



October 31, 2025

Weekly Situational Awareness Brief

Awareness Topics

Nov 2, 2025 - Daylight Saving Time Ends

"When local daylight time is about to reach Sunday, November 2, 2025, 2:00:00 am clocks are turned backward 1 hour to Sunday, November 2, 2025, 1:00:00 am local standard time instead."

America's health care system is working out how to function with fewer immigrants and an aging population—it's not going particularly well

"America's health care system is straining under the twin pressures of an aging population and a stretched pool of health care providers. Doctors told Fortune that policies limiting skilled visas and student entries could deepen labor shortages in areas such as geriatrics and rural medicine, where immigrant staff have long filled gaps."

Medication Use Associated with Gut Microbiome Changes Years Later

"A recent study found that past medication usage—even those used years prior—may have a lasting effect on the gut microbiome. This was true for antibiotics as well as for many non-antibiotic drugs including antidepressants, proton pump inhibitors, and beta-blockers."

Nearly 1 in 5 urinary tract infections tied to E coli in meat

"Foodborne E coli is generally associated with gastrointestinal illness and certain diarrhea-causing strains, such as Shiga toxin-producing E coli, are tracked by industry and US health officials to make sure they are not contaminating the food supply and posing a risk to people. But the research Price and his colleagues have been conducting suggests that foodborne ExPEC strains that enter the urinary tract are an underappreciated cause of the 8 million UTIs diagnosed each year in the United States."

AI is about to supercharge cyberattacks

"U.S. companies are up against a ticking time bomb: Thanks to AI, hackers are on the verge of launching fully automated cyberattacks that can move faster, smarter and more personally than ever. Why it matters: Those attacks could halt production at factories, knock hospitals offline or control power grids — all before anyone even realizes something's wrong."

From Soundwaves to Brainwaves: The Transformative Power of Music

"The human brain has musical features integrated into its physiological patterns. The intrinsic rhythm of brainwaves, those natural oscillations that underlie consciousness, cognition, creativity, dreams, and everything in between, form the basis of musical perception and cognition."

The Cyber-Insecurity of Medical Devices

"A recent report suggests that healthcare is among the top 10 industries targeted by interactive intrusions that are "exceptionally difficult to detect." The cybersecurity of medical devices has become critical since most devices are entirely software-based or have integrated software that enables them to connect to other devices or networks to transfer, receive, or exchange data."

Upcoming MESH Educational Offerings

Naloxone Administration Training

You can learn how to save a life in just one hour.

November 13, 2025 | 10am, 11am, or 1pm EST | 1202 W. 16th St. Indianapolis, IN, 46202

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Setting Down What Isn't Yours: A Workshop on Vicarious Trauma

Every day, you show up for others. You listen. You witness pain. You hold space.

But you don't have to carry the burden of someone else's trauma anymore —

you have the power to set it down.

January 27, 2026 | 1-4pm EST | Virtual via Zoom | \$30.00 + Eventbrite Fee

Emergency Preparedness & Resilience Coach

It doesn't take a hurricane to disrupt a life. When resources are already limited, even small disruptions can have big consequences. This course helps you understand where real needs begin—with everyday vulnerabilities—and how to meet them through simple, powerful steps. **This isn't just disaster training. It's people training—practical, human-centered, & real.**

Five cohorts offered between February & June 2026 | 4-week program | One 3-hour session per week | Virtual via Zoom | Free, Grant Funded

[Visit our Website](#)

Upcoming MESH Conference Presentations

2025 IASN Annual School Nurse Conference

Monica Morphew, RN, BSN, MS(c), and Dr. Jim Floyd will be presenting "Mass Casualty Presentation."

November 10 & 11, 2025

National Healthcare Coalition Preparedness Conference 2025

Dr. Jim Floyd is presenting "Geospatial Insights: Hazard Vulnerability and Community-Based Asset Mapping" and "Psychological Safety at Work."

December 1-3, 2025

Events

[Click Here for Current and Upcoming Events List](#)

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MESH serves as the designated Medical Multi-Agency Coordination Center for Marion County, Indiana. The MESH Intelligence Program is a joint-effort between the City of Indianapolis Emergency Management Agency and the Marion County Public Health Department designed to provide real-time information and support to the healthcare sector in the Indianapolis area. Assistance with info or questions at: MESHintel@meshcoalition.org

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