines “that address unmet medical needs of patients on the basis of less comprehensive data than normally required,” the EMA says on its website.

December 1, 2020 — In Staten Island, New York City, Mac’s Public House owner [taken away in handcuffs](#) as business protests dining mandates [Mac]

December 2, 2020 — UK becomes the first country in the world to approve the Pfizer/BioNTech jabs. [BBC reports](#):

Britain's medicines regulator, the MHRA, says the jab, which offers up to 95% protection against Covid-19 illness, is safe to be rolled out. The first doses are already on their way to the UK, with 800,000 due in the coming days, Pfizer

said. Health Secretary Matt Hancock said the NHS will contact people about jabs. Elderly people in care homes and care home staff have been placed top of the priority list, followed by over-80s and health and care staff.

ALSO — UK vaccine minister says that people who are not injected may be refused for entry into sports venues, restaurants, pubs and other locations. [The Guardian reports](#):

Customers who have refused a Covid-19 vaccine could be turned away by hospitality and sports venues, the government's vaccine minister has suggested, as he discussed the idea of using technology to reopen the economy. Nadhim Zahawi, who was appointed on Saturday to be responsible for overseeing the rollout of the jab, said that while having the vaccine would not be compulsory, businesses such as pubs and restaurants might require proof that people have been vaccinated before allowing them in.

ALSO — Hours after UK approves shots, Putin [calls for mass injections to begin](#) in Russia.

ALSO — The Centers for Disease Control and Prevention is [shortening the recommended quarantine period](#) from 14 days after a person has been exposed to the coronavirus, offering two alternatives, the agency said Wednesday. The first alternative is to end quarantine after 10 days if no symptoms are reported, Dr. Henry Walke, the CDC's Covid-19 incident manager, said on a call with reporters. The second option is to end quarantine after seven days if an individual tests negative and also reports no symptoms.

December 3, 2020 — Just in time for the jabs, Californians will soon be [asked to comply with strict limits on community outings](#), travel and in-person shopping under a statewide order issued Thursday by Gov. Gavin Newsom, a set of new and far-reaching restrictions tied to regional strains on critical care services as COVID-19 cases continue to rise. The rules, which take effect Saturday, are designed to last for at least 21 days once local critical care facilities approach capacity. But with so many hospitals in the state experiencing a rapid surge of patients with the disease, the "regional stay-at-home" order described by Newsom is likely to limit activities across California throughout the holiday season and possibly into the new year.

ALSO — Biden issues his [100 days of masking decree](#). We shall all wear masks through May, he thinks. Several states revive mask orders in honor of the party line.

ALSO — Florida [requires cycle threshold to be reported](#) with test results. [Here is the full memo](#).

December 5, 2020 — [Bargoers pack Mac's Public House](#) Friday night despite order to close. [mac]

December 6, 2020 — [News roundup from Children's Health Defense](#) for this day is worth reading, and you will love it if you like the sensation of your head spinning. It is just a clue how much is missing from this chronology.

December 7, 2020 — Staten Island bar owner [speaks out about the closing of his business](#). [mac]

ALSO — Florida [police raided the home of a former state coronavirus data scientist on Monday](#), escalating a feud between the state government and a data expert who has accused officials of trying to cover up the extent of the pandemic. The Florida Department of Law Enforcement executed a search warrant Monday morning at the home of data scientist Rebekah Jones, who was fired by the state Department of Health in May. The agency is investigating whether Jones accessed a state government messaging system without authorization to urge employees to speak out about coronavirus deaths, according to an affidavit by an agent working on the case.

December 8, 2020 — The Food and Drug Administration has found that there are ["no specific safety concerns" that would stop the agency from approving the COVID-19 vaccine made by Pfizer and BioNTech for emergency use](#). Career scientists at the FDA analyzed the data from the ongoing Pfizer trial to form their own conclusions about its safety and efficacy. Stephen Hahn, who heads the FDA, says the public analysis is a "very, very important part of our promise to the American people that we won't cut corners in how we assess the safety and effectiveness of a vaccine." Polling from November shows about [40% of Americans are hesitant](#) to take one.

December 9, 2020 — [The New York Times reports](#) that intensive care beds are running out due to covid. [Jeremy Hammond points out](#) that this is typical, having nothing to do with covid. Here are New York's ICU numbers the day of publication, sent to me by Gov. Cuomo's press team. At least in New York the epicenter and symbol of the crisis, fully one-third of ICU beds are available the day the story comes out. That receives no mention whatsoever. ICUs are designed to be small as a cost-savings measure. Society could have all the ICU beds it wanted, if hospital management companies and insurers were willing to allocate the floor space, equipment and personnel. That there are relatively few ICU beds compared to demand is a product of longterm cost savings more than anything. Simply put, society is intentionally underprepared for a pandemic.

Region	Total ICU Beds in Region	Total Occupied ICU Beds in Region	Percent of ICU Beds Available in Region (7-day Avg)
Capital Region	313	187	44%
Central New York	290	198	33%
Finger Lakes	506	270	58%
Long Island	808	608	25%
Mid-Hudson	747	378	48%
Mohawk Valley	129	100	25%
New York City	2361	1773	26%
North Country	73	38	53%
Southern Tier	129	90	34%
Western New York	619	286	49%
NYS TOTAL	5975	3928	36%

ALSO — Britain's medicine regulator said anyone with a history of anaphylaxis to a medicine or food should [not get the Pfizer-BioNTech COVID-19 vaccine](#), giving fuller guidance on an earlier allergy warning about the shot. "Any person with a history of anaphylaxis to a vaccine, medicine or food should not receive the Pfizer BioNTech vaccine," MHRA Chief Executive June Raine said in a statement. However, this warning is not spread internationally.

ALSO — [Canada authorizes use of Pfizer vaccine](#). Canada became the third country to authorize use of the Covid-19 vaccine produced by Pfizer Inc. and BioNTech SE, racing ahead of the U.S. Food and Drug Administration and Europe's main regulator to approve shots for its most vulnerable citizens.

ALSO — The Department of Defense [aims to administer just under 44,000 doses of Pfizer's coronavirus vaccine](#) within 24 to 48 hours of authorization for emergency use. U.S. Food and Drug Administration officials have said they will make a decision soon after they hear from an advisory committee which meets Thursday. The vaccine will be distributed through 16 DOD installations, 13 in the U.S and three overseas. The facilities selected are in California, Florida, Indiana, Maryland, New York, North Carolina, Texas, Virginia and Washington, director of the Defense Health Agency Army Lt. Gen. Ronald Place said in a news conference Wednesday.

ALSO — Trial participants [warn of intense symptoms](#) after second dose of Pfizer jab.

December 10, 2020 — FDA holds [public hearings on the injections](#). FDA advisory panel [endorses Pfizer/BioNTech injection](#).

December 12, 2020 — FDA [officially authorizes the first covid injection](#) — the Pfizer shot. [From the Washington Post](#):

The Food and Drug Administration on Friday gave emergency use authorization to the nation's first coronavirus vaccine, launching what scientists hope will be a critical counteroffensive against a pathogen that has killed more than 290,000 Americans, shredded the nation's social and political fabric and devastated the economy.

The historic authorization of the vaccine from Pfizer and BioNTech for people age 16 and older, just 336 days after the [genetic blueprint of a novel coronavirus was shared online by Chinese scientists](#), sets in motion a highly choreographed and complex distribution process aimed at speeding vaccines throughout the United States to curb the pandemic.

The FDA action came after White House Chief of Staff Mark Meadows on Friday told FDA commissioner Stephen Hahn to be prepared to submit his resignation if the agency did not clear the vaccine by day's end, according to people familiar with the situation who spoke on the condition of anonymity because they were not authorized to discuss what happened.

December 13, 2020 — Absurd [interview with Bill Gates](#) on Jake Tapper on CNN. He says masks have no downside. "We concede that this will end, but you don't want someone you love to be the last to die of coronavirus." Reminds me of John

Kerry as head of Vietnam Veterans Against the War: "How do you ask a man to be the last man to die for a mistake?"

ALSO — *Off-Guardian* asks, [Why this campaign of terror?](#)

Why this campaign of terror, you have to ask? Why, in the midst of a genuine pandemic, would anyone need to be reminded unceasingly that death is dogging their footsteps? That at any moment The Virus, wafted abroad by some super-spreader passed fleetingly in the street, might be insinuating itself into one's body – or, worse, that we ourselves, infected but unaffected, might be silently contaminating a loved-one?

The short answer is, they wouldn't. In a genuine pandemic, this constant mental battering would be superfluous. If the Black Death were raging outside my door, government would know full well that they didn't have to fork out millions to convince me to stay inside; more likely, they would have to pay me to leave the house.

December 14, 2020 — Sandra Lindsay, a nurse at Long Island Jewish Medical Center, becomes the first New Yorker to get the jab. Note the reference to the "second, final dose" in the text. There was no discussion of booster shots at this time. That was bait and switch. [See video](#). From [The Gothamist](#):

A nurse at a hospital in Queens, which was once the epicenter of the COVID-19 pandemic, became the first person in the United States to receive a vaccination outside of clinical trials.

Her first-dose shot, which was broadcast live, comes nearly 10 months after the first confirmed coronavirus infection in the state kicked off a devastating pandemic that has killed more than 24,000 New Yorkers. She will require a second, final dose of the Pfizer vaccine in 21 days

"I feel like healing is coming," said Sandra Lindsay, the nurse who received the first vaccine at Long Island Jewish Medical Center in Queens. "I hope this marks the beginning of the end of a painful time in our history."

Lindsay said she wanted "to instill public confidence that the vaccine is safe."

She thanked all her fellow healthcare workers and urged people to continue wearing masks and social distancing.

ALSO — Spain announces [injections will begin on January 5](#) and predicts herd immunity by summer. This is the last time I remember seeing that term in the news.

December 15, 2020 — New York State Department of Health (NYS DOH), which serves as a reference for other states and countries around the world, admitted in response to a Freedom of Information Law (FOIL) request that it did not have a single study on the effectiveness of masks at stopping their spread of disease, or the safety of those who wear them. [See article here](#); lower section, "Sorry, No Science." NYS DOH is a world leader in health policy. They are not merely a local health department. Like many agencies in New York, they are contacted regularly

by other governments and depended upon for their expertise worldwide. And they cannot produce a single study saying that masks are safe or effective.

[RFJ Jr. comment on Instagram:](#)

"It erodes popular faith in democracy when public officials insist that their arbitrary policies are 'science based' and yet cannot produce a single study to support sweeping mandates," said Robert F. Kennedy, Jr., in response to this disclosure. "This letter illustrates the hazard of abandoning due process," he added, in reference to the state's reply to the FOIL request (which was filed by investigative reporter William Huston).

December 17, 2020 — FDA says it will investigate [severe allergic reactions to covid injections](#). From the article:

Officials at the National Institutes of Health are rushing to devise a study to find out why, in a few rare cases, people have had severe allergic reactions to the Pfizer coronavirus vaccine.

The goal is to identify the component of the vaccine most likely to be responsible for these potentially life-threatening incidents, known as anaphylaxis. No cases have yet been associated with the other newly authorized vaccine, made by Moderna, but it is being administered to the general public for the first time this week and has similar components to the one developed by Pfizer and its partner BioNTech.

This is a challenging task for researchers, who hope to get an answer within a matter of weeks. The study will recruit volunteers who have had a history of severe allergic reactions and who will receive the vaccine under close clinical supervision, according to Daniel Rotrosen, director of the Division of Allergy, Immunology and Transplantation at the National Institute of Allergy and Infectious Diseases.

ALSO — An advisory panel on Thursday recommended that the US Food and Drug Administration (FDA) [issue an emergency use authorization](#) for a Covid-19 vaccine developed by Moderna, all but guaranteeing the agency will do so.

The authorization, expected on Friday, will mark the second Covid-19 vaccine cleared by the agency — and amount to one more step toward curbing a pandemic that has infected an estimated 17 million people and killed more than 300,000 in the United States.

Both Moderna's vaccine and the one developed by Pfizer and its partner BioNTech, which was granted an EUA last week, use messenger RNA to instruct the body's cells to produce copies of the spike protein found on the exterior of the SARS-CoV-2, the virus that causes Covid-19. Those vaccine-induced proteins teach the immune system to recognize the coronavirus as an invader and attack it when an immunized person is exposed to the virus.

December 18, 2020 — Vice President Mike Pence gets the jab. Dr. Anthony S. Fauci, the nation's top infectious disease expert, said the symbolic day should remind the rest of the country to "step to the plate." He also tried to reassure people who are skeptical of a vaccine, noting that the decision to call the new vaccine safe and

effective “was not in the hands of the company, nor was it in the hands of the administration,” but in the hands of independent scientists and vaccinologists.

ALSO — The British government is making a concerted effort to persuade the Trump administration [to lift or soften travel restrictions](#) that bar most people in the United Kingdom from traveling to the United States, sources briefed on the matter said. On Nov. 25, Reuters reported the White House was considering rescinding entry bans for most non-U.S. citizens who recently were in Brazil, Britain, Ireland and 26 other European countries.

December 19, 2020 — [Off-Guardian exposes](#) how Belarus handled "covid" crisis exposes the lockdown lie.

ALSO — Third Alaska health care worker [experiences adverse reaction to vaccine](#). A Fairbanks health care worker was treated for a “probable” serious allergic reaction on Thursday after she received the COVID-19 vaccine, according to the Foundation Health Partners care system. She is the third Alaskan to experience an adverse reaction this week after receiving the vaccine. Two Bartlett Regional Hospital employees in Juneau experienced reactions after the vaccine — one serious and one mild.

December 20, 2020 — The University of Miami is investigating the possible [effects of the coronavirus vaccine on male fertility](#). Lead researchers Dr. Ranjith Ramasamy, a reproductive urologist with U Health, initiated an earlier study which found the virus was present in the testicles for up to six months following infection. That spurred his team to question the virus’ effect on sperm and reproduction. His team is now looking at the potential impact of the vaccine as well. [Pfizer's own study guidelines](#) require male participants to be sexually abstinent during the study.

December 21, 2020 — [Pro Publica reports](#) that half of hospital workers in a Rio Grande facility refused the covid injection. "So many workers at a hospital in Texas’ Rio Grande Valley declined the new COVID-19 vaccine that the facility offered doses to other medical workers in the region. Many showed up, but so did a state lawmaker, a police officer and a sheriff’s deputy who weren’t on the state’s priority list for vaccination."

ALSO — Congress [passes \\$900 billion covid relief bill](#), ending long stalemate. A trillion here, a trillion there.

ALSO — Neil Ferguson is back. He said that a new variant has a statistically significant [increased infection rate in children](#). The Independent reported:

The new strain was [in theory] better able to connect with human cells to infect them meaning that where the virus had previously struggled to infect children they were now “on a more level playing field” with adults in terms of infection.

Peter Horby, chair of Nercyt and professor of emerging infectious diseases at the University of Oxford, said that since the initial analysis of data, which prompted the government to cancel a planned five-day lifting of restrictions over Christmas, scientists were now more confident about the risks from the new mutant strain.

ALSO — Britain was all but cut off from the rest of Europe on Monday, with flights and trains banned by some 40 countries and freight deliveries halted at French ports, as its neighbors tried desperately to stop a fast-spreading variant of the coronavirus from leaping across the English Channel.

December 22, 2020 — Pres. Elect Biden gets his first covid injection — he chooses Pfizer. The shot, which Biden received in his left arm, was administered at ChristianaCare's Christiana Hospital in Newark, Delaware, by Tabe Mase, who is a nurse practitioner and the head of employee health services at the hospital, according to the Biden transition team.

December 24, 2020 — A Boston physician [said he developed a severe allergic reaction](#) minutes after receiving Moderna's coronavirus vaccine on Thursday, in the first week of the nationwide rollout for the company's shots. The case was the first of its kind reported to be linked to Moderna's vaccine. Federal agencies are investigating at least six cases involving people who suffered anaphylaxis after receiving the Pfizer-BioNTech vaccine, which contains similar ingredients, during the first few weeks of its distribution in the United States.

December 25, 2020 — Christmas is celebrated with many people too frightened to visit friends, relatives and loved ones, and many states and countries under restrictions against getting together with people.

December 26, 2020 — *The New York Times* says there will be a "great cultural depression" [due to legions of unemployed performers](#).

In the top echelons of classical music, the violinist Jennifer Koh is by any measure a star. With a dazzling technique, she has ridden a career that any aspiring Juilliard grad would dream about — appearing with leading orchestras, recording new works, and performing on some of the world's most prestigious stages. Now, nine months into a contagion that has halted most public gatherings and decimated the performing arts, Ms. Koh, who watched a year's worth of bookings evaporate, is playing music from her living room and receiving food stamps.

December 27, 2020 — [NPR reports that](#) Pres. Trump on Sunday night signed a massive coronavirus relief and spending package, relenting on a measure he had called a "disgrace" days earlier. The legislation, which combines \$900 billion in COVID-19 aid with government funding through September 2021, was passed by large majorities in both chambers of Congress on Dec. 21 — only to see Trump blindside legislators the next day and blast the bill. His signature avoids a partial government shutdown, as spending was set to run out Tuesday, and it puts an end to days of uncertainty over when millions of Americans will receive the desperately needed economic relief provided by the bill.

ALSO — Variant fever begins [as Japan bases entry of all nonresident foreign nationals](#) as a precaution against a new and potentially more contagious coronavirus variant that has spread across Britain.

ALSO — "Super gonorrhea" [is trending on Twitter right now](#) because, well, why not? It's 2020, after all. And what better thing to have trend at the end of a

year that brought us the Covid-19 coronavirus pandemic, a shortage of basically everything, constant drama in the White House, and a Presidential election that just won't end? Consider this sexually transmitted infection to be the pie à la mode, the night cap, the final wipe of 2020.

ALSO — Japan says it's [developing a GPS-based system to keep track of travelers from overseas](#) to prevent further spread of the claimed virus within its borders. Takuya Hirai, digital transformation minister, said on TV that he'd like to make it mandatory for people entering the country. Hirai said the government wants to complete the development of the monitoring system in time for the rescheduled Tokyo Olympics and Paralympics, due to be held next summer. Great idea!

December 28, 2020 — [Facebook censors a New York Times article](#) about how a Boston doctor experienced anaphylactic shock after he received the Moderna injection.

ALSO — Gov. Andrew Cuomo on Monday announced [new penalties designed to rein in possible vaccination fraud](#), as suspected by Parcure Community Health Network — a healthcare provider with clinics across Brooklyn which allegedly received and distributed the vaccine to members of the public not yet eligible under state and federal law. This will not stop people from forging vaccine cards, or selling them outside Yankee Stadium for \$20.

December 29, 2020 — Spain's health minister has said the country [will create a vaccination registry](#) that will include those who refuse to be vaccinated against Covid-19, yielding a document that could potentially be shared with other countries in Europe.

Days after EU countries began rolling out the Pfizer/BioNTech vaccine, Salvador Illa said that those who reject the vaccine for "whatever reason" would be documented, as is done currently for those with certain other treatments.

"What we will have is a registry, that will also be shared with our European partners ... of those who have been offered it and rejected it," Illa told the broadcaster La Sexta. "The document will not be made public and it will be done with the utmost respect for the legislation on data protection."

ALSO — [The Guardian reports](#) that "scientists and health bodies are calling for tighter coronavirus restrictions in England" as PCR positives continue to rise, claim that hospitals report mounting pressure.

Issuing a warning ahead of a government review of the tier system in England on Wednesday, the Independent Sage group of experts said that unless the whole country was immediately put under lockdown, there could be 'tens of thousands' of avoidable deaths.

NHS Providers, which represents members within NHS hospitals, mental health, community and ambulance services in England, also called for tier 4 restrictions to be further extended across the country.

December 31, 2020 — Planet Waves FM / Chiron Return [publishes its year in review document](#). Note, the links do not work in this PDF; we will replace the file when we find a version where the links function.

2021 Notes

February 1, 2021 — Eric Coppolino interviewed Stephen Bustin in February 2021. [Here is the audio](#) and [here is the transcript](#).

March 4, 2021 — MIT conducted a study determine whether critics of the corona hysteria are ill informed — [and found the opposite is true](#). They write that their research "shows that characterizing anti-mask groups as data-illiterate or not engaging with the data, is empirically false." Yet lacking any sense of irony and with no data to the contrary, they are still presumed to be wrong.

"Anti-maskers on Facebook weren't eschewing data. Rather, they discussed how different kinds of data were collected and why. "Their arguments are really quite nuanced," says Lee. "It's often a question of metrics." For example, anti-mask groups might argue that visualizations of infection numbers could be misleading, in part because of the wide range of uncertainty in infection rates, compared to measurements like the number of deaths. In response, members of the group would often create their own counter-visualizations, even instructing each other in data visualization techniques.