



Chiron Return

Integrity in Journalism

Chronology for Covid & SARS-CoV-2 PCR and Metagenomics

Researched and published by [Chiron Return - Planet Waves FM](#)

Supervising Editor: Eric F. Coppelino. Assistant Editor: Melissa DeGasperis.

Research: Cindy Tice Ragusa, Spencer Stevens, Rob Reich, Bobby Malhotra, Mark Bailey, Kevin P. Corbett, Ro Dann, Christine Massey, Mike Stone, Mike Donio, Michael Bryant and Fabio Vighi.

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Special Thanks to Davide Battini — "*Diciamo pane al pane e vino al vino.*"

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This document is a work in progress. If you have corrections or submissions of documented dates of events, please send them to us at efc@planetwaves.net.

"The body is everywhere assaulted by all of our new media, a state which has resulted in deep disorientation of intellect and destabilization of culture throughout the world. In the age of disembodied communication, the meaning and significance and experience of the body is utterly transformed and distorted."

— Eric M. McLuhan

"To have a disease without its symptoms is to be immune. No society has ever known enough about its actions to have developed immunity to its new extensions or technologies. Today we have begun to sense that art may be able to provide such immunity."

— Marshall McLuhan

"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

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](#) | [Fauci-Covid Dossier](#) | ["Independent Panel" Chronology and Glossary](#) | [Pandemic Drills Chronology](#) | [KCET Timeline](#) | [PCR Biotech Chronology](#) | [Open VAERS](#) (vax death/injury data) | [Ivermectin Timeline](#)

Chronology: Order as a Revolutionary Act

Dear Friend and Reader:

A chronology tells you what happened when. It puts things in order. In times of chaos and experience coming at us simultaneously and from all directions and all viewpoints, this is a revolutionary act. In truth, though, it's merely about paying attention to one's environment — chaotic as it may be.

However, when mayhem is the vehicle of oppression, order and organization are indeed acts of rebellion. When believing is the way of things, questioning can seem revolting. When misinformation and disinformation are weapons, assembling documented facts is a form of reprisal. When *induced forgetting* is a means of hypnosis and social control, remembering is a way of awakening.

Yet nothing you have in this chronology was intended as rebellion. Speaking as its editor, for me, it was a way of not drowning. By 2020 I had covered thousands of news events; and my background was toxicology, mass poisoning incidents and associated litigation. I knew enough to know that I had to pay attention, and get everyone around me involved, so much as was possible.

A Retrospective View

A chronology 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. The memory hole blew wide open. Many feel down.

Throughout those dark days, my colleagues and I kept careful track of developments day by day, and sometimes hour by hour, around the clock, seeking reliable sources and mapping out the many sides of the many issues involved.

The work you have before you required astounding objectivity to assemble. We investigated every viewpoint; tracked the words of every public official who spoke on the issue; read many scientific papers; and interviewed at least 20 different scientists in just the first year of the project

A Chronology of the PCR Necessitated Going Deeper

The initial and primary purpose of this document is to track the development and use of the claimed molecular test for SARS-CoV-2, called the polymerase chain reaction

(PCR). The central issue here is that a device that its own instructions say cannot diagnose infection is being used exclusively to do just that.

When you drill into the PCR, it's not long before you get to the central question: what is the device looking for? How does it know when it's found that thing?

Its job is to find a *specific molecule*, though if so, how does it know which?

The answer there is the *primers*. They are a snip of genetic code that defines the *amplicon*. What are the primers made of? As you will read, they are based on computer code and not on sequences of actual virus particles — even though the word sequence is used. The full term is an *in silico sequence*: one made in a computer.

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.

Looking for the Point of Origin

When Chiron Return and Planet Waves commenced [Covid19 News](#), a daily coronavirus-related news weblog, on March 3, 2020, I recognized that we would be missing all that happened before that time.

Therefore, 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 of daily publishing. Not only did those turn out to be incredibly eventful months (we have 29 events in December 2019 alone); 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. We are familiar with the work of the Perth Group, of Peter Duesberg, of Kary Mullis and of Celia Faber.

We Begin with Events in 2007

The current version of this chronology begins in 2007 (including the Dartmouth-Hitchcock incident in New Hampshire) and goes through December 31, 2020. A second volume has been published which covers 2021, though it's a very different document — more of a news chronology than a primary source chronology.

However, the day-by-day realtime chronicling of events begins directly associated with

SARS-CoV-2 and "COVID-19" per se commence in the autumn of 2019. Most of the chronologies we have seen commence around Dec. 31, 2019, stripping events of much needed context.

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. There are crucial, eye-popping developments in October 2019 and December 2019.

Use of the Words 'Covid' and 'SARS-CoV-2'

This is a multi-source timeline, so words are often used in their original context, such as when quoted from a newspaper article or scientific paper.

True consistency of style is not possible, given the multiple sources. So when reading source material, watch for interchangeable use of "SARS-CoV-2," (a claimed *virus*) "covid" or "COVID-19" (a claimed *disease*), and "SARS" (a claimed *syndrome*) in their various forms.

In my own 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."

Incredibly, that scanty definition fits both CDC and WHO guidelines. "Covid" has no distinct or remarkable symptomology or etiology (disease origin or progression). No clearly identified syndrome preceded the designation of a disease. Its existence may be claimed with or without diagnostics or any symptoms at all.

Further, the claimed symptoms may range from something that seems like hay fever to a blood clot to hypoxia to "covid toes" — all attributed to a virus of which nobody has a sample taken from a human host, or a true genetic sequence. The quotations around "covid" are a reminder of this fact.

The Fallacy of the 'Confirmed Case'

Also of concern is the term "confirmed case," which almost always translates to "one PCR positive result." There is no confirmation, only a false "diagnostic" test by a device that its own specifications (and government warnings, and those of its inventor) state plainly cannot be used for this purpose.

There is a good reason for this. Finding what are claimed to be little fragments of old molecules is not the same as diagnosing an infection — and there are hundreds of articles, papers and assessments that confirm this.

The PCR has been shown repeatedly to be catastrophic as a diagnostic device; by 2007, as you will read, the CDC says it had already caused three false pandemics.

Please check ChironReturn.org 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**, July 11, 2022, updated Oct. 3, 2023

Read the story: [Don't Look Back](#)

If you're reading this document in print form, Please go to Chiron Return for the newest edition, interviews, articles, and other related resources and materials. Blue underscores are links. Thank you. — efc



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 Pre-History, 2006-2020 ::

Editor's Note — *The issue of laboratory safety is a concern where toxins and pathogens are handled by scientists and technicians. While we have seen no actual evidence whatsoever of a lab release of "SARS-CoV-2," and no evidence that "gain of function" is anything but a fantasy, we are including a chronology of documented events surrounding these issues 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, whether real or pretend, translates to germ warfare, whether waging it or curing it if it happens. It implies that there is that there is a bioweapon arms race in progress, and even if scientifically impossible, that never stopped a good PR campaign.

Our inclusion of claimed gain-of-function events is not intended as an endorsement of the concept, or of the lab release theory. Any pathogen claimed to have been released from a lab, whether by accident or intent, would be subject to the same proofs of existence and causality as any other claimed "virus" that emerged any other way.

The claim of lab release, or the claim of gain-of-function enhancement, serves to reinforce the existence of viruses in public consciousness.

— efc

July 5, 2006 — The Department of Homeland Security (DHS) documents the security risk of [mass psychogenic illness](#) created by news reports. The mere fear of a terrorist attack can send people to the hospital with symptoms. The document outlines events in Chechnya in 2005 and a similar incident in California in 2003; and a 1995 event in Tokyo where 5,000 people flooded hospitals around the city seeking treatment for potential chemical exposure, even though the event was confined to

one local area. These phenomena were caused by as little as a single news report. Consider the potential effects of 24 x 7 coverage for years.

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" — that is, false alarms — created 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 unreliable and potentially catastrophic when incorrectly used as a 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. Dr. Stephen 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 2020 the issues of false positives and entirely false pandemics created by the PCR 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. 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.

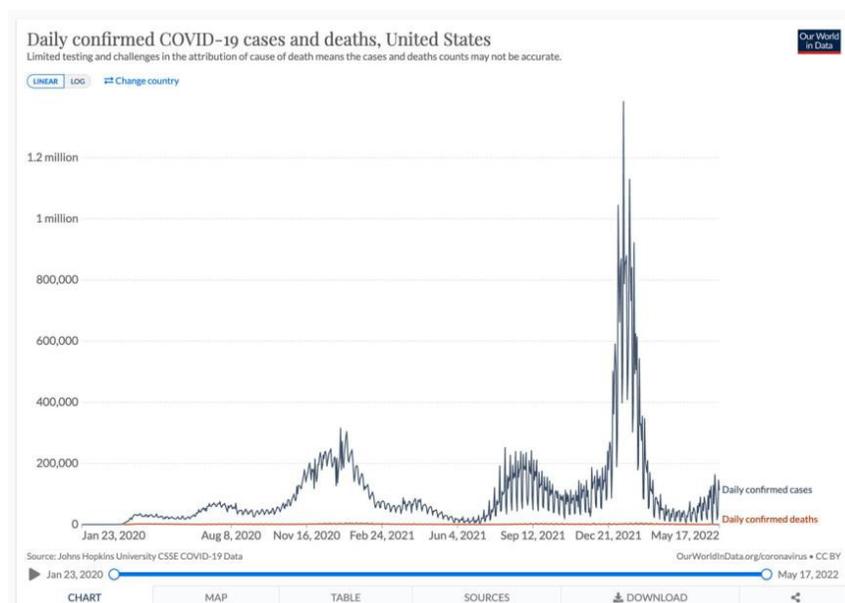
This was covered earlier in 2007 in a *New York Times* article called [Faith in QuickTest Leads to Pandemic that Wasn't](#). NYT coverage precedes that of MMWR. The author, Gina Kolata, writes in her Jan. 22, 2007 article:

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.”



Editor's Note: This graph (prior page or above) from spring 2022 (dating back to January 2020) illustrates the false positive problem associated with the PCR, as previously documented by the CDC, Dartmouth-Hitchcock Medical School and The New York Times. Even if we assume that there are "true positives" (for which we have no logical grounds) the "death" rate, indicated by the red line along the bottom, does not appear to follow the "case" rate depicted in black. While there is a potential correlation apparent when viewed logarithmically, the enormous disparity between claimed cases and claimed deaths graphically demonstrates the false positive problem, and violates Koch's and Rivers' postulates for causation of a disease or syndrome. Correlation does not prove causation; it is merely a clue. Whether any claimed patient has symptoms or dies, they are subject to the same false positive problem caused by the test at the outset. PCR does not confirm infection or predict disease; it merely finds protein fragments claimed to be the result of the presence of a virus. There are many sources of "positive" results other than viral nucleotides, including the device itself. There is no way to confirm PCR results for a virus, as could be done at Dartmouth and in other false pandemics (where it was said to be a suspected bacterial infection, which can be cultured for verification). The notion of a "confirmed case" using the PCR is medical fraud. Statistics source: [Our World in Data](#).

December 19, 2007 — Kevin Corbett, Ph.D., publishes "[You've Got it, You May Have it, You Haven't Got It: Multiplicity, Heterogeneity, and the Unintended Consequences of HIV-related Tests.](#)" From the abstract: "The article contributes to efforts analyzing how health consumers are active end users co-constructing the social meaning of technologies in mutual relationship with other users. The author discusses how this new knowledge can be used to delineate a greater role for consumer evaluation of medical testing within a broader understanding of test design and performance. Relevant links are made to issues such as genetic testing and assessing claims about the efficacy of medical tests." [iap]

Editor's Note — This is a paper on the inconsistencies patients and health service providers experience with the PCR (as well as 'HIV antibody' and 'T cell' tests). The paper disproves the notion that the PCR is a "viral load" test for HIV or "diagnoses" anything. Despite Corbett documenting that PCR "is licensed as an aid for identifying (not diagnosing) HIV" (p114) it is used as a diagnostic even though "readings translate into vastly contradictory medical diagnoses of positive, indeterminate, and negative" (p116). The medical reason for its use is to show *undetectable levels HIV* which is the "statistical / epidemiological goal" (p116). Patients experience this as "setting up unobtainable goals and devaluing the immune response" (p114). Their "actual experiences" are "not getting viral load down" (p.116). The axioms of the test are therefore false, Corbett argues. One of his conclusions is that its use only creates dependency on more and more PCR readings so devaluing people's intrinsic trust in the body (p116). How this can be described by the medical establishment merely as an "unintended consequence" is not detailed. — *efc*

2008 — Neil Ferguson co-founded the MRC Centre for Global Infectious Disease Analysis, based at Imperial College London. It is considered the leading body advising national governments on pathogen outbreaks. It gets tens of millions of dollars in annual funding from the Bill & Melinda Gates Foundation — it's one of their biggest grantees — and works with the UK National Health Service, the US Centers for Disease Prevention and Control (CDC), and is tasked with supplying the World Health Organization with 'rapid analysis of urgent infectious disease problems'. [Jon Rappaport reports](#), with links to Business Insider.

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 pathogenesis, pandemic planning needs to go beyond addressing the viral cause alone." [Emphasis added.]

This 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 on the East and West coasts; not one case of disease could be conveyed from a sick person to a well person. See: *Journal of the American Medical Association*, [Vol. 73, No. 5, Aug. 2, 1919](#).

In his closing to that article, Dr. Rosenau 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 — the device being sued to "diagnose covid":

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.

The net effect of what he's saying is that PCR is not really science, because it's inconsistent and, as he writes in a 2017 paper, the results of RT qPCR experiments and studies cannot be reproduced dependably. This seems to be the story of the PCR, well-known long before "covid" was a gleam in anyone's eye.

I just found this not so detailed [PCR/biotech chronology](#).



November 21, 2010 — [The Simpsons Season 22 Episode 6 \("The Fool Monty"\)](#) airs, in which a group of TV representatives plan to cause mass panic to increase ratings by fabricating a faux disease allegedly caused by household cats ("kittycat flu") and state, among other things, that there is a vaccine available in limited supply. This video circulates widely in 2020, and many are perplexed. There is a debate over whether this is "predictive programming" planted by the New World Order, or whether writers of the program are merely hip to reality.

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](#)]

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](#), 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. [\[NAP\]](#)

November 2016 — [Coalition for Epidemic Preparedness Innovations](#) publishes its [Preliminary Business Plan 2017-2021](#). From the document:

Epidemics of emerging infectious diseases, such as SARS and Ebola, threaten life, health and prosperity. They are among the world's most pressing health security issues. We need an insurance policy. Research and development (R&D) to create vaccines could provide one. CEPI will co-ordinate funding and stimulate R&D for vaccines against emerging infectious diseases. This will avert humanitarian crises, contain loss of life, and limit social and economic disruption.

As the recent SARS, MERS, Ebola and Zika outbreaks demonstrate, new diseases can emerge quickly and unexpectedly. While vaccines are feasible for numerous EIDs, poor commercial prospects and/or risky development pathways stall their development. Experience with Ebola demonstrates that, while it is possible to develop safe and effective vaccines against EIDs in an emergency, the global community cannot continue to rely on ad-hoc coalitions and the goodwill of a handful of companies. To ensure robust and effective private sector participation in future outbreaks, industry will require a reliable risk/reward sharing system, a prioritization system for EIDs, and a clear development pathway for emergency-use vaccines.

The Opportunity — CEPI — a global non-profit public-private partnership founded by the Government of Norway, the Government of India, the Bill & Melinda Gates Foundation, the Wellcome Trust and the World Economic Forum — will rationalize and accelerate research and development responses to new outbreaks by coordinating resources of industry, governments, philanthropic organizations and NGOs, prioritizing development goals, and facilitating the advanced development of vaccines for EIDs.

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.](#)

October 2017 — [SPARS Pandemic Scenario](#) conducted by the Johns Hopkins Center for Health Security. "The scenario is hypothetical; the infectious pathogen, medical countermeasures, characters, news media excerpts, social media posts, and government agency responses are entirely fictional." **Project team:** Matthew Shearer, MPH; Emily Brunson, PhD, associate professor of anthropology at Texas State University; Sanjana Ravi, MPH; Tara Kirk Sell, PhD, MA; Gigi Kwik Gronvall, PhD; Hannah Chandler, former research assistant at the Center. Other [prior exercises are listed here.](#)

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

March 14, 2017 — [Talking the talk, but not walking the walk: RT-qPCR as a paradigm for the lack of reproducibility in molecular research](#), by Stephen Bustin (one of the world's leading PCR scientists), et al, *European Journal of Clinical Investigations* 2017; 47 (10): 756–774. This is the device that will be used as the "covid test." The results of RT-PCR are extremely unreliable. From the paper:

Poorly executed and inadequately reported molecular measurement methods are amongst the causes underlying the lack of reproducibility of much biomedical research. Although several high impact factor journals have acknowledged their past failure to scrutinize adequately the technical soundness of manuscripts, there is a perplexing reluctance to implement basic corrective measures. The reverse transcription real-time quantitative PCR (RT-qPCR) is probably the most straightforward measurement technique available for RNA quantification and is widely used in research, diagnostic, forensic and biotechnology applications. Despite the impact of the minimum information for the publication of quantitative PCR experiments (MIQE) guidelines, which aim to improve the robustness and the transparency of reporting of RT-qPCR data, we demonstrate that elementary protocol errors, inappropriate data analysis and inadequate reporting continue to be rife and conclude that the majority of published RT-qPCR data are likely to represent technical noise.

Undated, 2018 — European Union publishes a document called [State of Vaccine Confidence in the EU 2018](#). It begins:

The World Health Organization's Strategic Advisory Group of Experts on Immunization (SAGE) define vaccine hesitancy as: "[a] delay in acceptance or refusal of vaccines despite availability of vaccine services. Vaccine hesitancy is complex and context specific, varying across time, place and vaccines. It is influenced by factors such as complacency, convenience, and confidence" (WHO, Report of the SAGE Working Group on Vaccine Hesitancy, 2014).

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](#)]

May 5, 2018 — Clade X Exercise The Center hosted a [pandemic tabletop exercise](#) in Washington, D.C., in May 2018. The goal of this exercise ("Clade X") was to illustrate high-level strategic decisions and policies that the United States and the world will need to pursue in order to diminish the consequences of a severe pandemic. It addressed a pressing current concern, present plausible solutions, and be experientially engaging. Kraken, Johns Hopkins software, is *clade exclusion software*. A "kraken" is a [mythological sea monster](#).

January 5, 2020 — [Earliest known tweet](#) suggesting China created the claimed virus. @GarboHK [tweeted](#): "18 years ago, #China killed nearly 300 #HongKongers by underreporting #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 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]

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]

ALSO — Dr. Sona Pekova, a Czech medical doctor, molecular biologist, and geneticist with an [extensive research portfolio](#) in an interview with [TV channel T3](#) says that the claimed genome sequence of "SARS CoV-2" 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](#). In fact the genome is wholly unnatural — it is *in-silico*; it is the product of artificial intelligence. The sequences are all — all — computer built and edited. None are natural. 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](#). [gof]

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

April 17, 2020 — A reporter asked [Pres. 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.](#) [gof]

[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.](#)

***Editor's Note** — The legitimate independent scholar who has given speculation about the potential 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 [Coronavirus Resource Center](#). Breggin however is oblivious to the lack of evidence that any virus has been found; and the lack of meeting Koch's Postulates or the Gold Standard, necessary for establishing the validity of the PCR, which is not a diagnostic tool in any event. Re. lab safety, the work of Rutgers molecular biologist [Richard Ebright](#) 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. [gof]

"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]

::: Main Chronology :::

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 embedded 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.

July 2019 (dated "Third Quarter") — European Union publishes its "roadmap" to a common EU vaccine card combined with a passport for EU citizens. [See proposal.](#)

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 the 2020 crisis 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. 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 and analytical tool. It cannot diagnose an infection.

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. Mullis 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 [then unnamed, unknown] claimed 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 7, 2019 — Potential time of cell phone blackout at the Wuhan Institute of Virology, which is associated with a possible "hazardous event" sometime between Oct. 6 and Oct. 11. See [National Review](#) for coverage, including its review of NBC News coverage.

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. Its three sponsors are among the top-tier leaders of the covid scenario as it played out just eleven weeks later.

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.](#)

ALSO — [World Military Games](#) held in Wuhan, Hubei Province, China, spanning from Oct. 18, 2019 through Oct. 27, 2019, wherein 9,308 athletes from 109 nations compete in 27 sports. Wuhan is like Texas. Too much happens there.

October 28, 2019 — The Future of Health Summit takes place in Washington, DC. In an Oct. 29 summary event, [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 claimed "SARS-CoV-2" virus (i.e., the theory that it escaped from a lab. Please see Gain of Function materials above. [[wsj](#), reported in May 2020] [gof])

November 1, 2019 — China rolls out one of the world's largest 5G networks, in Wuhan, Hubei, 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 citybus.*] [5g]

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-coronavirus 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.

November 7, 2019 — [The Next Pandemic](#) premieres on Netflix, featuring Bill Gates. It turns out that the next pandemic will be in just three weeks, starring Bill Gates! TV is amazing! Netflix will air another special on pandemics during the late January "covid" media rollout. Gates becomes one of the great celebrities of the "Covid" era — and some people are even asking why. Future historians may note that Gates is well known to be a vaccine pusher (and magnate).



November 13, 2019 — Impeachment hearings begin before the House of Representatives Permanent Select Committee on Intelligence. This sounds like a bunch of really smart guys who never, ever leave the hearing room. At this time and through January 2020, the impeachment is entirely dominating the news. They recommend impeachment. [See their final report.](#)

Events of December 2019



What are those streaks over the horizon? New Starlink satellites reflecting sunlight. SpaceX launched 60 Starlink communication satellites in May and 60 more in November. These satellites and thousands more are planned by communications companies in the next few years that may make streaks like these relatively common. Concern has been voiced by many in the astronomical community about how reflections from these satellites may affect future observations into space. In the pictured composite of 33 exposures, parallel streaks from Starlink satellites are visible over southern Brazil. [Astronomy Picture of the Day, Dec. 10, 2019](#) | Photo by Egon Filter

December 1, 2019 — Symptom onset date of first Chinese patient claimed to have suffered from sickness caused by a then-undiscovered 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](#), from which the claimed outbreak will be reported as originating. His family was unaffected, and no epidemiological link was found between him and the other cases. [wiki] [lancet].

ALSO — 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, 2020 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 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 the 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.

ALSO — John O'Looney, a mortician for Milton Keynes Family Funeral Services in England, says this is the day when he saw a biohazard zone set up in what is called a "rest chapel" in Northampton General Hospital.

In 16 years picking up deceased individuals in this and other hospitals, it was the first time he saw such a thing. I asked him to research his mortuary log and provide the date, which he had only given approximately in my [January 2023 interview with him](#). Here is the full text of his email to me from Feb. 6, 2023:

The deceased passed away in Northampton General Hospital on November 27th 2019 and they would not allow the family any time to visit.

They contacted me some days later and I collected their loved one (a lady) on the 9th December by which time the pandemic tent was already in the viewing room/chapel of rest at the hospital, I was shown it personally on that day. I'd suggest as they would not allow the family to visit that is had been in place since the time of death on the 27th November 2019, however I cannot be certain of this.

But the fact they would not let them visit suggests this is the case as the chapel had this pandemic tent in it to prevent visitors.

Usually people want to view a day or so after, so I am surmising it would have been in place by the 30th November 2019. I hope this is helpful to you.

Regards

John

Milton Keynes Family Funeral Services

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 unremarkably ill in all of China, population 1.4 billion. The World Economic Forum timeline claims:

"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](#).

Editor's Note: *Though you will see the word "sequencing" used throughout the source documents in this chronology, what is really being done is metagenomics. This entry sourced to World Economic Forum references "deep sequencing analysis" as the process used to identify the claimed "virus." But it is not sequencing, which is what you do when you have an actual sample of something, such as a tomato.*

Metagenomics is the creation of a theoretical, in-silico (computer assembled) hypothetical sequence using artificial intelligence. This is variously known as "genomic assembly tools," "genomic alignment," "in-silico sequencing," "synthetic nucleotide technology" or "metagenomics" (as it is variously called, among other names). It is how the CDC's "mimicked clinical specimen" or "contrived sample" was created, based on a prior, partial in-silico transcription known as MN908947, mixed and matched with in-silico SARS and MERS.

These processes can create millions of potential theoretical sequences from one impure human sample, which was subsequently mixed with various cells (immortal cancer [HeLa], monkey kidney, fetal calf blood, etc.). The result is then falsely called "viral isolation." Programs that perform this work are commercially available as Megahit, Trinity and Blast, among others.

"Deep sequencing" in one project turned out to be starrng with 37 claimed "actual" base pairs of genetic code from an impure sample, which were then constructed by artificial intelligence technology into a "virus" said to have 33,000 of them. Nowhere is proof offered that the original genetic material was from a coronavirus, or any virus, much less one that has been proven to be pathogenic.

There is no way to match or verify the AI construction against an original, as it has never been found to exist, or been sequenced. There is no master copy.

One [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, and some of your symptomatic people test negative, then logic holds that the pathogen has probably been misidentified. When someone says "Koch's postulates," or "Rivers' 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](#)]

ALSO — 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] *Cases of what, confirmed by what laboratory and what confirmation?*

December 16, 2019 — The first documented hospital admissions worldwide were linked to this date in Wuhan. This was reported in February 2020. [[wiki](#)].

ALSO — 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 before the United States Senate](#). This all the U.S. and much of the world were focused on at the time, including the entire United States government.

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 were 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 sample 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, and what PCR assay design was used? What were the primers? Patient outcomes unknown. [[See English translation.](#)]

December 26, 2019 — Reported sampling date for MN908947, patient age 41, with no history of hepatitis, tuberculosis or diabetes. Admitted to the hospital on Dec. 26, 2019. [This may be Patient 4 in the Li-Li Ren paper; his age matches but the hospitalization dates do not match.] This patient survives his illness.

The accession number MN980947 pertains to a claimed partial metagenomic transcription (*in silico*) of the N-gene of what transforms into the claimed viral source that later becomes the reference for WHO and CDC primers for "2019-nCoV" or "SARS-CoV-2." Later abandoned in the WHO assay, it remains listed as a genetic source for the CDC assay and is said to represent a whole sequence of SARS-CoV-2, which is demonstrably false.

The claimed sample was a throat swab from a 41-year-old man who went to the Huanan Wet Market. 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 attempt at coverage of the alleged pedigree of early; but it misses many critical points. 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."

December 27, 2019 — Blood sample from a man in France is later claimed on this date to have tested PCR-positive. "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 42; his source is a May 5, 2020 [Live Science](#) article, which also references a [BBC article](#).]

December 29, 2019 — [According to the NIH timeline](#), as in Wuhan 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 said 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]

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 in Wuhan, age 34, [sent message to fellow medics](#). He claimed there were 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, Hubei [[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 Shaquan, a vendor at Huanan Market, Chinese authorities were said to disinfect the Huanan Market. Stallholders were 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 [[Lu paper](#)].

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 censorship 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 claimed 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 2019 or at 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. There is no reference to any toxins investigation anywhere in our extensive search of the media or scientific record.

We have not seen any reference to a tox team being sent to the Huanan market, the first place it should have been sent; only biological samples were claimed to have been taken, which all tested negative. Tox investigation is supposed to be standard procedure for an outbreak, serving the purpose of entirely ruling out potential chemical causes to help validate the presumption of a biological pathogen. That too must be proven through a series of steps, though other potentials must be ruled out.



Fire and Rescue personnel run to move their truck as a bushfire burns on December 19, 2019 near Sydney, Australia. Fires in Australia were the most expensive weather-related disaster so far in 2020, with damages estimated in the billions by insurance broker Aon. Credit: David Gray *Getty Images*

Events of January 2020



A Chinese dragon meets dancers and performers from Edinburgh's official Asian New Year and the Year of the Rat, which began on Jan. 25, 2020. Photo by James Glossop.

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." Eleven of them are said to be seriously ill.

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, removing the claim of the market being a point source. It was then recast as the location of an alleged early [superspreading event](#), rather than the site of the initial outbreak — though this was never proven.

Thursday, January 2, 2020 — 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 allegedly 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](#)] [[NCBI](#)]

Editor's 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. Lu et al say that a total of only 15 of about 41 people said to be sick with the virus tested positive for the allegedly offending sequence.*

Friday, January 3, 2020 — Chinese officials provided information to WHO on the claimed 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](#)] [needs source.]

ALSO — Known pathogen ruled out by China; determination that it must be a novel virus. From [South China Morning Post](#): "The National Health Commission started investigating the virus on December 31 and informed the World Health Organization of the outbreak the same day. On January 3, it ruled out that the virus was a known pathogen causing respiratory disease, and on January 9, it said the illness was caused by a novel coronavirus. It was later named Sars-CoV-2, and the disease it causes Covid-19." [del]

BACKGROUND ADDENDUM — This happens coincidentally with the "deletion of documents by unauthorized labs" as ordered by China. Commenting on the deletion issue, Jesse Bloom [writes in an article](#) [[alt copy](#)] two years later:

But in the case of Wuhan, genomic epidemiology has also proven frustratingly inconclusive. Some of the problem is simply limited data: despite the fact that Wuhan has advanced virology labs, there is only patchy sampling of SARS-CoV-2

sequences from the first months of the city's explosive outbreak. Other than a set of multiply sequenced samples collected in late December of 2019 from a dozen patients connected to the Huanan Seafood Market ([WHO 2021](#)), just a handful of Wuhan sequences are available from before late January of 2020 (see analysis in this study below). This paucity of sequences could be due in part to an order that unauthorized Chinese labs destroy all coronavirus samples from early in the outbreak, reportedly for "laboratory biological safety" reasons ([Pinguì 2020](#)).

In June 2021, [Bloom appears in USA Today](#), discussing what happened in January 2020:

"There is no plausible scientific reason for the deletion," said Jesse Bloom, a leading evolutionary biologist at the Fred Hutchinson Cancer Research Center in Seattle, in a scientific paper posted late Tuesday on the pre-publication [website bioRxiv](#), where scientists make findings immediately available before peer review. "It therefore seems likely the sequences were deleted to obscure their existence," wrote Bloom, who last month helped [organize an influential letter](#) from a group of scientists calling for both natural and laboratory theories of the pandemic's origin to be taken seriously and investigated.

Data was also deleted from the National Institutes of Health (NIH) United States federal government database around this time. The [National Review](#) reports:

According to the NIH statement, the researcher asked that the sequences be removed from the NIH database because they had been updated and were to be rerouted to another database, the name of which remains unknown. The paper mentions the use of an advanced sequencing technology to detect SARS-CoV-2, the virus that causes COVID.

The deleted data includes sequences from early virus samples taken from hospitalized patients in Wuhan who were believed to have contracted COVID in January and February of 2020, according to a non-peer reviewed [paper](#) authored by Jesse Bloom, a virologist at the Fred Hutchinson Cancer Research Center in Seattle.

Analyzing the early reports of a virus, Bloom [writes in the journal bioRxiv](#):

Understanding the spread of SARS-CoV-2 in Wuhan is crucial to tracing the origins of the virus, including identifying events that led to infection of patient zero. The first reports outside of China at the end of December 2019 emphasized the role of the Huanan Seafood Market ([ProMED 2019](#)), which was initially suggested as a site of zoonosis. However, this theory became increasingly tenuous as it was learned that many early cases had no connection to the market ([Cohen 2020](#); [Huang et al. 2020](#); [Chen et al. 2020](#)). Eventually, Chinese CDC Director Gao Fu dismissed the theory, stating "At first, we assumed the seafood market might have the virus, but now the market is more like a victim. The novel coronavirus had existed long before" ([Global Times 2020](#)).

***Editor's Note:** The deletion of these files seems designed to focus attention on the Wet Market theory and to remove any trace of evidence of viral spread before that time.*

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. STAT News reports that on January 3, China increases case count to 44 and is tracking 121 contacts of them. STAT News reports that the infections "are linked to a large seafood market where it is believed some exotic animals are also sold for consumption." [[STAT](#)]

January 5, 2020 — GenBank receives a claimed viral sequence given the accession number **MN908947**. This is submitted for review by Wu, et al. (first claimed to exist in the published scientific literature in the Fan Wu paper, see entry of Feb. 3, 2020.) [bobby] [iap]

***Editor's Note:** In a Scitechdaily article published Nov. 7, 2020, Joe Bell quotes Joseph Caspermeyer on "[the mother of all SARS-CoV-2 genomes](#)," saying the MN908947 sample was taken Dec. 26, 2020. This conflicts by two days with Little Dog, a Chinese laboratory worker/whistleblower who posted to Medium.com 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 and Drosten in the C-D paper, says they have 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.

SARS-CoV 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 a disease-causing agent, much less any part of an actual virus.]

Note from our Sequence Chronology Researching Team re. Patient Sample Sources Used, added Dec. 18, 2022

The 41-year-old patient sampled for the Fan Wu paper is not the same as the 41-year-old patient sampled for the Ren paper. Only age is the same but different hospitals (Central Hospital for Wu-patient and Jin-Yintan Hospital for Ren-patient) and different admission dates. Wu patient is admitted while Ren patient is still in hospital and no mention of Ren patient being transferred.

The first Ren patient is the first one to be taxonomized as SARS-like which went around on Chinese social media (via Little Dog). Between the Ren and the Wu paper all but one person are different from the other. Only the name Yi Hu appears in both reports and is most definitely the same person since his/her affiliation is the same in both reports. But that is just an observation. I have looked at the names of the different early reports and between them several overlap but again that is just an observation, and means that they collaborate and are not four independent, non-collaborating groups.

Concerning the Ren sequence(s), it is not completely clear from which patient the original sample comes. There are five patients and five sequences both numbers 1-5 so the logical conclusion is that sequence 1 comes from patient 1 etc. The first sequence EPI_ISL_402123 in GISAID collected Dec. 24th is used by Drosten. The other 2-5 (EPI_ISL403928 to -31) collected Dec. 30th and Jan. 1st are just listed in GISAID.

But, in the Ren paper if you look under the segment "Novel CoV identification by next-generation sequencing" you'll see that they refer to patients 4 and 5 (as if the first sequence would contain mostly patient 4 reads and a little bit patient 5 reads). I think it is important to understand that, or at least I think, that the mindset of these virologists is that there is "a virus" and that across samples of different patients, they are looking for one thing. That would be a prejudice introduced at the outset of the work.

So the logic that they can take a bit of this and a bit of that and align and correct this and that, is probably so deep in them that they are not very critical of such logic. I mean, the belief in and fear of viruses makes even the most talented and professional scientist do completely artificial and constructed stuff in order to confirm their beliefs. When you compare the different initial sequences, some are completely identical, as if one had been copy-pasted to the other and it might have been done by the computer program and the scientists look at their screen in fear because they see a match of ATGC content.

Since there is one person that is mentioned both in the Ren and the Wu paper, one can speculate that this person had gotten certain information or even sequences from the Ren team that were then used to compare or transfer to the work of the Wu team. But that is pure speculation.

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."

ALSO — 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 claimed virus. @GarboHK [tweeted](#): "18 years ago, #China killed nearly 300 #HongKongers by underreporting #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.** [Lu et al]. 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 patients 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]

Special Comment by David Rasnick, Ph.D.

Hi Eric,

Attached is the January 7, 2020 paper by Wu et al. "A new coronavirus associated with human respiratory disease in China." [This version is highlighted by Dr. Rasnick. — *efc*]

It's a very extensive study and analysis of a lung sample from a 41-year old man hospitalized Dec. 26, 2019 in Wuhan, China. It's highly technical and complete garbage. Using that single individual and no healthy control for comparison completely invalidates the results and conclusions.

They used a high-tech procedure (meta-transcriptomic sequencing) [also called metagenomics] to chop up into tiny pieces virtually ever trace of genetic material present in the man, including all bacteria and the "1,000 trillion viruses" claimed to be present in all of us.

The methods section of the paper contains the evidence of the scam. From the start, they looked for "the viral agent" presumed to cause the man's problems. They didn't look for or consider anything else.

We are told that coronaviruses (said to cause the common cold and flu) are present in all of us. Should we be surprised then that the most prevalent computer reconstructed sequence turned out to be for a coronavirus?

They never (or even intended) to purify and isolate intact, authentic virus or anything else.

The identical scenario repeated itself in the so-called identification of a coronavirus (with a different sequence) in Australia, Seattle Washington, and Korea. I stopped looking after that.

As of this writing on Dec. 19, 2022, there are 14,266,972 distinct sequences of hCov19 (SARS-CoV-2) <https://gisaid.org/index.php> Will the real SARS-CoV-2 please stand up?

— Dave

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 purported outbreak is caused by a novel coronavirus. WHO convened the first of many teleconferences among global experts, beginning with the Clinical Network.

ALSO — [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 — Claimed viral genome sequence was released by China and given GenBank MN908947 [c-d]. This is a claimed partial, *in silico* sequence of the N-gene [db].

ALSO — 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.

ALSO — [Dr Li Wenliang](#), Chinese ophthalmologist, 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?*

ALSO — Official media announcement is picked up by ScienceMag.org.

ALSO — More genetic sequence uploads:

— 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]

ALSO — "German scientists" (meaning Corman and Drosten) produced the first polymerase chain reaction (PCR) assay for the alleged virus, which they say is based on pre-existing sequences and not on patient samples. This is called the "German test" or the "Charité" test. The protocols are finally published in *Eurosurveillance* on January 23 and become the protocol for the World Health Organization (WHO).

ALSO — A claimed 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] [virology] This is actually a claimed *in-silico* metagenomic partial theoretical assembly of the N-gene. It is not a sequence of an actual virus. This sequence is referenced by Corman and Drosten in the "German test" that becomes the WHO standard PCR assay design.

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] [brownstone institute]

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 claimed "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](#)]. They are referring to MN908947.

From Wikipedia timeline:

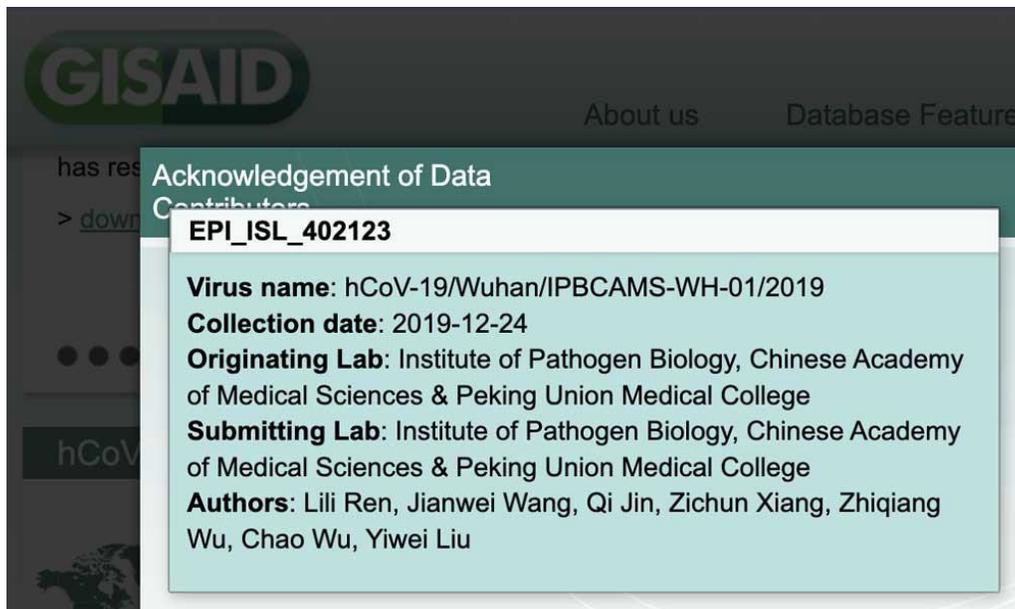
"A viral genome sequence was shared to GenBank and Virological.org by Professor [Zhang Yongzhen](#) of the Shanghai Public Health Clinical Centre through the auspices of the Wuhan Institute of Virology, which was before the

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 Li-Li Ren et al. submitted to GISAID. This is a claimed viral sequence published by China, claimed to be based on a male 41-year-old patient. According to Dr. Mark Bailey, this is the sequence that becomes SARS-CoV-2 **and is "complimentary" to MN908947.2/.3** [c-d]. SEE SCREEN SHOT BELOW. This is part of the Li-Li Renpaper that is submitted to *Chinese Medical Journal* on Jan. 25, 2020 and published May 5, 2020 [Identification of a novel coronavirus causing severe pneumonia in human: a descriptive study](#). Likely to be the sequence described by Little Dog.

Benjamin Lyloff adds: "That is the report of the very first [claimed] detection of SARS2 using Kraken2 software from Johns Hopkins by Chinese sequencing company Vision Medicals on the 25th of December 2019 (roughly that date, but I'd have to verify), before the Wu team did their analysis [resulting in MN980947]. Kraken2 uses clade exclusion technique, a very rough estimation algorithm that would determine anything if you wanted it to."



GISAID filing information for BetaCoV/Wuhan/IPBCAMS-WH-01/2019 ID: EPI_ISL_402123 by Ren et al. - submitted to GISAID. This is the sequence that becomes SARS-CoV-2, though which is said to partially match the MN980947 series.

— 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].

Table 1: Demographic, epidemiologic, clinical presentations, and treatment of the patients.

Characteristics	Patient 1	Patient 2	Patient 3	Patient 4	Patient 5
Age, year	65	49	52	41	61
Gender	Male	Female	Female	Male	Male
Huanan Seafood Market exposure	Yes	Yes	No	No	Yes
Smoking	No	No	No	No	No
Underlying conditions	No	No	No	Hypertension	Chronic liver disease, myxoma of abdominal cavity
Date of illness onset	Dec 15, 2019	Dec 22, 2019	Dec 22, 2019	Dec 16, 2019	Dec 20, 2019
Date of admission	Dec 18, 2019	Dec 27, 2019	Dec 29, 2019	Dec 22, 2019	Dec 27, 2019
Admission to ICU	Dec 22, 2019	Dec 29, 2019	Dec 29, 2019	Dec 30, 2019	Dec 28, 2019
Sampling date	Dec 24, 2019	Dec 30, 2019	Dec 30, 2019	Dec 30, 2019	Jan 1, 2020
Signs and symptoms					
Cough	Yes	Yes	Yes	Yes	Yes
Sputum production	Yes	No	No	No	No
Dyspnea (onset date)	Dec 31, 2019	Dec 27, 2019	Not available	Dec 22, 2019	Dec 27, 2019
Fever	Yes	Yes	Yes	Yes	Yes
Muscle pain/fatigue	No	No	Yes	Yes	Yes
Headache	No	No	Yes	No	No
Diarrhea	No	No	No	No	No
Highest temperature, °C	39.3	38.5	37.5	39.0	Not available

This is from the "Lili Ren paper," which is the same team as the Little Dog team. These are the five patient samples are the ones analyzed by Vision Medicals using Kraken 2 by Johns Hopkins. This is taxonomy software, not software for identifying specific viruses. The first claimed death is Patient, allegedly sampled Jan. 1, 2020. This team — Lili Ren/Vision Medicals team — produces GISAID accession number 402123.

ALSO — First claimed death reported by China. On January 11, the Chinese health officials report that a 61-year-old man (Lili Ren/Vision Medicals patient #5, sampled Dec. 24, 2019) 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 anti-infection drugs [was remdesivir used?], ventilator-assisted breathing, life support, and other treatments, but with no positive results. His death was marked as the first known death from the claimed new virus. [nih] [This sure sounds like remdesivir].

ALSO — Health officials did not record any other case except the 44 cases that had been claimed 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] This turns out not to be true; 13 had no direct or indirect contact with the market whatsoever.

ALSO — On this day, the first claimed 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). [nih] [\[which sequence does this refer to?\]](#)

ALSO — In parallel, Chinese Health officials were considering temporarily closing 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]

ALSO — 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]

ALSO — [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."

ALSO — More sequence uploads claimed to be associated with the "outbreak":

— MN908947.1 made public on GenBank replaces MN908947. It is a revision of the *in silico* sequence. [BL]

— BetaCoV/Wuhan-Hu-1/2019 ID: EPI_ISL_402125 (same as MN908947.2) by Wuet al. - published on GISAID. This is a sequence of unknown origin published by China. [submitted by benjamin]. [The revisions to MN980947 GenBank series — especially .2 or .3 — is or matches GISAID 402125.](#)

ALSO — [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 WHOpartner laboratory to diagnose the novel coronavirus [WHO].

ALSO — Ministry of Public Health, Thailand claimed the first imported PCR-positives supposedly imported from Wuhan, Hubei Province, China. This means they had a PCR-positive based on the Corman-Drosten assay.

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

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]

However in its [risk assessment dated the same day](#), 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].

ALSO — 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. Kerkhove, WHO's technical lead also said that "human-to-human transmission would not be surprising given our experience with SARS, MERS and other respiratory pathogens."

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]

ALSO — 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.

ALSO — About the claimed 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 allegedly viral pneumonia. [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 [b.l.]

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

January 18, 2020 — Article in *The Journal of Medical Virology* reports that of the 41 cases in Wuhan, viral-specific nucleotides for the suspected "novel virus" were found in just 15 patients. In other words, of the 41 supposed index cases, only one-third tested positive by PCR. "There remains considerable work to be done to differentiate between colonization, shedding, and infection," the authors write, in a paper titled, [Outbreak of pneumonia of unknown etiology in Wuhan, china: The Mystery and the miracle](#) by Lu, Stratton and Tang.

ALSO — In China, five claimed cases were cured and discharged, 59 new claimed cases were added, and 1 claimed case died. [bobby] In the United States, retrospective NAT of archived respiratory samples in the Seattle region have suggested introduction of claimed 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. [\[nejm\]](#)

ALSO — 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.

ALSO — National IHR Focal Point (NFP) for Republic of Korea reported the first claimed case of novel coronavirus, meaning PCR positive using Corman-Drosten protocols, 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). All of this is C-D PCR. [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," the first in the scientific literature that claims to establish a viral cause of the claimed outbreak. [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 seafood 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, meaning a PCR-positive. This was reported as 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.]

ALSO — [Corman-Drosten paper](#) submitted to *Eurosurveillance* for "peer review." It is published less than 48 hours later, according to one scientist familiar with the publication process, not enough time to properly typeset and compose the many charts involved in the report. The paper claims to establish a scientific basis for the as-yet nonexistent pandemic, and further claims the existence of "SARS-CoV-2," and gives instructions for a RT-PCR test, including primer design. [See the Retraction Review](#) for more details about this publication.

ALSO — According to BBC News [4] and Google Statistics [5] **there were 6 total deaths world-wide 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](#)]

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

ALSO — 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 (WEF)'s annual meeting takesplace in Davos, Switzerland, where both the economy and vaccinations are discussed. *WEF was a co-sponsor of Event 201. There appears to be a coordinated media rollout of the "pandemic" over the next two days.*

January 22, 2020 — Wuhan bans sale and breeding of wild animals [[cbs](#)].

ALSO — 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.

ALSO — 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.

ALSO — "We have it totally under control." — President Trump, in an interview, on Jan. 22.



ALSO — If one Netflix documentary about pandemics back in November was not enough for you, on Jan. 22, a second one comes out on this day: [How to Prevent an Outbreak](#), all about pandemics supposedly originating in animal populations, and other related topics.

January 23, 2020 — With 17 deaths reported worldwide, all of them in China, 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 — [The Daily Mail reports](#) that experts warned in 2017 that a virus could leak from the Wuhan facility. This is one of the earliest references we can find to the lab

leak scenario that came to be the primary theory of where the "virus" came from. [iap] [gof]

ALSO — [Detection of 2019 novel coronavirus \(2019-nCoV\) by real-time RT-PCR](#) by Victor Corman, Christian Drosten, et al, is published by the journal *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.

***Editor's Note:** The Corman-Drosten paper is [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.

The infamous Bat Soup video appears simultaneously in [The New York Post](#) and the (London) [Daily Mail](#), insinuating the cause of the forthcoming pandemic (and turning everyone against eminently friendly, helpful bats). The French website [The Observers](#) is more skeptical and calls bullshit.

The video purports to show a "Chinese woman" (presumably in China) chowing down on a bat (during the "pandemic"). The *Post* says as much — that she is eating bat meat in the middle of a "pandemic" allegedly caused by bats. It turns out that eating bat meat is "culturally unacceptable in China" (as my source there said at the time) and further, this video was shot in Micronesia in 2016 — not in China in January 2020.



Editor's Note: This is essential propaganda that the Chinese will eat anything that moves, and therefore initiated the claimed outbreak of "SARS-CoV-2." There is no reference to the need for an intermediate host, under the virus theory, as may experts are at the time saying that viruses cannot jump from bats to humans. There are no reports whatsoever that bats were 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. No "intermediary host" was never identified or even specifically claimed to exist.



ALSO — *The Sun* (also published in England) on January 23 announces the beginning of "World War Flu." We do not have British editions to compare, though they are usually similar, as they are under the same ownership.

The *Sun* claims that there is a snake virus loose, introduced by snakes allegedly sold as food at the Wuhan market. The apparent trigger for this reporting was the lockdown of Wuhan the same day. The article claims that snakes were the intermediary host who transmitted the alleged virus from bats to humans. This is the only reference to snakes we have seen.

There were also briefly reports (undocumented here) that a pangolin was the intermediary animal, but then the whole discussion was dropped.



Clippings from the *Scottish Sun* of January 23, 2020.

The *Sun* (also published in England) quotes Neil Ferguson of Imperial College London as calling this a "significant concern globally." Ferguson is a recipient of funding from the Bill and Melinda Gates Foundation. The article says that scientists are working to develop a bedside test and a vaccine.

With no data available to make such a claim, he tells the tabloid newspaper that the case fatality rate could be 2%, allegedly comparable to "Spanish Flu" a century earlier, adding, "Hospitals are overwhelmed with suspect cases. The authorities are trying to scale up the response as quickly as possible but it is an extremely demanding situation."

He adds: "I suspect case numbers will continue to increase rapidly. Most seasonal flu viruses have a case fatality rate of less than 1 in 1,000 people. Here we are talking about a virus where we don't fully understand the severity spectrum, but it's possible the fatality rate could be as high as two per cent. Two percent is comparable to the 'Spanish Flu' pandemic in 1918, so it is a significant concern globally."

He tells the newspaper that the virus has an incubation period of seven days, which may have already been reached because there are three flights a week from Wuhan to London. "We can't rule out that possibility. Border screening, and in this case the UK alerting the health system, is not foolproof."

He will continue making statements like this, raising his predicted case fatality rate to 3% on March 16, prompting Chancellor Angela Merkel to lock down Germany the next day. He also claims that 82% of the U.S. population will be infected. [See entry for March 16.] Here is an analysis of Ferguson's [past failures of epidemiological modeling](#).

January 24, 2020 — [The CDC says that it has developed a sophisticated diagnostic test and has sought FDA permission](#) to send it to public labs around the country. What they mean is they have developed their own PCR primers and kit, which their literature states use a "mimicked clinical specimen" that is based on the *in silico* sequence MN908947.

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.'

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). Gao 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. No part of the sequence has ever been shown to come from a coronavirus. [[iap](#)] [[kpcr](#)] This paper accounts for GISAID 402119, 402120 and 402121. [[benjamin](#)]

ALSO — Illinois health officials announced the first PCR positive (calling it a "confirmed case") within their state, also the second in the United States. The patient 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 claimed outbreak. There, she said she had frequently visited a hospitalized relative and other relatives with respiratory illnesses. On January 30, the [Centers for Disease Control and Prevention](#) (CDC) claimed that the first known human-to-human transmission in the US 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 allegedly transmitted the virus to her husband, said to be the second Illinois "case" and the sixth in the US after testing PCR positive (which is not diagnosis). He was isolated at the same hospital as his wife [[need identities and outcomes](#)].

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" PCR test and has sought FDA permission to send it to public labs around the country. CDC Press telebriefing [[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 the alleged 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" or "confirmed case" means PCR positive. Hardly anyone in the West knows what is really going on in China in any detail. We hardly know what is going on in New York.

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.

ALSO — 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] [iap]

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 SQUARE PATTERN ENDS OCT. 9, 2021. [ASTR] This is the defining aspect pattern of the "covid" era.

ALSO — The Unification Church's (a/k/a the Moonies') [newspaper the Washington Times reports](#), "The deadly animal-borne coronavirus spreading globally may have originated in a laboratory in the city of Wuhan linked to China's covert biological weapons program, said an Israeli biological warfare analyst," adding, "Dany Shoham, a former Israeli military intelligence officer who has studied Chinese biological warfare, said the institute is linked to Beijing's covert bio-weapons program." This is one of the two earliest references to "lab release," [the other being in the Daily Mail](#) from Jan. 23 (see above). [gof] [iap]

January 27, 2020 — In a "situation report," [the World Health organization claims](#) that there are 2,798 PCR positives on this date, of which 2,761 are said to be in China.

ALSO — 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]

ALSO — GenBank: MN996532.1 submits Bat — RaTG13. It was noted that on October 13, 2020 this sequence was replaced by MN996532.2 [bobby]

January 28, 2020 — WHO Director-General Tedros Adhanom Ghebreyesus meets personally with Chinese officials in Beijing. "Senior WHO delegation led by the Director-General travelled to Beijing to meet China's leadership, learn more about China's response." [pw]

[NBC News reports:](#)

Tudors, who joined the news conference [on Wednesday the 29th] late, said he met with Chinese leader [Xi Jinping](#), China's National Health Commission minister, Ma Xiaowei, and China's minister of foreign affairs, Wang Yi, on Tuesday [January 28]. During the visit, Tedros and Chinese leaders discussed containment measures and sharing data on the virus, he said.

ALSO — [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.](#)

Editor's Note: Planet Waves reporters could not find a direct connection between this incident and the claimed pandemic. We cannot rule in, or rule out, such a connection. However, there was a Wuhan connection: 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](#).

ALSO — 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 — The World Health Organization staged a press conference at the organization's Geneva headquarters. [[See full video on Twitter](#)] [[Read transcript on WHO website](#)] Tedros Adhanom Ghebreyesus joined event late; mostly, the information was presented by Dr. Mike Ryan [[see bio](#)], executive director of the WHO's health emergencies program.

He was [quoted by NBC News](#):

“These developments in terms of the evolution of the outbreak and further development of transmission, these are of grave concern and has spurred countries into action,” Ryan said, adding that he just returned from China on Wednesday. “What we know at this stage, this is still obviously a very active outbreak and information is being updated and changing by the hour.”

Without saying they are talking about PCR-positives or acknowledging the false positive problem, WHO asserts and the world press reports that the crisis is now worse than SARS was 10 years earlier:

Since the first patient was identified in Wuhan on Dec. 31, the number of coronavirus cases has mushroomed to 6,061 in mainland China as of Wednesday morning, [exceeding the total number of SARS cases](#) in that country during the 2003 epidemic. There were 5,327 SARS cases in China and 8,000 across the world diagnosed between Nov. 1, 2002, and July 31, 2003, according to the WHO.

NBC News also reports:

WHO Director-General Tedros Adhanom Ghebreyesus said the “continued increase in cases and the evidence of human-to-human transmission outside of China are, of course, most deeply disturbing.” The illness produces a range of symptoms with about 20% of the patients becoming severely ill, including pneumonia and respiratory failure, he said.

ALSO — [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 by someone on the Li-Li Ren team. 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/she used to communicate with another coworker about the 'discovery' of a new SARS." Our current analysis is that this essay is a work of Chinese propaganda designed to make it seem as if there was really a virus and that people were working diligently to solve the crisis.

ALSO — 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 presumed 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 metagenomic assembly of nucleotides into a hypothetical *in silico* sequence it's passing off as a "virus," with no evidence any part of the sequence actually matches or came from wild virion from a sick patient.

ALSO — A new pneumonia vaccine was on the agenda at the inaugural Global Forum on Childhood Pneumonia in Barcelona. From their literature: "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] [vax]

January 30, 2020 — **WHO declares public health emergency of international concern (PHEIC), its predecessor to a "global pandemic."**

The WHO Director-General reconvened the [Emergency Committee \(EC\)](#). This was earlier than the agreed 10-day reevaluation period, and only two days after the first reports of limited human-to-human transmission were reported outside China. This time, the Emergency Committee is said to have reached a 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 claimed novel coronavirus outbreak (2019-nCoV) a PHEIC. This was the 6th time WHO had declared a PHEIC since the International Health Regulations (IHR) came into force in 2005.

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 claimed virus's spread inside the United States. 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 the claimed SARS-CoV-2 virus. [The FDA granted the CDC the first EUA four days later.](#)

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

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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]

ALSO — [According to NIH](#), "The claimed virus has been spread [meaning PCR positives] 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 bloodpressure.**" [nih](#)

ALSO — The U.S. Senate voted against allowing subpoenas to call witnesses or documents in the impeachment trial by 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.

ALSO — Worldometers.info released a [multi-sourced summary of the events of January](#). The report quotes WHO data claiming that there are typically 795 to 1,781 deaths per day due to the "seasonal flu."

Regarding the rebranded flu known as SARS-CoV-2, by the end of January there were two PCR-positives in the UK, two in Russia, one each in Sweden and Spain, and four in Canada.

On January 30, the number of "cases" (meaning PCR-positives) was claimed to have exceeded that of SARS, which was said to have affected 8,096 people worldwide in 2003. That was a claimed turning point where authorities could say "this is worse than SARS," which was also the product of a test based on an *in-silico* sequence.

By month-end, 18 million people were placed in isolation as Wuhan and Huanggang were locked down by Chinese authorities, foreboding 4.4 billion people under lockdown globally just eight weeks later. The World Health Organization praised China for its "incredible commitment to isolate the virus and minimize the spread to other countries."

Nearly all "cases" claimed outside of China were not excess hospitalizations or actual sick people, but rather PCR positives, all of them based on the WHO assay designed by Corman and Drosten, which would eventually be wholly discredited as either fundamentally flawed or a work of fraud. As of this time, there were no deaths reported or claimed outside of China.

Yet based on this data, the WHO declared a global pandemic.



This photo of a man purportedly lying dead on the street of Wuhan, China, was taken January 30, 2020 as the "virus" was being rolled out in the international media. It was published by many newspapers around the world and quickly became one of the most iconic images of the "covid" era, providing "photographic proof" that there was indeed a plague spreading in Wuhan. Caption from The (UK) *Guardian*: Emergency staff in protective suits check the body of a man who collapsed and died in the street in Wuhan on Thursday. *The New York Times* caption admitted that it was unknown whether the man actually had caught the coronavirus. Photograph: Héctor Retamal / AFP. Other [similar photos exist](#) and are attributed to AFP. Also see [South China Morning Post](#).

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 AngusKing, 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 EUApackage 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 peoplewon't get sick. There has been some confusion about that statement, and somepeople 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](#). Also see [FDA press release](#) making the announcement.

In the [EUA document](#), the CDC says, "Since no quantified virus isolates of the 2019-nCoV are currently available," we have gone through the described process "to mimic [a] clinical specimen." This is based on the *in silico* sequence MN908947,published by China one month earlier.

Simply put, the CDC is saying they have no actual sample of the claimed virus, so we created one synthetically, known elsewhere by the federal government as "[contrived samples](#)" [[see also](#)] composited from many sources and run through metagenomic transcription. What they mean is that they are using an *in-silico* or theoretical sequence as the source of the primers in their PCR test for "SARS-CoV-

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.



Dr. Robert Kozak, Dr. Samira Mubareka, Dr. Arinjay Banerjee, who falsely claimed to have isolated SARS-CoV-2. This is the Sunnybrook/McMaster/University of Toronto team described in the entry below as the ones who don't return my phone calls.

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 nimblecollaboration, the team was able to culture the virus from two clinical specimens in a Level 3 containment facility."

There is no peer-reviewed publication or even a preprint associated with this claim, only a press release. The press release is widely cited as proof of existence of the virus. Davide Battini, an Italian biochemist and engineer, responds to the claim:

"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 (lung fluid), immortalized (pure poison and viral enrichers) to be redistributed to other laboratories. Then they 'crumbled' the RNA in the BALF into 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."

This is actually metagenomics, not sequencing. No part of the claimed sequence has ever been shown to come from a coronavirus, or any virus. [db] [iap]

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 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](#). [need 'case' count in France for this day]

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](#), states that the claimed genome sequence of "SARS CoV-2" 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](#). In fact the genome is wholly unnatural — it is *in-silico*; it is the product of artificial intelligence. The sequences are all — all — computer built and edited. None are natural. 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](#). [gof]

ALSO — New York's Gov. Andrew Cuomo orders businesses [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

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 28, 2020 — Planet Waves publishes [Silent Spring — and Summer, and Autumn, and Winter](#). It quotes Rachel Carson: “Man is a part of nature, and his war against nature is inevitably a war against himself.” [efc]

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 COVIDvirus 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 1000 hospital beds, with 100 intensive care beds with ventilators, and 100 operating rooms. The plan was 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. Here is how Wikipedia tells the story; footnotes to source material left in.

Comfort began deployment from [Norfolk, Virginia](#), to [New York Harbor](#) on 28 March to help deal with the impact of the [COVID-19 pandemic](#).^{[30][31]}

Comfort arrived in New York on 30 March 2020.^[32] Initially, her mission was to treat patients who did not have the virus, freeing up land-based hospitals to focus on patients with [COVID-19](#).^[32] But later half of the ship’s 1000 beds were removed so that she could isolate and treat coronavirus patients.^[33] On 6 April 2020, COVID-19 patients were allowed onto the ship.^[34] One day later, the Navy announced that one crew member aboard *Comfort* had tested positive for the coronavirus and that several other crew members were put into isolation.^[35]

"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 8, 2020 — UNAIDS issues a statement that sexworkers "[must not be leftbehind](#)" being protected from the "pandemic." [sex] From the statement:

Sex worker-led organizations from all regions are reporting a lack of access to national social protection schemes and exclusion from emergency social protection measures being put in place for other workers, particularly where sex work is criminalized. Whenever and wherever possible, sex workers are responsibly self-isolating in response to governments' calls. However, when they are excluded from COVID-19 social protection responses, sex workers are faced with putting their safety, their health and their lives at increased risk just to survive.

April 9, 2020 — Supporters of medical staff around the world make a lot of noise at 7 pm local time wherever they are. [See images and videos here](#). 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."

ALSO — By this time, most people were accustomed to seeing the wiping down of shopping carts in supermarkets and big box stores. This came along with cleaning the groceries, the disallowing reusable bags brought from home, and people washing their clothes before coming into the house. In Shelby County, Alabama, a supermarket installed a [cart sanitizing machine](#). What a wonderful modern world.



Chemical-based shopping cart sanitizing machine in Shelby County, Alabama. [See video.](#) What is the "disinfectant" chemical being used in this device? How toxic is it?

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." [5g]

April 11, 2020 — Over 550 crew members aboard the *USS Theodore Roosevelt*, a U.S. Navy aircraft carrier, [test PCR positive](#). One sailor out of all those PCR positives is said to have died; news reports say his sample was taken March 30.

April 14, 2020 — [Pres. Trump stops U.S. funding of the World Health Organization.](#)

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

different possible crime scenes across at least seven different towns in the province, the investigation involved over 25 different units within the RCMP as well as support from the Canadian Armed Forces.

April 19, 2020 — MIT senior research scientist [Dr. Stephanie Seneff appears on Planet Waves FM](#) and proposes her theory that pollution by Roundup that has made its way into diesel fuel and is then burned and volatilized is in part responsible for "covid" deaths. Her theory is based on her observation that "covid" deaths are higher near highways. On October 27, the journal *Cardiovascular Research* will support this theory with the finding that [air pollution is a factor in many "covid" deaths](#) — as many as 27% in some locales.

3. GUIDELINES FOR CERTIFYING COVID-19 AS A CAUSE OF DEATH

In view of COVID-19 it is important to record and report deaths due to COVID-19 in a uniform way.

A- RECORDING COVID-19 ON THE MEDICAL CERTIFICATE OF CAUSE OF DEATH

COVID-19 should be recorded on the medical certificate of cause of death for ALL decedents where the disease caused, or is assumed to have caused, or contributed to death.

B- TERMINOLOGY

The use of official terminology, **COVID-19**, should be used for all certification of this cause of death.

As there are many types of coronaviruses, it is recommended not to use "coronavirus" in place of COVID-19. This helps to reduce uncertainty for the classification or coding and to correctly monitor these deaths.

World Health Organization death reporting guidelines for "covid" issued April 20, 2020. The WHO is a private entity paid for mostly by China and Bill Gates.

ALSO — *The Sun* newspaper in England [gives a boost to the already circulating "lab release theory"](#) of the nonexistent outbreak. See images below. From the article:

In January 2018, the US Embassy in Beijing sent two official warnings back to Washington highlighting inadequate safety measures at the [Wuhan](#) lab where scientists conducted dangerous research on coronavirus from bats, The Washington Post reported.

They warned about safety and management weaknesses at the lab and proposed more international assistance as the Chinese had turned downhelp to prove their ability to work independently.

Patient Zero, the first person to contract Covid-19, was an intern therewho infected her boyfriend, it was being claimed.

President Donald Trump said the [US was trying to establish if coronavirus first crossed to humans during the bat tests.](#)



[Both images from The Sun on April 19, 2020.](#)



News > World News

COVID CRISIS Shocking photos inside Wuhan lab show broken seal on unit storing 1,500 virus strains including bat coronavirus

Ellie Cambridge

Published: 9:13, 19 Apr 2020 | Updated: 9:18, 19 Apr 2020

April 20, 2020 — World Health Organization [issues a guidance memo \[also in alt location\]](#) that allows nearly any deaths to be categorized as "COVID-19." This is similar to the CDC guidance that came out March 24, 2020. If someone *assumes "covid" may have contributed to the death, it is counted as the cause of death.* This is not a joke. Nowhere is there the requirement for a "positive" test result, or specific symptoms. Here is the salient quote:

"COVID-19 should be recorded on the medical certificate of cause of death for ALL decedents where the disease caused, or is assumed to have caused, or contributed to death."

The memo elaborates:

"A death due to COVID-19 is defined for surveillance purposes as a death resulting from a clinically compatible illness, ***in a probable or confirmed COVID-19 case, unless there is a clear alternative cause of death that cannot be related to COVID disease*** (e.g. trauma). There should be no period of complete recovery from COVID-19 between illness and death. A death due to COVID-19 may not be attributed to another disease (e.g. cancer) and should be counted independently of preexisting conditions that are suspected of triggering a severe course of COVID-19." [Emphasis added.]

Therefore, even if a patient was suffering from late-stage cancer, they are still counted as a covid death if the doctor *assumes it may have been a factor.*

ALSO — Biochemist David Rasnick appears on [The Infectious Myth program](#) hosted by David Crowe. Rasnick is involved with the group Rethinking AIDS, of which Crowe is chairman. Both are leaders of the 'covid' truth movement.

ALSO — Greenmedinfo (Sayer Ji) publishes article by Joy Fritz, a former death reporting clerk in the LA 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 corona-virus 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.

ALSO — 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.

ALSO — 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 annual sales.

April 24 — The U.S. Food and Drug Administration [warns](#) against the use of hydroxychloroquine, an anti-malarial drug touted by Pres. Trump as a coronavirus

treatment. Overdoses of the drug are later implicated in early "covid" deaths, though a study published two months later [in the journal Eli eSciences](#) contradicts this finding, saying the widely-used drug is not a cardiac risk. The issue of toxic effect would seem to hinge on the dosage involved.

ALSO — Planet Waves publishes [The Private Idaho Virus](#) by Eric F. Coppelino. "For many, this scenario brings up their most personal worst fears: of martial law and dictatorship, of mandatory, improperly tested vaccines, of poverty, of a financial collapse, of corporate greed, of government incompetence, of food running out. Of the creepy 5G satellite system we're told will soon blanket the globe and every street." [efc]

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.



Screen shot of French video above where Nobel-laureate Luc Montagnier, co- discoverer of the claimed "HIV virus" (which he admits was never isolated) says that SARS-CoV-2 shows signs of genetic manipulation and seems to have sequences from HIV added.

ALSO — Luc Montagnier, who shared the Nobel Prize with Robert Gallo for his discovery of the claimed HIV virus, says he believes 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 Jan. 31, 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.](#) [gof] Once again, seems oblivious to the *in-silico* issue. [gof] [iap]

April 28, 2020 — Kevin Corbett, Ph.D. [receives the first of what will become 200+ 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, 200 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 PWF.M.

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 aerial phenomena." In October, the film [The Phenomenon](#) directed by James Fox will be released, confirming many examples of UFOs, UAOs and close encounters. Previously, the Pentagon had not confirmed that these videos were in fact of UAOs.

[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. See coverage in [Business Insider](#).

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

ALSO — Armed protesters in Michigan demand an end to the lockdown. [From Common Dreams:](#)

The right-wing movement against public health measures designed to stave off

the coronavirus pandemic escalated on Thursday as armed gunmen were among those who stormed the Michigan state house and tried to enter the legislative chamber.

The protesters entered the building after holding a small rally outside the State House in Lansing, calling for an end to Democratic Gov. Gretchen Whitmer's stay-at-home order in accordance with guidance from public health experts due to the coronavirus pandemic.

The so-called "American Patriot Rally" was organized by the recently-formed group Michigan United for Liberty and came two weeks after a similar protest dubbed "Operation Gridlock" created a traffic jam outside the government building.

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 overall 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.

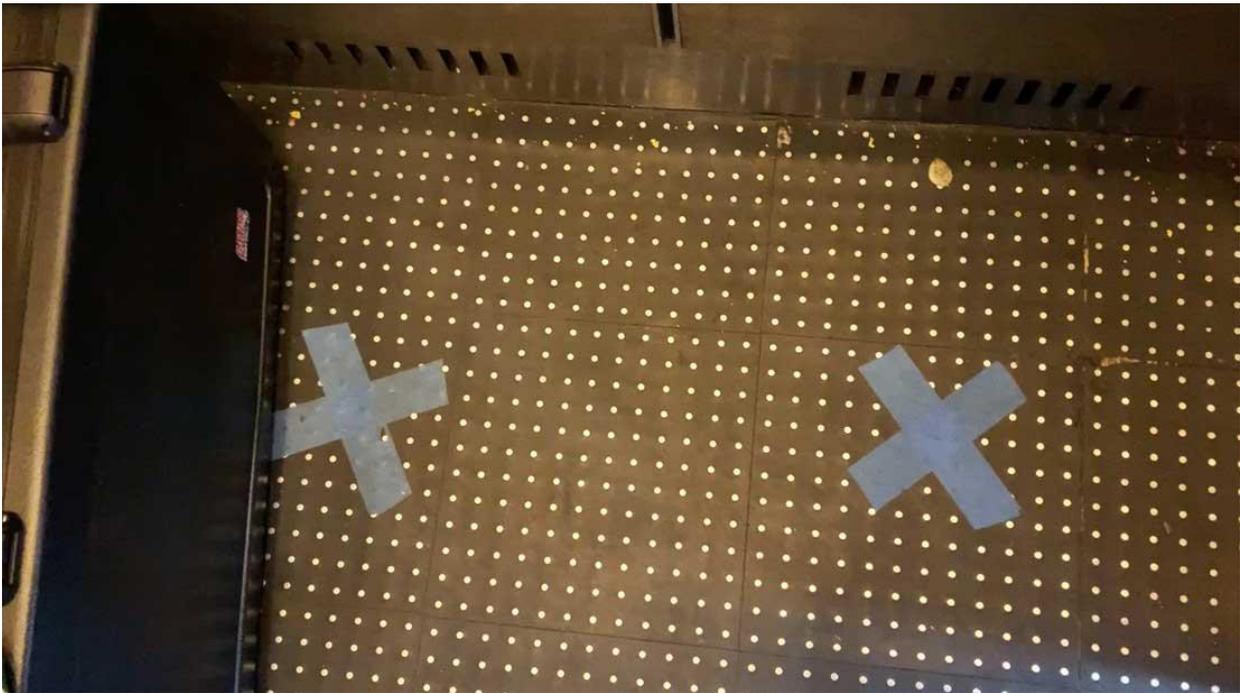
ALSO — [USA Today reports](#) — more "refrigerator" trucks or rather, an ice box. There is no actual connection made to "SARS-CoV-2." It is merely a news report without further follow-up.

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](#)



Specifications for how to socially distance in a tiny elevator in a Manhattan parking garage, May 2020, Chelsea, New York City. Just stand still and hold your breath. Photo by Eric.

May 2020 — Events this month represent a coalition point for the nascent covid truth movement. Judy Mikovits is the star of the early May news cycle. She is featured in the newly released documentary *Plandemic*, and the release of her book *Plague of Corruption*. The "covid truth" movement picked up people even as skeptics threw tomatoes and cried conspiracy theory.

Editor's Note — *At this stage of the crisis, the alt news cycle is about 10 days. An issue surfaces, and it's big for a while, trailing off at a week and a half. At this particular moment, Mikovits was du jour. As 2020 progressed, however, it felt more like a simultaneous experience of everything, with twenty major issues a week popping.*

ALSO — This month a statistic is circulated widely: [94% of claimed covid deaths are shown by CDC data to have average four additional serious underlying causes of mortality. The issue gets no traction whatsoever in mainstream news.](#)

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 PlanetWaves. This is an article analyzing the difference between a conspiracy theory and a grounded scientific theory. [efc]

ALSO: The U.S. 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, and despite substantial, multiple-source evidence to the contrary. There is growing talk from other scientists that we may never know how the claimed virus initially spread to humans in the first place. The wet market theory/story has been thoroughly unraveled by contact tracing that indicates the first 13 cases in Wuhan had no contact with the market. [got] [iap]

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 COVID-19 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 thousands of 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." Because the sequences are all *in-silico*, meaning computer transcripts of a nonexistent, virtual "virus," it is difficult to say what they are looking at to make this assessment. [[wapo](#)] [[gof](#)] [[bas](#)]

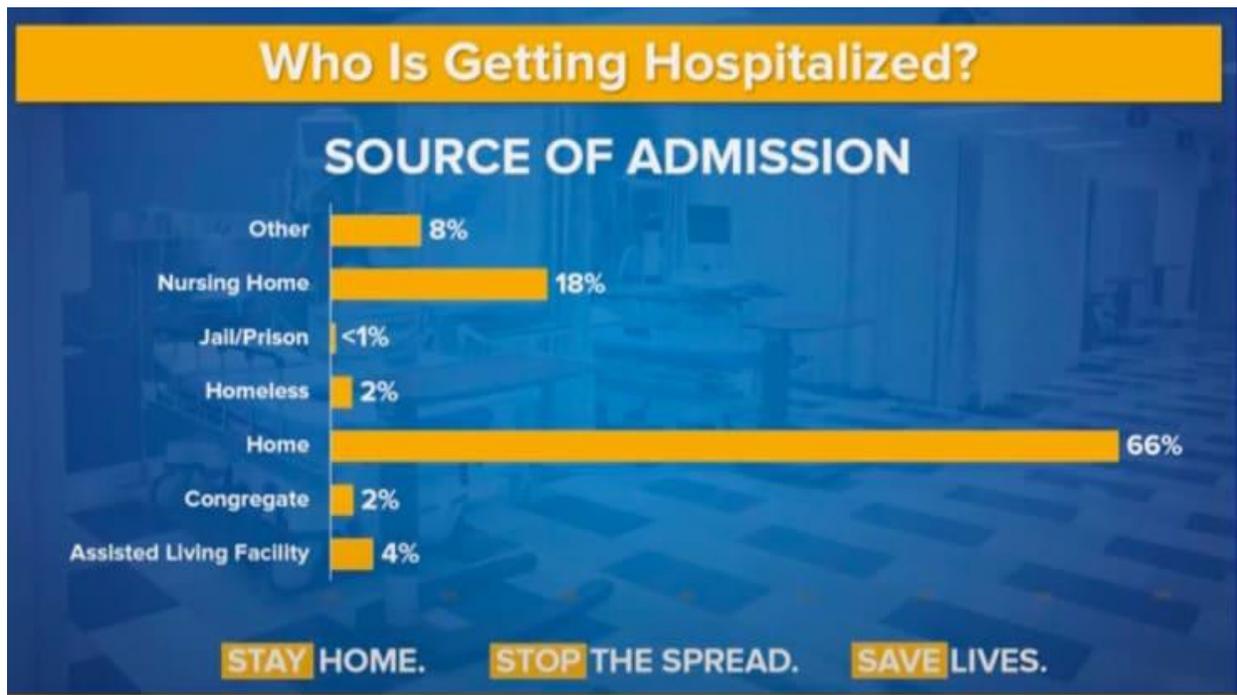
May 6, 2020 — Neil Ferguson, an epidemiologist who provided the models which guided most countries to impose lockdown measures, [has resigned after secretly meeting with his married lover](#), in the midst of stay-at-home measures. *The New Zealand Herald* reported, "He was forced to resign from his government advisory position the prior day 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." He remains employed by Imperial College London, and will be back in play soon enough.

ALSO — New York City subway system [shuts down overnight for the first time in its 115 year history](#). Ostensibly this is for cleaning and disinfection. This is based on the unproven and later determined nonexistent notion of fomite transmission, or transmission of a claimed respiratory virus by contact with physical objects. Ridership had plummeted by 90% overall between March and early May 2020.

ALSO — 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 of hospital admissions was from nursing homes, comprising 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—see graphic below.



ALSO — From *Covid19 News*: "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 WHYY.](#)

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 — SARS-CoV-2 PCR 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 PCR test 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](#).]

ALSO — Post to a discussion area hosted by the Columbia University statistics department [questions why anyone would listen to Neil Ferguson](#) of Imperial College London, who had falsely predicted megadeath with covid and many other outbreaks. The author quotes John Fund:

[Imperial College epidemiologist Neil] Ferguson was behind the disputed research that sparked the mass culling of eleven million sheep and cattle during the 2001 outbreak of foot-and-mouth disease. He also predicted that up to 150,000 people could die. There were fewer than 200 deaths. . . .

In 2002, Ferguson predicted that up to 50,000 people would likely die from exposure to BSE (mad cow disease) in beef. In the U.K., there were only 177 deaths from BSE.

In 2005, Ferguson predicted that up to 150 million people could be killed from bird flu. In the end, only 282 people died worldwide from the disease between 2003 and 2009.

In 2009, a government estimate, based on Ferguson's advice, said a "reasonable worst-case scenario" was that the swine flu would lead to 65,000 British deaths. In the end, swine flu killed 457 people in the U.K.

Last March, Ferguson admitted that his Imperial College model of the COVID-19 disease was based on undocumented, 13-year-old computer code that was intended to be used for a feared influenza pandemic, rather than a coronavirus. Ferguson declined to release his original code so other scientists could check his results. He only released a heavily revised set of code last week, after a six-week delay.

So the real scandal is: Why did anyone ever listen to this guy?

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 released 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 — Pres. 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.

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. He has an interesting theory of viruses, and there are some truly moving elements to this conversation:

ZACH BUSH — If there's crimes against humanity being exercised right now, I don't believe that it's in a military lab. I believe that it's in those ICUs of dying patients alone. In what time in history have we decided that we need to en masse let our – let people die alone? Marines are taught to never leave a soldier on the battlefield. Marines will literally charge into machine gun fire, into rocket fire, to go grab that injured soldier so that they don't die alone in enemy hands.

What level of fear have we induced in mankind that we are letting our revered elderly, and our young people, who are dying from these conditions, die alone? It is worse than rocket fire. It is worse than this. And we've generated that level of fear around a virus that looks to have a mortality similar to flu.

What are we doing with this tyranny of fear? We are tearing apart the very fabric of what it means to be human. There's an innate drive in us to stay connected, to stay in one another's presence. To have fellowship with one another. It's written into our constitution that you will not block public gatherings, you will not block the ability for us to get together and practice our spiritual faith, to practice our spiritual experience.

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, the project 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 — Du Wei, China's ambassador to Israel, [is found dead in his home](#). Previously he served as envoy to Ukraine.



Human parking spaces (or is it pixels) in New York City, May, 2020. Photo by Paul Martinka.

ALSO — *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 No. 10 garden this evening," Private Secretary Margrin 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.

ALSO — [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.

ALSO — Planet Waves publishes [How Did We Get Here \(part one\)](#) by Eric F. Coppelino. [efc]

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

May 24, 2020 — *The New York Times* runs a dramatic cover with names of some of the 100,000 people they say were killed by SARS-CoV-2.

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 shortage of monkeys for testing vaccines.

absolute detection limit of one molecule of target at cycle 35.

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 MorningAmerica. “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 November 2020 | [November Source Material](#)



Urinal closed for social distancing, New York Thruway, October 2020.

November 1, 2020 — Proving that nobody is immune from the PCR-created falsecasedemic, 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. Tedros Adhanom Ghebreyesus wrote:

"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

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 investigation, 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 relax "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.

December 2020 | [December Source Material](#)



Mount Sakurajima, on the southern Japanese island of Kyushu, erupted in late 2020. It sent a plume of ash into a sky illuminated by a lightning storm. Epidemiologist Neil Ferguson at Imperial College London predicted that a volcano would erupt in your neighborhood too, and that lightning would strike every person on Earth sometime in the next three weeks.

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-widewid 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.

ALSO — In Staten Island, New York City, Mac’s Public House owner [taken away in handcuffs](#) as business protests dining mandates [Mac]

ALSO — Planet Waves publishes [The three biggest scientific developments in the Covid situation happened in late November](#) by Eric F. Coppelino. The article covers the *Nature* study revealing no asymptomatic spread; the Johns Hopkins study revealing no excess mortality in any age category; and the Corman-Drosten retraction demand published by 22 life scientists. [efc]

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. More flattening the curve! Summarizing a press report, this is about a set of new and far-reaching restrictions tied to regional strains on critical care services as PCR positives continue to rise. The rules 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 partyline.

ALSO — Florida [requires cycle threshold to be reported](#) with test results. [Here is the full memo](#).

ALSO — Planet Waves publishes [Drowning in Digital](#) by Eric F. Coppelino. [efc]

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 — Mac's Public House — [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 claimed 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 8, 2020 — Doctors from around the world warn the public [not to take the experimental "covid" injection.](#)

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 — runs on ICUs are claimed by the press many years.

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%

Above are New York's ICU numbers the day of publication, sent to me December 9 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.

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. The trial data will continue to spill out through early 2021, indicating many deaths and injuries during the first months of the injection program.

ALSO — Anthony Fauci speaks at Harvard University promising that the country will be back to normal after the summer of 2021, if 80% of the population is injected with the "covid" jab. See [official Harvard statement](#). See [video presentation](#).

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 and advisor 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).

ALSO — On this day (Dec. 15, 2020), Drs. Tom Cowan and Andrew Kaufman speak for the first time together in a facility that becomes known as Arklight, in Ghent, New York (which is upstate, somewhat near Albany). This is one week ahead of New York's lockdown on social gatherings was lifted. The two MDs have become truth movement celebrities for their analysis of problems with claims of virus isolation and purification. The day's proceedings [were recorded and preserved](#) by Planet Waves FM/Chiron Return.



Dr. Tom Cowan, left, and Dr. Andrew Kaufman, right, at Arklight in Ghent, New York, on December 15, 2020 — their first time presenting together, before an audience of about 130 unmasked people who were not socially distancing. Photo by Eric.

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 HealthPartners 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. From the article: “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 — Digital application tools are developed to weigh the risk of catching “covid.” Co-Director of the Brown-Lifespan Center for Digital Health in Providence, Rhode Island, Megan Ramney works with colleagues to develop an application called MyCOVIDRisk that is a “simple, questionnaire-based web app” that gives users a sense of their infection rate based on their planned activity in a specific place or situation. [[nature](#)]

ALSO — [Capricorn solstice and Jupiter conjunct Saturn in Aquarius](#).

ALSO — Congress [passes \\$900 billion covid relief bill](#), ending a long stalemate. A trillion here, a trillion there.

ALSO — Neil Ferguson is back. He claimed 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.

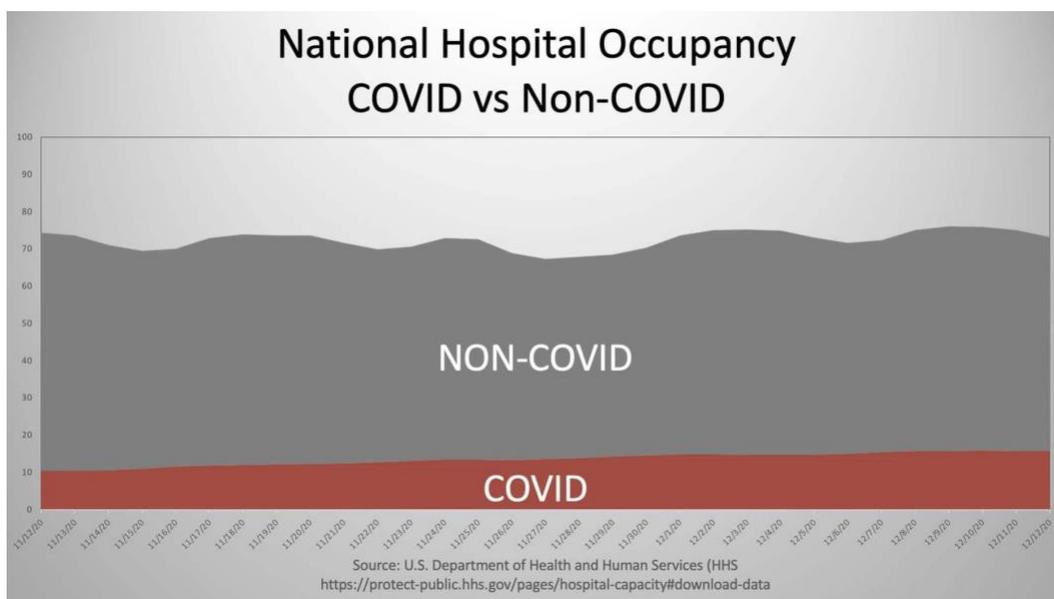
Peter Horby, chair of NERVTAG and professor of emerging infectious diseases at the University of Oxford, said that since the initial analysis of data, which prompted the government to cancel a planned five-day lifting of restrictions over Christmas, scientists were now more confident about the risks 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 allegedly gets his first covid injection. He is said to have chosen Pfizer. The shot, which Biden is said to have 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.

ALSO — [It's Time for a Covid Reality Check](#) published by Planet Waves. The article details the PCR false positive problem from several angles and also documents that one-third of hospital beds are empty in New York while politicians and the media continue to drive panic as the vaccine release commences. [etc]

ALSO — Jeremy Hammond in an article refutes that there is something special going on with hospital overcrowding. The article is called [Remember Overwhelmed Hospitals Three Years Ago?](#)



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 culturaldepression" [due to legions of unemployed performers](#). No mention yet of those killed or injured by the "vaccine."

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.

ALSO — United Kingdom's eugenics movement linked to development of Oxford-AstraZeneca Covid-19 vaccine. [[Unlimited Hangout](#)]

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 continues [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 Parcare 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 30, 2020 — *The New York Times* published an opinion piece by RFK Jr.'s niece, Dr. Kerry Meltzer that contained factual errors and defamatory accusations. The *Times* declined to publish RFK Jr.'s letter correcting the false accusations. [CHD] The notion of "opportunity to respond" as a central tenet of journalistic ethics has left the house — or rather, been kicked out.

December 31, 2020 — Turkish scientists claim to have developed a ten-second "covid" test that they claim is 99 percent accurate. A swab is taken from the patient's mouth before being mixed with a solution and added to a pathogen detection chip. "It detects the presence of pathogens with high accuracy by receiving a fluorescent signal," said Ali Aytac Seyman, a researcher at the National Nanotechnology Research Centre (UNAM). [euronews]

ALSO — 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 Coppelino 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 withno data to the contrary, they are still presumed to be wrong.

"Anti-maskers on Facebook weren't eschewing data. Rather, they discussed howdifferent kinds of data were collected and why. "Their arguments are really quitenanced," 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.

6.4.2 Control samples — reveals lack of true negative control, which would be an assurance against cross-reactivity.

Negative control samples, such as buffer or water, should always be included in anysequencing run that contains multiple samples. They should be included at the earliest stage possible and should proceed with samples through all stages of the sequencing pipeline. This is extremely important to rule out contamination during a sequencing run that occurs in the laboratory or during bioinformatic processing.

Positive control samples with known genetic sequences can be useful to validate newly adopted or adapted bioinformatic pipelines for consensus calling, but do notneed to be included in every sequencing run.

(World Health Organization, "Genomic sequencing of SARS-CoV-2 - A guide to implementation for maximum impact on public health", 8 Jan 2021)

Editor's Note — The discovery of the lack of a negative control in the SARS-CoV-2 PCRdesign is critical. In my understanding, water is used as what in toxicological testing is called a blank. A blank tests the system for internal contamination by the target.

This is used in GC/MS, and is how benzene contamination was discovered in Perrier; water was being used as a source of the blank (perfectly good one at that, except for that little coincidence).

An actual negative control (a sample of the wrong thing) is an assurance against cross-reactivity. It should not merely be an inert placebo.

Note that the policy below is attributed to WHO. We know they admit that their "covid" PCR cross reacts with other "Asian viruses."

Therefore, they risk hitting positive on a true negative control if they use one, so they don't. It should be something like flu or herpes: in principle, a "real" sequence, but one *that should test negative* when the sample is run using SARS-CoV-2 primers, hence, "negative control."

This is unacceptable and is further evidence they are lying. In a testing program for SV-40 described in *The Virus and the Vaccine*, this protocol is used. Any lab that did not get every variable right had its data tossed (this was from mesothelioma tumor samples, where they were looking for SV-40).



Photo: Lanvi Nguyen

Eric Francis Coppelino hosts [Planet Waves FM](#) on Pacifica Radio and is the author of [The Covid Chronology](#). Has been investigating scientific fraud since age 19, when he put his feet on the ground in the chemical- and nuclear-contaminated [Love Canal neighborhood](#) in Niagara Falls, New York.

He has covered Monsanto, GE, Westinghouse, the FDA, the EPA and the CDC, and many other corporations, government agencies and NGOs. His articles have appeared in *Sierra*, *The Village Voice*, *The New York Times*, the *New York Daily News*, *The Ecologist* and elsewhere.

Eric is the author of the internationally acclaimed [Planet Waves horoscope](#), and of thousands of articles integrating news astrology and investigative reporting. He's written lots about Chiron and Eris.

Author's email: **editors@planetwaves.net**
Author's phone: (845) 481-5616