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## Health Watch USA<sup>sm</sup> 2020 Patient Advocacy Report:

2020 has been Health Watch USA's most productive year. Our members have had coverage by top national news media and have published two major peer reviewed articles along with numerous Op-Eds and policy statements. In addition, our 2020 conference was a huge success.

The overwhelming majority of the topics centered around the COVID-19 Pandemic. However, the topics of transparency, access to healthcare and antibiotic resistance were also addressed.

The Table below indexes resources from Health Watch USA<sup>sm</sup>. Overall, there are 54 Blogs, OpEds and Articles, 159 Radio Shows, 31 Webinars & Interviews, 19 News Reports, and the 2020 Yearly Conference.

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# Through The Eyes of the Frontline

Massachusetts Nurses Association  
& Health Watch USA<sup>sm</sup>  
Webinar July 15<sup>th</sup>, 2020

## Presentations



**United States:** Dr, Kevin Kavanagh is Board Chairman of Health Watch USA<sup>sm</sup>, Associate Editor for the Journal of Patient Safety and Editorial Board member of Infection Control Today. He serves on CMS' Hospital Harm/Hospital-Acquired Condition Reduction Program Technical Expert Panel and on NQF's Consensus Standards Approval Committee. **The Perfect Storm, The History of the Ineffective Disease Policy.**

[PDF Slides](#) YouTube Video: <https://youtu.be/L7qShgRSLIU>



**Singapore:** Dr. Matthias Maiwald a Senior Consultant and the Head of Service, Microbiology, at KK Women's and Children's Hospital, and an Adjunct Associate Professor at the Department of Microbiology Service & Senior Consultant (Microbiology), National University of Singapore, and at Duke-National University of Singapore Graduate Medical School in Singapore. **Singapore from the Front Lines.**

[PDF Slides](#) YouTube Video: <https://youtu.be/EEWis0cOLLA>



**Netherlands:** Dr. Christina Vandenbroucke-Grauls, Editor of Antimicrobial Resistance and Infection Control and Professor of Medical Microbiology, VU University Medical Center, Netherlands. **Netherlands from the Front Lines.**

[PDF Slides](#) YouTube Video: <https://youtu.be/UYLMgDgil8g>

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**Spain:** Dr. Jesus Rodriguez-Baño is the immediate Past President of the ESCMID (European Society of Clinical Microbiology and Infectious Diseases) and Associate Editor of Clinical Microbiology and Infection, Spain. **Spain from the Front Lines.**

[PDF Slides](#) YouTube Video: <https://youtu.be/mxfGYAtskVY>



**United States:** Dr. Elaine Bernard served as Executive Director of the Labor and Worklife Program from 1989-2017 at Harvard University. She has a BA from the University of Alberta, a MA from the University of British Columbia and a Ph.D. from Simon Fraser University, United States. **United States from the Front Lines.**

[PDF Slides](#) YouTube Video: <https://youtu.be/UIMg156bM0A>



Jodi Sugerman-Brozan is MassCOSH's Executive Director. Before joining MassCOSH in April 2017, she was the Executive Director of Bikes Not Bombs which uses the bicycle as a vehicle for social change. Leadership development and community and youth organizing have been central to her work for decades.

[PDF Slides](#) YouTube Video: [https://youtu.be/OA1CmmK0\\_60](https://youtu.be/OA1CmmK0_60)

**Conference Closing Remarks:** [PDF Slides](#) YouTube: <https://youtu.be/UwBNeyZUT20>

#### **Understanding important evidence-based strategies in the prevention of emerging epidemics**

- Identify infection Control strategies that prevent and mitigate the spread of disease among both workers and patients.
- Understanding public acceptance and role of Public Health Policy on mitigating epidemic spread.



**Interview discussing highpoints of the conference.**

YouTube: <https://youtu.be/XvNsTdV26t0>

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## Peer Reviewed Articles

1. Kevin KT, Pare J, Pontus, C. COVID-19: Through the Eyes through the Front Line, an International Perspective. Antimicrobial Resistance and Infection Control. Nov. 7, 2020. 179, <https://aricjournal.biomedcentral.com/articles/10.1186/s13756-020-00850-2>
2. Kavanagh KT, Dykes PC. Hospital Pressure Injury Metrics, an Unfulfilled Need of Paramount Importance. Journal of Patient Safety. March 12, 2020. doi: 10.1097/PTS.0000000000000694  
[https://journals.lww.com/journalpatientsafety/Citation/9000/Hospital\\_Pressure\\_Injury\\_Metrics,\\_an\\_Unfulfilled.99204.aspx](https://journals.lww.com/journalpatientsafety/Citation/9000/Hospital_Pressure_Injury_Metrics,_an_Unfulfilled.99204.aspx)

## HW USA - Op-Eds Courier Journal:

### **1. *In Battling COVID-19, Government Needs to Engage, Not Fight With Religious Communities***

Public health strategists should realize these rulings set a template for a unified national strategy that is not perverted by economic or political interests. New York City, the genesis of the Supreme Court Case, closed schools and allowed bars and restaurants to remain open, which made little sense. And many in Kentucky question the wisdom of closing schools with sporting events remaining open. All of this is creating unnecessary public confusion, eroding faith in our public health institutions and most importantly ineffectively controlling the spread of COVID-19. Courier Journal. Dec. 4 2020. **References** <https://www.courier-journal.com/story/opinion/2020/12/04/kentucky-covid-19-government-should-work-churches-against-virus/6469881002/>

### **2. *To successfully deal with COVID-19, we need to transform our way of life***

It is imperative that we need to take our head out of the sand and unite as a nation. Successfully dealing and living with viruses is the new norm. We need to adapt and need to invest in our infrastructure and transform our society. New Zealand, Australia, Taiwan, China and South Korea have done this, so can the United States. Courier Journal. Nov. 5, 2020. **References** <https://www.courier-journal.com/story/opinion/2020/11/05/to-deal-with-covid-19-we-must-transform-our-lives/6093570002/>

### **3. *Our nation needs to learn how to live safely with the coronavirus***

As our society continues to live in a way that defies public health logic, one can only conclude the infectivity and lethality of this virus is being severely underappreciated by our leaders. An underappreciation exemplified by Kentucky Sen. Rand Paul's recent push for a policy of opening all schools and having only those at risk wear masks. We need to approach this pandemic not with third-world nation strategies but by expanding rapid testing and case identification, along with transforming our

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infrastructure and society to allow us to safely live with this virus. Courier Journal. Aug. 26, 2020. [References https://www.courier-journal.com/story/opinion/2020/08/26/covid-19-pandemic-how-live-safer-we-go-through/3402655001/](https://www.courier-journal.com/story/opinion/2020/08/26/covid-19-pandemic-how-live-safer-we-go-through/3402655001/)

**4. *Opinion: If we don't come together as a nation, the coronavirus will win the battle***

Currently, society is struggling on two fronts, both for social justice and at the same time to control a raging epidemic. The epidemic of COVID-19 may be with us for a long time. And those who try to minimize it are doing so by placing front-line workers and economically disadvantaged populations at risk. We are opening our economy, but we need to do so safely, and we need to learn to live with this virus. That means wearing masks in public and in stores, social distancing and protecting, not fighting others. While we fight for social justice, it is imperative that at the same time we need to slow the spread of this virus, so our technology and vaccine development can catch up. Courier Journal. June 6, 2020. [References https://www.courier-journal.com/story/opinion/2020/06/16/coronavirus-kentucky-we-must-come-together-lose-battle/3191282001/](https://www.courier-journal.com/story/opinion/2020/06/16/coronavirus-kentucky-we-must-come-together-lose-battle/3191282001/)

## **HW USA - Op-Eds Lexington Herald Leader:**

**1. *We can see a light at the end of the COVID tunnel, but we still have to be diligent***

We can now see a light at the end of the tunnel but let's not brick up the end. We must slow down the transmission of this virus, so nature's lab does not outpace our pharmaceutical giants. If a safe and effective vaccine is available, please take the vaccine and encourage others to receive it. And wear a mask along with social distancing. Lexington Herald Leader. Nov 20, 2020. [References https://www.kentucky.com/opinion/op-ed/article247262694.html](https://www.kentucky.com/opinion/op-ed/article247262694.html)

**2. *On COVID-19, the U.S. is turning into a dangerous cult of bad information***

Some of us formed into online cliques and developed a Jonestown cult mentality in our approach to American life. Added to the toxic mix, foreign agitation placed us on the precipice of one of the greatest ordeals which our society may endure – COVID-19. A study from Carnegie Mellon University found almost half the tweets regarding the coronavirus are likely bots with a playbook similar to Chinese and Russian disinformation campaigns. Reuters reported similar findings, describing a European Union document which concluded Russia implemented an online misinformation campaign, in multiple languages, which was making the EU's response to the epidemic difficult. Lexington Herald Leader. July 8, 2020. [References https://www.kentucky.com/opinion/op-ed/article244032807.html](https://www.kentucky.com/opinion/op-ed/article244032807.html)

**3. *Healthcare system's basic infrastructure left it unprepared for COVID-19***

"Hospitals are receiving massive bailouts based upon their Medicare billings. However, this will primarily shunt money to large healthcare systems as opposed to frontline hospitals. Similar, to everyday citizens' stimulus checks, hospital bailouts should be based upon need. Non-profits with high net assets should not receive as much funds as frontline hospitals with negative assets. If for-profit facilities or private equity firms receive a bailout, it should be paid back with interest or the Government should acquire an equity position in the company. And all of this

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should be predicated on not furloughing workers." Lexington Herald Leader. April 27, 2020. [References https://www.kentucky.com/opinion/op-ed/article242268966.html](https://www.kentucky.com/opinion/op-ed/article242268966.html)

**4. *The United States has squandered resources it needs to fight coronavirus***

"The United States is on the verge of being ravaged by an invader which we have far too little resources to confront. New estimates from the United Kingdom are predicting 2.2 million deaths in the United States from an unmitigated coronavirus (COVID-19) epidemic. If our healthcare system is overrun, this care will not be available to all. In Italy, there are reports of those over 80 not being placed on ventilators. In addition, critical care survivors, including the young, may well develop pulmonary fibrosis, a disabling chronic lung disease." Lexington Herald Leader. Mar. 24, 2020 (Online). [References https://www.kentucky.com/opinion/op-ed/article241422756.html](https://www.kentucky.com/opinion/op-ed/article241422756.html)

**5. *Coronavirus is the biggest challenge our healthcare system has faced.***

Is Kentucky prepared? In January, I concluded an OpEd with an alarmist statement: "The epidemic of antibiotic resistant organisms may be the final solution to global warming." We are currently on the precipice of a massive pandemic from the coronavirus (COVID-19). Initial data from China has documented massive economic disruption with a 25 percent drop in carbon emissions. A sobering observation, but of even more concern when one considers the United States does not have the authoritarian structure and a culture of population control which exists in the Chinese government. According to the CDC, the unknown is when, not if, the epidemic will hit the United States and "severe disruption" of everyday life may occur. Lexington Herald Leader. Feb. 27, 2020 (Online). [References https://www.kentucky.com/opinion/op-ed/article240697331.html](https://www.kentucky.com/opinion/op-ed/article240697331.html)

## **HW USA - Op-Eds & Major Blogs:**

**1. *Distortion of Science to Inhibit the Adoption of Infectious Disease Strategies.***

Distortion of science for political and economic ends has prevented the allocation of needed resources to stop the spread of dangerous pathogens. This places all of society as a whole at risk, but exacting an insufferable toll of death and disability on our front-line healthcare workers, along with our most vulnerable populations. COVID-19 has demonstrated how dangerous this scenario has become..... Whether one deals with MRSA or COVID-19, screening and decolonization or self-isolation of healthcare workers is of utmost importance. Their health, the health of their families along with their patients depend upon it. BioMed Central. Nov. 13, 2020. [References https://blogs.biomedcentral.com/on-health/2020/11/13/distortion-of-science-to-inhibit-the-adoption-of-infectious-disease-strategies/](https://blogs.biomedcentral.com/on-health/2020/11/13/distortion-of-science-to-inhibit-the-adoption-of-infectious-disease-strategies/)

**2. *Will the COVID-19 Pandemic Transform Health Care?***

Many lessons have been learned from COVID-19. We have learned that case definitions can be rapidly created and a reporting system which comprises all types of healthcare facilities can be implemented. The same needs to be done for other dangerous pathogens, including the CDC's

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Urgent and Serious Threats, and strategies need to be standardized across all types of facilities. SARS-CoV-2 does not vary its lethality or infectivity based upon the facility type or region of the country. BioMed Central. Nov. 13, 2020. [References http://blogs.biomedcentral.com/on-health/2020/11/11/will-the-covid-19-pandemic-transform-health-care/](http://blogs.biomedcentral.com/on-health/2020/11/11/will-the-covid-19-pandemic-transform-health-care/)

### **3. *There's No Excuse for Lean Healthcare Systems — Especially during COVID-19***

"There is no excuse for running a system which is lean on hospital rooms, supplies and staff. Net-profits and assets are desirable, but not at the expense of public safety. Hospital staff are being asked to see patients under draconian conditions and at the same time they do not have an adequate economic and healthcare safety net. Healthcare workers do not need paid sick leave, they need adequate PPE and worker's compensation benefits, if they become infected. IPs are placing both themselves and their families' lives at grave risk under the crisis management CDC infectious disease recommendations. That is the very least we can do for them." Med Page Today (non-redacted version). April 20, 2020.: [References https://www.medpagetoday.com/infectiousdisease/covid19/86061](https://www.medpagetoday.com/infectiousdisease/covid19/86061)

- *Related Radio Segment on the Jeff Santos Show:* <https://youtu.be/ZP9BFSW0XjE>
- *Hospital Finances:* <http://www.healthwatchusa.org/HWUSA-Publications/PDF-Downloads/Hospital-IRS-Filings.pdf>

### **4. *The Untimely Reporting of Drug-Resistant Outbreaks in the United States.***

Over the course of the last few decades, the United States has fallen into the dark abyss of secrecy: if truth is inconvenient, just cover it up and don't disclose it. The United States needs to implement mandatory real-time public reporting of the CDC's dangerous biological threats. The Center For Disease Dynamics, Economics & Policy. Mar. 3, 2020 (Online). [References https://cddep.org/blog/posts/the-untimely-reporting-of-drug-resistant-outbreaks/](https://cddep.org/blog/posts/the-untimely-reporting-of-drug-resistant-outbreaks/)

## **HW USA - Infection Control Today Articles & Viewpoints:**

### **1. *Vaccines Should Work Against New COVID-19 Strain***

We must treat this strain with the respect it deserves, but we must not panic. There is no doubt that increased infectivity equates with increases in deaths, but it does not mean the vaccines will not work. It is imperative that we follow public health advice. Just remember what happened to the snow leopards in the Louisville Zoo, they are exceptionally good at enforcing social distancing, but not so good at wearing masks. They caught COVID-19. Thus, you must do both. And be steadfast, since we have to slow down the spread of SARS-CoV-2, so the viruses natural production laboratory does not outstrip the capacity of our pharmaceutical giants. [References https://www.infectioncontrolday.com/view/vaccines-should-work-against-new-covid-19-strain](https://www.infectioncontrolday.com/view/vaccines-should-work-against-new-covid-19-strain)

### **2. *Viewpoint: Monitoring Systems Track COVID Vaccine Reactions***

V-Safe and VAERS are 2 monitoring systems for patients who are given a COVID-19 vaccine.

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Infection preventionists can play a vital role in educating about the strengths and drawbacks of each. However, questions remain. We do not know how long immunity will last, if those vaccinated can become infectious as an asymptomatic carrier, or how the vaccine affects special populations such as those who are pregnant, very young or immunosuppressed. <https://www.infectioncontroltoday.com/view/viewpoint-monitoring-systems-track-covid-vaccine-reactions>

### **3. COVID-19 Vaccine? Hurry Up and Wait**

At last, the vaccines are here! Or are they? There appears to be a shortfall, not enough to initially vaccinate even all of the frontline healthcare workers and nursing home residents against coronavirus disease 2019 (COVID-19). By some estimates only about 20% of the expected doses will be available by year's end. Shortages can more easily be corrected, than the combating of anti-vaxxer misinformation. However recent polls have been reassuring, with those willing to take the COVID-19 vaccine increasing to 63%. Infection preventionists are an important component of this effort and need to actively articulate to both patients and on social media the need to be vaccinated and to follow public health advice. Infection Control Today. Dec. 10, 2020. **References** <https://www.infectioncontroltoday.com/view/covid-19-vaccine-hurry-up-and-wait>

### **4. Healthcare Workers Hit by COVID Need Workers Comp**

"Kevin Kavanagh, MD. In a wide-ranging discussion, Kavanagh—a member of Infection Control Today®'s Editorial Advisory Board—says that the nation isn't doing nearly enough to help those on the frontlines battling the coronavirus disease 2019 (COVID-19) pandemic. Kavanagh says that "these frontline healthcare workers are putting their lives at risk, and also the lives of their families and loved ones. And they need to be given support; at least proper protective equipment. In my opinion, they should get presumptive workers comp, if they start to develop problems. This is a significant problem." The public isn't taking the disease seriously enough and leaders are not leading." Infection Control Today. Nov. 17, 2020. <https://www.infectioncontroltoday.com/view/healthcare-workers-stricken-by-covid-need-workers-comp>

### **5. Viewpoint: Healthcare Workers Not Being Protected from COVID**

Faced with greater than three times the number of cases as the last surge, along with exponential growth with no end in sight, there is little hope healthcare workers can safely treat patients without a drastic change in policy and a more productive and secure supply line. Infection Control Today. Nov. 16, 2020. **References** <https://www.infectioncontroltoday.com/view/viewpoint-healthcare-workers-not-being-protected-from-covid>

### **6. Viewpoint: Quackery Might Stall Progress Against COVID-19**

The worst-case scenario is that if an effective and safe COVID-19 vaccine is found, a large segment of our population will elect to use hydroxychloroquine or another ineffective treatment instead, allowing the virus to continue to thrive, and devastate our nation. As a nation, we can easily defeat this virus, but it requires us to trust modern science and embrace a national strategy coordinated by public health officials and our federal government. Let's not embrace attitudes and views of the 1800's. Infection Control Today. Nov. 7, 2020. **References** <https://www.infectioncontroltoday.com/view/viewpoint-quackery-might-stall-progress-against-covid-19>

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## **7. COVID Vaccine: What Infection Preventionists Need to Know**

Kevin Kavanagh, MD: "Infection preventionists will need to make sure that they still have access to adequate PPE, even if the vaccine comes out [and they] really need to look at the experimental group that was used for the EUA." And believe me, if I was a frontline healthcare worker at my age, a vaccine would really have to have a lot of complications and concerns before I would not get it. Now that's just a personal view. Because if it adds any armor to protect me from a highly infectious disease that's very prevalent in our community, that has a high rate of fatality, and even a higher rate of chronic disability, I would opt for that vaccine. <https://www.infectioncontroltoday.com/view/covid-vaccine-what-infection-preventionists-need-to-know>

## **8. FDA Panel Reviews Many Challenges Facing a COVID Vaccine -- Vaccines: Safety & Efficacy**

The overall cost for society is far too high for a flawed and relaxed vaccine approval process. If the vaccine has low effectivity and primarily prevents mild disease, it will offer little protection to society and may cause inconceivable harm. To paraphrase Peter Luri, MD, MPH, from the Center for Science in Public Interest—The benefits of a minimally effective vaccine can be negated if the public relaxes wearing masks and social distancing. But even worse, if the vaccine is ineffective, it will further fuel the antivaccine movement for decades to come. Infection Control Today. Oct. 25, 2020. [References https://www.infectioncontroltoday.com/view/fda-panel-reviews-many-challenges-facing-a-covid-vaccine](https://www.infectioncontroltoday.com/view/fda-panel-reviews-many-challenges-facing-a-covid-vaccine)

## **9. Viewpoint: The "Not So" Great Barrington Declaration**

Recently, an international group of scientists signed a declaration advocating for achieving herd immunity from coronavirus disease 2019 (COVID-19) by opening communities and business, while protecting the vulnerable with "focused protection." The Declaration states: "A comprehensive and detailed list of measures, including approaches to multi-generational households, can be implemented, and is well within the scope and capability of public health professionals." But to be honest, I'm not sure how this can be done.

Currently, the United States is undergoing a third peak of infections on our first wave and the metrics, of cases and test positivity rates are increasing.

For infection preventionists and frontline healthcare workers, the Great Barrington Declaration places their lives and livelihood at risk. A field hospital has been activated in Wisconsin and the state is at risk of running out of hospital beds and trained staff. Infection Control Today. Oct. 15, 2020. [References https://www.infectioncontroltoday.com/view/viewpoint-the-not-so-great-barrington-declaration](https://www.infectioncontroltoday.com/view/viewpoint-the-not-so-great-barrington-declaration)

## **10. Q&A: Are Infection Preventionists Being Misinformed?**

Kevin Kavanagh, MD: "Many of the infection preventionists over the last six months now have more experience than many of the policymakers up in DC, because they've lived it firsthand. And they've seen how COVID-19 can spread. And they're starting to develop a good idea of how to stop it." "There have been a number of statements from the CDC or at least with the CDC label on it, which have been disturbing," Kavanagh tells ICT®. Some of those disturbing statements can be attributed to the fact that the CDC and the rest of the world didn't quite know what it was dealing with, but not all of them. Kavanagh worries that political pressure may be at work. One of the ways infection preventionists (IPs) can educate themselves is to look at what's being done in other countries, and read the comments under pre-print studies. Also, experience counts, and IPs have now had months of dealing with the

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coronavirus. Infection Control Today. Oct. 9, 2020.

<https://www.infectioncontrolday.com/view/q-a-are-infection-preventionists-being-misinformed->

**11. School Daze: COVID-19 Spreads Fear, Confusion:**

"Opening schools should depend upon low rates of viral spread in the community, widespread testing, rigorous following of public health guidelines, and upgrading the physical infrastructure of our buildings. Our schools are anything but healthy buildings.<sup>18</sup> Concerns have existed for decades regarding both the air quality and the crowded conditions our children are exposed to. COVID-19 should be viewed as an opportunity for transformation, allowing us to build a better school system with smaller class sizes for better education and implement strategies to prevent the spread of all infectious diseases" Infection Control Today Oct 2020. (Page 28) [References](https://cdn.sanity.io/files/0vv8moc6/infectioncontrol/5f2ddf41a688625d1f8afd54dcb8e87d7cb5cbfa.pdf) <https://cdn.sanity.io/files/0vv8moc6/infectioncontrol/5f2ddf41a688625d1f8afd54dcb8e87d7cb5cbfa.pdf>

**12. Trick or Treat ... or COVID-19? Yes, it is Airborne**

Traditional trick or treating is viewed as a high-risk-activity by the CDC. Of course, we all knew Halloween would be problematic. An important caveat for Halloween is not to use your Halloween mask to prevent the spread of coronavirus. It will offer very little protection. These recommendations contain many important lessons both for Halloween and how we should be living our lives in general. And Yes it is Airborne. Infection Control Today. Sept. 28, 2020. [References](https://www.infectioncontrolday.com/view/trick-or-treat-or-covid-19-) <https://www.infectioncontrolday.com/view/trick-or-treat-or-covid-19->

**13. Eli Lilly Neutralizing Antibodies: Breakthrough for COVID-19 Treatment?**

Eli Lilly announced preliminary results to their SARS-CoV-2 neutralizing antibody product, LY-CoV555, which was reported to have spectacular results with a 72% decrease in hospitalizations or ER visits when mildly or moderately symptomatic patients are given the drug within 3 days of diagnosis. As observed in the Eli Lilly study, those newly diagnosed patients who are obese or have advanced age are the most likely to become hospitalized, and I feel initially this innovative product should be targeted toward these high-risk patients. Infection Control Today. Sept. 17, 2020. [References](#) [Download Original Article](#)

Updated Oct. 8, 2020. [Downloaded Article](#) (The article was updated again on Nov. 10 by ICT Editorial Board Staff)

**14. Taking Aim at Antibiotic-Resistant Bacteria During COVID - A review of the Fall 2020 PACCARB Meeting.**

Patients afflicted with COVID-19 have an increased susceptibility to antibiotic resistant infections both from prolonged hospitalizations and the use of immunocompromising agents such as dexamethasone. Infection Control Today. Sept. 16, 2020. <https://www.infectioncontrolday.com/view/taking-aim-at-antibiotic-resistant-bacteria-during-covid> [References](#)

**15. Is COVID-19 Primarily a Heart and Vascular Diseases?**

Thus, the once thought asymptomatic patients who luckily dodged a bullet and were spared from the ravages of the disease, may indeed be truly sick. A significant portion of them may develop myocarditis along with vascular vasodilation with resultant hypoxemia. This pathological process could easily be more significant than the pulmonary effects of the virus, since it is present in both symptomatic and asymptomatic patients. And could explain the

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debilitating symptoms of fatigue and mental fog which “long-haulers” are experiencing, many of which had a mild initial illness. Infection Control Today. Sept. 8, 2020. [References  
https://www.infectioncontroltoday.com/view/is-covid-19-primarily-a-heart-and-vascular-diseases](https://www.infectioncontroltoday.com/view/is-covid-19-primarily-a-heart-and-vascular-diseases)

**16. Viewpoint: Infection Preventionist Guide to Dealing with COVID Misinformation**

"It is imperative that infection preventionists engage and combat this messaging on social media and wherever it occurs. To not do so, allows misinformation to fan the pandemic, placing all of our lives at risk."

After one leave retorts to the misinformation, "you will notice that you have numerous exchanges with one individual. That this individual has left a junkyard full of highly complex and intertwined web of misinformation. Yet for all of this work, when you go to the troll's home page, it will most likely be blank. This tells you may be dealing with a professional. If the troll responded to you throughout the entire day, he may well be on a payroll." Sept. 7, 2020. Infection Control Today. [References  
https://www.infectioncontroltoday.com/view/viewpoint-infection-preventionist-guide-to-dealing-with-covid-misinformation](https://www.infectioncontroltoday.com/view/viewpoint-infection-preventionist-guide-to-dealing-with-covid-misinformation)

**17. Q&A: Flu Data Show Potency of Anti-COVID Tactics Like Masking, Hand Hygiene**

Wear a mask, good hand hygiene, follow social distancing guidelines: The strategies just mentioned might snuff out COVID-19 in the long term, says Kavanagh, if everybody follows them. "But when you look at the flu, which isn't as infectious, you would expect it to just annihilate that type of a pandemic and organism and that's what we're seeing in the Southern Hemisphere," says Kavanagh. "Now, that of course is contingent that we follow this guidance, which as you know, is anywhere but universally accepted by the American public." Aug. 18, 2020. Infection Control Today. <https://www.infectioncontroltoday.com/view/q-and-a-flu-data-show-potency-of-anti-covid-tactics-like-masking-hand-hygiene>

**18. The 2020 Flu: Dud or Devastation, It is Up To You**

"This year we have to do more than just rely on the flu vaccine. Avoiding the flu plus COVID-19 catastrophe is contingent on the US widely embracing public health guidance of wearing masks, meticulous hand hygiene and social distancing." "If one looks at the data from the CDC, the flu became almost nonexistent in the United States by the end of March, with a very steep drop-off in cases. The World Health Organization (WHO) data from the Southern Hemisphere is even more surprising. Summer is their peak Flu season. But unlike previous years no viral specimens were submitted to the WHO from many countries during the Summer months." Infection Control Today. Aug. 18, 2020.

[References  
https://www.infectioncontroltoday.com/view/the-2020-flu-dud-or-devastation-it-is-up-to-you](https://www.infectioncontroltoday.com/view/the-2020-flu-dud-or-devastation-it-is-up-to-you)

- Link to related YouTube Video : <https://youtu.be/NUKCCPEoHzA>
- Download Slides and References: <http://www.healthwatchusa.org/HWUSA-Presentations-Community/PDF-Downloads/20200818-Flu-Southeast-Asia-Handout.pdf>

**19. Infection Preventionists Might be Needed in Schools**

Similar to our healthcare system as a whole, COVID-19 is shedding a light on deficiencies and the dearth of personal safeguards in our schools. Let us not forget, schools are a nidus for

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spreading the flu and other diseases. Opening schools should depend upon low rates of viral spread in the community, widespread testing, rigorous following of public health guidelines and upgrading the physical infrastructure of our buildings. COVID-19 should be viewed as an opportunity for transformation, allowing us to build a better school system with smaller class sizes for better education and implement strategies to prevent the spread of all infectious diseases. Infection Control Today. Aug. 10, 2020.

- <https://www.infectioncontroltoday.com/view/infection-preventionists-might-be-needed-in-schools>
- Detailed YouTube presentation: <https://www.youtube.com/embed/6Z3mh-TmMJs>
- YouTube Interview and Transcript: <https://www.infectioncontroltoday.com/view/and-a-infection-preventionists-should-head-back-to-school>

#### **20. *New Study: Hydroxychloroquine Works in Monkeys, Not Humans***

Thus, at this point, there is no compelling evidence to recommend the use of hydroxychloroquine for clinical use and several large organizations have suspended research involving this drug. There has been an enormous amount of valuable scientific resources which have been devoted to answering this scientific, now political, issue. These resources would have been better spent on more promising treatment modalities, such as studying Camostat mesilate or nafamostat mesylate therapy for COVID-19, a compound which has been shown to block TMPRSS2. Infection Control Today. Aug. 3, 2020. <https://www.infectioncontroltoday.com/view/new-study-hydroxychloroquine-works-in-monkeys-not-humans>

#### **21. *National Reporting System for All Dangerous Pathogens Needed***

After decades of reluctance to implement a national reporting system, when COVID-19 came along we witnessed almost overnight the formulation of case definitions and comprehensive national reporting from all healthcare facilities. A dangerous pathogen is a dangerous pathogen; we should not discriminate on our approach to COVID-19. The nursing home reporting policies for COVID-19 need to be adopted systemwide for all dangerous pathogens and our infrastructure permanently enhanced. One may think that enhancement is a forgone conclusion. But we did not learn these lessons from the 1918 Spanish flu or from the Ebola, severe acute respiratory syndrome (SARS) or Middle East respiratory syndrome (MERS) outbreaks. Six months or 6 years after this epidemic our resolve may wane. IPs need to document their experiences and keep telling their stories so our memories of this horrific ordeal do not fade. Infection Control Today. July 20, 2020. <https://www.infectioncontroltoday.com/view/covid-19-experience-suggests-need-for-national-reporting-system-for-dangerous-pathogens>

#### **22. *Viewpoint: Despite Happy Talk, We're Far From Out of the COVID Woods***

COVID-19 cases in many states have risen and the false narrative is that this is because of increased testing. But the rise in cases far outstrips the rise in testing... the young are not shielded from the viruses' devastating effects. We need to take this pandemic seriously, the public needs to wear masks and practice social distancing. As stated by Avindra Nath, MD, the senior investigator at the Section of Infections of the Nervous System at National Institutes of Health: "It's quite possible some will never get their health back." Infection Control Today. June 22, 2020. <https://www.infectioncontroltoday.com/view/viewpoint-despite-happy-talk-we-re-far-from-out-of-the-covid-woods>

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**23. COVID-19 Experience Suggests Need for National Reporting System for Dangerous Pathogens**

It is of utmost importance to screen healthcare staff and patients for dangerous pathogens along with the establishment of a national tracking system. The nursing home reporting policies for COVID-19 need to be adopted system wide for all dangerous pathogens and our infrastructure permanently enhanced. One may think that enhancement is a forgone conclusion. But we did not learn these lessons from the 1918 Spanish flu or from the Ebola, SARS or MERS outbreaks. Six months or six years after this epidemic our resolve may wane. IPs need to document their experiences and keep telling their stories so our memories of this horrific ordeal do not fade. Infection Control Today. June 8, 2020.

<https://www.infectioncontroltoday.com/view/covid-19-experience-suggests-need-national-reporting-system-dangerous-pathogens>

**24. Reopening After COVID-19 Needs to be Done Carefully**

Kevin Kavanagh, MD, the board chairman of the patient advocacy group Health Watch USA<sup>sm</sup>, talks to Infection Control Today about the perils of reopening too quickly and the value of cloth masks. "What worries me the most about reopening is that people are going to say, 'Oh, it's over with' and not do any sort of protection, whether it's social distancing, wearing masks, not gathering in crowds. I really think that people will think, 'Well, we got this beat.'" Infection Control Today. May 28, 2020.

<https://www.infectioncontroltoday.com/view/qa-reopening-after-covid-19-proceed-caution>

**25. Why the Public Should Wear Masks During the COVID-19 Pandemic**

Initially, the public was advised not to wear masks. However, this was before the importance of asymptomatic transmission was known. Recent studies have also underscored the growing importance of person-to-person transmission through the air. Guidance changed. It is now recommended for the public to wear cotton masks. This guidance is not intended to protect the wearer, but to help prevent the wearer from spreading the virus to others if they are an unknown asymptomatic carrier. Infection Control Today. May 27, 2020.

<https://www.infectioncontroltoday.com/view/why-public-should-wear-masks-during-covid-19-pandemic>

**26. When COVID-19 Knocks on Nursing Homes' Doors, Systemic Problems Welcome It.**

"Despite nursing homes becoming a nidus of multi-drug resistant organisms (MDROs), the regulations for staffing infection preventionists (IPs) at nursing homes are far too lax. Nursing homes should have a full-time IP. Presently the regulations only specify a part-time IP without a specific required time commitment. In view of the large number of nursing home residents and the high drug-resistant carriage rate, a full-time position is certainly needed." Infection Control Today. May 7, 2020.

<https://www.infectioncontroltoday.com/view/when-covid-19-knocks-nursing-homes-doors-systemic-problems-welcome-it>

**27. Viewpoint: COVID-19 Modeling: Lies, Damn Lies and Statistics.**

"We have now received our fourth projection on deaths. I'm not sure if it will be right or wrong, but the others have proven to not be correct, so I'm not hopeful for this one. That is actually good news because the last projection doubles the number of expected deaths to 134,475 by Aug 4, 2020." Infection Control Today. May 6, 2020.

<https://www.infectioncontroltoday.com/view/viewpoint-covid-19-modeling-lies-damn-lies-and-statistics>

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**28. Viewpoint: Have You Heard About the Herd? It's a COVID-19 Fallacy.**

"Strategies of social distancing, not gathering in large crowds, wearing masks and protecting those at increased risk are required to manage this epidemic. Returning to life as usual with the dependence on herd immunity in a non-vaccinated population to control spread is almost certainly a false narrative." Infection Control Today. April 29, 2020. <https://www.infectioncontrolday.com/view/viewpoint-have-you-heard-about-herd-its-covid-19-fallacy>

**29. Kevin Kavanagh & Lindsay Calderon. Lessons of the Hydroxychloroquine Debacle: Solid COVID-19 Research Matters.**

"In the new reality of making decisions with limited and incomplete data, it is important that decision makers and scientists are free from biases. Biases can be financial and even geopolitical pressure created by the huge trade war and divisive rhetoric between the United States and China. In a time of great national fear and stress, we must be careful in both reporting and interpreting messaging, including the results of unconfirmed research. Let's not repeat the mistakes of HCQ for unproven benefits, since these are powerful drugs which may also cause harm."

Infection Control Today. April 26, 2020. <https://www.infectioncontrolday.com/view/lessons-hydroxychloroquine-debacle-solid-covid-19-research-matters>

**30. Viewpoint: CDC's Changing Guidance Underscores How COVID-19 Keeps Winning.**

"Needless to say, additional PPE is desperately needed, hopefully both increased manufacturing and sterilization techniques will relieve the shortage. In addition, the strategy adopted by New York State to designate some facilities to exclusively treat COVID-19 patients and others for non-COVID-19 patients to help improve patient safety should be adopted in other areas of the nation. We must make protecting our frontline healthcare workers and patients a priority. Rapid testing will go a long way in assuring the safety of patients by identifying asymptomatic carriers in healthcare workers and staff." Infection Control Today. April 15, 2020. <https://www.infectioncontrolday.com/view/viewpoint-cdcs-changing-guidance-underscores-how-covid-19-keeps-winning>

**31. Viewpoint: As COVID-19 Spreads, Where's All the Money Hospitals Have Made?**

"There is no excuse for running a system which is lean on hospital rooms, supplies and staff. Net-profits and assets are desirable, but not at the expense of public safety. Hospital staff are being asked to see patients under draconian conditions and at the same time they do not have an adequate economic and healthcare safety net. Healthcare workers do not need paid sick leave, they need adequate PPE and worker's compensation benefits, if they become infected. IPs are placing both themselves and their families' lives at grave risk under the crisis management CDC infectious disease recommendations. That is the very least we can do for them." Infection Control Today (redacted version). April 10, 2020: <https://www.infectioncontrolday.com/view/viewpoint-covid-19-spreads-where%E2%80%99s-all-money-hospitals-have-made>

- Related Radio Segment on the Jeff Santos Show: <https://youtu.be/ZP9BFSW0XjE>
- Hospital Finances: <http://www.healthwatchusa.org/HWUSA-Publications/PDF-Downloads/Hospital-IRS-Filings.pdf>

**32. Authorities are split on what to do if a person is already on ACE Inhibitors and ARBs.**

Many in the United States have advocated to stay the course, until more information is

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known. Switching medications may be difficult at best. At the least, until this controversy can be resolved, if you are on one of these medications one should perform strict social distancing and protect yourself from contracting COVID-19. Staying safe at home is best and follow strict recommendations when contacting the public. Infection Control Today. April 7, 2020. <https://www.infectioncontrolday.com/view/viewpoint-what-do-about-ace-inhibitors-during-covid-19-pandemic>

[Health Watch USA<sup>sm</sup> Summary of Recommendations Regarding ACE Inhibitors and ARBs with COVID-19.](#)

**33. Churches Could be the Deadliest Places in the COVID-19 Pandemic.**

One may ask: Why am I calling out churches? The answer is asymptomatic spread and aerosolization of the virus from singing. Infection Control Today. April 3, 2020. <https://www.infectioncontrolday.com/view/churches-could-be-deadliest-places-covid-19-pandemic>

**34. As COVID-19 Knocks on Nursing Homes' Doors, Full-Time Infection Preventionists Needed More Than Ever.**

"Despite nursing homes becoming a nidus of multi-drug resistant organisms (MDROs), the regulations for staffing infection preventionists (IPs) at nursing homes are far too lax. Nursing homes should have a full-time IP. Presently the regulations only specify a part-time IP without a specific required time commitment. In view of the large number of nursing home residents and the high drug-resistant carriage rate, a full time position is certainly needed." Infection Control Today. March 27, 2020. [Download PDF of Article](#)

**35. Evidence Continues to Link ACE Inhibitors to Severe COVID-19 Symptoms**

There is mounting consensus that ACE inhibitors may be a primary driver of the severe symptoms. The concerns were originally raised in the Lancet. ACE inhibitors up regulate (increase) the ACE2 receptor. This is the receptor the COVID-19 virus uses to attack the lungs. Infection Control Today. March 26, 2020. <https://www.infectioncontrolday.com/view/evidence-continues-link-ace-inhibitors-severe-covid-19-symptoms>

[Health Watch USA<sup>sm</sup> Summary of Recommendations Regarding ACE Inhibitors and ARBs with COVID-19.](#)

**36. COVID-19: We'll Know We've Won the War Against COVID-19 When...**

"Judging when we have won the war against the coronavirus is not simple. The good news is that we have the technology and know-how to confront and substantially mitigate these epidemics. What we have lacked is the willpower to implement this knowledge. If we are unable to rapidly transform our system and correct these flagrant deficiencies, then the worse projections from the Imperial College projections of 2.2 million United States citizen fatalities may come to pass" Infection Control Today. Mar. 20, 2020 (Online). <https://www.infectioncontrolday.com/view/well-know-weve-won-war-against-covid-19-when>

**37. COVID-19: IPs, Other Healthcare Workers at Greater Jeopardy Than Thought.**

"Of extreme concern, of the 3711 Diamond Princess cruise ship passengers, 634 tested positive

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for SARS-CoV-2 (the virus which causes COVID-19) and of these 17.9% were asymptomatic and presumably could spread the virus." Infection Control Today. Mar. 17, 2020 (Online). <https://www.infectioncontroltoday.com/view/covid-19-ips-other-healthcare-workers-greater-jeopardy-thought>

**38. Viewpoint: US Woefully Unprepared for COVID-19 Pandemic.**

"A news commentator made the alarmist statement that we may get to the point where the national guard is escorting patients to a high school gym for placement on ventilators. This is of course a ridiculously misinformed statement since we do not have enough ventilators." Infection Control Today. Mar. 11, 2020 (Online). <https://www.infectioncontroltoday.com/view/viewpoint-us-woefully-unprepared-covid-19-pandemic>

**39. We're Losing the Fight Against COVID-19 So Far.**

"We seem to be at risk of entering into a blame game and "politicizing" the problems. Our response to this contagion shows severe flaws in our healthcare delivery system. As one government official stated, "We have for whatever reason and there are many good ones, designed a system based on very lean staffing practices based on just-in-time supply chains and purchasing." Infection Control Today. Mar. 9, 2020 (Online). <https://www.infectioncontroltoday.com/view/viewpoint-were-losing-fight-against-covid-19-so-far>

**40. Infection Preventionists, Hospital Administrators Will Be on Frontlines of Coming COVID-19 Epidemic.**

"Preparation for the impending epidemic of the COVID-19 coronavirus is of utmost importance and will place a tremendous strain on our healthcare system that will require coordination between the IPs, administrators and the hospital's board. This impending epidemic underscores the importance of the work that the CDC is undertaking by using surveillance and quarantine strategies to delay entry and slow the spread of this pathogen." Infection Control Today. Feb. 27, 2020. <https://www.infectioncontroltoday.com/view/infection-preventionists-hospital-administrators-will-be-frontlines-coming-covid-19-epidemic>

## Public Comments Before Federal Committees

1. **PACCARB, Sept. 2020 Public Comment:** "One Size Does Not Fit All" is an excuse for inaction, it did not work with MRSA and it led to a disastrous uncoordinated whack-a-mole approach with COVID-19. Of utmost importance is the implementation of a National Reporting System for Dangerous Pathogens. <https://youtu.be/yfJ8Yb5LiQk> [Download Written Comment](#)
2. **PACCARB, Feb. 27, 2020: Transparency of Outbreaks of Dangerous Pathogens - Is the United States Any Better Than China?**  
Dr. Kevin Kavanagh stresses the importance of public disclosure of antibiotic resistant bacteria outbreaks. And how the United States performance is not that much better than what occurred with the coronavirus (COVID-19) outbreak in China. Public comment before the Presidential Advisory Council on Combating Antibiotic Resistant Bacteria. YouTube Video: [https://youtu.be/q\\_hiy2wB1wg](https://youtu.be/q_hiy2wB1wg) [Download Written Comment](#)

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**3. PACCARB, Feb. 26, 2020: Enhanced Precautions for Nursing Homes -- Will they be enough to stop infections?**

Kevin Kavanagh, MD presents public comments regarding enhanced barrier precautions for nursing homes and concerns are raised regarding their effectiveness in preventing spread of dangerous pathogens. The concept of a facility's microbiome being compatible with that of the residents' is discussed. PACCARB. YouTube Video: <https://youtu.be/HIBmIDQvz54> [Download](#) [Written Comment](#)

**4. HICPAC, Mar. 5, 2020.** Kevin Kavanagh, MD, MS public comment to CDC's HICPAC meeting March 5, 2020 regarding: 1. Limiting Older Healthcare Worker Exposure to COVID-19. 2. Concerns Regarding Effectiveness of Enhanced Barrier Precautions In Nursing Homes. YouTube Presentation: <https://youtu.be/dFuSVICEhG8>

**5. HICPAC, Nov. 14, 2019.** Kevin Kavanagh, MD, MS from Health Watch USA<sup>sm</sup> expresses concern regarding the efficacy of enhanced barrier precautions in preventing the spread of dangerous pathogens in nursing homes. Public Comment CDC HICPAC Meeting, Nov. 14, 2019. YouTube Video: <https://youtu.be/Gijk606uY9E> [Download](#) [Written Comment](#)

## Interviews - Infection Control Today

**1. Q&A: 'Arguing' Before the Supreme Court**

When I read the thought process behind the Supreme Court decision, I did not feel it was a church-versus-state decision, more than saying, "Hey, we need to do everything equally." And that's extremely important in infection control. You cannot have some high-risk facilities open and others closed. That's not only not fair, but it also won't control the pandemic. As you know, we've written extensively and talked extensively about control of MRSA [Methicillin-resistant staphylococcus aureus], and how the recommendations between hospitals and nursing homes do not coincide with each other. Infection Control Today. Dec. 1, 2020. <https://www.infectioncontroltoday.com/view/q-a-arguing-before-the-supreme-court> <https://youtu.be/63gjTFdnis>

**2. Healthcare Workers Hit by COVID Need Workers Comp**

*"Kevin Kavanagh, MD. In a wide-ranging discussion, Kavanagh—a member of Infection Control Today®'s Editorial Advisory Board—says that the nation isn't doing nearly enough to help those on the frontlines battling the coronavirus disease 2019 (COVID-19) pandemic. Kavanagh says that "these frontline healthcare workers are putting their lives at risk, and also the lives of their families and loved ones. And they need to be given support; at least proper protective equipment. In my opinion, they should get presumptive workers comp, if they start to develop problems. This is a significant problem." The public isn't taking the disease seriously enough and leaders are not leading." Infection Control Today. Nov. 17, 2020. <https://www.infectioncontroltoday.com/view/healthcare-workers-stricken-by-covid-need-workers-comp>*

**3. COVID Vaccine: What Infection Preventionists Need to Know**

*Kevin Kavanagh, MD: "Infection preventionists will need to make sure that they still have access to adequate PPE, even if the vaccine comes out [and they] really need to look at the experimental group that was used for the EUA." And believe me, if I was a frontline healthcare*

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worker at my age, a vaccine would really have to have a lot of complications and concerns before I would not get it. Now that's just a personal view. Because if it adds any armor to protect me from a highly infectious disease that's very prevalent in our community, that has a high rate of fatality, and even a higher rate of chronic disability, I would opt for that vaccine. *Infection Control Today*. Oct. 30, 2020. <https://youtu.be/ZGhsGRkiNos>

#### **4. Q&A: Are Infection Preventionists Being Misinformed?**

Kevin Kavanagh, MD: "Many of the infection preventionists over the last six months now have more experience than many of the policymakers up in DC, because they've lived it firsthand. And they've seen how COVID-19 can spread. And they're starting to develop a good idea of how to stop it." "There have been a number of statements from the CDC or at least with the CDC label on it, which have been disturbing," Kavanagh tells *ICT*<sup>®</sup>. Some of those disturbing statements can be attributed to the fact that the CDC and the rest of the world didn't quite know what it was dealing with, but not all of them. Kavanagh worries that political pressure may be at work. One of the ways infection preventionists (IPs) can educate themselves is to look at what's being done in other countries, and read the comments under pre-print studies. Also, experience counts, and IPs have now had months of dealing with the coronavirus. *Infection Control Today*. Oct. 9, 2020. <https://youtu.be/TbXait9SRN4>

#### **5. Infection Preventionists Needed at Schools**

Kevin Kavanagh, MD, from *Health Watch USA*<sup>sm</sup> sits down with *Infection Control Today*<sup>®</sup> to discuss the myriad of challenges involved in making our schools safe for children to protect them not only from COVID-19, but many other dangerous pathogens, as well. Discussed is the need for better air filtration and sensitization, along with 6 to 8 complete air exchanges per hour. In addition, podding & testing of students, wearing masks, hand hygiene and social distancing are imperatives to open schools safely. *Infection Control Today*. Sept. 10, 2020. Transcript: <https://youtu.be/vhMAM5zjlgE> YouTube Video: [https://youtu.be/qq\\_zZlaxCT4](https://youtu.be/qq_zZlaxCT4)

#### **6. COVID-19: Seasonal Flu and COVID-19 a Dud or Devastation It is Up To You**

Kevin T. Kavanagh, MD, MS, *Infection Control Today* Editorial Board Member discusses the dangers of simultaneous occurrence of COVID-19 and the flu epidemics. The seasonal flu has all but disappeared in much of the Southern Hemisphere underscoring the importance of wearing masks, social distancing and hand hygiene. Although, still very important, the lack of samples may make the flu vaccine more problematic than in previous years. Also, discussed are topics of lasting immunity to COVID-19, the false narrative of Herd Immunity and organized social media misinformation. Frank Diamond, Editor - *Infection Control Today*. Aug. 18, 2020. <https://youtu.be/NUKCCPEoHzA>

- Link to related ICT article: <https://www.infectioncontroltoday.com/view/the-2020-flu-dud-or-devastation-it-is-up-to-you>
- Download Slides and References: <http://www.healthwatchusa.org/HWUSA-Presentations-Community/PDF-Downloads/20200818-Flu-Southeast-Asia-Handout.pdf>

#### **7. COVID-19: The Need For A National Tracking System Of Dangerous Pathogens**

Dr. Kevin Kavanagh from *Health Watch USA*<sup>sm</sup> discusses the need for a national tracking system for dangerous pathogens and how the recent reassignment of tracking from the CDC to the Department of Health and Human Services is ill timed and it would have been preferable to

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improve the CDC's NHSN reporting system. Infection Control Today. July 28, 2020, <https://youtu.be/wMpk7KOPDTI>

#### **8. COVID-19: Experience in Other Countries.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the 2019 COVID-19 International Webinar which was organized with the Massachusetts Nurses Association. Most nations underestimated the lethality and infectivity of SARS-CoV-2. As more knowledge was gained public health guidance in various countries changed and their public changed their behavior. In the United States the changing narrative created mistrust and the public did not follow guidance. Internationally two main strategies emerged: The first strategy was a hard close down of the economy and when cases bottomed out, aggressive case tracking was started. The second strategy was universal use of masks. Case definitions differ widely between countries and the best comparison can be made using the rate of excess deaths as calculated by comparing historical death rates with the current observed death rates. Preparation was also key to confronting the pandemic. Singapore had a stockpile of three N-95 masks per resident of the country and had an operational cellphone tracking system for case tracking. The advantage of a universal healthcare system was also evident when an outbreak in migrant workers spread to other segments in the society and caused another wave in the nation. COVID-19 Videos from Infectious disease experts from The Netherlands, Singapore and Spain can be viewed at [www.healthconference.org](http://www.healthconference.org) . Infection Control Today. July 27, 2020. <https://youtu.be/XvNsTdV26t0>

#### **9. COVID-19: The Perfect Storm - The History of the Ineffective Disease Policy**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> traces the history of the ineffective infectious disease policy regarding the USA's attempt to stop the Sars-CoV-2 pandemic. A historical perspective is given, covering President George Bush's 2005 proposal of the Pandemic and All-Hazards Preparedness Act to the disastrous second peak of the first wave which was associated with continued supply disruptions, lack of testing and an uncoordinated Federal Response. (23:05) Question period discussed hydroxychloroquine's efficacy and inter-country infection rate comparisons. (Last 6 mins) Health Watch USA & the Massachusetts Nursing Association 2020 COVID-19 Conference. July 15, 2020. <https://youtu.be/L7qShgRSLIU>

#### **10. Q&A: Pool Testing Might Be Needed to Slow COVID's Spread**

Kevin Kavanagh, MD, the founder of Health Watch USA<sup>sm</sup>, has been sounding the alarm about coronavirus disease 2019 (COVID-19) for the beginning. He tells Infection Control Today that it might be time for pool or community testing. Infection Control Today. July 3, 2020. ICT: <https://youtu.be/kzhY962Nit8>

#### **11. COVID-19: Importance of the Public Wearing Masks**

Dr Kavanagh from Health Watch USA<sup>sm</sup> discusses the importance of the public wearing masks and how the economy should safely reopen. He stresses the difficulties in opening tattoo parlors, hair salons gyms and indoor dining. He also discusses the importance of Infection Preventionists and new CMS regulations. <https://youtu.be/vR3LWsnXS08>

#### **12. Q & A: Reopening After COVID-19 Needs to be Done Carefully**

Kevin Kavanagh, MD, the board chairman of the patient advocacy group Health Watch USA<sup>sm</sup>, talks to Infection Control Today about the perils of reopening too quickly and the value of cloth masks. Infection Control Today. May 28, 2020. ICT: <https://youtu.be/-3p23E2qBbo>

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**13. COVID-19 Dangers of Opening the Economy too quickly.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses how the economy should be reopened. The virus is very dangerous, more contagious and more lethal than the flu. Deaths are mounting and many patients may have lasting disability. The key to opening our economy is making the workers and consumers safe. Workers are concerned regarding returning to their jobs, they need safety equipment, PPE, and all must wear masks. Cutting off all benefits is setting the stage of social unrest. A start would be to enact universal healthcare. Infection Control Today. May 6, 2020. <https://youtu.be/v1JXL9CDBHA>

**14. How do we find reliable information? Infection Control Today**

Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses COVID-19 and how to identify reliable information. The speed to publish, retrospective studies and industrial biases muddies study results as we need the answers immediately in a dangerous progressing epidemic. The hydroxychloroquine is used as an example of misinformation which has been all but disproven in subsequent research studies. Recommendations are based upon data available and will change as recommendations will change as data improves. Infection Control Today. May 1, 2020. <https://youtu.be/N7gNMFhAMn8>

**15. Importance of Masks for the Public & PPE for Healthcare Workers -- Infection Control Today**

Kevin Kavanagh, MD from Health Watch USA<sup>sm</sup> which discusses with Infection Control Today's Editor Frank Diamond the need and importance of the public having access to masks and the importance of personal protective equipment for healthcare workers. Infection Control Today. March 31, 2020. (16:00) <https://youtu.be/DTH9EGIVS4Q>

## **Interviews - Lex 18, Critical Connections, Ron Crider**

**1. COVID 19 Answers Dec 28 Dr Kevin Kavanagh Ron Crider**

Dr. Kevin Kavanagh answers the most important questions relating to the COVID-19 Pandemic. Kevin Kavanagh is founder and Board Chairman of Health Watch USA<sup>sm</sup>, a non-profit patient advocacy and healthcare policy research organization. Dr. Kavanagh has been an Associate Editor for the Journal of Patient Safety since July 2014, and is a member of the Editorial Board of Infection Control Today.

Dr. Kavanagh discusses a wide range of subjects from the implications of the newly reported viral mutations, how the new vaccines were developed, safe food handling, how to stay safe and slow down the spread of the virus, and long-term complications of the virus including heart damage (myocarditis) along with long hauler syndrome. <https://youtu.be/CD824wCyrVM>

**2. Founder of Health Watch USA: Kentucky should consider shutting bars**

"We still have our heads in the sand, thinking 'It won't happen here in Kentucky, we need to go on just living as we always have,'" said Dr. Kevin Kavanagh, the founder and board chairman of Health Watch USA<sup>sm</sup>, a non-profit patient advocacy and healthcare policy research organization. "And that's anything but the truth."

Dr. Kavanagh is growing increasingly worried that the pleas for people to wear masks are falling on deaf ears.

"I mean, if they're not wearing masks in the grocery store, they're probably not going to wear them in a bar where they're trying to drink at the same time," Dr. Kavanagh said. Citing research that shows daily growth in infections would be significantly reduced if 80% of the

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population wears masks. Dr. Kavanagh suggested the federal government issue a stronger directive on masks.

"If you have a huge outbreak, you can have governors take the lead in putting out fires," Dr. Kavanagh said. "But to prevent spread between states, the virus knows no geographic boundaries. You need to have a national coherent policy." Lex 18 News. July 2, 2020.

<https://www.lex18.com/news/coronavirus/founder-of-healthcare-org-beshear-should-consider-shutting-bars>

### 3. *Protecting Our Protectors: A conversation with RN Chris Pontus and Dr. Kevin Kavanagh.*

**Wednesday, April 1, 2020 7:00 PM 8:30 PM** <https://www.criticalconnections.org/covid-events/2020/4/1/protecting-our-protectors-a-conversation-with-rn-chris-pontus-and-dr-kevin-kavanagh>

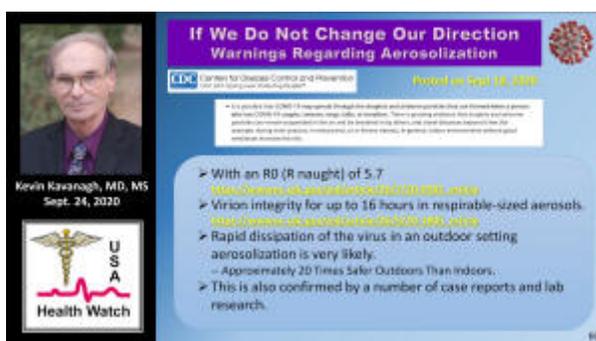
## Public Educational Presentations



**COVID-19 The Need for the Public To Embrace Public Health Strategies** Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses reasons why the public has not embraced public health guidance. They include, overstatement of treatment efficacy, mixed messaging regarding the use of masks, testing for asymptomatic carriers and aerosolization of COVID-19. In addition, false narratives (that herd immunity can be achieved with few deaths, COVID-19 is no

deadlier than the flu and children do not become sick) are discussed. Finally, ways of retorting misinformation with examples given regarding the effectiveness of the Zelenko Protocol and use of facial masks. Nov. 12, 2020. Kentucky Rural Health Association. YouTube

Video: <https://youtu.be/G7OUYGWaatA>



### **COVID 19: Tracing the History of Ineffective Infectious Disease Policy**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> updates his previous lecture which traces the history of the United States' response to the COVID-19 epidemic. A historical perspective is given, covering President George Bush's 2005 proposal of the Pandemic and All-Hazards Preparedness Act to the disastrous second peak of the first wave with continued shortages of

medical supplies and the changing federal advisements on asymptomatic spread, viral aerosolization and use of masks. Treatments are reviewed along with overstatements of efficacy. Finally, vaccines are discussed along with the review process and distribution barriers. Kentucky Association for Healthcare Quality. Sept. 29, 2020. [Download Presentation Slides](#)

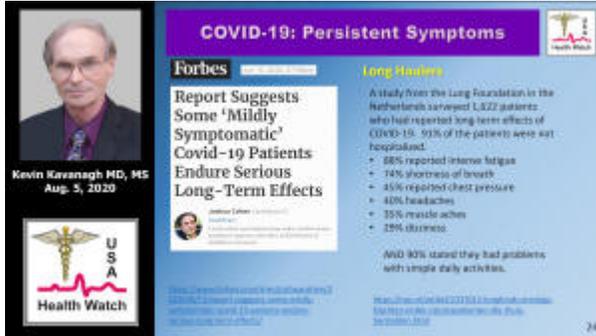
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YouTube Video: <https://youtu.be/xA7pR2bDAes>

AHEC Continuing Education Presentation. Sept. 28, 2020: <https://youtu.be/E6wZoBTvWCE>

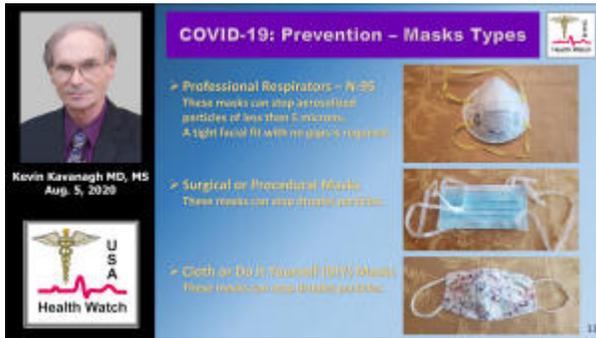
**COVID-19 AHEC Continuing Education on Characteristics, Survival, Spread and Opening Schools:** <https://youtu.be/Y4p6C0mORiM>



**COVID-19 Characteristics of the Virus, Symptoms & Long-Term Disability.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the characteristics of the SARS-CoV-2 virus along with the body's immune response and dwindling prospects for herd immunity. Characteristics of COVID-19 along with protracted recovery and disability is also discussed. Aug. 5, 2020. [Download Presentation Slides](#)

View Video: <https://youtu.be/HN9irgJaMb4>

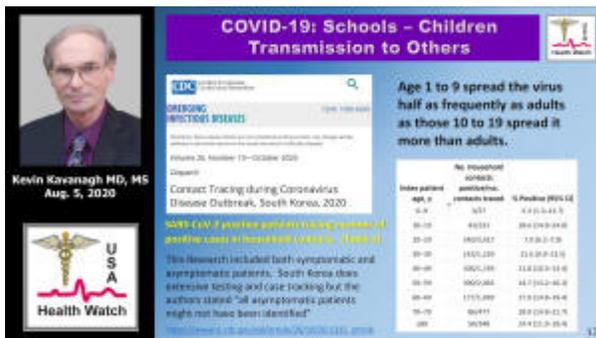


**COVID-19: Survivability And The Prevention of Spread.**

Dr. Kevin Kavanagh discusses the survivability of SARS-CoV-2 (COVID-19 Virus) in the environment (surfaces, sunlight, humidity, heat) and with different types of hand sanitizers. He also describes research behind the use of masks, eye protection and social distancing along with data indicating the virus may be airborne or aerosolized more

commonly than thought. Finally, risks and mitigating strategies are described in various retail and community venues. Aug. 5, 2020. [Download Presentation Slides](#)

View Video: <https://youtu.be/XVSxV4MWgfc>



**COVID-19: Presentation Regarding Children and When To Open Schools.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the various presentations of COVID-19 in children, and the risk of childhood transmission to and infections of adults. Current guidance on opening of schools along with international experience on school openings is also discussed. Aug. 5, 2020. [Download Presentation Slides](#) [Key](#)

[References \(Opening Schools\)](#) [Related Infection Control Today Article](#)

View Video: <https://youtu.be/bH2znWXMAdu>

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## Newspaper Articles Featuring Health Watch USA

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## Jack Pattie Radio Show

### **121. 2020, Dec 30. COVID-19: Public Health Departments Need To Double Staff to Just Tread Water**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the the expected increase in cases caused by the new mutant virus and New Year Day's celebrations. It is unlikely that the virus will evade the vaccine but the lethality of the pandemic will greatly increase if the virus spreads more easily, which unfortunately is being promoted both by mutations and human behavior. This underscores the need for an increase in vaccinations, but the planning touted earlier this year with the program "warp speed" appears to be severely lacking. Health departments do not have nearly enough staff as it is and will have to double the amount of staff with in 3 to 4 weeks to accommodate giving the second dose of the vaccine. Vaccinations are imperative, with the increased infectivity of this new variant, the bar has been raised for obtaining herd immunity. One is probably looking at greater than 80 to 85 percent of the population will need to be immune before achieving herd immunity. <https://youtu.be/n7XjelJG370>

### **120. 2020, Dec. 30. COVID-19: Congressman-Elect Dies - California Virus Surges.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the New Year's Holiday and the resultant surge which is expected to happen. This will occur as several states are already being overrun with the coronavirus. Hospitals in Southern and Central California are not able to provide care, resulting in ambulances are being turned away. To compound matters, the new more infectious strain from the United Kingdom has appeared in Colorado. The United States needs a much expanded organized system for detecting genetic mutations and emergence of new strains. In addition, there needs to be better protection of our leaders, Congressman-elect Luke Letlow died of COVID-19. He was 41 with no pre-existing conditions. Jack Pattie Show. WVLK AM 590. (6:10) <https://youtu.be/RmuGai1vOyo>

### **119. 2020, Dec. 28: COVID-19: Herd Immunity Bar Raised - Myocarditis, New Mutations & Travel Bans**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the implications of Dr. Fauci raising the bar for the obtainment of Herd Immunity with vaccinations. This will be hard to achieve and underscores

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the need for travel bans to slow down the spread of the new mutations in England and South Africa. We need to buy time, since it is a race between getting COVID and getting the vaccine. In addition, he discusses the implications of the recent illness of Keyontae Johnson, who developed myocarditis (heart inflammation) after having COVID-19. This underscores the importance of earlier reports involving OSU college athletes where 15% of those with a positive COVID test had acute myocarditis. This virus can cause long-term sequella in the young and we need to respect it and stop its spread until we can receive the vaccine. Jack Pattie Show. WVLK AM 590. (5:27) <https://youtu.be/Wm4clOLWPxl>

**118. 2020, Dec. 21: COVID-19: The UK Mutation**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the implications of the new mutation which is spreading in the United Kingdom. The new virus appears to be 70% more infectious but it is not thought to be resistant to the vaccines. Resistance would require a mutation in the spike protein which could invade the myriad of antibodies the body produces but still attach to the Ace II receptor. This is hard, but not impossible to do. Jack Patie Show. WVLK AM. 590. (6:23) <https://youtu.be/EhdBiMtw2P0>

This type of mutation has happened before with the D614G mutation which infected the United States and was discussed in a recent Lexington Herald Leader OpEd. <https://www.kentucky.com/opinion/op-ed/article247262694.html>

This mutation does however sound a warning that we must slow the spread of the virus. If the United States did as well as Australia we would have 12 to 13 thousand deaths instead of over 300,000. An excellent video on the strategies used in Australia is presented by Dr. Imogen Mitchell from the ANU Medical School, located in Canberra, Australia. <https://youtu.be/gtMo4SleRjQ>

**117. 2020, Dec. 18: COVID-19: Vaccine Safety and the CDC's V-Safe Monitoring System**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the advantages of mRNA vaccines and the expected safety benefits afforded by this technology. Both Moderna and Pfizer/BioNTech vaccines are mRNA. This technology allows rapid development of vaccines and also elicits a highly specific immunological response which would be expected to increase vaccine safety. Jack Pattie Show with Scott Johnson. WVLK AM 590. (19:08) <https://youtu.be/OEHnmRhQwyo>

**116. 2020, Dec. 16: COVID-19: New Zealand Virus Free**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses how New Zealand and Australia have controlled this pandemic by the public following public health strategies. In the United States, public health officials are being threatened and in Kentucky there has been a loss of almost 50% of public health staffing. These frontline workers are heroes and need to be supported. Jack Pattie Show. WVLK AM 590. (6:16) <https://youtu.be/wa8NuaimFs>

**115. 2020, Dec. 14: COVID-19: Snow Leopards With COVID**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the new vaccines along with the three Snow Leopards in the Louisville Zoo who contracted COVID-19. In addition, cases are also spiking in Europe with Germany closing down schools. And the urging of Dr. Fauci to have the "default" position to open schools. This means to open schools when it is safe to do so. Jack Pattie Show. WVLK AM 590. Dec. 124, 2020. (5:22) <https://youtu.be/R8ltyS7nhrl>

**114. 2020, Dec. 11: COVID-19: Kentucky Reopens - While other States Close.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the policy of reopening of Kentucky's

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restaurants, bars and gyms while at one of the highest points in the pandemic. Other issues discussed are how the new technology of mRNA vaccines has resulted in rapid development of the COVID-19 vaccine and how rising cases are not due to increase in testing but are highly predictive of ICU bed utilization and deaths to come. Finally, the utility of masks to make you safer was discussed. Jack Pattie Show. WVLC AM 590. Jack Pattie Show. (18:02) <https://youtu.be/IGBIM-j7PPc>

### **113. 2020, Dec. 9: COVID-10: Vaccine Shortage?**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the efficacy and availability of vaccines. In Kentucky, there is a vaccine shortage with only about 110,000 doses which will vaccinate 55,000 individuals. Nationally, I was hoping for 50 to 100 million doses by the end of the year. But we only have 10 to 15% of this available. It will take almost 50 million doses to vaccinate the 21 million front-line healthcare workers and 3 million nursing home residents. So far there have been no serious reactions reported by the vaccine, mainly headache, fever and muscle aches, being more prevalent in younger individuals. Jack Pattie Show. WVLC AM 590. (4:45) <https://youtu.be/rFUWRT7KOs8>

### **112. 2020, Dec. 7: COVID-19: New Advisement For the Surge**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the new recommendations for staying safer during the surge. They include always wearing masks when indoors, postponing travel, avoiding crowded outdoor settings and increased room ventilation and air sensitization. The cloudy, cold, low humidity winter weather does not kill the virus as effectively as in the summer. One needs to wear a mask when walking dogs or jogging outdoors if you are likely to pass by others. In addition, the vaccines are coming, but so far, too few too late, frontline healthcare workers and nursing home residents have the highest priority. But vaccines do not prevent deaths and disability, vaccinations do, it is of utmost importance that we all get the vaccine. Jack Pattie Show. WVLC AM 590. (6:06) <https://youtu.be/Rxq3xc-oJKY>

### **111. 2020, Dec. 4: COVID-19: Is there really disagreement on when to open schools? Who should be vaccinated first?**

Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses opening schools. Public health officials state it is safe to open, teachers and others say unsafe? Actually, they both agree. Schools can open if there is testing, small bubbles, upgraded safe ventilation and proper sanitization available. Also, discussed was the false hope of Hydroxychloroquine and its possible adverse effects on an inflamed COVID heart. Misinformation regarding the number of deaths from COVID-19. And finally, who should get the vaccine first? How is it decided? Should the anti-maskers and those who promote indoor activities where people congregate be relegated to the end of the line? Finally, how come the vaccine is more effective than the flu vaccine? Jack Pattie Show. WVLC AM 590. (18:03) <https://youtu.be/aXjJ-YxJzV4>

### **110. 2020, Dec. 2: COVID-19: Restaurants Back a Petition to Open Dec. 14, No Matter What**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the initiative to ignore public health advice and place lives at risk by opening restaurants on Dec. 14th. In addition, who will be able to be vaccinated first is discussed along with the CDC's Advisory Committee on Immunization Practices have stressed saving lives over preventing spread. The vaccine has been shown to be highly effective in the elderly, but data on preventing spread is still not available. Jack Pattie Show. WVLC 590. (5:11). <https://youtu.be/xcX-cgbwkDA>

### **109. 2020, Nov. 30: COVID-19: Roman Catholic Preparedness Response**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the recent lawsuits filed by various church organizations and that the remediation should be the closing of other unsafe venues rather than

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opening of church services/schools during a severe pandemic surge. He also discusses the 2019 Roman Catholic Churches Pandemic Response plan as published in the Nov.-Dec. issue of Health Progress. In addition, suggestions on preventing a Post Thanksgiving Surge are discussed. Jack Pattie Show. Nov. 30. 2020. (4:55) <https://youtu.be/00J60gY1GUc>  
*Reference: Pandemic readiness: a plan for Catholic parishes. With teamwork, health care and preparation, parish leaders can reduce a pandemic's effects. Health Prog. Nov-Dec 2009;90(6):68-75. <https://pubmed.ncbi.nlm.nih.gov/19938436/>*

**108. 2020, Nov. 27: COVID-19: SCOTUS Strikes Down Church Mandates - Is it good public health policy?**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the Federal and Supreme Court rulings which struck down church mandates and explains that the discussion appears not be one of the power of government over churches but one which demands consistent uniform COVID-19 control strategies. In New York City, bars and restaurants are open but churches closed. In Kentucky, college sporting events are playing but church schools are closed. All of this causes confusion with the public. This ruling may lead to a national strategy which is pathogen not venue based and one not influenced by political or economic pressures. In addition new research on masks was discussed along with errors in the AstraZeneca/Oxford Vaccine Trial. Finally, exposure risks and how masks and goggles may provide some protection. Jack Pattie Show. (22:18) [https://youtu.be/ank4\\_feUP9g](https://youtu.be/ank4_feUP9g)

**107. 2020, Nov. 25: COVID-19: Meaning of a Negative COVID-19 Test**

Kevin Kavanagh from Health Watch USA<sup>sm</sup> explains why a negative COVID-19 test does not mean you do not have COVID-19. The problem arises because of the very long incubation period of the virus. Thus, do not rely on this for Thanksgiving. In addition, he discusses the dangers of indoor dining during the current surge. And the dangers created by the University of Kentucky closing 5 of its operating rooms. Jack Pattie Show. Nov. 25, 2020. (4:43) [https://youtu.be/rNz2DESV\\_20](https://youtu.be/rNz2DESV_20)

**106. 2020, Nov. 23: COVID-19: Thanksgiving Dangers & New Vaccines**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the new vaccines from Pfizer, Moderna and now one from AstraZeneca/Oxford. The AstraZeneca vaccine can be stored in the refrigerator and is 70% effective, making it a candidate for remote distribution. Finally, the dangers of Thanksgiving are discussed. This is not a good year to be getting together with the family. Jack Pattie Show. WVLK AM 590. Nov. 23, 2020. (5:09)  
<https://youtu.be/PC7YrfXRnT8>

**105. 2020, Nov. 20: Public Health Strategies and a Bridge to a Vaccine.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the encouraging data from the new vaccines and all indications are they will be effective in the elderly and prevent severe COVID-19 illnesses. Until the vaccines are available we need to use Public Health Strategies. This includes the closure of indoor dining and bars. Sports venues are also problematic and should also be curtailed during this severe surge. Also, the importance of proper ventilation is discussed. Jack Pattie Show. WVLK AM 590. (18:23) <https://youtu.be/sDsf8REidHY>

**104. 2020, Nov. 18: COVID-19: Targeted Shutdown & New Vaccines**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the new vaccines and the excellent initial data which is being reported. In addition, we all must follow public health advice to bridge us to the release of vaccines. Comments by Dr. Scott Atlas are contrary to what is needed to mitigate disease in the public while a vaccine is just around the corner. Targeted shutdowns are also needed in areas where the disease is outstripping healthcare resources. Jack Pattie Show. Nov. 18, 2020. WVLK AM

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590. (4:57) <https://youtu.be/HtOcZSpP3oA>

**103. 2020, Nov. 17: 102. COVID-19: Hospital Strategies & The Public Wearing Goggles Plus Masks**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the importance of healthcare staff wearing masks properly. They should not use ones with valves or wear them under their nose. In addition, chairs should not only be placed 6 feet from each other but also 6 feet from walking lanes. Chairs should not be next to doors. Staff flow is important. Wandering and gathering should be minimized, any staff-to-staff contact is a potential transmission. The public also has to start wearing masks. In Rural Kentucky, they are not wearing these in retail establishments. Despite this, false information, including stated by one of the callers, is given that there is a 99% mask compliance in Kentucky and, thus masks do not work. The importance of wearing goggles was also stressed as in agreement with Dr. Fauci and Consumer Union. Wearing masks and goggles is especially important if one must go into a retail store during this surge. In addition, during this surge it is best to order online and get delivery or curbside pick-up. Jack Pattie Show. WVLK. AM 590 (14:32) <https://youtu.be/tdLKx9k7oYY>

**2020, Nov. 11: COVID-19: Monoclonal Antibodies**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses Eli Lilly's monoclonal antibody treatment which has just received an emergency use authorization (EUA) from the FDA. Initial reports are encouraging with a 72% reduction in hospitalizations and ER visits. Jack Pattie Show. (3:34) <https://youtu.be/59fGRUy08Vg>

**101. 2020, Nov. 9: COVID-19: Vaccine 90% Effective - Virus Mutating**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the new Pfizer Vaccine which is reported to be 90% effective in preventing COVID-19 (prevention of deaths was not an endpoint). This underscores the necessity to follow public health advice so the virus does not spread further and mutate. Mutation of the virus became even more of a concern with the report from Denmark of a mutant strain in minks which appears to be vaccine resistant and it has jumped back to a few humans. The outbreak is contained and 17 million minks were culled. There are also reports of up to 10 laboratory made SARS-CoV-2 mutations which may also be monoclonal antibody resistant. Jack Pattie Show. WVLK AM 590.(6:21) <https://youtu.be/4CA2UlijJVA>

*References:*

- 1) <https://en.mfvn.dk/news/news/nyhed/covid-19-all-mink-in-denmark-must-be-culled/>
- 2) <https://www.statnews.com/2020/11/05/spread-of-mutated-coronavirus-in-danish-mink-hits-all-the-scary-buttons-but-fears-may-be-overblown/>
- 3) <https://www.nature.com/articles/s41392-020-00302-8>

**100. 2020, Nov. 6: COVID-19: Election Group Think & Transforming our Society**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses how COVID-19 affected election dynamics and early voting. The election results from Minnesota and Michigan may have been affected by COVID-19. In addition, one party, probably out of concern with COVID-19, mostly using mail-in ballots also created wide swings in the reported results. Healthcare workers also need greater protections and presumptive workers' compensation for COVID-19. In addition, there are risks of healthcare workers bringing COVID-19 home to their families is discussed, with transmission to family members occurring in 50% of COVID positive workers. The effect of COVID-19 on permanently transforming our retail and educational systems is also discussed. Jack Pattie Show. WVLK AM 590 (12:38). [https://youtu.be/Hx7Thiu1\\_Yc](https://youtu.be/Hx7Thiu1_Yc)

**99. 2020, Nov 4: COVID-19: Collateral Damage From Hospital & ICU Beds Filling**

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Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses Memory T Cells and the danger of collateral damage from COVID-19 if hospital and ICU beds fill. In addition, the importance of measuring excess deaths as a means of determining the impact of COVID-19 is stressed. Jack Pattie Show. WVLK 590 AM. (5:23) <https://youtu.be/W-0AFvBq7tU>

**98. 2020, Nov. 2: COVID-19: Really, Doctors Being Paid To Falsely Diagnosis COVID???**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the false assertion that doctors are being paid to falsely diagnosis COVID-19. In addition, he stresses that COVID-19 is as much a heart disease as a lung disease. New studies show frequent heart involvement with over 62% of patients having elevation in cardiac enzymes. Finally, unlike those who have stated otherwise, COVID-19 will not go away after the election and lockdowns are problematic in the United States since there is not a national plan to take advantage of the pause in viral spread. Jack Pattie Show. WVLK AM 590. (5:09) <https://youtu.be/a2yYtIXRt5k>

**97. 2020, Oct. 30: COVID-19: The Importance of Wearing Masks**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the importance of wearing masks to protect others if you are an asymptomatic carrier. Masks will also give you some protection by reducing the chances of infection by almost sixfold. But they are not nearly protective enough to stop social distancing. Also discussed are the recent excellent results of Regeneron's monoclonal antibody treatment, a new analysis indicating that spread from objects (such as groceries and mail) may not be as common as thought, and the abundant and clean airflow on airplanes makes them safer than the public perceives. Jack Pattie Show. Oct. 30, 2020. WVLK AM 590. (12:14) <https://youtu.be/aEoiJOaMJmY>

**96. 2020, Oct. 28: COVID-19: Case Fatality Rate of 1.39% With Cases Rising**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses recent studies showing the Case Fatality Rate of COVID-19 to be 1.39%. This does not include undiagnosed asymptomatic carriers. A sixth study now indicates antibodies are rapidly falling in those with mild or asymptomatic infections. Thus, the true lethality of this virus, is a combination of its case fatality rate and infectivity with future reinfections being a grave concern. Jack Pattie Show. Oct. 28, 2020. (3:47) <https://youtu.be/ZckEcj6p2W8>

**95. 2020, Oct. 26: COVID-19: Vice Presidential Outbreak**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses spiking COVID-19 cases to the highest level in the pandemic, along with the importance of wearing masks and social distancing to stop the pandemic. In addition, our leaders need to also wear masks and send a signal through their actions that masks and social distancing are of vital importance. Jack Pattie Show. WVLK AM 590. (3:59) <https://youtu.be/b4-hYL9Rbw>

**94. 2020, Oct. 23: COVID-19: The Second Presidential Debate & Vaccine Efficacy**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> comments on the COVID-19 policies which were discussed during the second presidential debate. Schools need proper ventilation, abundant testing, social distancing and keeping students in pods. Our economy needs to open safely with support given to businesses. Vaccines were also discussed and current FDA guidelines for Emergency Use Authorization seems to be more applicable to safety than effectiveness. Effectiveness is not being measured on the prevention of hospitalizations and deaths. The CDC has determined that between February and Oct. 3, there were 300,000 excess deaths in the United States. All of this emphasizes the need to embrace public health strategies of wearing masks, social distancing and hand hygiene. Jack Pattie Show. WVLK AM 590. (13:20) <https://youtu.be/zeXxKMqkxK4>

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**93. 2020, Oct. 21: COVID-19: Vaccine Challenge Trials - Masks & Viral Load**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the rising number of cases and deaths of COVID-19. He stress that case fatality rates are dropping due to better treatments, a younger population which is infected, and the use of masks. Mask use may decrease the initial viral load which may result in a less severe disease. In addition, Dr. Kavanagh discusses the ethics and effectiveness of challenge trials. Jack Pattie Show. WVLK AM 590. (5:00) [https://youtu.be/WB-6nhDr\\_Ow](https://youtu.be/WB-6nhDr_Ow)

**92. 2020, Oct. 19: COVID-19: A Virtual Thanksgiving, Several Treatments Falling Flat**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the wisdom of a virtual Thanksgiving during the current surge of COVID-19. In addition, recent studies have provided disappointing results for the antiviral drug Remdesivir, along with reaffirming that hydroxychloroquine is also not effective. Both Gov. Chris Christie and President Trump received Remdesivir. They also received monoclonal antibodies which have shown very promising results. Finally, it was stressed that the current PCR tests are accurate, but at 1 million tests a day, testing errors will occur. The rapid tests are less accurate and are mainly used for screening. Jack Pattie Show. Oct. 19, 2020. WVLK AM 590. (4:16) <https://youtu.be/fl1G1G87mUQ>

**91. 2020, Oct. 26: COVID-19: The Importance of Wearing Masks**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the importance of masks and retorts anti-maskers. Jack Pattie Show. WVLK AM 590 <https://youtu.be/PXeFTMzikA>

**90. 2020, Oct. 12: COVID-19: The False Narrative of Herd Immunity Being Promoted Again (The Not So Great Declaration)**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the False Narrative of Herd Immunity. He stresses that cases have rebounded in California along with New York City and Sweden. One cannot protect those at risk since about a third of the population falls into this category and we live in multi-generational households. Finally, the economy is transforming and companies have announced working at home will become the new norm for many employees. Production is up and so is customer satisfaction. Also, discussed is the KY Governor going into quarantine and the necessity of scientists to stay nonpolitical. Jack Pattie Show. WVLK AM 590. <https://youtu.be/7bNAzRuX7J0>

**89. 2020, Oct. 8: COVID-19: Rising Hospitalizations and Rapid Tests**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses lapses in COVID-19 safety at the White House, including the overdependence on rapid testing and security personnel wearing N95 masks with exhalation valves. In addition, emphasis was placed on Senator McConnell's correct messaging regarding masks and social distancing. We need to learn to live with this virus and open businesses safely with attention to infrastructure and airflow/sanitation. New treatments are just around the corner and we need to flatten the curve until these arrive. So, stay safe, especially if you are at high risk for a severe infection. Jack Pattie Show. WVLK AM 590. <https://youtu.be/DkFPaNVozY>

**88. 2020, Oct. 7: COVID-19: The CDC Affirms Aerosolization**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> gives an update regarding President Trumps' status and the Rose Garden superspreader event. In addition, he discusses the new CDC guidance regarding viral aerosolization and the implications this has on the opening of schools. Schools need to require masks and social distancing, along with upgrading their ventilation systems to have at least 6 to 10 complete air exchanges per hour along with air sanitation. Finally, COVID-19 vasculitis is discussed and how the disease affects every organ of the body. Jack Pattie Show. <https://youtu.be/bD8UqFPj7TI>

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**87. 2020, Oct. 5: COVID-19: President Trump Very Sick and Making Bad Decisions**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the implications of being given dexamethasone (a steroid) in severe COVID-19; on its ability to mask symptoms and at the same time produce mental dysfunction in the patient. He also stresses that remdesivir has had mediocre results in recent studies. The administration of monoclonal antibodies was a wise move, but they have to be given early enough to be effective. Jack Pattie Show. WVLK AM

590. <https://youtu.be/O6kU2apARqQ>

**86. 2020, Oct. 2: COVID-19: President Trump Tests Positive**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the implications of President Trump testing positive for the coronavirus. He also discusses trick-or-treating, testing and how to live safer during the coronavirus pandemic. Jack Pattie Show. <https://youtu.be/gBTYTkNcuG4>

**85. 2020, Sept. 30: COVID-19: Presidential Debates - No Wonder, We Can't Control The Pandemic**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the Presidential 'Debate' (if you could call it that) as it relates to COVID-19. What needed to be stressed was the opening of the economy safely, with PPE, social distancing and healthy buildings. Special attention needs to be placed on schools, similar to the attention given to professional athletes. College athletes should not rush back on the field until we know more about COVID-19 effects on the heart in young athletes. Jack Pattie Show. WVLK AM 590. <https://youtu.be/AUQNibr14fA>

**84. 2020, Sept. 28: COVID-19: CDC Halloween Regulations -- It's Airborne**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the new CDC recommendations on Halloween and what they mean for other similar activities in our daily lives. Aerosole spread is described and outdoor activities with social distancing and masks are still referred to as "Moderate Risk". These recommendations should also apply to similar outdoor venues such as protests, political rallies, funerals and demonstrations. Indoors this is even more dangerous. Schools need to pay attention to their ventilation both with ample complete air exchanges and sanitation. Jack Pattie Show. [https://youtu.be/YJkwpn37\\_ck](https://youtu.be/YJkwpn37_ck)

**83. 2020, Sept 25: COVID-19: Fauci vs. Senator Paul & Problematic Vaccines**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the disagreement between Dr. Fauci and Senator Paul. He agrees with Dr. Fauci on most points, but agrees with Dr. Paul that the United States' response is among the worst in the world. New vaccines were also discussed with hopes being placed on the Johnson & Johnson vaccine. The Pfizer-BioNTech vaccine has significant barriers to distribution, especially in disparate populations because of its requirements for very cold temperatures. In addition, antibiotic resistant bacteria is still around and MRSA is the most common drug resistant bacteria affecting COVID-19 patients. A call for a national mandatory reporting system for all dangerous pathogens is made. Such a system should be publicly available and in real time. Finally, there is reason to believe wearing masks may decrease the viral load someone is exposed to and thus, they may develop a milder infection. Jack Pattie Show. WVLK AM 590.

<https://youtu.be/5jBbDVmTs3c>

**82. 2020, Sept. 23, COVID-19: Masks N95 Vs. KN95s Which are Better ?**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the ever changing stances on the CDC and their back tracking on aerosolization. Dr. Kavanagh stresses that there are ample case studies and research which point to aerosolization. Even the fact that it is 20 times safer outdoors than indoors supports aerosolization of the virus. Dr. Kavanagh also discusses the difference between N95 and KN95 masks and that KN95s will not be as effective in stopping an aerosolized virus. Jack Pattie Show.

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WVLK AM 590. <https://youtu.be/OvEa14wNHBY>

**81. 2020, Sept. 21: COVID-19: CDC: It's Airborne & Healthy Buildings.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the importance of the CDC's announcement that the virus is airborne and that social distancing, wearing of N95 masks need to be done by all. Schools need to upgrade their infrastructure paying particular attention to air flow and quality. Air should be completely recycled/refreshed and sterilized every 10 mins in normal conditions, but more frequent during a pandemic. We need to do more testing of students and to use masks plus social distancing. Jack Pattie Show. WVLK AM 590. (5:30). <https://youtu.be/7u5wQx3vz34>

**80. 2020, Sept. 18: COVID-19: Vaccines, Aerosolization, Restaurants and Masks**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the safety and availability of the new Pfizer-BioNTech vaccine. To judge safety and efficacy one may wish to listen in on the FDA vaccine committee on Oct.22, 2020 and since this is produced jointly by USA and Germany, there will also be approvals by the country of Germany and the European Union. In addition, the problem of aerosolization of the virus with it living in the air for 16 hours is discussed and what this means for nursing homes, restaurants and schools. Jack Pattie Show. WVLK AM 590. (13:35) <https://youtu.be/XK1lfmTieyA>

**79. 2020, Sept. 16: COVID-19: The Great Sewage Initiative & Will There Be Enough Vaccines**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the innovative approach of pool testing of sewage to target community hotspots for case tracking and for making decisions regarding opening our economy. In addition, this technique can help in opening universities safely. Student behavior is also key to opening universities. Vaccines will be key to opening the economy and our educational institutions. Some estimate that it will take 4 years to vaccinate the world. But with almost 200 companies working on vaccines, this will probably take much less time. In the United States a vaccine should be available to all much sooner. Jack Pattie Show. WVLK AM 590. Sept. 16, 2020. (6:56) <https://youtu.be/Jwur8DaDfGY>

**78. 2020, Sept. 14: COVID-19: Nevada Rally & Importance of Nurse Staffing in Nursing Homes**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the importance of nurse staffing to prevent COVID-19 in nursing homes. In Kentucky, one third of all nursing home COVID-19 deaths are from 8 nursing homes which have approximately half of the nurse staffing. In addition, Dr. Kavanagh discusses the Nevada Indoor Rally which could become a superspreader event. Jack Pattie Show. WVLK AM 590. (2:23). <https://youtu.be/HBJ5sQN28p8>

**77. 2020, Sept. 11: COVID-19: The Bob Woodward - President Trump Tapes.**

Dr. Kevin Kavanagh from Health Watch USA discusses the implications of the revelations on the Bob Woodward and President Trump Tapes, including that the virus spreads through the air, affects the young and is more dangerous than the flu. In view of what is known, the continued shortage of N-95 masks in the United States and the lack of production capabilities has placed many front line workers at undue risk. Jack Pattie Show. Sept. 11, 2020. WVLK AM 590. (12:24) <https://youtu.be/rzM1DFGpYD0>

**76. 2020, Sept. 9: COVID-19: Failed SARS-CoV-2 Vaccine & The Need to Take The Flu Vaccine**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the AstraZeneca Trial which was placed on hold and how our initial vaccine trials are using new largely untested technology of RNA vaccines. In addition, the importance of obtaining your flu vaccine was stressed along with the dangers of getting the flu and COVID-19 at the same time. Jack Pattie Show. WVLK AM 590. (4:47)

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[https://youtu.be/On\\_pEER9yMo](https://youtu.be/On_pEER9yMo)

**75. 2020, Sept. 4: COVID-19: Myocarditis in Athletes & Does Over-billing Result in Over-Diagnosis of Infections**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the finding that 30 to 35% of college football players who have COVID-19 have developed myocarditis (inflammation of the heart). In addition, he discusses the false narrative that hospitals are over-diagnosing COVID-19 because they get paid more for it. Jack Pattie Show with Scott Johnson. (19:34) <https://youtu.be/juXotnK4vGI>

**74. 2020, Sept. 2: COVID-19: Can We Believe CDC and FDA Guidance**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses FDA changing statements regarding the efficacy of convalescent serum and the CDC's guidance regarding not recommending to test asymptomatic individuals or to test for community spread. In addition, he discusses society's shunning of healthcare workers and the impact on them. Jack Pattie Show with Scott Johnson. (7:56) [https://youtu.be/CLvPx\\_Ngqs0](https://youtu.be/CLvPx_Ngqs0)

**73. 2020, Aug. 31: COVID-19: Comorbidities Used As An Excuse To State Few Die**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the new spin on fatalities that 94% of cases die have comorbidities. However, this is "associated with and "not caused by". And the comorbidities include diabetes, high blood pressure, obesity, and breathing difficulties. Thus, the majority of adults. With advances in treatments many are now living but are developing long term disabilities of heart, lung and kidney problems. It was not so much the concern for death but for the development of myocarditis in college athletes which, caused PAC 12 and Big 10 football to be postponed. In addition, the report of California successfully opening preschools (using strategies of masking children over the age of 2, social distancing, hand hygiene and prompt cleaning of restrooms and toys after use) was discussed. Jack Pattie Show with Scott Johnson. WVLC AM 590. (8:02) <https://youtu.be/pDNntFsals8>

**72. 2020, Aug. 28: COVID-19: High School Athletics & CDC Changing Testing Recommendations**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses high school contact sports and how we need to push starting them to a later date. Although the risks of death from COVID-19 in school age children is very low, there are real concerns regarding developing heart disease and myocarditis along with the spreading of the virus to their older guardians. The changing guidance by the CDC is very disturbing since by not doing community testing and testing for asymptomatic carriers the pandemic will spread and not be controlled. Topics of COVID-19 case definition along with hydroxychloroquine were also discussed. Jack Pattie Show. WVLC 590 AM. (12:20) <https://youtu.be/vGrup44rflk>

**71. 2020, Aug. 26: COVID-19: Treatment So Far, No Game Changers But Definite Hope**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses new treatments of vaccines, convalescent serum and remdesivir and how they are offering hope but so far not game changers. The antibody treatment developed by Eli Lilly is promising since a high concentration of effective antibodies may be able to be given early in the course of the disease. In addition, Dr. Kavanagh cautions against the advisement on not quarantining if you travel to an area with a high COVID-19 infection. Jack Pattie Show. WVLC 590 AM. (4:58) <https://youtu.be/siRr0qf3cqc>

**70. 2020, Aug. 24: COVID-19: Do Not Weaken the FDA & Hyperimmune Responses**

Dr. Kevin Kavanagh From Health Watch USA<sup>sm</sup> stresses that the FDA should not be weakened and vaccines need to be thoroughly tested to make sure rare reactions such as hyperimmune responses to infections do not occur. It was felt the FDA Emergency Approval of antibody serum was a good

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decision but that the efficacy of the serum was probably not a game changer. Already 30,000 individuals have been treated with the serum. Opening of schools and the need for upgraded ventilation and N-95 masks for teachers along with the benefits of goggles and face shields was discussed. Jack Pattie Show. WVLC AM 590. <https://youtu.be/QVHLJ2zOoc0>

**69. 2020, Aug. 21: COVID-19: A Response to a White House Coronavirus Task Force Member**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> responds to White House Task Force Dr. John Fleming regarding the opening of schools. Recent studies have demonstrated that school children may not show symptoms and can transmit to their parent and grandparent caregivers placing them and the child's teachers at risk for COVID-19. Needed are N-95 masks for front line workers, capability of testing, safer air quality and repair of dilapidated schools, along with lower rates of community infections. Risks which could have been mitigated over the last 6 months with better federal coordination of the pandemic response. Other topics discussed were the seasonal flu and vaccine along with death rates from the pandemic. Jack Pattie Show. WVLC AM 590.

<https://youtu.be/eUwnzKPIAyg>

**68. 2020, Aug. 19: COVID-19: Colleges Closing - Saliva & Pool Testing Can Be Transformative**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the importance of transparency of school outbreaks along with transparency of severe infections in our healthcare facilities. Recent closures of Universities including North Carolina and Notre Dame. Students are ignoring public health advice and social distancing. The new saliva test and pool testing can be transformative and allow primary and secondary education to open. Upgrading our school's infrastructure is imperative to opening primary education. Guidance is changing as we learn more and more about this virus. Jack Pattie Show. Aug. 19, 2020. WVLC AM 590. (9:04) <https://youtu.be/L0A71e Wsow>

**67. 2020, Aug. 17: COVID-19: 200,000 Excess Deaths; 60% Developing Heart Disease, Athletes Not Playing**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses CDC data on total deaths in 2020 which shows an excess mortality of over 200,000. These deaths are attributed to COVID-19. Data from San Quentin Prison sheds doubt on herd immunity with 66% of the population being infected with new cases still occurring. Heart disease is also occurring in all types of COVID-19 patients, even those mildly infected. 60% of patients have changes<sup>sm</sup> in their hearts and the fear of myocarditis which is occurring in the young is postponing college sports. Finally, the low number of flu cases in the Southern Hemisphere is also discussed. Jack Pattie Show. Aug. 17, 2020. (7:17)

<https://youtu.be/RXZsi-T3PeA>

**66. 2020, Aug. 14: COVID-19: Should We Open All Schools And Masks Worn Only By Those At High Risk?**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> responds to the strategy of only giving masks to those at risk for COVID-19 and opening all schools. He stresses that cloth masks do not provide effective protection to the wearer but are intended to protect others and lower the R0 of the virus to slow down and possibly stop the pandemic. It was stressed that the lethality of the pandemic is the infectivity of the virus and that during a raging pandemic children can be very infectious placing those at home at risk for COVID-19. Finally, there are long haulers and lasting disability in many who are stricken by this disease. Heart, lung and cognitive problems are common in those hospitalized, even those who are treated at home can develop disabling conditions. Jack Pattie Show. WVLC AM (14:52) <https://youtu.be/SMir00P3jC4>

**65. 2020, Aug. 12: COVID-19: Kentucky Schools, Aerosols & Vaccines**

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Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the importance of opening schools and the need for upgrading our school buildings including better air flow and circulation. The safety of vaccines was also discussed and how, unlike Russia, we need to make sure all vaccines are thoroughly tested for both safety and efficacy before widespread use by our public. Jack Pattie Show. WVLC AM 590. <https://youtu.be/Kf96KuF42uk>

**64. 2020, Aug. 10: COVID-19: T - Cells Good or Bad, Exercising Vortexes**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the opening of schools in New York along with the importance of healthy school buildings with good ventilation and clean air. In addition, he discusses the findings of T-Cell immunity in the population and whether this is good or bad. And briefly discusses exercising vortexes and the need to be greater than 6 feet away when following someone who is walking, running or biking. Jack Pattie Show. WVLC AM 590. <https://youtu.be/sy7wtTt VII>

**63. 2020, Aug. 7: COVID-19: Prepare for the Long Term, Opening Schools Safely, Hydroxychloroquine**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses how COVID-19 will probably be with us for the long term and we need to strategize and upgrade infrastructure to reopen schools. In addition, questions were answered regarding hydroxychloroquine. Jack Pattie Show (16:12). <https://youtu.be/XMnI0hdwqr0>

**62. 2020, Aug. 5: COVID-19: Study: Hydroxychloroquine Works In Monkeys, Not Humans**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses how hydroxychloroquine (HCQ) inhibits a needed coronavirus entry enzyme in monkeys but not humans. Nefamostat Mesylate is the drug which inhibits the human enzyme but all of the attention given to HCQ has taken away valuable needed research resources. Internet trolls are also discussed, most with fake accounts and little if any content. They are spreading misinformation regarding HCQ and appear to be highly organized. Also the use of masks at home are discussed along with using goggles in high risk situations. Jack Pattie Show. WVLC AM 590. (5:43) <https://youtu.be/DsKlnUPZv2c>

**61. 2020, Aug. 3: COVID-19: The Pandemic May Last For Two Years And Infrastructure Changes are Needed.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> agrees with the WHO that the COVID-19 pandemic will likely last two years, since vaccines are not assured and already there is public concern regarding their acceptance. He stresses that we need a shift in our thinking from extending lifelines, to investments (State Grants) for infrastructure changes such as restaurants increasing ventilation and sterilization of airflow along with the construction of outdoor seating areas. Three manufacturers have vaccines which have entered clinical trials. Until the results are known, we need to wear masks, socially distance and wash our hands. Jack Pattie Show. Aug. 3, 2020. (7:20) <https://youtu.be/eyFUKW3zV1c>

**60. 2020, July 31: COVID-19: New Studies, Hydroxychloroquine Does Not Work & Infrastructure Needed To Open Schools**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the safety of medical care in the 2019 novel coronavirus pandemic along with new studies showing the mechanism of action of hydroxychloroquine which explains why it works in the lab but does not work in live humans. In addition, infrastructure changes in restaurants and schools are needed to modify buildings to make them safer during the COVID-19 pandemic. And finally, should we be wearing goggles? Jack Pattie Show. WVLC AM 590. (14:32) <https://youtu.be/EwXI-C1bvKs>

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**59. 2020, July 29: COVID-19: Infections Associated With Face Shields, Shortages of Tests and HCQ Misinformation.**

Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the testing shortage and the need for the ability to run laboratory developed tests (LDTs). The misinformation regarding hydroxychloroquine which is flooding social media was also discussed. Finally, the Swiss Government has issued a warning regarding the use of face shields after an outbreak in a hotel which only affected workers wearing a face shield and not those wearing masks. Jack Pattie Show. (5:57) <https://youtu.be/wFGkBEbJeEc>

**58. 2020, July 27: COVID-19: Churches, Bars, Schools & Mandates**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the rising rates in Kentucky and if one closes churches (which has already been done), then bars should also be closed, and makes the case that Mandates have a greater impact on the public than Recommendations. The public needs to follow public health advice and wear masks, socially distance and wash their hands. Jack Pattie Show. WVLK AM 590. <https://youtu.be/KEGLPmnNhy8>

**57. 2020, July 24: COVID-19: The Great School Debate**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the great school debate and recent CDC guidance. Parent and guardian involvement is of utmost important. In addition, new messaging from President Trump, calling the wearing of masks patriotic, warning the pandemic will get worse before it gets better and the canceling of the Republican Convention in Jacksonville, Florida, clearly paints the pandemic as a very serious situation. Jack Pattie Show. (12:36). <https://youtu.be/qdl8PK3yq8A>

**56. 2020, July 22: COVID-19: Experience With Having A Surgical Procedure - Is it Safe?**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses new data on the infectivity of school children, the lasting and wide spectrum of effects of this virus and the growing consensus on wearing masks to stop the surging epidemic. In addition, he describes his recent outpatient surgery and the precautions which were taken along with the importance of not having the healthcare system overrun with COVID-19 patients. Jack Patties Show. WVLK AM 590. July 22, 2020. (5:45) <https://youtu.be/4VWrH604B9g>

**55. 2020, July 20: COVID-19: Is It As Bad As They Say? Are The Numbers Accurate?**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the severity of the novel coronavirus epidemic and the need for national leadership with standardization of case definitions and reporting. The public needs to follow public health guidance and this guidance will change as we gain more knowledge. School openings are problematic with spiking cases and recent data from South Korea sheds doubt on the safety of opening schools. Vaccines are coming online and so far they look promising. Jack Pattie Show. WVLK AM 590. (30:28) <https://youtu.be/b-LTDzaGmxQ>

**54. 2020, July 20: COVID-19: What is it like to Get a Test, Should We Reopen Schools.**

Dr. Kevin Kavanagh from Health Watch USA(sm) discusses the problem of not funding testing and case tracking along with concerns regarding bypassing the CDC on COVID-19 data. In addition, new information from South Korea on the interactivity of young children is discussed and how this impacts plans for school reopenings. Jack Pattie Show. WVLK AM 590. (11:19) <https://youtu.be/g8f92uShV-Y>

**53. 2020, July 17: COVID-19: Why Doesn't The USA Follow Public Health Advice**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses why changing guidance which occurred as we gained more knowledge about COVID-19 is being used to foster mistrust regarding scientists and

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public health experts in the United States. Europe accepted changes in guidance and crushed the curve. Many in the United States used this as an excuse to ignore advice. Jack Pattie Show. WVLK AM 590. (5:53) <https://youtu.be/dVDXdlxjat0>

**52. 2020, July 10: COVID-19: Opening of Kentucky Schools, the Need to Wear Masks**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses school openings in Kentucky along with the need to wear masks and for individuals to do this not for themselves but for others. Finally, we need to work together and need a national coordinated strategies. Jack Pattie Show. WVLK AM 590. (8:13) <https://youtu.be/L5HTRknF-Js>

**51. 2020, July 10. COVID-19: Transforming Kentucky's Economy, Safely Opening Schools and The Importance of Masks.**

Kevin Kavanagh, MD from Health Watch USA<sup>sm</sup> discusses the importance of wearing masks along with suggestions for school openings and how COVID-19 is going to transform our economy. Jack Pattie Show with Scott Johnson. WVLK AM 590. [https://youtu.be/uSNUYA\\_5BbU](https://youtu.be/uSNUYA_5BbU)

**50. 2020, July 8: COVID-19 Cases Are Rising and Waning Hopes for Herd Immunity**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the rising rates of COVID-19 in Kentucky and how the public is not following public health guidance. New data from Spain found only 5% of the population has antibodies to COVID-19, shedding doubt on the prospects of herd immunity. Spain's results supports observations in Sweden and California. Jack Pattie Show with Scott Johnson. WVLK AM 590. (6:00) <https://youtu.be/X4uCazlTZMI>

**49. 2020, July 6: COVID-19: Mixed Messaging and Overrun Healthcare System**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses problems with the country being divided. We need consistent messaging. The United States had many warnings before this epidemic occurred and we ignored them all. Those who are hospitalized may have long lasting medical problems. Jack Pattie Show with Scott Johnson. WVLK AM 590. (8:39) <https://youtu.be/8DHsDkl6qTo>

**48. 2020, July 3: COVID-19: Retort to a Coronavirus Denier & Hopes for a Vaccine**

Dr. Kevin Kavanagh From Health Watch USA<sup>sm</sup> disagrees with a caller who feels herd immunity can be achieved and COVID-19 is no more deadly in the elderly than the flu. In addition, the new Pfizer's vaccine is discussed along with how to keep safer during the Fourth of July. The suggestion of applying pool testing to family cohorts for both nursing homes and schools is discussed. Jack Pattie Show. WVLK AM 590. (13:32) <https://youtu.be/hnJld6CIAUY>

**47. 2020, July 1, COVID-19: Top Republicans Now Saying -- Wear Masks**

Dr. Kavanagh from Health Watch USA<sup>sm</sup> discusses the alarming projections of new cases for COVID-19 and the new N1H1 virus circulating in China. The recent Senate hearing (June 30) was discussed with the Committee Chairman, Lamar Alexander, asking the President to wear a mask, creating hopes of uniform messaging from our leaders. Cases are too high for contact tracing to be effective and maybe Kentucky should preemptively, similar to New Jersey, dial back their openings. Jack Pattie Show.(9:02) [https://youtu.be/ZnT\\_yRJR9gc](https://youtu.be/ZnT_yRJR9gc)

**46. 2020, June 29, COVID-19: Pool Testing To Open Nursing Homes & Defective Antibody Tests**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses using pool testing for detecting the COVID-19 virus in family units of nursing home visitors. In addition, the problems and history of antibody tests were also discussed. Wearing masks is very important to prevent the spread of this virus. Jack Pattie

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Show. WVLC 590 AM. (6:54) <https://youtu.be/yMYw-7SwqWU>

**45. 2020, June 26, COVID-19: Immunity May Be Low in Asymptomatic Carriers**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses spiking rates in Texas, Arizona, Florida and California along with the CDC projections of a large number of asymptomatic carriers. Two new studies have found disturbingly low neutralizing antibodies in asymptomatic carriers which raises concerns of lasting immunity. All of this underscores the need for wearing masks, social distancing, and hand washing. Jack Pattie Show. WVLC AM 590. (13:55) <https://youtu.be/2EfMEvAKAKw>

**44. 2020, June 24, COVID-19: Rates in Southern States are Skyrocketing as Governors Take Action**

Dr Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the skyrocketing rates in southern States with hospitalizations rising in Texas, California, Florida, Arizona, South Carolina and Tennessee to the highest levels since the pandemic began. Total cases per day in the United States are the highest recorded, 35,000. The European Union has a greater population than the United States and has only 4,000 cases per day. The EU is now considering a travel ban of United States citizens. Jack Pattie Show. (6:23). [https://youtu.be/yw\\_Hiz3DgWY](https://youtu.be/yw_Hiz3DgWY)

**43. 2020, June 22, COVID-19: COVID-19: Increased Testing is NOT the Cause of Spiking Coronavirus Cases**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses he spiking COVID-19 virus infection rates in the Southern United States and how this is not related to increase testing. Increase testing should lower rates though case identification and isolation. This spike is being driven by younger individuals who although they may not be as likely to die of the infection can become very sick with lasting disability. In addition, they can spread this infection to their parents and grandparents. Jack Pattie Show. WVLC 590 AM. (4:42) <https://youtu.be/aFOXihAkQs8>

**42. 2020, June 19, COVID-19: COVID-19 - Angry Coronavirus Denier, Antibody Dependent Enhancement & the Dangers of Indoor Rallies**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the necessity to wear masks and the dangers of indoor rallies. In addition, there are doubts of lasting immunity and mounting evidence that the virus has a profound effect on the body's immunity. This may set the stage for reinfections and antibody dependent enhancement. In addition, a response was given to a coronavirus denier, an example how mixed messaging is causing social turmoil. Jack Pattie Show. (13:16) <https://youtu.be/hOVEELzqWrl>

**41. 2020, June 17, COVID-19: Treatments That Work and Those That Do Not**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses new studies which show benefits of dexamethasone on COVID019 patients who require respiratory support along with a failed randomized control trial using hydroxychloroquine. In addition the new antibody serum developed by Eli Lilly is entering Phase III Clinical Trials and it should be available by late September. Finally, the AIM review paper on asymptomatic spread found 40 to 45% of infected patients may spread the virus without knowing they even have it. The importance of this with the upcoming Tulsa, OK political rally is stressed along with advising this may become a supra-spreader event. Jack Pattie Show. (6:48) <https://youtu.be/wyM9v9Vad6U>

**40. 2020, June 15, COVID-19: Underestimation of COVID-19 Deaths.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> explains how historical death rates indicate that the COVID-19 deaths may be greatly underestimated. In Kentucky, there may be almost 1200 total

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deaths as opposed to 500. In addition, the importance of wearing masks and social distancing to stop asymptomatic spread and controlling the epidemic is stressed; along with the need for universal healthcare coverage and better social support. Jack Pattie Show (5:38). [https://youtu.be/OG\\_TYHg7NR8](https://youtu.be/OG_TYHg7NR8)

**39. 2020, June 12, COVID-19: Increasing Rates of Infections & The Importance of Wearing Masks**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup>, discusses the implications of the lack of transmission to any of the 140 clients of the COVID-19 virus positive hairdressers; and what that means for the efficacy of the public wearing masks. He also discusses large gatherings, restaurants and funerals; along with the new antibody therapy being developed by Eli Lilly which should be available in September. Jack Pattie Show. WVLC 590 AM. (15:21) <https://youtu.be/1a6yQl7nRlg>

**38. 2020, June 8. COVID-19: WHO Recommends The Public Wear Masks**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the current WHO guidance for the public to wear cloth masks, and those at high risk and over the age of 60 to wear N-95 masks. In addition, some studies are showing lower than expected antibody levels in the community which places more importance for everyone to wear masks and practice social distancing. Modeling studies have predicted that masks and social distancing alone may burn out the epidemic. Jack Pattie Show. WVLC 590. (6:60) <https://youtu.be/CB-cq7d-cjg>

**37. 2020, June 5. COVID-19: Bad Research & False Information on The Internet**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the recent retraction of a hydroxychloroquine article and the internet bots which spread false information to the public. Jack Pattie Show with Scott Johnson. WVLC 590. (16:04). <https://youtu.be/NbKtRUVeamo>

**36. 2020, June 3. COVID-19: Protests and Raising Death Rates**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the recent protests and the raising death rates which are starting to occur in Kentucky and the United States. Scott Johnson - Jack Pattie Show. WVLC 590 (8:14) <https://youtu.be/PT9bueglwwE>

**35. 2020, June 1. COVID-19: Social Inequities & Lasting Effects of This Infection**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the George Floyd Demonstration and the social inequities which exist in our society, including living conditions which prevent social distancing, lack of food and resources and working conditions which can be made safer. In addition, the long term effects of the COVID-19 virus (post COVID disability) is also discussed. Jack Pattie Show with Scott Johnson. WVLC. (5:51). <https://youtu.be/48Sqdec47xU>

**34. 2020, May 29. COVID-19: Changing Guidance and Ever Changing Statistics.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the changing guidance which is being given, along with discussions regarding concerns with the statistical analysis of the effects of this epidemic, specifically asymptomatic carriers. Jack Pattie Show -- WVLC AM. (16:27) Jack Pattie Show. [https://youtu.be/ph1iJKZu\\_k](https://youtu.be/ph1iJKZu_k)

**33. 2020, May 27. COVID-19: Memorial Day Weekend in Kentucky**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses memorial day opening in Kentucky, tips for eating out and the importance of wearing a mask and social distancing. Jack Pattie Show. (7:10) <https://youtu.be/eW5RW9rlcoE>

**32. 2020, May 22. COVID-19: Kentucky's Reopening of the Economy**

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Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the reopening of the economy, the need for continued cleaning of goods along with the need to wear masks and return to work safety. Jack Pattie Show. WVLK AM. (14:40). <https://youtu.be/D6Tfn78rNFA>

**31. 2020, May 20. COVID-19: Immunity -- Soap & Water is Best**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses new evidence which supports immunity and the CDC's finding that person to person spread is the most common means of contracting COVID-19. Soap and water is best to clean with. In addition, western rural Kentucky has the highest infection rate with Warren County having the second highest number of infections in Kentucky. Jack Pattie Show.

<https://youtu.be/gABvw3-uOPc>

**30. 2020, May 18. COVID-19: Kentucky's Mask Controversy.**

Dr Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the need for wearing masks to combat the COVID-19 epidemic along with the controversy which is taking place in Kentucky. The Jack Pattie Show. WVLK AM 590 (8:43) <https://youtu.be/iA4Roa82iLA>

**29. 2020, May 15. COVID-19: Visiting a Doctor's Office.**

Dr. Kevin Kavanagh, MD, from Health Watch USA<sup>sm</sup> discusses his experience and precautions taken during his visit to a doctor's office. In addition, the importance of wearing a mask was discussed and how to safely reopen the economy. Finally, COVID-19 testing was discussed and the development of immunity. Jack Pattie Show. WVLK AM. (14:52) [https://youtu.be/1KbEL\\_aNjQU](https://youtu.be/1KbEL_aNjQU)

**28. 2020, May 13. COVID-19 Reopening the Economy -- A short discussion**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the reopening of the economy. Jack Pattie Show. WVLK AM. (5:33) [https://youtu.be/nh\\_ky2nqpmg](https://youtu.be/nh_ky2nqpmg)

**37. 2020, May 11. COVID-19 Invading the White House, Opening the Economy**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses national security concerns created with the coronavirus invading the White House. Concerns over safely opening the economy are also discussed along with the false narrative of herd immunity. Jack Pattie Show (7:54) <https://youtu.be/Z6NLEup9DNY>

**27. 2020, May 8. COVID-19. The Public Needs Testing Availability As The White House & The False Narrative of Herd Immunity.**

Kevin Kavanagh, MD, from Health Watch USA<sup>sm</sup> discusses herd immunity and how the infectivity and immune response to the virus makes this an unrealistic strategy. This is further complicated by the emergence of a new strain 614G on the East Coast. Jack Pattie Show with Scott Johnson. WVLK 590. (14:40) <https://youtu.be/AVpE6onrMTU>

**26. 2020, May 6. COVID-19: New Strain Faster & Meaner -- What We Need to Do.** Dr. Kevin Kavanagh from Health Watch USA(sm) discusses the reports of the new strain of the COVID-19 virus. This virus has been found to be more infectious and produces an increased viral load in the cell. The attachment spike has been mutated and this may cause those who were immune to the previous version to be susceptible to this one. Herd immunity does not appear to be an option. In addition, vaccines need to be modified to increase their effectiveness against this strain. WVLK 590 AM with Scott Johnson. (5:31) <https://youtu.be/lp9mi09dYFg>

**25. 2020, May 4. COVID-19: Importance of Masks & Hopes for Vaccines.**

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Kevin Kavanagh, MD, discusses the importance of masks and new hopes for a vaccine, along with strategies to speed up the process. Scott Johnson, WVLC 590 AM. (6:48) <https://youtu.be/JCISiR4Amvc>

**24. 2020, May 1. Open or Not Open Our Economy - Is COVID-19 Herd Immunity a False Narrative ?**

Kevin Kavanagh, MD, from Health Watch USA<sup>sm</sup>, discusses the COVID-19 experience in Sweden vs. Finland and if the United States should open their economy, stressing the importance of worker safety and patrons wearing masks. Problems with herd immunity are also discussed along with the fast tracking of vaccines. Jack Pattie Show. (15:31) [https://youtu.be/l\\_VsLXZ-XM](https://youtu.be/l_VsLXZ-XM)

**23. 2020, Apr. 29. False COVID-19 Narratives from Elected Official's?**

Kevin Kavanagh, MD from Health Watch USA<sup>sm</sup> responds to the false narratives of elected officials. Issues of piecemeal opening in states, infection rates and dangers of COVID-19 along with the use of mask by both employees and employers in retail establishments. The importance of officials wearing viral filtering masks in hospitals was also emphasized. Jack Pattie Show. (9:43) <https://youtu.be/IFXiVkJfNwA>

**22. 2020, Apr. 27. COVID-19: Opening the Economy & Hydroxychloroquine.**

Kevin Kavanagh from Health Watch USA<sup>sm</sup>, discusses the opening of the economy in the COVID-19 epidemic, that the number of cases may be improving and the dangers of hydroxychloroquine. Jack Pattie Show. (6:31) <https://youtu.be/jsNhpRjr10>

**21. 2020, Apr. 24. The Coronavirus (COVIR-19) In the United States - Updates.**

Dr. Kevin Kavanagh, MD, discusses the various tests to diagnosis COVID-19 and when an antibody versus a viral test will be useful. In addition, the problem of false positives and negatives and test reliability are discussed. Jack Pattie Show. (16:26) <https://youtu.be/kNyA-9Ua6QM>

**20. 2020, Apr. 22. The Coronavirus (COVIR-19) In the United States - Updates.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the problems created by some state governors not following White House Guidance, the possibility of a second bigger wave of infection and disappointing research results of hydroxychloroquine. Jack Pattie Show. (7:06) <https://youtu.be/OE-NZZ0xHKc>

**19. 2020, Apr. 20. New Requirements to Open Our Economy, How long will This Last?**

Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the new requirements to open up the economy, the need for more testing and that this virus will probably be with us until we have a vaccine. Jack Pattie Show. WVLC 590. (8:14) <https://youtu.be/jBkN4i6g9W4>

**18. 2020, Apr. 17. Opening the Economy & COVIR-19's Effect on the Food Chain**

Dr. Kevin Kavanagh discusses when to reopen the economy and COVIR-19's effect on the food chain. Jack Pattie Radio Show. WVLC 590 AM. (16:02) <https://youtu.be/ZzUJimuUOP0>

**17. 2020, Apr. 15. Defunding the WHO and Safety of Our Food Chain with COVID-19.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the United States' defunding of the World Health Organization, along with food safety with COVID-19. In addition, insights into when to open the economy and if primaries should be held in Kentucky were given. Jack Pattie Show - WVLC 590 AM. (7:04) [https://youtu.be/Lq9eYt\\_5w2k](https://youtu.be/Lq9eYt_5w2k)

**16. 2020, Apr. 13. Dismissal of Dr. Fauci ? When To Open Economy.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the impact of threatening to fire Dr. Anthony Fauci and when we should open the economy. In addition, the disappointment of churches

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which did not cancel Easter Services and some of our leaders whom seem to support holding services. Jack Pattie Show. (8:12) <https://youtu.be/5bJy7AVNVJA>

**15. 2020, Apr. 10. The COVID-19 Danger of Church Services & Reopening the Economy Too Early. /em>**

Kevin Kavanagh, MD, from Health Watch USA<sup>sm</sup> discusses the risks of COVID-19 going to church services and reopening of the economy too early. Tips on how to stay safe, wearing masks at grocery stores and and preferentially having groceries delivered. In addition, once we are over the peak of the curve, it needs to be remembered that the down slope was created by social distancing and if we go back to normal without an increase in testing or a vaccine, then a second wave may occur. Jack Pattie Show. (10:41) <https://youtu.be/dsZXV-lbCKY>

**14. 2020, Apr. 8. The Coronavirus (COVIR-19) In the United States - Updates.**

Kevin Kavanagh, MD from Health Watch US discusses healthcare worker safety and the need for more PPE along with the red tap and legal issues which prevents workers from wearing their own. Workers do not need paid sick leave but workers' compensation benefits. A strong coordinated federal response is needed with a well defined exit strategy with goals centered on PPE and rapid testing availability. Jack Pattie Show. (5:00) <https://youtu.be/nN25plFdRng>

**13. 2020, Apr. 6. COVID-19 Asymptomatic Spread and the Dangers of Churches.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the extensive pandemic preparedness enacted by President George Bush and then neglected. In addition, asymmetric spread of the COVID-19 virus was discussed along with the need for retailers to require patrons to use a DIY mask and food handlers to use protective gear. Jack Pattie show. (5:20) <https://youtu.be/XbhwTYh3RGY>

**12. 2020, Apr. 3. Are Churches & Singing a Major Risk Factor for Spread?**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses asymptomatic spread and the unacceptable risks in-church services and singing pose on the spread of the COVID-19 virus. Jack Pattie Radio Show WVLC AM. (15:25) <https://youtu.be/z9xpRku7kaE>

**11. 2020, Apr. 1. New Estimates of COVID-19 Spread and Fatalities - Discussion of Public Mask Use.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses that new estimates shows if maximum social distancing and stay at home orders are followed nationwide that a minimum of 100,000 to 240,000 deaths may occur. All states need to enact stay at home policies. The controversial policy of citizens using masks is also discussed. Jack Pattie Show. (8:24) <https://youtu.be/FrRbOeflKqM>

**10. 2020, Mar. 30. COVID-19 Masks, Gloves & Ventilators.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses masks, gloves and ventilator shortage along with the non-coordinated, inadequate federal response. Also, discussed is social distancing both the importance and its extension until the end of April. Jack Pattie Show WVLC AM. (12:46) <https://youtu.be/2wKm9eiMQHY>

**9. 2020, Mar. 27. COVID-19, Social Distancing, Lack of Beds and Kentucky's CON.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the importance of social distancing and staying at home along with the lack of ventilators and the lack of beds A short discussion was also given regarding Kentucky's antiquated CON law. WVLC AM - Jack Pattie Show. (10:52) [https://youtu.be/DmR8lYdH\\_rY](https://youtu.be/DmR8lYdH_rY)

**8. 2020, Mar. 25 -- COVID-19 - Importance of Social Distancing and Grocery Delivery.**

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Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the importance of social distancing, staying at home, ordering groceries to be delivered, and that there is a consensus developing that the virus can live on some surfaces for up to three days. Jack Pattie Show. (4:04). <https://youtu.be/tGLbCKp5aNk>

**7. 2020, Mar. 23 -- Spread of Coronavirus Without Symptoms - Asymptomatic Spread.**

Dr. Kevin Kavanagh stresses the importance of staying at home and asymptomatic spread. Senator Rand Paul has the virus and is asymptomatic. Now we have Republican Senators missing one of the most important votes in their careers because they were exposed to asymptomatic carriers. Jack Pattie Show. (4:22)  
[https://youtu.be/gSxnai\\_kc34](https://youtu.be/gSxnai_kc34)

**6. 2020, Mar. 21 -- COVID-19 How To Get Groceries and How to Safely Use gloves.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the importance of social distancing during the COVID-19 epidemic and how to safely get groceries and use gloves. In addition the importance of greater CDC funding and engagement was discussed. Jeff Santos Show (15:30).  
<https://youtu.be/vkPWxfq6wTI>

**5. 2020, Mar. 19. Coronavirus -- Flatten The Curve - Asymptomatic Spread, Social Distancing and Masks.** Kevin Kavanagh, MD from Health Watch USA<sup>sm</sup> discusses asymptomatic spread, social distancing and the lack of hospital beds, masks, and test reagents. And the need for N95 masks for the public. Jack Pattie Show. (20:28) <https://youtu.be/li04bjncrTM>

**4. 2020 Mar. 14. The Coronavirus (COVIR-19) In the United States - Updates.**

Kevin Kavanagh, MD, from Health Watch USA<sup>sm</sup> gives a short coronavirus (COVID-19) update on the Jack Pattie show. Social distancing is discussed along with how using only a mask may not give adequate protection. Jack Pattie Show. (04:40) <https://youtu.be/d04T9UOQ828>

**3. 2020, Mar. 9. The Coronavirus (COVIR-19) In the United States - Updates.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> gives an update on the status of the coronavirus (COVID-19) epidemic, number of infections and how to best avoid contracting the infection. Jack Pattie Show. (05:42) <https://youtu.be/YIheNqySLmg>

**2. 2020, Mar. 3: The Coronavirus (COVIR-19) In the United States - Updates.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the coronavirus COVIR-19. Updated information on transmission, fatality rates and the utility of masks is discussed. In addition, strategies to prevent transmission to individuals are presented. Emphasis is also placed on changes which need to be made by employers and our healthcare system. Jack Pattie Show WVLC AM Download. YouTube Video. (23:09) [https://youtu.be/lrzNgwzl\\_44](https://youtu.be/lrzNgwzl_44)

**1. 2020, Feb. 4: The Coronavirus Pandemic -- Kevin Kavanagh.**

The Coronavirus Epidemic, what is known, best ways to prevent acquiring the virus and the current CDC Response. Jack Pattie Radio Show AM 590. YouTube Video. (32:46) <https://youtu.be/nl3ZFtK2f5w>

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## Jeff Santos Radio Show

**38. 2020, Dec 17: COVID-19: Past Surgeon General Dr. Joycelyn Elders on the Need to Get Vaccinated.**

Kevin Kavanagh, MD, from Health Watch USA<sup>sm</sup>, and past Surgeon General Dr. Joycelyn Elders discusses the need for the public to receive a COVID-19 vaccine and the hesitancy in the United States' black population. An African-American who was very hesitant to take the vaccine called in and retorts were given. To stop the spread of this virus, it is imperative that a large portion of the United States' population receives the vaccine. Jeff Santos Show. Dec. 19, 2020. [https://youtu.be/O\\_3wY7bplnM](https://youtu.be/O_3wY7bplnM)

**37. 2020, Dec. 10: COVID-19: Vaccines, Schools and COVID Denial**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the new vaccines along with the roadblocks and importance of opening schools. One of the greatest impediments into confronting this epidemic is COVID-19 denial and the acceptance of public health advice. Jeff Santos Show. <https://youtu.be/WCS-cFUApMY>

**36. 2020, Dec. 3: COVID-19: Schools - Churches -Bars**

Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the New York City policy of having bars and restaurants open but wanting to close schools. Pressure from the public and a recent U.S. Supreme Court ruling have resulted in schools being opened, rather than the closure of other high-risk venues. Also, discussed are the risks of indoor church services and the need for a uniform national strategy. Jeff Santos Show. Dec. 3, 2020. <https://youtu.be/KxicNPZkbR4>

**35. 2020, Nov. 24: COVID-19: Opening of Schools**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the opening of schools and the importance of not overrunning our healthcare systems. A coherent national strategy is needed and any places of congregation are problematic. The Thanksgiving Holiday is also problematic and travel within and between states should be kept to a minimum. Jeff Santos Show. Nov. 24, 2020. <https://youtu.be/EdRljKQBK94>

**34. 2020, Nov. 19: COVID-19: School Closings**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the closing of schools and what needs to be done for reopening, including better ventilation and sanitation of air, PPE, pool testing of students and teachers. In addition, we need to invoke the Defense Production Act to produce needed PPE and testing supplies. We need better and consistent messaging from our leaders along with everyone following public health advice. Travel and the upcoming holidays are especially problematic. Jeff Santos Show. <https://youtu.be/9vL0Q1nOkLQ>

**33. 2020, Nov. 12: COVID-19: Will a Shut Down Improve Anything?**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the difficulties in shutting down the economy with a shelter in place order. We no longer have adequate reserves and the public has still not bought into public health measures. Thus, reopening after a closure could well cause the virus to re-surge. Of utmost importance is public acceptance of public health strategies so once viral levels are suppressed, they can be kept low with case tracking. Jeff Santos Show. <https://youtu.be/YkYU2Gt3HAE>

**32. 2020, Nov. 5: COVID-19: Post Election Strategies - The Need For A National Strategy**

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Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses post-election strategies to control COVID-19 along with the need for uniform messaging. Getting community involvement for the control of COVID-19 is of utmost importance and involvement of community organizations such as churches is discussed. Jeff Santos Show. <https://youtu.be/-J5E8I3un68>

**31. 2020, Oct. 29: COVID-19: Are Superspreader Rallies A Self Defeating Strategy?**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the illogical strategy of holding multiple potential superspreader events which risk driving the pandemic, making it harder to vote on election day. The use of masks and social distancing is imperative or our healthcare system will be overrun and COVID-19 fatality rates will rise. Jeff Santos Show. <https://youtu.be/RHiF6JqUPhI>

**30. 2020, Oct. 15: COVID-19: The False Narrative of Herd Immunity**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the Great Barrington Declaration's false narrative of herd immunity. He also discusses the importance of seeing your physician, even during COVID-19, and a new therapy on the horizon. Jeff Santos Show. Oct. 15, 2020. <https://youtu.be/YFWBBZDwa5U>

**29. 2020, Oct 8: COVID-19: White House Precautions & Public Acceptance of Health Guidance**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discussed inadequate COVID-19 prevention strategies at the White House, including the sole reliance on rapid testing, a test known for high false negative rates. In addition, the use of exhalation valves on N95 masks by security personnel should not be used in a pandemic. The lack of a coherent uniform message has resulted in the public not accepting public health guidance which is further fueling the pandemic. Finally, the necessity of receiving a flu vaccine was discussed. Jeff Santos Show. <https://youtu.be/1MrtkddBVR4>

**28. 2020, Oct. 2: COVID-19: President Trump Tests Positive**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the implications of President Trump's positive COVID-19 test. The importance of wearing masks and social distancing are stressed along with the dangers of large outdoor gatherings with loud vocalization which can aerosolize the virus. Jeff Santos Show.

<https://youtu.be/ts7kqtABk18>

**27. 2020, Oct. 1: COVID-19: The White House's Coronavirus Message**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the importance of masks and not interfering with the CDC and scientists' advice. Currently, cases in the United States are rising and in Wisconsin there are political rallies planning to be held. CDC's guidelines on Halloween are discussed, along with what they mean for other comparable activities. The importance of aerosolization along with making schools safer with healthy buildings and implementing public health protocols of wearing masks and social distancing. If we can do this and much more for professional sports, we should do the same for our children. Jeff Santos Show. (23:01) <https://youtu.be/uRQk1I24QGU>

**26. 2020, Sept 24: COVID-19: -120 F Vaccine -- Are You Kidding ??**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the requirements for opening schools and how the hopes on the Pfizer-BioNTech Vaccine may have been misplaced. The requirement to store at dry ice temperatures from manufacturing to injection makes the vaccine problematic and will probably create access barriers in disparate populations. Jeff Santos Show. <https://youtu.be/uAAtU7x6PvQ>

**25. 2020, Sept 17: COVID-19: Are Vaccines Safe?**

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Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses vaccines along with issues of their safety and effectiveness. In addition, the safety of schools along with the wisdom of restarting school and college contact sports is discussed. Jeff Santos Show. Video link <https://youtu.be/hi3j7LOYSWO>

**24. 2020, Sept 11: COVID-19: Opening Schools, Sports & The Bob Woodward Donald Trump Interview.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the implications of the Feb and March 2020 interview between Donald Trump and Bob Woodward. In addition, strategies to open schools and professional sports are discussed. Jeff Santos Show. (22:05) [https://youtu.be/atj\\_P24W6L8](https://youtu.be/atj_P24W6L8)

**23. 2020, Sept. 3: COVID-19: Vaccine By Election Day. Is It Safe ??**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses vaccine safety and what needs to take place before any vaccine is released to the public. In addition, the need for unified consistent messaging and not following prey to misinformation is stressed. Finally, missteps which occurred in the United States initial response to the pandemic was discussed. Jeff Santos Show. Sept. 3, 2020. (21:55) <https://youtu.be/lzp64yA1JbE>

**22. 2020, Aug. 27: COVID-19: Can We Trust Our Federal Public Health Agencies?**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the recent changes in testing recommendations by the CDC which would not allow the identification of asymptomatic carriers and community spread. The FDA had a similar lapse with the overstatement of the efficacy of convalescent serum. Jeff Santos Show. (21:49) <https://youtu.be/29Nylv3n2kE>

**21. 2020, Aug. 13: COVID-19: Difficulties in Opening Schools**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the difficulties in opening schools and how we need to protect our children and follow public health guidance. Infrastructure improvements are necessary along with lowering the infection rate in the community. Jeff Santos Show. Aug. 13, 2020. <https://youtu.be/fv54LVqiCQ>

**20. 2020, Aug. 6: COVID-19: The Logistics of Opening of Schools**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> and Melissa Tomlinson from BAT teachers association discuss the logistics of opening schools on the Jeff Santos shows. Topics include the need for a revised infrastructure, social distancing, masks, along with blend programs. It was stressed that opening schools in regions with high community spread will probably not be successful. Students can still get sick, sometimes severely ill but data is showing that they may well bring the virus home to their parents and grandparents. Jeff Santos Show. Aug. 6, 2020. <https://youtu.be/mHG6f171mcl>

**19. 2020, July 30: COVID-19: Opening Schools.**

Governor Michael Dukakis, Dr. Kevin Kavanagh, Melissa Tomlinson, David Palelogous discuss the complexities of opening schools. The need to lower community infection rates and modification of a school's infrastructure are of utmost importance. Concerns exist over the safety of teachers along with that of parents as new research shows risks of infections from children. Jeff Santos Show. <https://soundcloud.com/ron-crider/73020-hr-3-gov-dukakis-dr-kavanaugh-melissa-tomlinson-david-palelogous>  
<https://soundcloud.com/ron-crider/73020-hr-3-gov-dukakis-dr-kavanaugh-melissa-tomlinson-david-palelogous-1>

**18. 2020, July 16: COVID-19: Spiking Cases and School Openings**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the spiking cases in the Southern United

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States and the current discussion on whether or not to reopen classroom teaching. Jeff Santos Show. (21:54) <https://youtu.be/eo8j1Rf2pCI>

**17. 2020, July 9: COVID-19: Mixed Messaging and Skyrocketing Rates in the United States**

Kevin Kavanagh, MD and Christine Pontus, RN discuss COVID-19 rising rates in the United States and the importance of having an appropriate infrastructure and a national strategy. Jeff Santos Show. <https://youtu.be/-0hqKjksQuo>

**16. 2020, July 2, COVID-19: COVID-19 Denial of Severity and The Fourth of July**

Dr. Kevin Kavanagh, from Health Watch USA<sup>sm</sup> discusses the risks of not taking the coronavirus seriously and being cavalier during fourth of July Celebrations. In addition, States are rolling back opening and some States are reclosing indoor dining and bars. Jeff Santos Show. (22:27) <https://youtu.be/-9Mfcvf0LUM>

**15. 2020, June 25, COVID-19: Spiking Cases and a Need for A Coordinated Response**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the spiking cases in the Southern States and the lack of a coordinated federal response. The mixed messaging is compounded by misinformation initiatives on social media spurred by adversarial governments. Death rates are falling because of better treatment in the ICU using dexamethasone, plasma, remdesivir and anticoagulation but we are finding out that those that survive a severe episode, may well have disabling medical conditions post discharge from the hospital. Jeff Santos Show. (21:59) <https://youtu.be/fwhQKhHYI4c>

**14. 2020, June 18, COVID-19: The Southern States Spiking, Masks not Being Used and New Treatments in the Pipeline**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the need for wearing masks and the lack of central consistent messaging. COVID-19 is spiking in the Southern States. Oklahoma is seeing a major spike and an indoor political rally is planned in 2 days. New treatments consisting of vaccines, dexamethasone and an antibody infusion are in the pipeline. Jeff Santos Show. <https://youtu.be/0UY79KP6T2U>

**13. 2020, June 4. COVID-19: Demonstrations and Public Safety**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> and Christine Pontus from the Massachusetts Nurses Association discuss the dangers of viral spread in demonstrations and suggestions on how to keep the public safe. The need for PPE and the importance of testing is stressed. Jeff Santos Show. (22:43) <https://youtu.be/G81qrenx598>

**12. 2020, May 26. COVID-19: Memorial Day Opening and Kentucky Reprehensible Demonstrations**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses safety tips when one goes to restaurants, the future of sporting events and the reprehensible demonstrations which occurred over the memorial day weekend. Jeff Santos Show. (21:10) [https://youtu.be/zS\\_6ek-8skc](https://youtu.be/zS_6ek-8skc)

**11. 2020, May 21. COVID-19: Two MNA Nurses have Died, More PPE is needed**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> and Christine Pontus from the Massachusetts Nurses Association discuss the tragic loss of two MNA nurses from COVID-19. The lack of adequate PPE, the need for more testing is discussed. Also, the opening of restaurants and the possibility of worsening the epidemic was discussed. Jeff Santos Show. (22:38). [https://youtu.be/\\_V0sA5Go-Z0](https://youtu.be/_V0sA5Go-Z0)

**10. 2020, May 14. COVID-19 Should the Public Wear Masks.** Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses whether the public should wear cotton masks and tells his experience of seeing a

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doctor for removal of a skin cancer during the COVID-19 pandemic. Jeff Santos Show. (22:42) <https://youtu.be/aUtke4iuO9M>

**9. 2020, May 7. *The Missing CDC Guidelines on Reopening the Economy - COVID-19***

Dr. Kevin Kavanagh, MD, from Health Watch USA<sup>sm</sup> discusses roadblocks and what is needed to reopen the economy and the 17 page missing CDC report needs to be released and used as a national template. Jeff Santos Show. (22:13) <https://youtu.be/gB0f93DmTUA>

**8. 2020, Apr. 30. *COVID-19: The Effects of Climate, Air Pollution on Infection Rates & Workers' Safety.***

Kevin Kavanagh, MD from Health Watch USA<sup>sm</sup> discusses the success of controlling COVID-19 in Taiwan and South Korea along with the effects of climate and air pollution. Finally, healthcare workers' safety, compensation and an economic and healthcare safety net for the worker and their family is discussed. Jeff Santos Show. (21:35) <https://youtu.be/qSm4siZ3q6g>

**7. 2020, Apr. 23. *The Coronavirus (COVIR-19) In the United States - Updates.***

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discuss the dire consequences of states opening their economy too early and controlling COVID-19. Along with the need for a strong and consistent federal message. Food safety and keeping our food supply chain functional is also discussed, including healthcare for migrant workers who harvest a large portion of the food and preservation of the family farm. Jeff Santos Show. (22:21) <https://youtu.be/7dMKRGz3kdc>

**6. 2020, Apr. 16. *COVID-19 Governor's Coalition & Universal Healthcare.***

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the importance of a national strategy, the regional coalitions formed by our nation's governors; and not running a lean healthcare system with small stockpiles of PPE and lack of redundancy of healthcare workers. In addition, comparisons of the performance of different countries in controlling COVID-19 is discussed in its relationship to universal healthcare. Jeff Santos Show. (22:38) <https://youtu.be/c88fKXUDvPo>

**5. 2020, Apr. 9. *COVID-19 Socioeconomic Disparities & When to Open the Economy.***

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses how socioeconomic disparities from homelessness, lack of healthcare access and poor funding of front line hospitals causes increase in fatality rates in disadvantaged populations. In addition, the case is made for a more coordinated federal response and better prioritization of resources which maximize patient and front-line workers safety (healthcare workers, food handlers and delivery services). Jeff Santos Show. (21:51) <https://youtu.be/ZP9BFSW0XjE>

**4. 2020, Apr. 2. *The Coronavirus (COVIR-19) In the United States - Updates.***

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> talks about the importance of the public wearing DIY masks & federal coordination. Jeff Santos Show. (18:36) <https://youtu.be/jyZD4qEvOdM>

**3. 2020, Mar. 26. *COVID-19 Symptoms and How to Access Healthcare and Some Precautions to Take.***

Dr. Kevin Kavanagh discusses lean staffing, how to avoid social isolation, blood pressure medications, along with symptoms COVID-19 (coronavirus) and how to access medical care. Jeff Santos Show. (22:40) <https://youtu.be/yVprVb icxo>

**2. 2020, Mar. 21 -- *COVID-19 How To Get Groceries and How to Safely Use gloves.***

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses the importance of social distancing during the COVID-19 epidemic and how to safely get groceries and use gloves. In addition the importance of

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greater CDC funding and engagement was discussed. Jeff Santos Show (15:30).  
<https://youtu.be/vkPWxfq6wTI>

**1. 2020, Mar. 12. The Coronavirus (COVIR-19) In the United States - Updates.**

Dr. Kevin Kavanagh from Health Watch USA<sup>sm</sup> discusses COVID-19 virus, how to prevent infections and the short comings and strengths of the United States' Response. (Edited Version containing Dr. Kavanagh's comments). Jeff Santos. (12:05) <https://youtu.be/xoUfs04zxdQ>



**Health Watch USA<sup>sm</sup> Santa Dog COVID-19 Christmas Card.**

<https://www.bluemountain.com/view/r85d511d1789a46a29f8724792675f182>

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