



# Health Watch USA<sup>sm</sup> Newsletter

<https://www.healthwatchusa.org> July 1, 2025

Member of the National Quality Forum & designated "Community Leader" for Value-Driven Healthcare by the U.S. Dept. of Health and Human Services

## **Activity for the Month of June Health Watch USA<sup>sm</sup>:**

- 1 Continuing Education Course.
- 2 Presentations.
- 1 OpEd – Courier Journal
- 2024 HW USA Conference Videos are Available.

**Information Regarding Health Watch USA<sup>sm</sup> Nov. 1st, 2023: Long COVID's Impact on Patients, Workers & Society:** <https://www.healthwatchusa.org/conference2023/index.html>

## **Health Watch USA<sup>sm</sup> 2023 Activities Report:**

<https://www.healthwatchusa.org/HWUSA-Officers/20231231-HWUSA-Report-2023.pdf>

## **Health Watch USA<sup>sm</sup> 2022 Activities Report:**

<https://www.healthwatchusa.org/HWUSA-Officers/20221231-HWUSA-Report-2022-2.pdf>

## **Health Watch USA<sup>sm</sup> 2021 Activities Report:**

<https://www.healthwatchusa.org/HWUSA-Officers/20211231-HWUSA-Report-2021.pdf>

## **Health Watch USA<sup>sm</sup> 2020 Activities Report:**

<https://www.healthwatchusa.org/HWUSA-Officers/20201231-HWUSA-Report-2020.pdf>

**COMBATING INFECTIOUS DISEASE CHALLENGES**  
**Have we gone twenty steps forward or backwards?**

## **Register for Health Watch USA's 2025 Public Health Webinar**

[https://us02web.zoom.us/webinar/register/WN\\_GISfEYK8Q3e4OuCouplFcA](https://us02web.zoom.us/webinar/register/WN_GISfEYK8Q3e4OuCouplFcA)



Aug 29, 2025, 2:30 pm to 7:30 pm EDT. Yes, this is an unusual time, but we have international speakers from New Zealand, Australia & Singapore.

Download Brochure:

[https://www.healthconference.org/healthconference.org-files/2025Conference\\_downloads/\\_20250829-HWUSA\\_Brochure.pdf](https://www.healthconference.org/healthconference.org-files/2025Conference_downloads/_20250829-HWUSA_Brochure.pdf)

Download Agenda:

[https://www.healthconference.org/healthconference.org-files/2025Conference\\_downloads/\\_Agenda.pdf](https://www.healthconference.org/healthconference.org-files/2025Conference_downloads/_Agenda.pdf)

## Health Watch USA<sup>sm</sup> – Articles & Commentaries



### COVID isn't over. RFK Jr.'s vaccine recommendation is a terrible choice.

"We soon will be at risk of facing another wave of COVID from the Nb.1.8.1 variant, which is currently spreading across Southeast Asia and just landed in the United States. This variant has increased infectivity and immune-evasive properties. Everyone should become vaccinated and up to date with their COVID-19 boosters, including pregnant women

and children. COVID is not over, it is still dangerous, and can cause serious long-term sequelae that may not be evident for months or years after the acute infection. We need to update our nation's vaccination policy, not based on political populism, but to reflect the realities of the world we are living in."

#### Key Points:

1. The U.S. Department of Health and Human Services no longer recommends the COVID-19 vaccine for pregnant women and children.
  2. COVID-19 vaccines and boosters help protect pregnant mothers, newborns and children from severe illness and long-term complications.
  3. Children are vulnerable to long COVID and can spread the disease to others.
- Several safe and effective vaccine options are available, including mRNA and protein-based vaccines.
4. The nation's vaccination policy needs an update based on scientific evidence, not political populism.

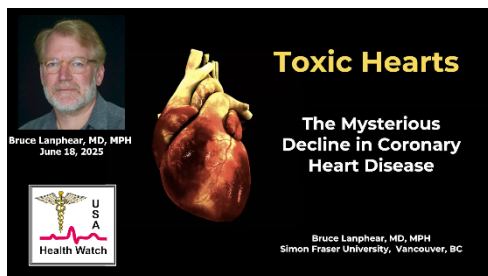


USA Today. June 2, 2025. [References](#)

<https://www.usatoday.com/story/opinion/contributors/2025/06/02/covid-vaccine-recommendation-rfk-jr-pregnant-women-healthy-children/83941480007/>

## Health Watch USA<sup>sm</sup> – Presentations

### The importance of Population Wide Public Health Strategies in the Decline in Heart Disease.



Dr. Bruce Lanphear, MD, PHD, Simon Fraser University, discusses "The Mysterious Decline in Coronary Heart Disease" and the importance of population wide public health strategies. The presentation focuses on population health strategies, particularly the decline in coronary heart disease mortality over the past 50 years. It highlights key factors such as the impact of lead exposure, air pollution, and smoking on cardiovascular health, emphasizing how

public health interventions like phasing out leaded gasoline have contributed to this decline. Dr. Lanphear connects environmental risk factors, such as toxic metals and air pollution, to heart disease and advocates for population-level strategies over individual approaches to address health challenges. Health Watch USA(sm) meeting June 17, 2025.

#### Key findings include:

- Lead exposure is associated with over 185,000 coronary heart disease deaths annually in the U.S.

- Air pollution and smoking are significant contributors to cardiovascular disease.
- Population strategies, such as reducing environmental pollutants and promoting public health initiatives, are more effective and cost-efficient than individual clinical approaches.

The speaker concludes with a call to prioritize preventive measures and collective control over addressing individual behaviors, arguing that tackling root environmental and corporate issues can profoundly improve public health outcomes worldwide.

Dr. Lanphear can be followed on Substack at: <https://substack.com/@brucelanphear>



### **Understanding Vaccine Efficacy Among Ongoing Viral Threats to Immunosuppressed and Immunocompromised Kidney Patients**

American Association of Kidney Patients. May 22, 2025.

**References** View Presentation Video:  
<https://www.youtube.com/watch?v=8jT9IUGJYE0>

#### **Key Points**

- Infections are a significant cause of mortality in kidney patients, with vaccination being an essential preventive measure.
- Dialysis patients benefit from both live attenuated and inactivated virus vaccines, though efficacy data is limited.
- Solid organ transplant patients require more stringent vaccination protocols, avoiding live attenuated vaccines post-transplantation is important.
- Seasonal influenza vaccines have shown clear benefits for dialysis patients, though data for transplant patients is less conclusive.
- Measles vaccines are rarely administered to transplant patients due to the lack of an inactivated measles vaccine.
- Covid-19 vaccines face challenges with lower efficacy in immunocompromised patients, necessitating additional protective measures.
- Advocacy is needed for improved vaccine accessibility, universal masking in healthcare settings, and enhanced public health strategies.

#### **Recommendations**

- Vaccinate patients before transplantation for optimal immune response.
- Monitor post-vaccination antibody titers for certain vaccines.
- Funding of vaccine research designed for specific types of solid organ transplant patients is needed.
- Use passive immunity options like intravenous immune globulin for measles exposure in immunosuppressed patients.
- Adopt precautions like N95 masks, CO2 monitors, and careful scheduling for medical appointments to reduce infection risks.

Download PowerPoint Slides: <https://www.healthwatchusa.org/HWUSA-Presentations-Community/PDF-Downloads/20250522-AAKP-Vaccines-PowerPoint.pdf>



## Upcoming HW USA Meetings:

- July 16, 2025. 7 pm ET.
- Aug. 29, 2025. – Webinar
- Sept. 17, 2025. 7 pm ET.
- Oct. 15, 2025. 7 PM ET. Matthew J Campen PhD, MSPH regarding "Bioaccumulation of microplastics in decedent human brains"

Space is limited. To attend future meetings, send an email to [kavanagh.ent@gmail.com](mailto:kavanagh.ent@gmail.com)

## Health Watch USA<sup>sm</sup> – Articles of Interest



### ***The Dismantling of Our Public Health System***

*The following is a Linked In post from an author who was misquoted by the U.S. Dept of Health and Human Services regarding the safety of COVID vaccines in pregnancy. The post is from Anders Hviid from the Staten Serum Institute. The use of AI in generating scientific publications is becoming all too common and AI is accelerating misinformation in the scientific arena. Dr. Hviid's post states:*

### **US HHS Misrepresenting Our Research**

"HHS memo justifying why Covid-19 vaccination should no longer be recommended (sic) in

pregnancy quotes our big global safety study: "Yet another study showed an increase in placental blood clotting in pregnant mothers who took the vaccine." Hmm, I do not recall our study having a cohort of pregnant women or including "placental blood clotting" as an outcome. If you are the HHS, you probably should not rely on hallucinating Gen AI to write your communications."

<https://www.linkedin.com/feed/update/urn:li:activity:7341696923931701248/>

*An important article, medicine has established that vaccines are safer than contracting the disease, but safer does not mean there are not complications. Although rare, vaccines can still be made safer, but few are talking about this.*

### **What RFK Jr. Isn't Talking About: How to Make Vaccines Safer**

— Some scientists are calling for more resources to support people with claims of injury "So far, they've been disappointed. While Kennedy gives the public the impression that vaccines are harmful, he hasn't talked about ways to make them safer. And he's made the problem worse by cutting programs and dismissing scientists who are most knowledgeable of the problems, according to numerous vaccine experts." <https://www.medpagetoday.com/infectiousdisease/vaccines/116244>

### **Diseases are spreading. The CDC isn't warning the public like it was months ago**

"Many of the CDC's newsletters have stopped being distributed, workers at the CDC say. Health alerts about disease outbreaks, previously sent to health professionals subscribed to the CDC's Health Alert Network, haven't been dispatched since March. The agency's main social media channels have come under new ownership of the Department of Health and Human Services, emails reviewed by NPR show, and most have gone more than a month without posting their own new content." <https://www.npr.org/2025/05/21/nx-s1-5387723/cdc-communications-cuts-social-media-public-health>

### **Kennedy Withdraws U.S. Funding Pledge to International Vaccine Agency**

"The U.S. health secretary, Robert F. Kennedy Jr., who has moved to undermine public immunization programs in the United States, took his efforts global on Wednesday, accusing the leading international vaccine organization of having "ignored the science" in immunizing children around the world. In confrontational remarks sent by video to global leaders who had gathered to support the organization, Gavi, Mr. Kennedy said the United States would withdraw its financial support for the group's work purchasing vaccines for children in poor countries." "Any decision made by Gavi with regards to its vaccine portfolio is made in alignment with recommendations by the World Health Organization's Strategic Advisory Group of Experts on Immunization (SAGE), a group of independent experts that reviews all available data through a rigorous, transparent and independent process," Gavi's statement said. "This ensures Gavi investments are grounded in the best available science and public health priorities." "Dr. Atul Gawande, a surgeon who led global health work in the Biden administration, called Mr. Kennedy's remarks "stunning and calamitous."" <https://www.nytimes.com/2025/06/25/health/kennedy-vaccines-gavi.html>

*I would also add that scientists and universities across many different countries would also have to participate in the brainwashing "elaborate ruse" regarding public health recommendations, making it even more improbable.*

### **On Scientific 'Brainwashing': A Public Health Scientist's Reflection**

"For the "brainwashing" theory to hold, this entire transparent process would have to be an elaborate ruse. Thousands of researchers across universities, government agencies, and independent institutions would need to coordinate fabricated data while maintaining the illusion of rigorous peer review. The conspiracy would span regulatory agencies on different continents, academic rivals who rarely agree on anything, and scientists whose careers depend on finding flaws in each other's work." <https://theunbiasedcipod.substack.com/p/on-scientific-brainwashing-a-public>

## **Long COVID**

*Long term damage of a child's cardiovascular system is a significant risk of COVID-19 infections and adds further evidence for the need of vaccination and preventative measures in the pediatric population.*

## **Cardiovascular post-acute sequelae of SARS-CoV-2 in children and adolescents: cohort study using electronic health records**

The relative risk of myocarditis was 3.82 times higher, of atrial fibrillation was 2.64 times higher, and heart failure 1.77 times higher (Cardiomyopathy was 1.78 times higher).

<https://www.nature.com/articles/s41467-025-56284-0>

## **Cardiovascular post-acute sequelae of SARS-CoV-2 in children and adolescents: cohort study using electronic health records**

"Here we show that children and adolescents with prior SARS-CoV-2 infection are at a statistically significant increased risk of various cardiovascular outcomes, including hypertension, ventricular arrhythmias, myocarditis, heart failure, cardiomyopathy, cardiac arrest, thromboembolism, chest pain, and palpitations, compared to uninfected controls. These findings were consistent among patients with and without CHDs (congenital heart defects). Awareness of the heightened risk of cardiovascular disorders after SARS-CoV-2 infection can lead to timely referrals, diagnostic evaluations, and management to mitigate long-term cardiovascular complications in children and adolescents."

<https://www.nature.com/articles/s41467-025-56284-0>

This above article was published just weeks after Harvard and Australian researchers published an article that showed COVID-19 in children "face increased cardiovascular disease risks indicated by blood plasma metabolic changes." <https://www.msn.com/en-us/public-safety-and-emergencies/health-and-safety-alerts/severe-forms-of-covid-19-infection-in-children-may-increase-cardiovascular-disease-risks/ar-AA1Gwshs?ocid=BingNewsSerp>

## **Why Are So Many Children Getting Long COVID?**

"A study by Researching COVID to Enhance Recovery (RECOVER) last year found that up to 5.8 million American children now have long COVID. The authors wrote that this means between 10 to 20 percent of children who tested positive with COVID-19 went on to develop the condition. Their findings suggest that long COVID may have surpassed asthma—which around 5 million youngsters have—as the most common chronic condition experienced by American children." "One reason long COVID continues to affect millions of American children could be related to vaccinations, according to Grossman. "As vaccinations help prevent long COVID and vaccinations were not available to pediatric patients until long after they were for adults, fewer children had protection," she said"

<https://www.newsweek.com/why-are-so-many-children-getting-long-covid-2080950>

*If you want to view some de-politized information regarding COVID-19 look at the insurance data from the Actuaries Institute in the country of Australia.*

## **COVID-19 Deaths the Key Driver for 2024 Excess Mortality to November**

Here is the summary:

For the first 11 months of 2024, against a baseline that includes anticipated COVID-19 deaths, total mortality was 1% higher than predicted, which is just within the 95% confidence interval. The statistically significant outcomes that contributed to this result are:

- COVID-19 mortality was 69% higher than predicted, about the same as in 2023, rather than reducing as we predicted;
- all other respiratory deaths were 7% higher than predicted; and
- cancer mortality was 2% lower than predicted.

There have been five deaths from COVID-19 for every death from influenza.

<https://www.actuaries.asn.au/research-analysis/covid-19-deaths-the-key-driver-for-2024-excess-mortality-to-november>

## ***Other Public Health Issues our Society is Facing***

*Very concerning study regarding our nation's fertility rate. This data is emerging at a time when we are implementing policies of mass deportation and significant worker shortage issues are being created. It is being reported that President Trump will be issuing a "temporary pass" for migrant farm and hotel workers (KRON San Francisco, June 20, 2025).*

### **Threshold fertility for the avoidance of extinction under critical conditions**

"The worldwide total fertility rate (TFR, the number of children per woman) has dropped from 5.3 in the 1960s to 2.3 in 2023. ...all Group of Seven (G7) countries have fertility rates below RLF: Italy at 1.29, Japan at 1.30, Canada at 1.47, Germany at 1.53, the United Kingdom at 1.57, the United States of America at 1.66 and France at 1.79. The (study's) results indicate that the fertility rate should exceed 2.7 to avoid extinction. The extinction threshold is reduced by a female-biased sex ratio. We argue that the present results explain the observed phenomena of female-biased births under severe conditions as an effective way to avoid extinction. Furthermore, since fertility rates are below this threshold in developed countries, family lineages of almost all individuals are destined to go extinct eventually."

<https://journals.plos.org/plosone/article?id=10.1371/journal.pone.0322174>

*I was hoping the Bird Flu outbreak would stop at least until the fall. Needless to say, the bird flu is very active, and we should be making and funding vaccines.*

### **'This is a travesty': Neighbors want groundwater protections as Hickman's farm digs burial grounds for chickens**

"A massive bird flu outbreak at Arizona's largest egg producer has killed millions of chickens, sparking concerns among neighbors about how the company plans to dispose of the carcasses and potential contamination of local drinking water. Hickman's Family Farms, the largest egg producer in the Southwest, has lost about 6 million of its chickens in the state due to avian flu, according to company President Glenn Hickman." <https://www.msn.com/en-us/news/us/this-is-a-travesty-neighbors-want-groundwater-protections-as-hickman-s-farm-digs-burial-grounds-for-chickens/ar-AA1Gbadl>

## ***Strategies to Improve Public Safety***

*An interesting report from the National Bureau of Economic Research, Cambridge MA, which estimated that 21,800 deaths from COVID-19 occurred in 2022 from the removal of mask mandates in schools.*

### **SPILLOVERS FROM PUBLIC HEALTH POLICIES IN SCHOOLS: EVIDENCE FROM COVID MASK MANDATES**

"Schools have long played a frontline role in efforts to contain infectious diseases and prevent spread to the wider community. These include vaccination requirements, school closures during periods of high illness, and the implementation of non-pharmaceutical interventions (NPI) during outbreaks. In this paper we investigate the impact of mask mandates in schools on COVID spread. We use event study and difference-in-differences models that exploit the removal of mask mandates in districts serving 50% of public-school students in the U.S. surrounding the revocation of CDC guidance

recommending school masking in February and early March of 2022. We estimate that going from 0% to 100% mandated masking in a county reduces COVID deaths by 0.57 per 100k people. We further estimate that the removal of mandates during this time contributed to 21800 COVID deaths through the rest of 2022, 9% of the U.S. total that year. Due to the fact that COVID deaths among students and, to a lesser extent, school staff were rare in the U.S. given school age profiles, we argue that the bulk of these deaths were from spillovers to residents in the wider community."

<https://s3.documentcloud.org/documents/25960405/w33849.pdf>

**Study finds removing school mask mandates contributed to 22,000 U.S. COVID deaths in a year** Los Angeles Times: <https://www.latimes.com/business/story/2025-06-05/study-finds-that-removing-school-mask-mandates-contributed-to-22-000-u-s-covid-deaths-in-just-one-year>

*Good News!! New study finding over 60% reduction in the development of Long COVID with 3 or more doses of vaccine.*

### **The Effect of COVID-19 Vaccination on the Risk of Persistent Post–COVID-19 Condition: Cohort Study**

"We conducted a population-based cohort study in Stockholm, Sweden, to investigate the effect of COVID-19 vaccination on the risk of developing persistent post–COVID-19 condition (PCC) in individuals surviving the first year after a SARS-CoV-2 infection. In total, 331 042 individuals were included, of which 852 had persistent PCC. The adjusted risk ratio for developing persistent PCC compared with unvaccinated individuals was 0.81 (95% confidence interval [CI], .59–1.10) for 1 dose, 0.42 (95% CI, .35–.52) for 2 doses, and 0.37 (95% CI, .27–.52) for 3 doses. Reduced risks for vaccinated individuals were also observed when restricting the analyses to pre-Omicron and Omicron, as well as all subgroups including sex, age, and previous infection." Mar. 12, 2025.

<https://academic.oup.com/jid/article/231/5/e941/8071565?login=false>

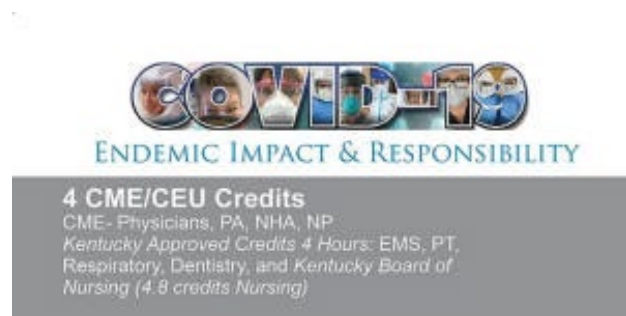
### **Microsoft says its new health AI beat doctors in accurate diagnoses by a mile**

- Microsoft said its medical AI diagnosed cases four times as accurately as human doctors.
- The AI system also solved cases "more cost-effectively" than its human counterparts, Microsoft said.
- The study comes as AI's growing role in healthcare raises questions about its place in medicine.

The experiment involved 304 case studies sourced from the New England Journal of Medicine. Both the AI and physicians had to solve these cases step by step, just like they would in a real clinic: ordering tests, asking questions, and narrowing down possibilities. The AI system was paired with large language models from tech companies like OpenAI, Meta, Anthropic, and Google. When coupled with OpenAI's o3, the AI diagnostic system correctly solved 85.5% of the cases, Microsoft said. By contrast, 21 practicing physicians from the US and UK — each with five to 20 years of experience — averaged 20% accuracy across the completed cases, the company added. In the study, the doctors did not have access to resources they might typically tap for diagnostics, including coworkers, books, and AI.

<https://www.msn.com/en-us/health/other/microsoft-says-its-new-health-ai-beat-doctors-in-accurate-diagnoses-by-a-mile/ar-AA1HJJQi>

## Active Continuing Education Courses



### COVID-19: Endemic Impact & Responsibility

Four credit hours for Physicians - Category I AMA Credits and four hours of corresponding Kentucky Board Accreditation, Physical Therapy, Respiratory, EMS, & Nursing (4.8 hrs.)

#### Course Objectives:

- To better diagnose and recognize the multiple presentations of Long COVID, including behavioral health implications.
- To be able discuss with patients the importance of preventing COVID-19 and other respiratory diseases.
- To combat patient misinformation regarding vaccines and the risks of COVID and Long COVID.
- To identify and reschedule patients who missed disease screenings during the pandemic.
- To discuss how COVID-19 is spread through the air by a continuum of particle sizes.
- To discuss with office staff and other health care professionals strategies to prevent the spread of respiratory pathogens including use of N95 masks and improvement in indoor ventilation.
- To better discuss with patients the benefits and need for vaccinations.

Link to Course (Southern Kentucky AHEC)

<https://sokyahec.thinkific.com/courses/COVID-enduring>

Download Brochure: [https://www.healthconference.org/healthconference.org-files/2024Conference\\_downloads/20240901-HWUSA\\_Brochure-AHEC.pdf](https://www.healthconference.org/healthconference.org-files/2024Conference_downloads/20240901-HWUSA_Brochure-AHEC.pdf)

## Health Watch USA<sup>sm</sup> – Combating Misinformation

We have posted a number of COVID-19 resources regarding common areas of misinformation. These include:

- The Dangers of Long COVID and COVID-19 in Children: [Download Resource](#)
- COVID-19 Vaccine Prevention of Long COVID: [Download Resource](#)
- COVID-19 Vaccine's Effectiveness & Risks: [Download Resource](#)
- The ineffectiveness of Hydroxychloroquine & Ivermectin in the treatment of COVID-19: [Download Resource](#)

## Health Watch USA Op-eds Regarding COVID-19 and Children:

- COVID is still a problem, and we need to do more to stop it | Opinion. Lexington Herald Leader. Nov. 1, 2024. <https://www.kentucky.com/opinion/op-ed/article294875999.html#storylink=cpy>
- COVID is closing Kentucky schools – again. Embracing disinformation paralyzes our response. Sept. 6, 2023. USA Today. <https://www.usatoday.com/story/opinion/2023/09/06/kentuckyschool-districts-close-covid-upgrade-buildings-ventilation/70765140007/>
- 70% of COVID-19 Cases Transmitted By Children. Infection Control Today. June 5, 2023. <https://www.infectioncontrolday.com/view/70-covid-19-cases-transmitted-by-children>

## Health Watch USA<sup>sm</sup> – 2023 & 2024 Conference Presentations

### COVID-19: Endemic Impact & Responsibility

#### Link to 2024 Presentation Videos:

[COVID-19: Endemic Impact & Responsibility Sept. 1, 2024](#)

#### Link to 2023 Presentation Videos:

[Long COVID's Impact on Patients, Workers & Society](#)

**Download & View 2023 Conference Proceedings:** Kavanagh KT, Cormier LE, Pontus C, Bergman A, Webley W. Long COVID's Impact on Patients, Workers & Society. Medicine. Published Mar. 22, 2024. [https://journals.lww.com/md-journal/fulltext/2024/03220/long\\_covid\\_s\\_impact\\_on\\_patients\\_workers\\_.50.aspx](https://journals.lww.com/md-journal/fulltext/2024/03220/long_covid_s_impact_on_patients_workers_.50.aspx)

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# Health Watch USA<sup>SM</sup> - Peer-Reviewed Publications



## Viewpoint: The Impending Pandemic of Resistant Organisms – A Paradigm Shift Towards Source Control is Needed

The United States needs a paradigm shift in its approach to control infectious diseases. Current recommendations are often made in a siloed feedback loop. This may be the driver for such actions as the abandonment of contact precautions in some settings, the allowance of nursing home residents who are carriers of known pathogens to mingle with others in their facility, and the determination of an intervention's feasibility based upon budgetary rather than health considerations for patients and staff.

Data from both the U.S. Veterans Health Administration and the U.K.'s National Health Service support the importance of carrier identification and source control. Both organizations observed marked decreases in methicillin-resistant *Staphylococcus aureus*

(MRSA), but not methicillin-susceptible *Staphylococcus aureus* infections with the implementation of MRSA admission screening measures.

Facilities are becoming over-reliant on horizontal prevention strategies, such as hand hygiene and chlorhexidine bathing. Hand hygiene is an essential practice, but the goal should be to minimize the risk of workers' hands becoming contaminated with defined pathogens, and there are conflicting data on the efficacy of chlorhexidine bathing in non-ICU settings.

Preemptive identification of dedicated pathogens and effective source control are needed. We propose that the Centers for Disease Control and Prevention should gather and publicly report the community incidence of dedicated pathogens. This will enable proactive rather than reactive strategies. In the future, determination of a patient's microbiome may become standard, but until then we propose that we should have knowledge of the main pathogens that they are carrying. *Medicine* Aug. 2, 2024. [https://journals.lww.com/md-journal/fulltext/2024/08020/viewpoint\\_the\\_impending\\_pandemic\\_of\\_resistant.46.aspx](https://journals.lww.com/md-journal/fulltext/2024/08020/viewpoint_the_impending_pandemic_of_resistant.46.aspx)

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