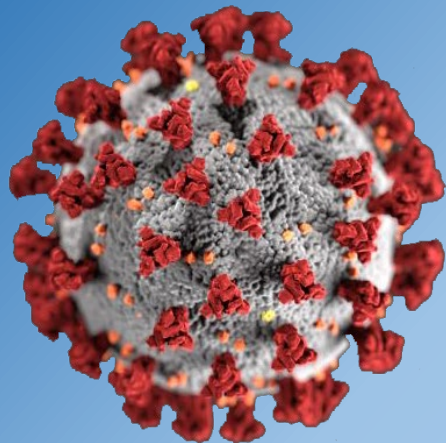


The Perfect Storm: COVID-19

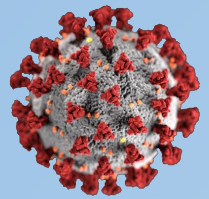
Tracing The History of Ineffective Disease Policy



Kevin T. Kavanagh, MD, MS
Health Watch USAsm



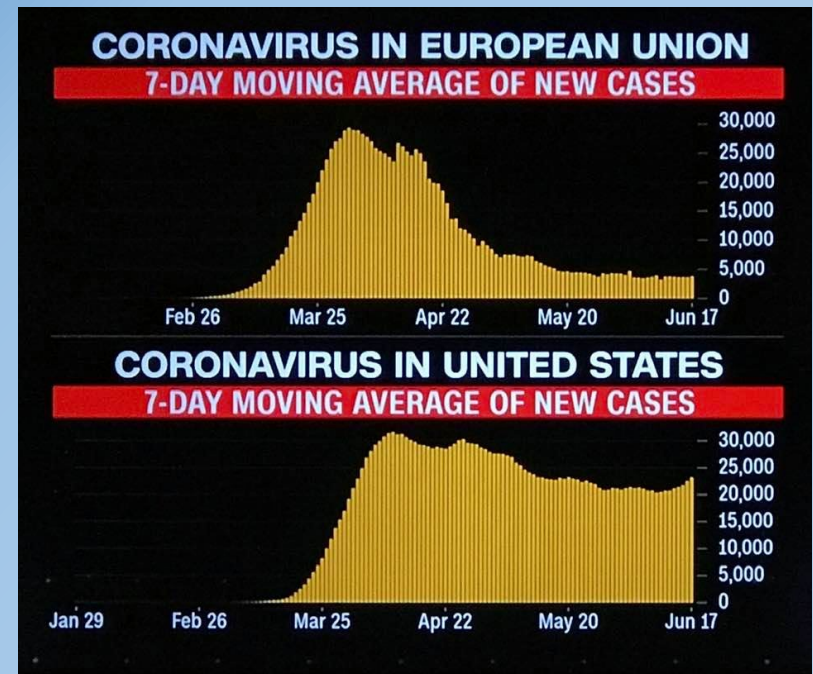
Objectives & Disclaimer



Tracing The History of Ineffective Disease Policy

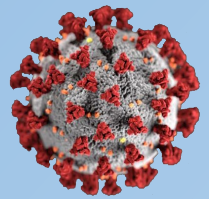
- Understanding important of evidence-based strategies in the prevention of emerging epidemics.
- Understanding important of maintaining an appropriate infrastructure in the prevention of emerging epidemics.

This presentation is the express opinion of Kevin Kavanaugh, not of Health Watch USAsm or the Massachusetts Nurses Association.



Source CNN: June 2020

Pandemic and All-Hazards Preparedness Act



In 2005 President George Bush stated:

- “A pandemic is a lot like a forest fire: if caught early, it might be extinguished with limited damage; if allowed to smolder undetected, it can grow to an inferno that spreads quickly beyond our ability to control it.”
- “if we wait for a pandemic to appear, it will be too late to prepare, and one day many lives could be needlessly lost because we failed to act today and one day many lives could be needlessly lost because we failed to act today..”
- A total of 7.1 Billion was requested from the U.S. Congress
- On Dec. 19, 2006, the “Pandemic and All-Hazards Preparedness Act” became law.



Pandemic and All-Hazards Preparedness Act



Public Health Emergency

Public Health and Medical Emergency Support for a Nation Prepared

Pandemic and All Hazards Preparedness Act

In December 2006, Congress passed and the President signed the Pandemic and All-Hazards Preparedness Act (PAHPA), [Public Law No. 109-417](#), which has broad implications for the Department of Health and Human Service's (HHS) preparedness and response activities. Among other things, the Act amended the [Public Health Service Act](#) to established within the Department a new Assistant Secretary for Preparedness and Response (ASPR); provided new authorities for a number of programs, including the advanced development and acquisitions of medical countermeasures; and called for the establishment of a quadrennial National Health Security Strategy.

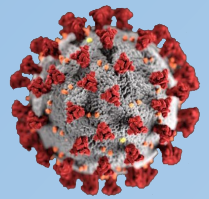
The purpose of the Pandemic and All-Hazards Preparedness Act is "to improve the Nation's public health and medical preparedness and response capabilities for emergencies, whether deliberate, accidental, or natural."

Major Program Areas

- ▶ Biomedical Advanced Research and Development Authority (BARDA) and Medical Countermeasures;
- ▶ Emergency Support Function (ESF) #8: Public Health and Medical Response: Domestic Programs;
- ▶ Emergency Support Function (ESF) #8: Public Health and Medical Response: International Programs;
- ▶ Grants;
- ▶ At-Risk Individuals;
- ▶ [National Health Security Strategy \(NHSS\)](#);
- ▶ Situational Awareness: Surveillance, Credentialing, and [Telehealth](#); and
- ▶ Education and Training

<https://www.phe.gov/Preparedness/legal/pahpa/Pages/default.aspx>

Degraded Infectious Disease Infrastructure



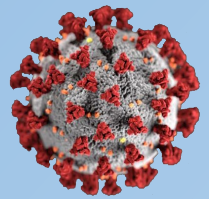
Los Angeles Times

Face masks in national stockpile have not been substantially replenished since 2009

- “The Stockpile Distributed 85 Million N95 Respirators.”
- “But the stockpile’s reserves were not significantly restored after the 2009 (N1H1) pandemic, in the view of industry and public health experts.”
- “The Department of Health and Human Services said last week that the stockpile has about 12 million N95 respirators and 30 million surgical masks —a scant 1 percent of the estimated 3.5 billion masks the nation would need in a severe pandemic. Another 5 million N95 masks in the stockpile are expired.”

Reinhard B, Brown E. Face masks in national stockpile have not been substantially replenished since 2009. The Washington Post. March 10, 2020. https://www.washingtonpost.com/investigations/face-masks-in-national-stockpile-have-not-been-substantially-replenished-since-2009/2020/03/10/57e57316-60c9-11ea-8baf-519cedb6ccd9_story.html

Degraded Infectious Disease Infrastructure



Before the COVID-19 Pandemic Hit, Singapore had almost three N95 Mask Stockpiled for Every Resident.

Dependence on China – Supply Chain



China Rx Published April 17, 2018

“But with the rise of globalization, antibiotics, antidepressants, birth control pills, blood pressure medicines, cancer drugs, among many others are made in China and sold in the United States. China's biggest impact on the US drug supply is making essential ingredients for thousands of medicines found in American homes and used in hospital intensive care units and operating rooms.”

Rosemary Gibson On Supply Chain Dependence on China:
<https://youtu.be/4qbxJeRSIY8>

The same is true for Personal Protection Equipment, Medical Devices and Medical Supplies.

Dependence on China – Supply Chain



A Comment Regarding Rosemary Gibson's Presentation:



Zaw Zaw Aung • 3 months ago

OKAY. The Chinese did not put a gun to US pharma manufacturers' heads and say "move all your production to China". US pharma wanted 3000% margins, and also did not want to pay US workers and technicians. Believe me, none of the savings are passed on to the patient. I've worked in pharma in China for 20 years. We went from poorly copying drugs for our own market to being the very first place American pharma goes when they are deciding where to make a new molecule. They no longer consider US manufacturing an option.

[Show less](#)



Rosemary Gibson On Supply Chain Dependence on China:

<https://youtu.be/4qbxJeRSIY8>

President Trump's Tariffs on China May Have Preemptively Helped Us Respond to Supply Chain Disruptions.



Degraded Infectious Disease Infrastructure



Did Trump Administration Fire the US Pandemic Response Team?

As a new coronavirus spread in 2020, so did concerns about the United States' preparedness for a potential pandemic.

BETHANIA PALMA

PUBLISHED 26 FEBRUARY 2020 | UPDATED 13 MARCH 2020



True

About this rating [↗](#)

In the Spring of 2018, The Pandemic Response Team was disbanded, and their responsibilities were reassigned to other agencies

<https://www.snopes.com/fact-check/trump-fire-pandemic-team/>

Health Watch USA Called For National Reporting System for Dangerous Pathogens



Sept. 2018: “The lack of firm standards and policies is placing healthcare workers along with their patients and families at risk for acquisition of these dangerous pathogens. At a minimum we need routine testing to identify carriers and a standardized national reporting system for healthcare worker acquisitions, along with an economic safety net for those workers who acquire these dangerous pathogens.”

Public Comment: <http://www.healthwatchusa.org/HWUSA-Presentations-Community/PDF-Downloads/20180516-EffortsToControlTheEpidemicOfMDROs--Final.pdf>

Kavanagh K. The Presidential Advisory Council on Combating Antibiotic-Resistant Bacteria (PACCARB) - Sept. 26, 2018. <https://youtu.be/vcFwjD7uLtk>

Health Watch USA Called For National Reporting System for Dangerous Pathogens



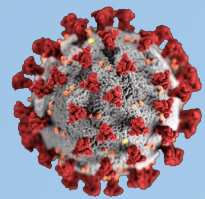
Sept 2018: Proposed Policies to Protect Healthcare Workers:

- **The screening of patients and healthcare workers for dangerous pathogens**, including MRSA, to mitigate the chances of spread to other patients, staff and the community.
- **Establish a surveillance system for healthcare workers** to determine the extent of occupational acquisition and infections of dangerous pathogens, including MRSA.
- **Establish an economic and healthcare safety net for healthcare workers who become infected or colonized with dangerous pathogens**, including MRSA.
- Research to promote effective screening and decolonization of healthcare workers for dangerous pathogens, including MRSA.

Kavanagh K. View point: gaps in the current guidelines for the prevention of Methicillin-resistant Staphylococcus aureus surgical site infections. ARIC. Sept. 2018 112 (2018) .

<https://aricjournal.biomedcentral.com/articles/10.1186/s13756-018-0407-0>

Need for Comprehensive & Stronger Standards to Control Dangerous Pathogens



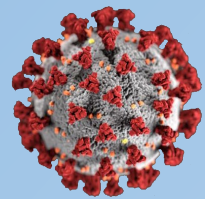
Jan. 2019: Comment on the PACCARB Key Strategies: Goal 1: Slow the emergence of resistant bacteria and prevent the spread of resistant Infections

“In the 2018 Key Strategies the only specific protocol which was mentioned for inclusion in education was hand hygiene. However, much more needs to be specified. In the context of drug resistant bacteria, **hand hygiene is a backup measure, since these organisms should not be on a healthcare worker’s hands in the first place.**

The committee should expand its focus on prevention to include **patients and healthcare workers to undergo routine active surveillance for carriage of endemic MDROs. A reporting system of healthcare workers’ carriage and infections along with an economic safety net for those affected also needs to be implemented.”**

Public Comment: <http://www.healthwatchusa.org/HWUSA-Initiatives/PDF-Downloads/20190102-SubmissionReceipt-Comment1&2.pdf>

Need for Comprehensive & Stronger Standards to Control Dangerous Pathogens



Jan 2019: Of particular concern are nursing homes, where the reported risk of carriage of resistant bacteria is alarming, well over 50%. And carriage in both the patient and the environment can last for months. The 2019 CDC Threat Assessment lists *Candida auris* and CRE as an urgent threat and MRSA as a severe threat. A slide from this morning's Threat Assessment presentation stated *Candida auris* and CRE need to be contained through an "aggressive approach." **However, the current "enhanced barrier precautions" for nursing homes have lowered the standards of control for these three dangerous organisms.**

I feel it is of utmost importance that we have an informed public and patients. And that we protect our healthcare workers. Finally, if we are unable or unwilling to allocate the resources to stop this epidemic, we need to at least provide informed consent to patients regarding the risks of these infections and carrier rates within facilities.

Public Comment: http://www.healthwatchusa.org/HWUSA-Presentations-Community/PDF-Downloads/20191114-Public_Comment_Kavanagh-2.pdf

Kavanagh Public Comment CDC HICPAC Nov. 14, 2019. <https://youtu.be/Gijk606uY9E>

Need for Comprehensive & Stronger Standards to Control Dangerous Pathogens



March 18, 2020

Presidential Powers and Response to COVID-19

Lawrence O. Gostin, JD¹; James G. Hodge Jr, JD, LLM²; Lindsay F. Wiley, JD, MPH³

» [Author Affiliations](#) | [Article Information](#)

JAMA. 2020;323(16):1547-1548. doi:10.1001/jama.2020.4335

“The Public Health Service Act and CDC regulations permit the federal government to take additional actions deemed reasonably necessary to prevent interstate spread of communicable diseases if state and local responses are inadequate, but the extent of this authority has not been tested.” <https://jamanetwork.com/journals/jama/fullarticle/2763423>

Need for Comprehensive & Stronger Standards to Control Dangerous Pathogens



Business

CDC directs halt to renter evictions to prevent virus spread

The Washington Post

Democracy Dies in Darkness

“Senior administration officials explained that the director of the CDC has broad authority to take actions deemed reasonably necessary to prevent the spread of a communicable disease.”

https://www.washingtonpost.com/business/cdc-directs-halt-to-renter-evictions-to-prevent-virus-spread/2020/09/01/78b11392-eca7-11ea-bd08-1b10132b458f_story.html

False Information: No One Could Have Predicted This Would Happen



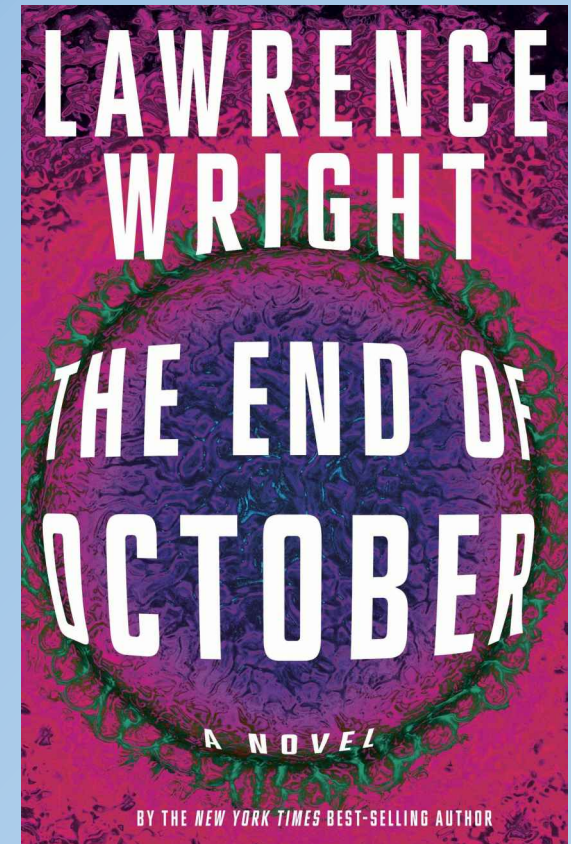
We knew this was coming. We had so many near misses

- ❖ Ebola
- ❖ SARS
- ❖ MEARS

“An eerily prescient novel about a devastating virus that begins in Asia before going global . . . A page-turner that has the earmarks of an instant bestseller.”

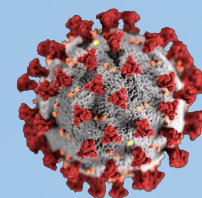
—*New York Post*

“A compelling read up to the last sentence. Wright has come up with a story worthy of Michael Crichton. In an eerily calm, matter-of-fact way, and backed by meticulous research, he imagines what the world would actually be like in the grip of a devastating new virus.” —**Richard Preston, author of *The Hot Zone***



Published; April 28, 2020

False Information: No One Could Have Predicted This Would Happen



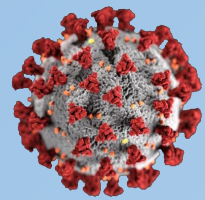
The New York Times

**Journalism is essential.
The truth is essential.**

Before Virus Outbreak, a Cascade of Warnings Went Unheeded

The Oct. 2019 draft report of Crimson Contagion was, (NYT) “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.”

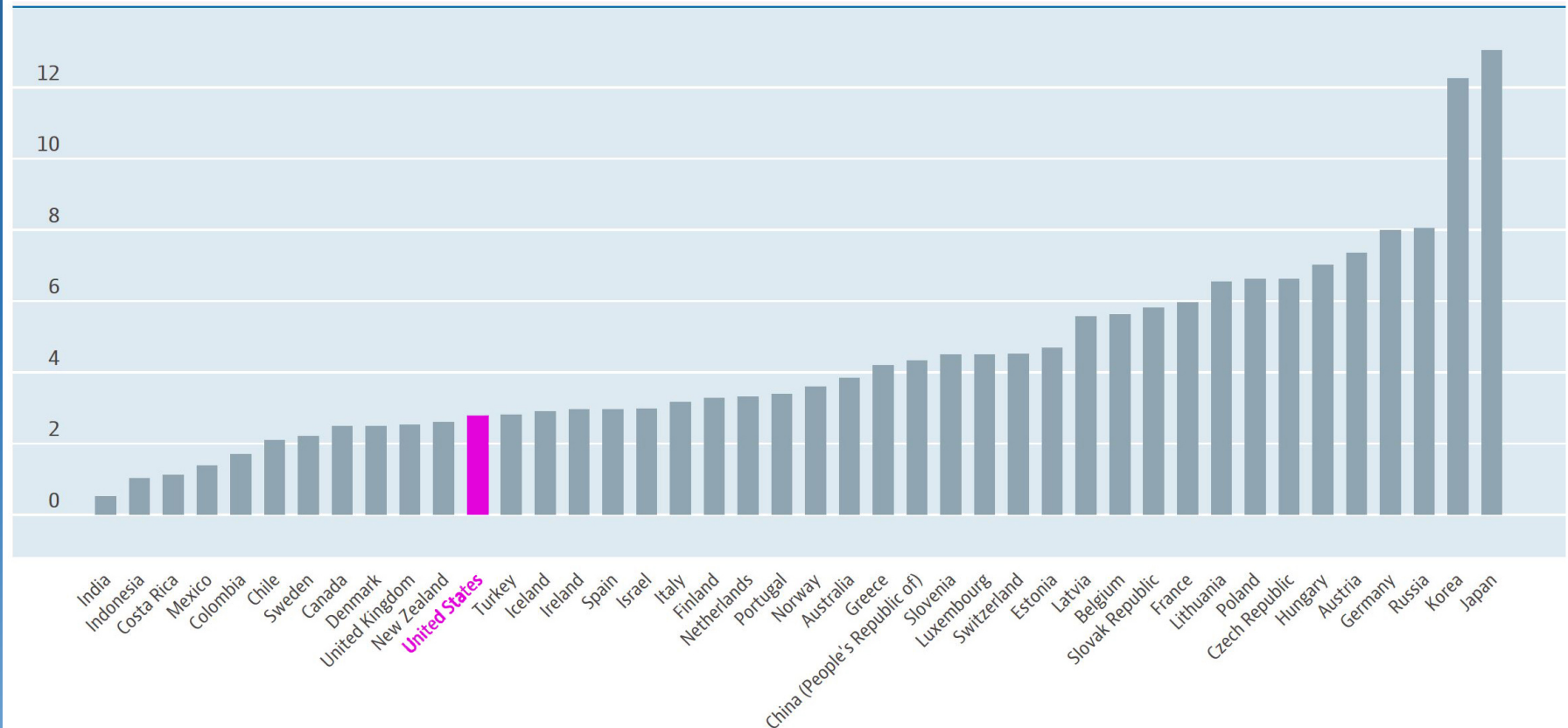
Degraded Infectious Disease Infrastructure



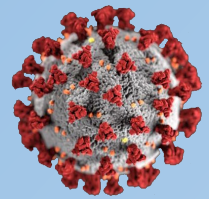
Hospital beds

Total, Per 1 000 inhabitants, 2018 or latest available

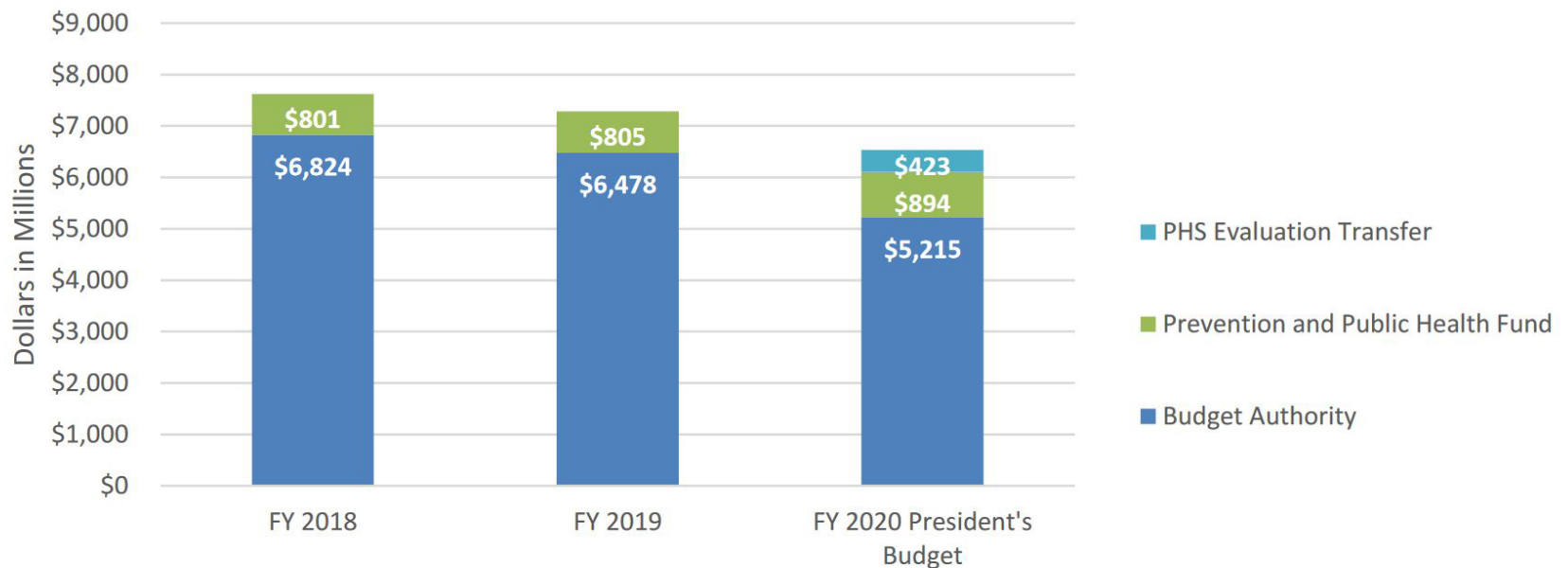
Source: OECD Health Statistics: Health care resources



Degraded Infectious Disease Infrastructure

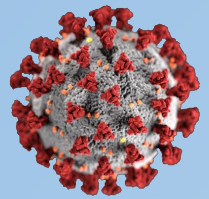


Centers for Disease Control and Prevention Funding History



Source: CDC, <https://www.cdc.gov/budget/index.html>

Degraded Infectious Disease Infrastructure



Exclusive: U.S. slashed CDC staff inside China prior to coronavirus outbreak

The CDC's China headcount has shrunk to around 14 staffers, down from approximately 47 people since President Donald Trump took office in January 2017, the documents show. The four people, who spoke on condition of anonymity, said the losses included epidemiologists and other health professionals.

Taylor M. March 2020, Exclusive: U.S. slashed CDC staff inside China prior to coronavirus outbreak. Reuters
<https://www.reuters.com/article/us-health-coronavirus-china-cdc-exclusiv/exclusive-u-s-slashed-cdc-staff-inside-china-prior-to-coronavirus-outbreak-idUSKBN21C3N5>

Conflicting Information Hampered Response



World Health Organization (WHO) ✓

@WHO



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](#) 🇨🇳.

CORONAVIRUS
(2019-nCoV)



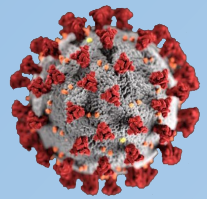
World Health Organization

♡ 22.8K 7:18 AM - Jan 14, 2020



Givas N. WHO haunted by January tweet saying China found no human transmission of coronavirus. March 18, 2020. Fox News. <https://www.foxnews.com/world/world-health-organization-january-tweet-china-human-transmission-coronavirus>

Conflicting Information Hampered Response



From: Dr. Robert R. Redfield (CDC)
Sent: Tuesday, January 28, 2020 1:57:24 PM (UTC+00:00) Monrovia, Reykjavik
To: Dr. Robert R. Redfield (CDC)
Subject: 2019 Novel Coronavirus Outbreak Update

Dear Colleagues,

In my last staff update, I shared that CDC has activated its Emergency Operations Center (EOC) in response to the ongoing 2019 novel coronavirus outbreak (2019-nCoV), which originated in Wuhan, China. CDC, along with the US Department of Health and Human Services, has been actively monitoring the situation for several weeks and is working with the World Health Organization, state and local public health partners and clinicians to respond to this emerging public health threat.

Chinese authorities identified the new coronavirus that resulted in human infections and person-to-person spread in China, and travel-associated coronavirus infections in a growing number of other countries, including five confirmed cases in four US states as of January 28, 2020.

The discovery and outbreak of a new virus among people is always of great public health concern. While we believe the 2019-nCoV poses a very serious public health threat, the virus is not spreading in the U.S. at this time and CDC believes the immediate health risk from 2019-nCoV to the general American public is low. We do expect to find more cases of novel coronavirus in the United States associated with this outbreak and it's likely there will be some person-to-person spread with this virus. CDC's goal is to assure an effective response to this emerging infectious disease, and we expect this will require our concerted effort in partnership with state and local public health officials, the clinical community, and international partners.

Chen C, Allen M, Churchill L. Internal Emails Show How Chaos at the CDC Slowed the Early Response to Coronavirus. Propublica. March 26, 2020. <https://www.propublica.org/article/internal-emails-show-how-chaos-at-the-cdc-slowed-the-early-response-to-coronavirus>

Conflicting Information Hampered Response



Should the White House Order a Travel Ban to Combat a Potential Coronavirus Pandemic?

White House Office of Trade and Manufacturing Policy
1.29.20

This historical precedent alone should be sufficient to prove the need to take aggressive action to contain the outbreak. However, current estimates suggest that risk may be even higher. The risk of a severe pandemic rises exponentially with the R_0 value of any disease, which measures how many new people each infected person spreads the disease to, on average. China is reporting a possible coronavirus R_0 of 3 to 5 – which is roughly twice as high as the Swine Flu (1.5) and Spanish Flu (2.2), and in the range of the Bubonic Plague (3.5) and Polio (3.5).

In January 29, 2020, Peter Navarro was reported to have warned the White House that the Coronavirus was possibly infectious as the Bubonic Plague or Polio.

Source: Axios: Swan J, Talev M. Navarro memos warning of mass coronavirus death circulated in January.

<https://www.axios.com/exclusive-navarro-deaths-coronavirus-memos-january-da3f08fb-dce1-4f69-89b5-ea048f8382a9.html>

COVID-19: Travel Bans



STAT

Jan 31, 2020

HEALTH

Health experts warn China travel ban will hinder coronavirus response

Public health experts have warned that travel bans are not effective at stemming the spread of a virus and can make responding to an outbreak more challenging.

“From a public health perspective, there is limited effectiveness. And then there are a host of other reasons why they can actually be counterproductive,” said Catherine Worsnop, who studies international cooperation during global health emergencies at the University of Maryland.

<https://www.statnews.com/2020/01/31/as-far-right-calls-for-china-travel-ban-health-experts-warn-coronavirus-response-would-suffer/>

CNN

World

Taiwan's coronavirus response is among the best globally

Among those early decisive measures was the decision to ban travel from many parts of China, stop cruise ships docking at the island's ports, and introduce strict punishments for anyone found breaching home quarantine orders.

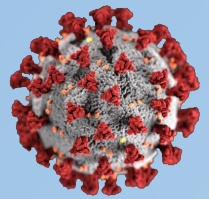
<https://www.cnn.com/2020/04/04/asia/taiwan-coronavirus-response-who-intl-hnk/index.html>

COVID-19: Travel Bans



- Most Public Health Experts Agree the Initial Travel Ban Was Beneficial in Buying The United States Some Time to Gear Up For This Epidemic.
- However, the Virus then entered the United States from Europe.
- Many feel the time bought in February was Squandered.

COVID-19: Woodward Trump Tapes



➤ Feb. 7, 2020

“It goes through air Bob. That is always tougher than the touch... The air you just breath the air and that is how its passed. It is also more deadly than ... even your strenuous flus.”

“... This is more deadly, this is five percent versus one percent and less than 1%.” “This is deadly stuff”

➤ Mar. 19, 2020

“Now it is turning out it is not just old people, Today and yesterday some startling facts came out plenty of young people...”

“To be honest with you I wanted always to play it down, I still like playing it down because I do not want to cause a panic.”

Surgeon General – Do Not Wear a Mask



U.S. Surgeon General  @Surgeon_General · Feb 29

Seriously people- STOP BUYING MASKS!

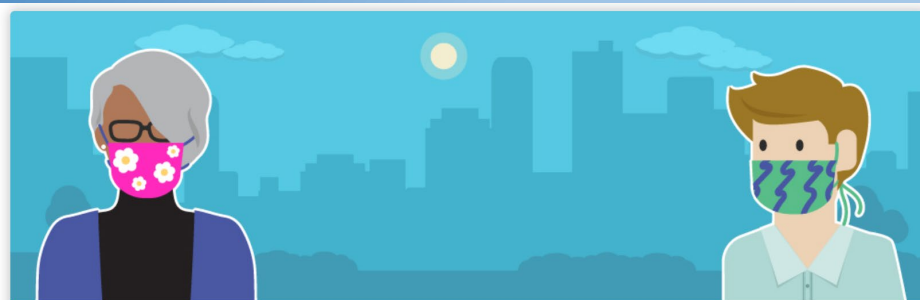
They are NOT effective in preventing general public from catching #Coronavirus, but if healthcare providers can't get them to care for sick patients, it puts them and our communities at risk!

bit.ly/37Ay6Cm



Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™

April 3, 2020



Your cloth face covering may protect them. Their cloth face covering may protect you.

<https://www.nbcnews.com/news/us-news/u-s-expected-recommend-masks-americans-coronavirus-hotspots-n1175596>

COVID-19: CDC Warning Unheeded



Centers for Disease
Control and Prevention

Transcript for the CDC Telebriefing Update on COVID-19

Press Briefing Transcript

Wednesday, February 26, 2020

I understand this whole situation may seem overwhelming and that disruption to everyday life may be severe. But these are things that people need to start thinking about now. I had a conversation with my family over breakfast this morning and I told my children that while I didn't think that they were at risk right now, we as a family need to be preparing for significant disruption of our lives. You should ask your children's school about their plans for school dismissals or school closures. If ask if there are plans for teleschool.

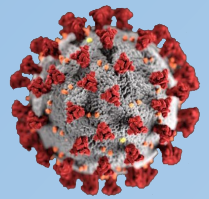
<https://www.cdc.gov/media/releases/2020/t0225-cdc-telebriefing-covid-19.html>

STAT

**CDC expects 'community spread' of
coronavirus, as top official warns
disruptions could be 'severe'**

<https://www.statnews.com/2020/02/25/cdc-expects-community-spread-of-coronavirus-as-top-official-warns-disruptions-could-be-severe/>

Failure in Testing Development



The Washington Post
Democracy Dies in Darkness

Investigations

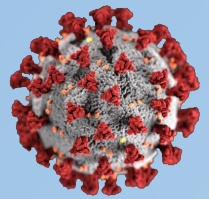
Contamination at CDC lab delayed rollout of coronavirus tests

“As of March 23, more than 90 state and local public health labs in 50 states, the District of Columbia, Guam, and Puerto Rico verified they are successfully using [the] diagnostic kits,” Haynes said in the statement.

Shortcomings with the tests were first noticed in late January, after the CDC sent an initial batch to 26 public health labs across the country. According to those with knowledge of what unfolded, false-positive reactions emerged at 24 of the 26 labs that first tried out the kits in advance of analyzing samples gathered from patients.

Williams D. Contamination at CDC lab delayed rollout of coronavirus tests. Washington Post. April 18, 2020.
https://www.washingtonpost.com/investigations/contamination-at-cdc-lab-delayed-rollout-of-coronavirus-tests/2020/04/18/fd7d3824-7139-11ea-aa80-c2470c6b2034_story.html

COVID-19: CDC Sidelined



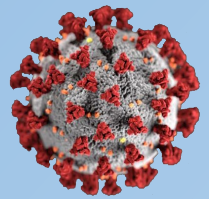
STAT

A CDC veteran asks: Why is the agency 'sitting on the sidelines' in the fight against Covid-19?

By PIERRE E. ROLLIN
MARCH 26, 2020

<https://www.statnews.com/2020/03/26/cdc-veteran-asks-why-is-cdc-sitting-on-the-sidelines-covid-19-fight/>

Failure in Testing Development



POLITICO

HEALTH CARE

U.S. still falling short on accurate testing, FDA chief says

Dr. Stephen Hahn says more tests are needed and that antibody tests need “to be valid and accurate and reliable.”

<https://www.politico.com/news/2020/04/12/coronavirus-tests-fda-hahn-trump-180786>

Forbes

BREAKING | 101,070 views | May 26, 2020, 07:14pm EDT

CDC Says Possibly 'Less Than Half' Of Positive Antibody Tests Are Correct

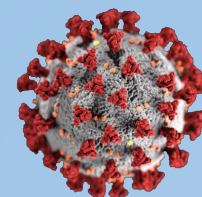


Tommy Beer Forbes Staff
Business

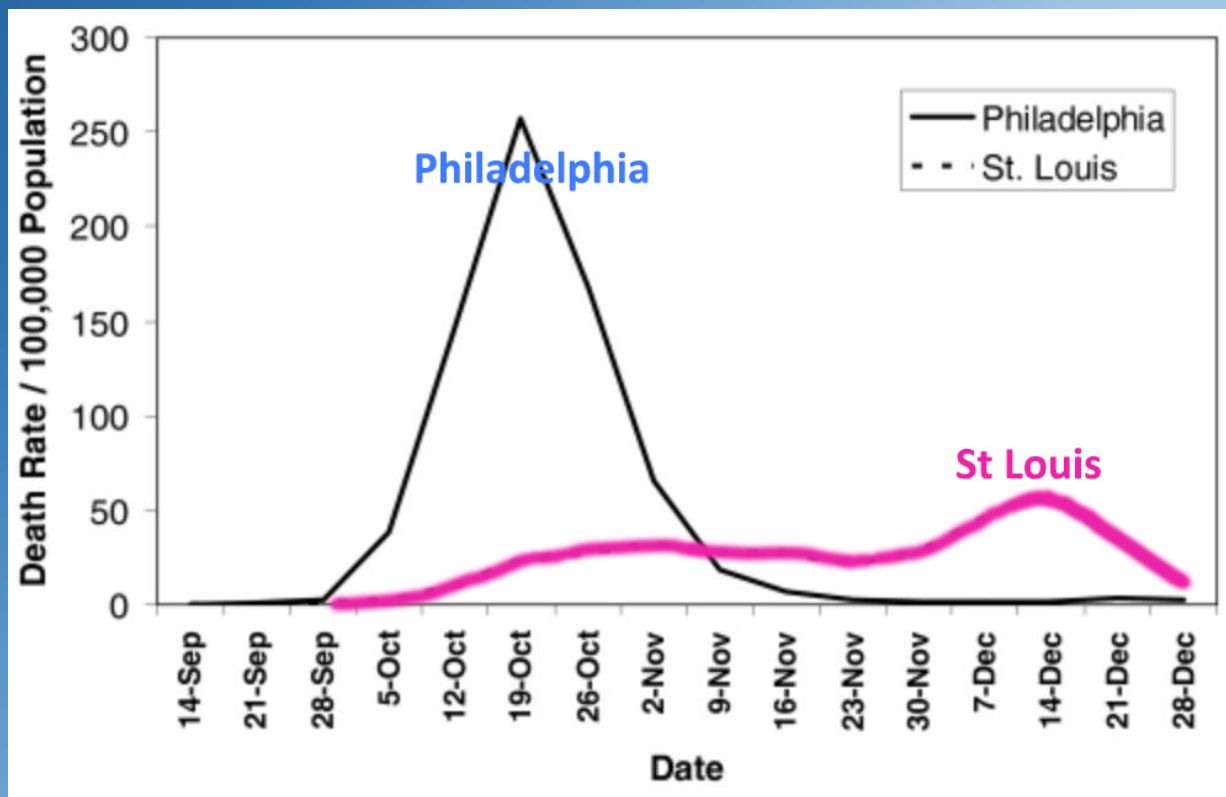
Updated May 26, 2020, 07:56pm EDT

<https://www.forbes.com/sites/tommybeer/2020/05/26/cdc-says-possibly-less-than-half-of-positive-antibody-tests-are-correct/#5112d8d2391b>

The United States Now Has 100s of Tests with very specific reagents and supply chains, making support strategically difficult at best.



False Information – Social Distancing, Stay at Home Orders & Masks are Not Needed



“...cities in which multiple interventions were implemented at an early phase of the epidemic had peak death rates approximately 50% lower than those that did not and had less-steep epidemic curves.” Interventions included closure of schools, churches, and theaters.

Hackett JR, et al. Proc Natl Acad Sci USA. 2007 May 1;104(18):7582-7.

<https://pubmed.ncbi.nlm.nih.gov/17416679/>

False Information – Masks Do Not Help & Only Advocated by Left Wing Zealots



The Atlantic

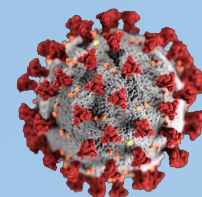
In mid-April Far Right Protestors Banishing Semi-Automatic Weapons in Democratic-governed states demanding democratic reopening. President Trump tweeted his support. “LIBERATE MINNESOTA!” “LIBERATE MICHIGAN!” “LIBERATE VIRGINIA, and save your great 2nd Amendment. It is under siege!”

Fox News, Sean Hannity March 9, “They’re scaring the living hell out of people. And I see them again as like, ‘Oh, okay, let’s bludgeon Trump with this new hoax.’” In mid-March, the network changed its editorial narrative to take the virus seriously.

<https://www.theatlantic.com/ideas/archive/2020/06/this-is-trumps-plague-now/613633/>

There was a push for early reopening, without the use of masks.

False Information – Social Distancing, Stay at Home Orders & Masks are Not Needed



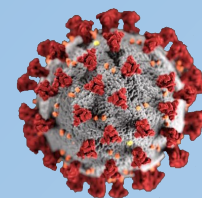
Researchers: Nearly Half Of Accounts Tweeting About Coronavirus Are Likely Bots

"We do know that it looks like it's a propaganda machine, and it definitely matches the Russian and Chinese playbooks, but it would take a tremendous amount of resources to substantiate that," said Kathleen Carley, a professor of computer science at Carnegie Mellon University who is

Allyn B. Researchers: Nearly Half of Accounts Tweeting About Coronavirus are Likely Bots. NPR. May 20, 2020.

<https://www.npr.org/sections/coronavirus-live-updates/2020/05/20/859814085/researchers-nearly-half-of-accounts-tweeting-about-coronavirus-are-likely-bots>

False Information – Social Distancing, Stay at Home Orders & Masks are Not Needed

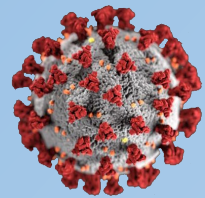


Russia deploying coronavirus disinformation to sow panic in West, EU document says

The EU document said the Russian campaign, pushing fake news online in English, Spanish, Italian, German and French, uses contradictory, confusing and malicious reports to make it harder for the EU to communicate its response to the pandemic.

Emmott R. Researchers: Russia deploying coronavirus disinformation to sow panic in West, EU document says. Reuters. March 18, 2020. <https://www.reuters.com/article/us-health-coronavirus-disinformation/russia-deploying-coronavirus-disinformation-to-sow-panic-in-west-eu-document-says-idUSKBN21518F>

False Information – Social Distancing, Stay at Home Orders & Masks are Not Needed



FALSE CORONAVIRUS INFORMATION ON SOCIAL MEDIA

- False claims that the Bill & Melinda Gates Foundation created and released the virus.
- Fake news stories claiming Pope Francis tested positive for coronavirus
- Doctored Facebook post of Mike Pence telling people to go to the police if infected
- Articles claiming without evidence that coronavirus is a Chinese bioweapon

#INSIDEPOLITICS

MISINFORMATION SPREADS ONLINE AMID CORONAVIRUS FEARS

LIVE

CNN

DOW ▼ -1,658.24

IL MARKETS YESTERDAY BY LAUNCHING A PRICE WAR AIMED AT RETAKING | **INSIDE POLITICS**

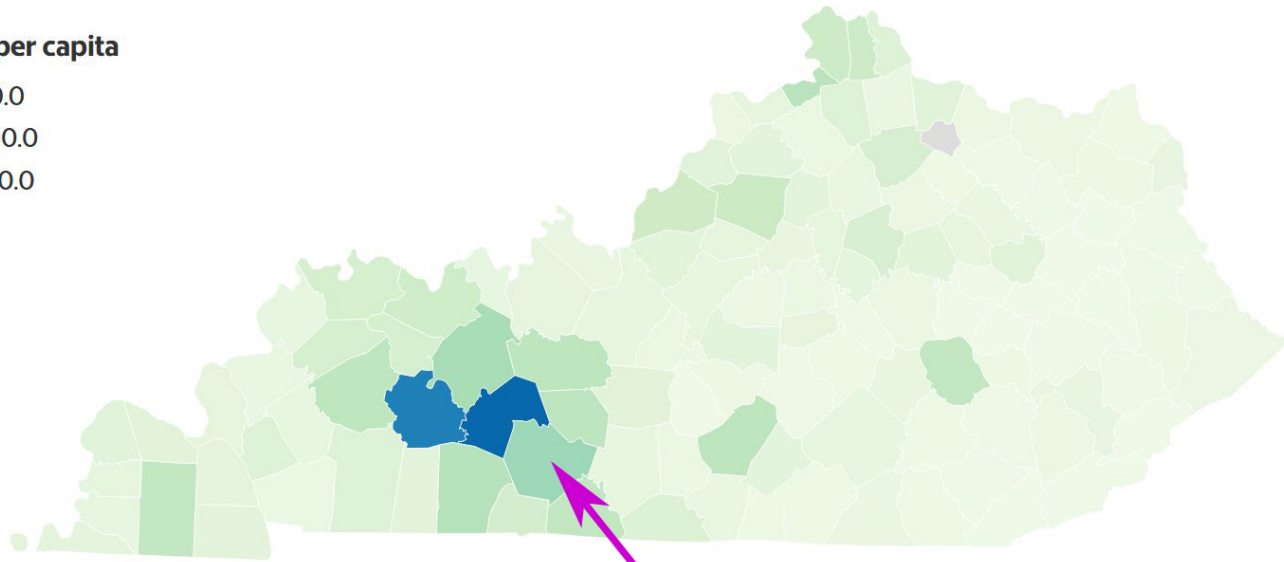
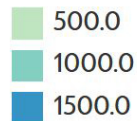
False Information – COVID-19 Just Affects Large Cities Such as New York and Not Rural Areas



KENTUCKY COVID-19 CASE RATE

There are at least 10,315 cases of COVID-19 Kentucky. Here are the total reported cases per 100,000 people. LAST UPDATE: June 2, 2020

Cases per capita



Rate is calculated by 100,000 people

Map: Daniel Desrochers • Source: Gov. Andy Beshear • [Get the data](#)

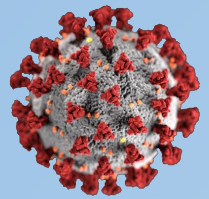
Warren

Cases: 1,063

Case Rate: 799.9

From Lexington Herald Leader

Mixed Messaging – You Can Wear A Mask if You Want



POLITICS

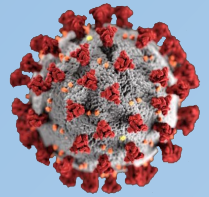
As Trump touts increased production, coronavirus swabs made during his Maine factory tour will be tossed in the trash

John Fritze and Michael Collins USA TODAY

Published 5:06 p.m. ET Jun. 5, 2020 | Updated 5:31 p.m. ET Jun. 5, 2020

Workers in white lab coats, hair nets and plastic booties worked at machines making swabs while the president walked through the room. Trump, who did not wear a mask for the visit, stopped at one point to talk with some of the workers.

False Information – Masks Do Not Help & Only Advocated by Left Wing Zealots



What Republican Governors & Leaders Are Saying About the Public Wearing Masks

THE BALTIMORE SUN

Gov. Hogan mandates masks in stores, on transit; warns against quick end to measures to contain the coronavirus



CNN politics

Ohio Republican governor says wearing a mask is 'about loving your fellow human being'



TIME

North Dakota Governor Chokes Up as He Calls on State Residents to Avoid 'Mask Shaming'



COMMUNITY
IMPACT
NEWSPAPER
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Gov. Doug Ducey: 'Every Arizonan should wear a face mask;' gives local governments ability to implement face mask policies



abc 7 ON YOUR SIDE

Arkansas governor: Customers refusing to follow mask rules are 'very selfish'

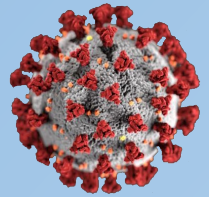


Boston Herald

Coronavirus in Massachusetts: Charlie Baker's mandatory face mask order could be met with frustrations



False Information – Masks Do Not Help & Only Advocated by Left Wing Zealots



Senator McConnell: "we must have no stigma, none, about wearing masks when we leave our homes and come near other people." "Wearing simple face coverings is not about protecting ourselves, it is about protecting everyone we encounter."

https://www.cnn.com/world/live-news/coronavirus-pandemic-06-29-20-intl/h_549ee9ec74ba21bfde5da813b91573f8



Vice-President Pence: "Vice President Pence on Sunday implored Americans to wear face masks, practice social distancing and stay away from senior citizens to protect ..."

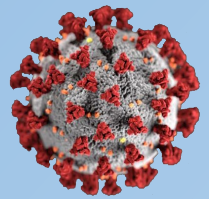
https://www.washingtonpost.com/politics/as-us-soars-past-25-million-coronavirus-cases-pence-urges-americans-to-wear-masks-social-distance/2020/06/28/c0006248-b962-11ea-bdaf-a129f921026f_story.html

Right Wing Media Encouraging The Wearing of Masks



**Senator Rand Paul has a worn a mask
when leaving the White House.**

Mixed Messaging – You Can Wear A Mask if You Want



The Washington Post

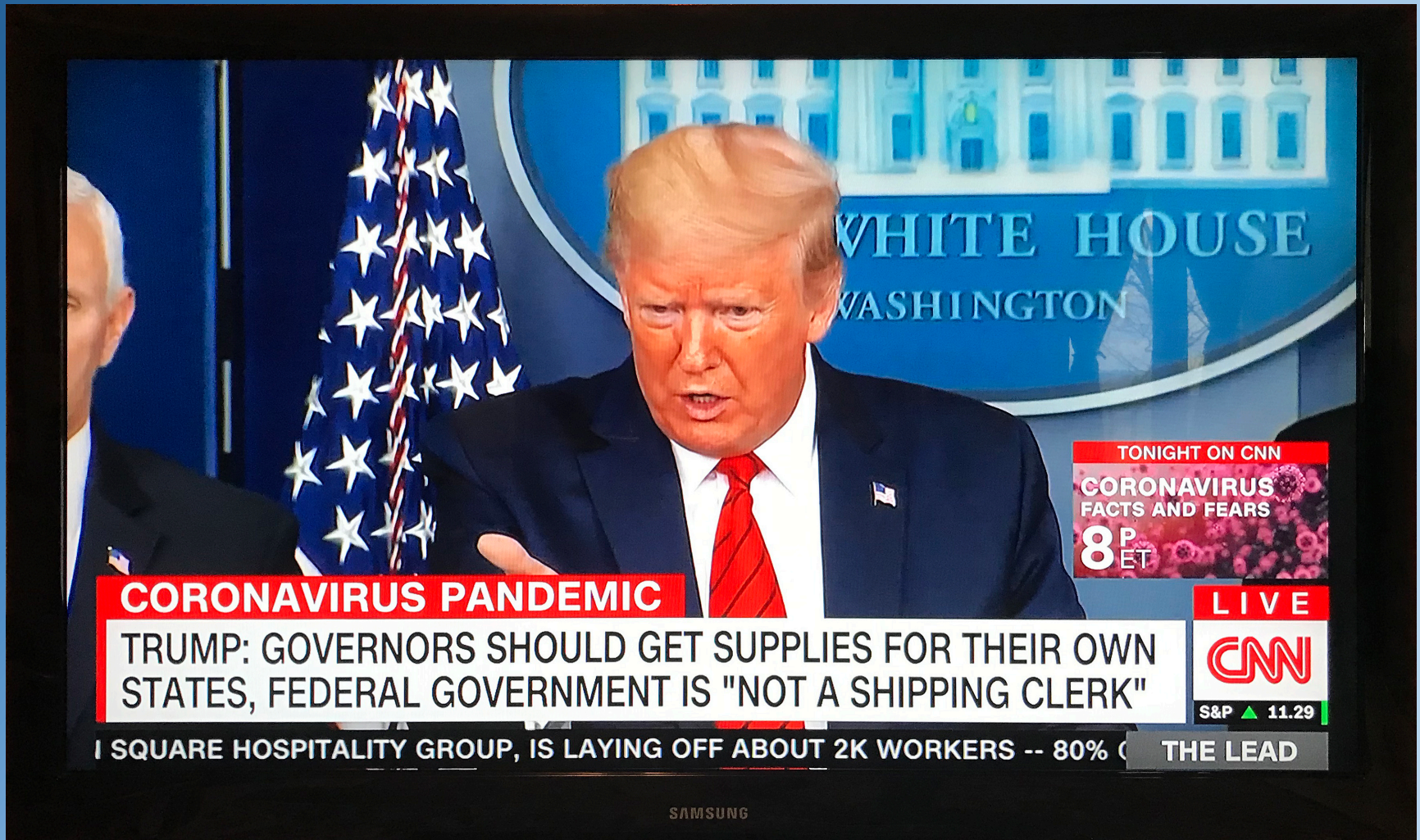
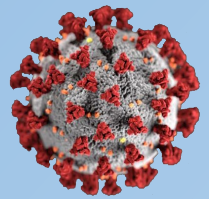
Democracy Dies in Darkness

CDC urges organizers of large gatherings to “strongly encourage” use of face masks

A similar recommendation to use cloth face coverings in settings that involve shouting, chanting, or singing, including choirs, was removed from the agency’s [guidance for reopening houses of worship](#) two weeks ago after weeks of debate between the White House and the CDC.

<https://www.washingtonpost.com/health/2020/06/12/cdc-masks-protests-rallies/>

Lack of Federal Coordination of Supply Chain and Personal Protective Equipment



Lack of Federal Coordination of Supply Chain and Personal Protective Equipment



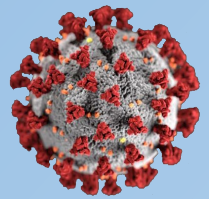
Los Angeles Times

Hospitals say feds are seizing masks and other coronavirus supplies without a word

Hospital and clinic officials in seven states described the seizures in interviews over the past week. The Federal Emergency Management Agency is not publicly reporting the acquisitions, despite the outlay of millions of dollars of taxpayer money, nor has the administration detailed how it decides which supplies to seize and where to reroute them.

Levey NN. Hospitals say feds are seizing masks and other coronavirus supplies without a word Los Angeles Times. April 7, 2020. <https://www.latimes.com/politics/story/2020-04-07/hospitals-washington-seize-coronavirus-supplies>

Lack of Federal Coordination of Supply Chain and Personal Protective Equipment



DAILY KOS

Feds Confiscated 3,000,000 Masks Ordered by State of MA @ The Port of NY.

As many of us have read, Robert Kraft, owner of the New England Patriots, sent his own plane to China to pick up 1.3 million masks. He also paid \$2,000,000 for half the cost of the masks he had flown in on his plane.

Feds confiscated the N95 masks intended for doctors, nurses, and first responders when they arrived at the Port of NY.

DannyB. Feds Confiscated 3,000,000 Masks Ordered by State of MA @ The Port of NY. Daily Kos. April 4, 2020.
<https://www.dailykos.com/stories/2020/4/4/1934221/-Someone-Seized-3-000-000-Masks-From-Massachusetts-At-The-Port-in-NYC>

Lack of Federal Coordination of Supply Chain and Personal Protective Equipment



THE
HILL

Maryland governor says coronavirus tests acquired from South Korea under guard at undisclosed location

BY ZACK BUDRYK AND J. EDWARD MORENO - 04/30/20 03:22 PM EDT

395 COMMENTS



Washington Post Live
@postlive



Maryland [@GovLarryHogan](#) on whether he was concerned that the federal government would seize the tests the state procured from South Korea. He says the tests are being guarded by the National Guard at an undisclosed location.

youtu.be/PjkMyHbyhro

The Washington Post | LIVE

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11.3K 11:15 AM - Apr 30, 2020



COVID-19: USA Falls Behind Other Countries



COVID-19 Experience in US and South Korea

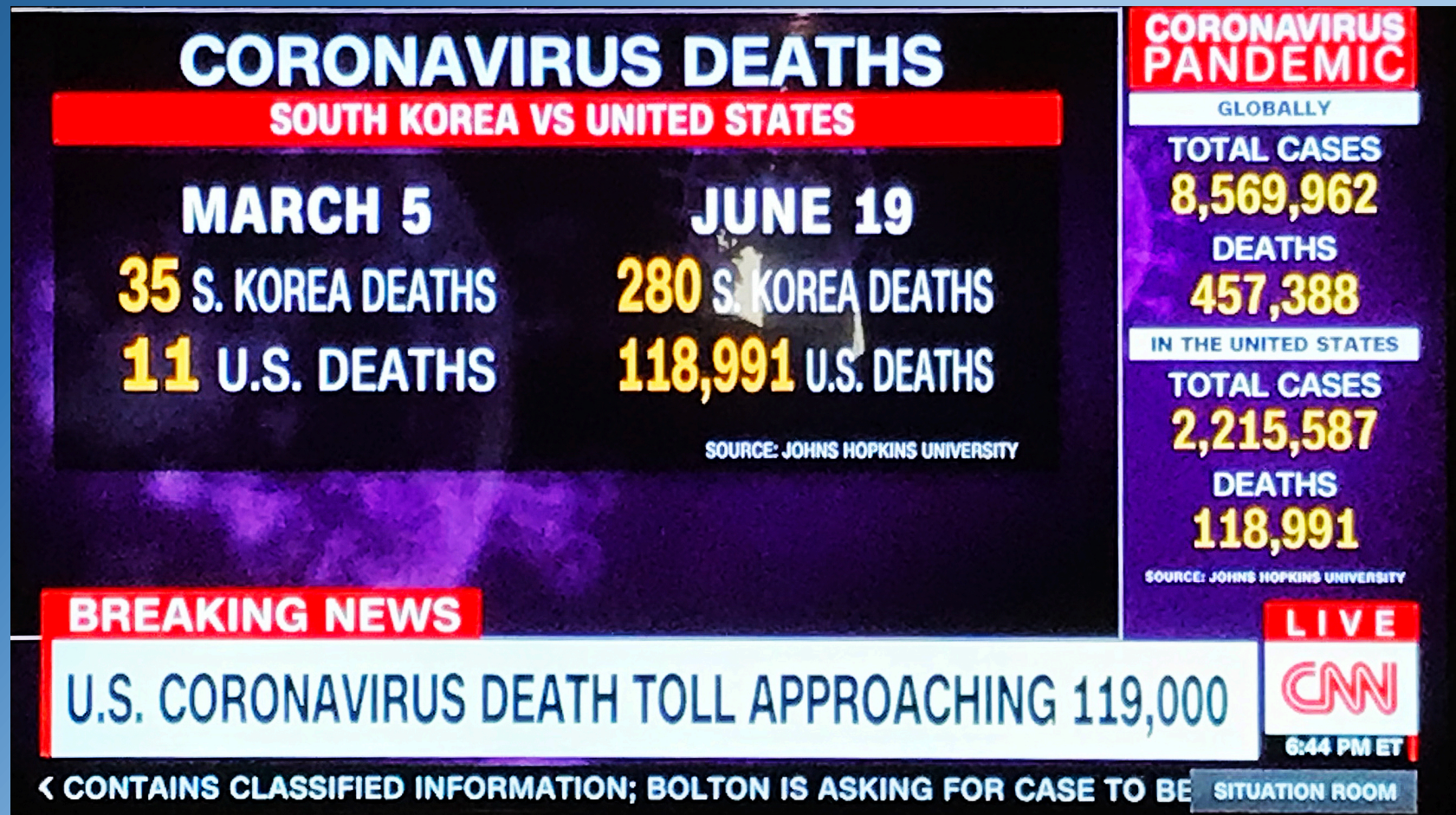
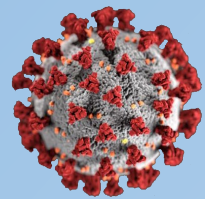
	January 21	March 3	May 11
	1st confirmed case 3.6% unemployed	9 deaths 4.4% unemployed	81,285 deaths 14.7% unemployed
	1st confirmed case 4% unemployed	28 deaths 3.8% unemployed	256 deaths 4% unemployed

Key Factors in COVID-19 Response:

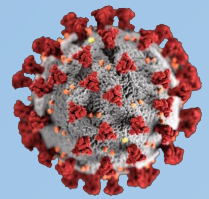
- Testing
- Contact Tracing
- Social Distancing
- Healthcare Systems

Data Source -- Worldometers.info, Dorea Centers for Disease Control and Prevention, Trading Economics South Korea Unemployment Rate

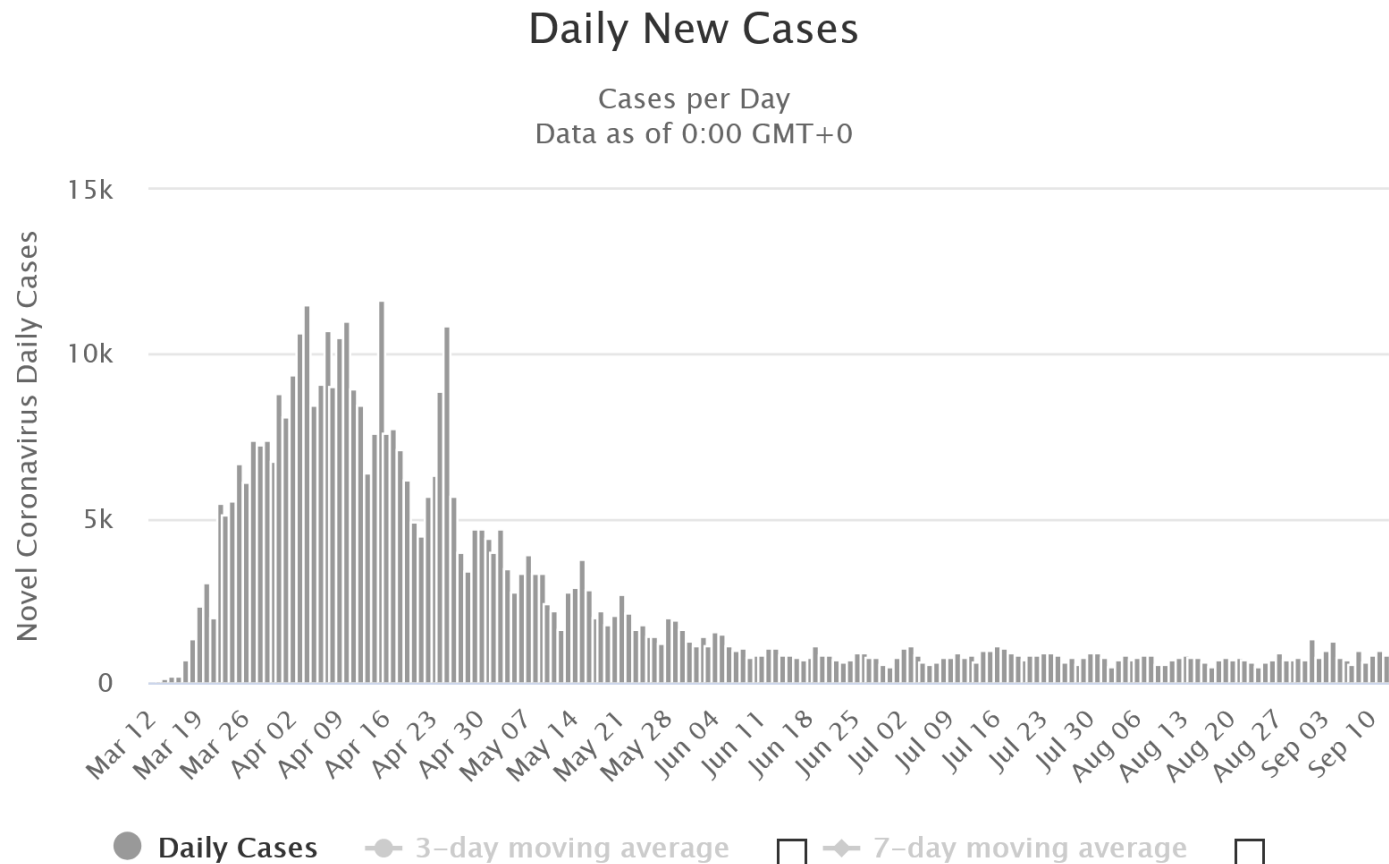
COVID-19: USA Falls Behind Other Countries



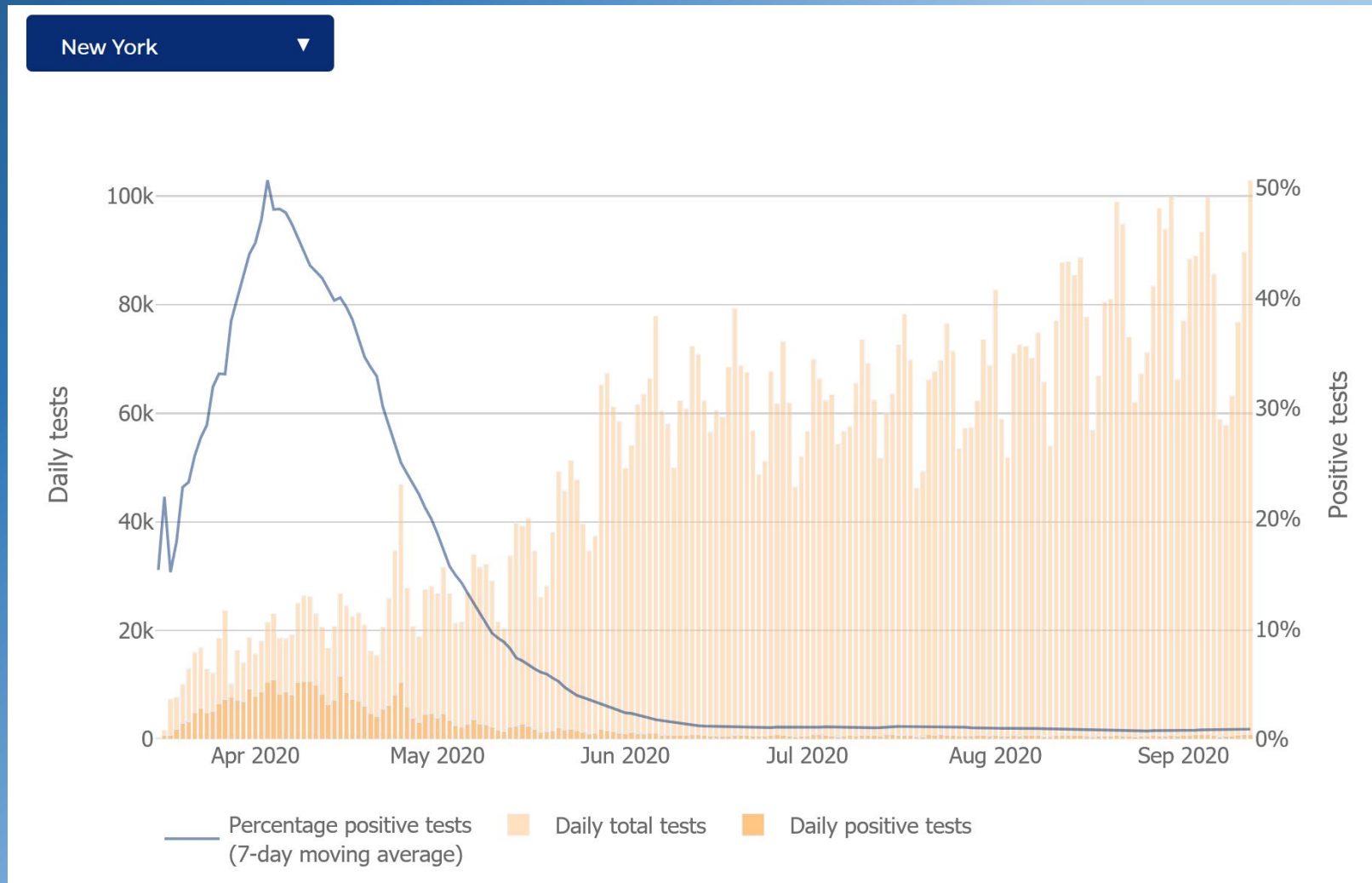
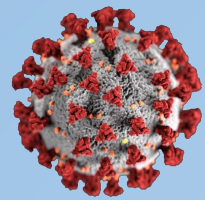
COVID-19: New York City



Daily New Cases in New York



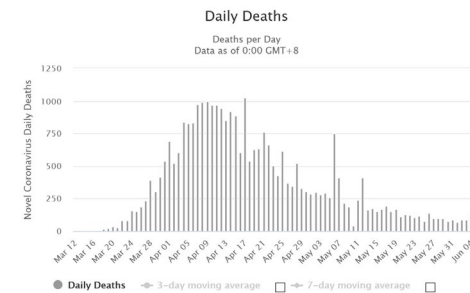
COVID-19: New York City



COVID-19: New York City



Daily New Deaths in New York



Governor Cuomo: Mandated that our disjointed healthcare system work together.

- Share Staff
- Share Supplies
- Share Ventilators
- Some Facilities were COVID-19 Facilities



Cuomo: Hospitals cannot discharge COVID-19 patients to nursing homes

Nursing home staffers will be tested for virus twice a week



Cayla Harris

May 10, 2020 | Updated: May 10, 2020 6:57 p.m.

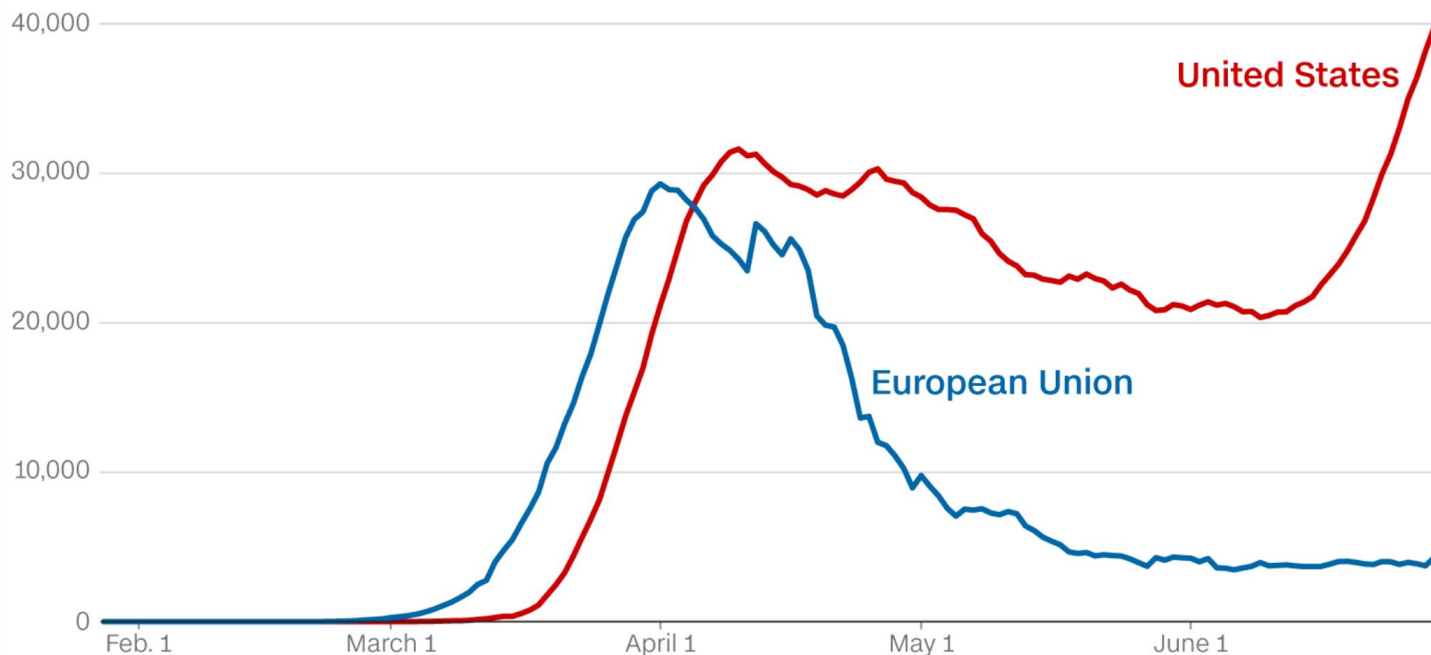
<https://www.timesunion.com/news/article/Cuomo-Hospitals-cannot-discharge-COVID-19-15259931.php>

The Result - End of June



New coronavirus cases in the US vs. the EU

Soaring daily reported cases in the US and low EU numbers show why Americans are facing a European travel ban.



Note: Data based on rolling, seven-day averages

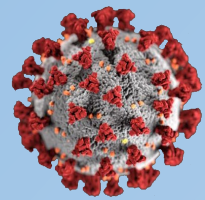


Last updated: June 30, 2020 at 2:30 a.m. ET
Source: Johns Hopkins University Center for Systems Science and Engineering
Graphic: Byron Manley and Henrik Pettersson, CNN

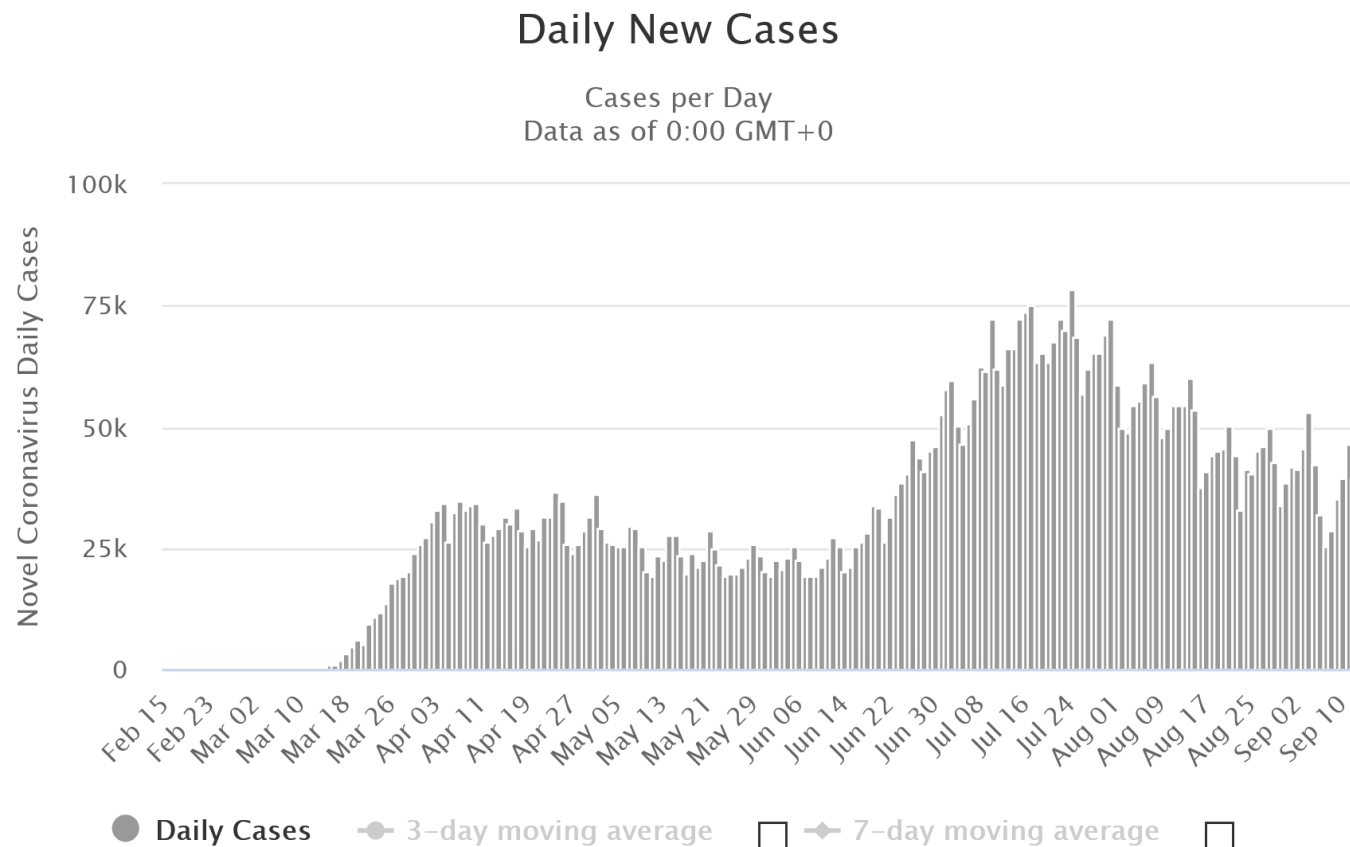
Reynolds E, McGee L, Frater J. One graphic explains why Americans are facing an EU travel ban. CNN. June 30, 2020.

<https://www.cnn.com/2020/06/30/europe/european-union-travel-us-graphic-intl/index.html>

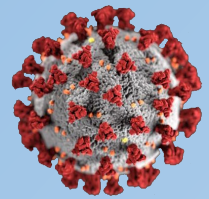
The Result – Middle of September



Daily New Cases in the United States



Tulsa Oklahoma Rally – June 20, 2020



https://www.washingtonpost.com/politics/trump-campaign-democrats-joust-over-tulsa-rally-turnout/2020/06/21/06ecb95e-b3c8-11ea-a510-55bf26485c93_story.html Photo by Jabin Botsford



<https://www.reuters.com/article/us-usa-election-trump/trump-slams-protests-defends-pandemic-response-as-tulsa-crowd-underwhelms-idUSKBN23R0G5> Photo by Leah Mills

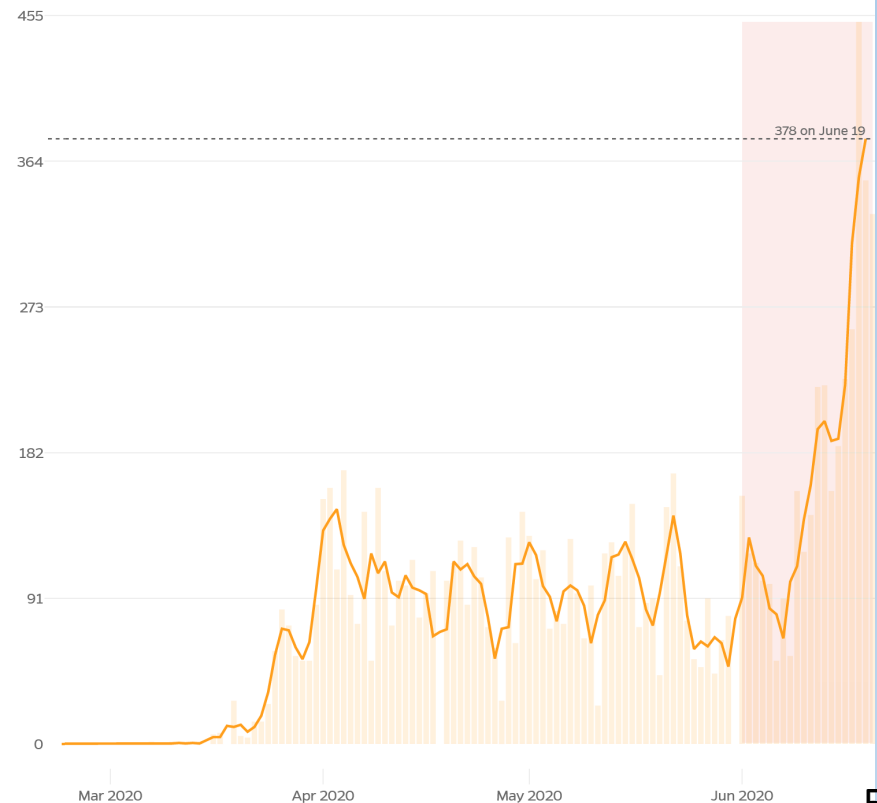
Daily confirmed new cases (3-day moving average)

Outbreak evolution for the 50 STATES, D.C. AND PUERTO RICO

This page was last updated on Sunday, June 21, 2020 at 3:00 AM EDT.

All States

Oklahoma



If We Do Not Change Our Direction Shortages of PPE & Masks



The Washington Post

Democracy Dies in Darkness

July 8, 2020 at 8:00 p.m. EDT

Health

America is running short on masks, gowns and gloves. Again.

Health-care workers are scrambling for supplies and reusing equipment as the coronavirus pandemic surges

<https://www.washingtonpost.com/health/2020/07/08/ppe-shortage-masks-gloves-gowns/>

Scarcity of key material squeezes medical mask manufacturing

By MARTHA MENDOZA, JULIET LINDERMAN, THOMAS PEIPERT and IRENA HWANG September 10, 2020

White House officials say U.S. hospitals have all the medical supplies needed to battle the deadly virus, but front-line health care workers, hospital officials and even the Food and Drug Administration say shortages persist. Critical shortfalls of medical N95 respirators, commonly referred to as N95 masks, and other protective gear started in March, when the pandemic hit New York. Pressure on the medical supply chain continues today, and in “many ways things have only gotten worse,” the American Medical Association’s president, Dr. Susan Bailey, said in a recent statement.



<https://apnews.com/02a0542e8a05176bd5d79757134bc277>

If We Do Not Change Our Direction Pressure on School Guidelines & MMWRs



Trump trashes CDC school-reopening guidelines -- then CDC updates them



By [Betsy Klein](#) and [Kevin Liptak](#), CNN

Updated 6:43 PM ET, Wed July 8, 2020



<https://www.cnn.com/2020/07/08/politics/trump-cdc-school-guidelines-funding/index.html>

Trump officials interfered with CDC reports on Covid-19

The politically appointed HHS spokesperson and his team demanded and received the right to review CDC's scientific reports to health professionals.

The CDC's [Morbidity and Mortality Weekly Reports](#) are authored by career scientists and serve as the main vehicle for the agency to inform doctors, researchers and the general public about how Covid-19 is spreading and who is at risk. Such reports have historically been published with little fanfare and no political interference, said several longtime health department officials, and have been viewed as a cornerstone of the nation's public health work for decades.

POLITICO

By **DAN DIAMOND**

09/11/2020 10:25 PM EDT

Updated: 09/12/2020 11:11 AM EDT

<https://www.politico.com/news/2020/09/11/exclusive-trump-officials-interfered-with-cdc-reports-on-covid-19-412809>

If We Do Not Change Our Direction Testing for Asymptomatic Carriers



The New York Times

C.D.C. Testing Guidance Was Published Against Scientists' Objections

A controversial guideline saying people without Covid-19 symptoms didn't need to get tested for the virus came from H.H.S. officials and skipped the C.D.C.'s scientific review process.

<https://www.nytimes.com/2020/09/17/health/coronavirus-testing-cdc.html>

“The current [guidelines on testing](#), posted on Aug. 24, said people without symptoms “do not necessarily need a test” even if they have been in close contact with an infected person for more than 15 minutes. Public health experts [roundly criticized the C.D.C.](#) for that stance, saying it would undermine efforts to contain the virus.”

If We Do Not Change Our Direction Testing for Asymptomatic Carriers



Annals of Internal Medicine®

“Asymptomatic persons seem to account for approximately 40% to 45% of SARS-CoV-2 infections, and they can transmit the virus to others for an extended period, perhaps longer than 14 days.”

<https://www.acpjournals.org/doi/10.7326/M20-3012>

AMA President Susan Bailey stated: “Suggesting that asymptomatic people don’t need testing is just a prescription for community spread and further disease and death,” <https://www.nytimes.com/2020/09/17/health/coronavirus-testing-cdc.html>

Vox

CDC reverses guidelines, telling people to get tested for Covid-19 even without symptoms

Previous guidance changes seemed to be politically motivated to favor Trump. The CDC just walked them back.

By German Lopez | @germanrlopez | german.lopez@vox.com | Sep 18, 2020, 3:57pm EDT

If We Do Not Change Our Direction Warnings Regarding Aerosolization



Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™

Posted on Sept 18, 2020

COVID-19 most commonly spreads

- Between people who are in close contact with one another (within about 6 feet).
- Through respiratory droplets or small particles, such as those in aerosols, produced when an infected person coughs, sneezes, sings, talks, or breathes.
 - These particles can be inhaled into the nose, mouth, airways, and lungs and cause infection. This is thought to be the main way the virus spreads.
 - Droplets can also land on surfaces and objects and be transferred by touch. A person may get COVID-19 by touching the surface or object that has the virus on it and then touching their own mouth, nose, or eyes. Spread from touching surfaces is not thought to be the main way the virus spreads.
- It is possible that COVID-19 may spread through the droplets and airborne particles that are formed when a person who has COVID-19 coughs, sneezes, sings, talks, or breathes. There is growing evidence that droplets and airborne particles can remain suspended in the air and be breathed in by others, and travel distances beyond 6 feet (for example, during choir practice, in restaurants, or in fitness classes). In general, indoor environments without good ventilation increase this risk.



WKU | npr

Withdrawn on Sept 21, 2020

CDC Publishes — Then Withdraws — Guidance On Aerosol Spread Of Coronavirus

September 21, 2020 · 4:08 PM ET

If We Do Not Change Our Direction Warnings Regarding Aerosolization



Centers for Disease Control and Prevention
CDC 24/7: Saving Lives, Protecting People™

Posted on Sept 18, 2020

- It is possible that COVID-19 may spread through the droplets and airborne particles that are formed when a person who has COVID-19 coughs, sneezes, sings, talks, or breathes. There is growing evidence that droplets and airborne particles can remain suspended in the air and be breathed in by others, and travel distances beyond 6 feet (for example, during choir practice, in restaurants, or in fitness classes). In general, indoor environments without good ventilation increase this risk.

- With an R_0 (R naught) of 5.7
https://wwwnc.cdc.gov/eid/article/26/7/20-0282_article
- Virion integrity for up to 16 hours in respirable-sized aerosols.
https://wwwnc.cdc.gov/eid/article/26/9/20-1806_article
- Rapid dissipation of the virus in an outdoor setting aerosolization is very likely.
-- Approximately 20 Times Safer Outdoors Than Indoors.
- This is also confirmed by a number of case reports and lab research.

If We Do Not Change Our Direction Warnings Regarding Aerosolization



Aerosolization Occurs When Small Viral Particles Linger in the Air.

These floating particles can travel further than 1 to 3 meters and can spread via air-conditioning. Particle sizes of 5 μm can travel up to 10 meters.

Observations of Concern:

<https://academic.oup.com/cid/article/doi/10.1093/cid/ciaa939/5867798>

1. High SARS-CoV-2 Attack Rate Following Exposure at a Choir Practice — Skagit County, Washington, March 2020

“Following a 2.5-hour choir practice attended by 61 persons, including a symptomatic index patient, 32 confirmed and 20 probable secondary COVID-19 cases occurred (attack rate = 53.3% to 86.7%); three patients were hospitalized, and two died.” <https://www.cdc.gov/mmwr/volumes/69/wr/mm6919e6.htm>

2. COVID-19 Outbreak Associated with Air Conditioning in Restaurant, Guangzhou, China, 2020

“The airflow direction was consistent with droplet transmission.” https://wwwnc.cdc.gov/eid/article/26/7/20-0764_article

3. Aerosol and Surface Distribution of Severe Acute Respiratory Syndrome Coronavirus 2 in Hospital Wards, Wuhan, China, 2020

“Virus was widely distributed on floors, computer mice, trash cans, and sickbed handrails and was detected in air ≈ 4 m from patients.” https://wwwnc.cdc.gov/eid/article/26/7/20-0885_article

4. Loud Talking Can Aerosolize Small Particles.

“... when the person said “stay healthy,” numerous droplets ranging from 20 to 500 μm were generated.” <https://www.nejm.org/doi/full/10.1056/NEJMc2007800>

An N-95 Mask Is Needed To Prevent Aerosolization and Spread of Particles < 5 μm

If We Do Not Change Our Direction Warnings Regarding Aerosolization



NEA News

School Ventilation Must Be Addressed in Reopening Plans

Coronavirus spreads most rapidly in poorly ventilated areas, highlighting the urgency behind the need to update or replace school HVAC systems.



Water damage from an HVAC leak in a Michigan school library.

neaToday

By: Cindy Long

Published: 08/20/2020

SHARE



COVID-19 Therapeutics

Five Treatments Have Been Utilized



A number of new medications have been approved by the FDA for the use in patients with COVID-19. These include:

1. Hydroxychloroquine
2. Convalescent Serum
3. Monoclonal Antibodies
4. Remdesvir
5. Anticoagulation
6. Dexamethasone

COVID-19 Therapeutics

Five Treatments Have Been Utilized



- ❖ Hydroxychloroquine was initially approved by the FDA for Emergency Use.
- ❖ On June 15, 2020, after mounting evidence of being ineffective the FDA withdrew its emergency authorization.
<https://www.fda.gov/news-events/press-announcements/coronavirus-covid-19-update-fda-revokes-emergency-use-authorization-chloroquine-and>

Currently there are five prospective randomized controlled trials which have not been able to demonstrate its effectiveness. Three of these trials were double blinded and covered a wide range of clinical conditions from prophylaxis post exposure to patients with severe COVID-19.

COVID-19 Therapeutics

Hydroxychloroquine



- Borba, et al. (Brazil) – Hospitalized with severe COVID-19 (this was a double blind trial). 18.9% of the patients in the high dose group developed QTc interval abnormalities compared to 11.1% in the low dosage group. The lethality in the high dose group was more than twice that of the low dose control. The study was discontinued. April 24, 2020.
<https://jamanetwork.com/journals/jamanetworkopen/fullarticle/2765270>
- Boulware, et al. (USA) – Prophylaxis post exposure to SARS-CoV-2 (this trial was double blind). “After high-risk or moderate-risk exposure to Covid-19, hydroxychloroquine did not prevent illness compatible with Covid-19 or confirmed infection when used as postexposure prophylaxis within 4 days after exposure.” New England Journal of Medicine. June 3, 2020. <https://www.nejm.org/doi/full/10.1056/NEJMoa2016638>
- Oxford RECOVERY Study: (UK) – Hospitalized Patients. “There was no significant difference in the primary endpoint of 28-day mortality (25.7% hydroxychloroquine vs. 23.5% usual care; hazard ratio 1.11 [95% confidence interval 0.98-1.26]; p=0.10). There was also no evidence of beneficial effects on hospital stay duration or other outcomes.” The Trial was halted because of lack of efficacy. June 5, 2020
<https://www.ox.ac.uk/news/2020-06-05-no-clinical-benefit-use-hydroxychloroquine-hospitalised-patients-covid-19>
- Skipper, et al. (USA & Canada) – Non-Hospitalized Patients (this trial was double blind). “Hydroxychloroquine did not substantially reduce symptom severity in outpatients with early, mild COVID-19.” Annals of Internal Medicine. July 16, 2020. <https://www.acpjournals.org/doi/10.7326/M20-4207>
- Cavalcanti, et al. (Brazil) – Hospitalized Patients. “Among patients hospitalized with mild-to-moderate Covid-19, the use of hydroxychloroquine, alone or with azithromycin, did not improve clinical status at 15 days as compared with standard care.” New England Journal of Medicine. July 23, 2020.
<https://www.nejm.org/doi/full/10.1056/NEJMoa2019014>

COVID-19 Therapeutics

Hydroxychloroquine



HCQ Works in Monkeys Not Humans.

<https://www.infectioncontrolday.com/view/new-study-hydroxychloroquine-works-in-monkeys-not-humans>

- The laboratory study which started the hydroxychloroquine “movement” had excellent results, demonstrating a 99% reduction in viral replication. But was performed on Green Monkey Kidney Cells.

<https://reader.elsevier.com/reader/sd/pii/S0006291X0401839X>

- However, a recent study by Hoffmann et al, demonstrated that the SAR-CoV-2 virus uses a different enzyme to enter human lung cells (TMRRSS2) and hydroxychloroquine does not block viral entry with this enzyme.

<https://www.nature.com/articles/s41586-020-2575-3>

COVID-19 Therapeutics

Hydroxychloroquine



Finally, the use of Hydroxychloroquine with Azithromycin makes little sense. Both Prolong the QT interval and have additive toxicity, producing in some patients potentially fatal arrhythmias.

With the frequent cardiac involvement of COVID-19 this is a Toxic Mix.

COVID-19 Therapeutics

Hydroxychloroquine



“And why not focus on the drugs (Camostat mesilate or nafamostat mesylate) which are currently in human trials which block the enzyme found in humans? All of the effort spent on HCQ would be better placed on other more promising compounds. This is really inhibiting our efforts to find a cure.”

COVID-19 Therapeutics

Convalescent Serum



THE CORONAVIRUS CRISIS

FDA's Hahn Apologizes For Overselling Plasma's Benefits As A COVID-19 Treatment

<https://www.npr.org/sections/health-shots/2020/08/25/905792261/fdas-hahn-apologizes-for-overselling-plasmas-benefits-as-a-covid-19-treatment>

“Transfusion of convalescent plasma with higher antibody levels to hospitalized COVID-19 patients significantly reduced mortality compared to transfusions with low antibody levels. Transfusions within three days of COVID-19 diagnosis yielded greater reductions in mortality.”

<https://newsnetwork.mayoclinic.org/discussion/convalescent-plasma-associated-with-reduced-covid-19-mortality-in-35000-plus-hospitalized-patients/>

COVID-19 Therapeutics

Monoclonal Antibodies



Eli Lilly has produced a neutralizing antibody product which in a phase 2 randomized clinical trial resulted in a 72% decrease in hospitalizations and ER Visits.

Similar to convalescent serum, the product has to be given within three days of diagnosis.

If the company can make enough of this product, it could be a bridge for a vaccine for newly diagnosed patients who are obese or have advanced age and are the most likely to become hospitalized.

<https://www.infectioncontrolday.com/view/eli-lilly-neutralizing-antibodies-breakthrough-for-covid-19-treatment>

COVID-19 Therapeutics

Remdesvir



JAMA Network™

JAMA. 2020;324(11):1048-1057.
doi:10.1001/jama.2020.16349

Effect of Remdesivir vs Standard Care on Clinical Status at 11 Days in Patients With Moderate COVID-19

A Randomized Clinical Trial

Christoph D. Spinner, MD¹; Robert L. Gottlieb, MD, PhD²; Gerard J. Criner, MD³; et al

May not be as promising as once thought:

In a randomized prospective trial, patients' clinical status was not significantly different than controls with a 10 day trial of Remdesvir. Its was significantly improved with a 5 day trial "the difference was of uncertain clinical importance."

<https://jamanetwork.com/journals/jama/fullarticle/2769871>

COVID-19 Therapeutics

Anticoagulation



Thrombotic complications in critically ill COVID-19 ICU patients

- Over a 20% incidence of Pulmonary Embolisms in ICU Patients
<https://www.ahajournals.org/doi/10.1161/CIRCULATIONAHA.120.047430>
- 31% incidence of thrombotic complications in ICU patients with COVID-19.
<https://pubmed.ncbi.nlm.nih.gov/32291094/>

American Society of Hematology: Despite the lack of quality published evidence, many institutional protocols have adopted an intermediate-intensity (i.e., administering the usual daily LMWH dose twice daily) or even a therapeutic-intensity dose strategy for thromboprophylaxis based on local experience. We recommend participation in [ongoing clinical trials and epidemiologic studies](https://www.hematology.org/covid-19/covid-19-and-vte-anticoagulation). <https://www.hematology.org/covid-19/covid-19-and-vte-anticoagulation>

COVID-19 Therapeutics

Dexamethasone

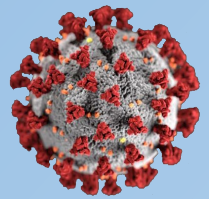


RECOVERY Trial, Oxford England: Dexamethasone reduced deaths by one-third in ventilated patients (rate ratio 0.65 [95% confidence interval 0.48 to 0.88]; $p=0.0003$) and by one-fifth in other patients receiving oxygen only (0.80 [0.67 to 0.96]; $p=0.0021$). There was no benefit among those patients who did not require respiratory support (1.22 [0.86 to 1.75]; $p=0.14$). <https://www.recoverytrial.net/news/low-cost-dexamethasone-reduces-death-by-up-to-one-third-in-hospitalised-patients-with-severe-respiratory-complications-of-covid-19>

JAMA Network: Association Between Administration of Systemic Corticosteroids and Mortality Among Critically Ill Patients With COVID-19 “In this prospective meta-analysis of clinical trials of critically ill patients with COVID-19, administration of systemic corticosteroids, compared with usual care or placebo, was associated with lower 28-day all-cause mortality.”

<https://jamanetwork.com/journals/jama/fullarticle/2770279>

COVID-19: Vaccines



The Quest for a Vaccine

- World-wide, over 100 Manufacturers Developing a Vaccine.
- 10 Look Promising.
- United States starting To Manufacture While Being Tested.

COVID-19: Vaccines



Business

Vaccine CEOs issue safety pledge amid Trump's quest for pre-election approval

Nine chief executives issued an extraordinary joint statement Tuesday seeking to bolster faith in coronavirus vaccine.

The Washington Post
Democracy Dies in Darkness

The executives signing the pledge included the leaders of AstraZeneca, Johnson & Johnson, Merck, Moderna, and Novavax, as well as those heading two joint vaccine projects, Pfizer and BioNTech, and Sanofi and GlaxoSmithKline.

HW USA – COVID-19 Resources



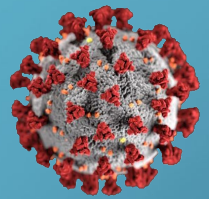
Go To: Health Watch USA www.healthwatchusa.org
-- Click on Large Virus or Use Top “COVID-19” Drop Down Menu

Resources

- 8 OpEds in Major Papers or Blogs.
- 14 Videos of Meetings, Lectures or Interviews
- 107 Radio Shows
- 28 Articles in Infection Control Today
 - COVID-19 Primarily Heart Not Lung Disease
 - 2020 Flu Dud or Devastation
 - HCQ Works in Monkeys Not Humans
 - Herd Immunity a COVID-19 Fallacy
- Continuing Education Courses – Mass Nurses Association, Southern Kentucky AHEC

Go To: www.healthconference.org “Through the Eyes of the Frontline”

IF WE DO NOT
CHANGE OUR
DIRECTION,



we are likely
to end up where
we are headed.

Ancient Chinese Proverb