



August 01, 2025

Weekly Situational Awareness Brief

Awareness Topics

White House unveils AI strategy with healthcare focus

"The White House has released "America's AI Action Plan," a national strategy to accelerate AI adoption across key sectors — with healthcare identified as a top priority for reform, innovation and workforce development."

World Health Organization (WHO) has just released the Integrated Guidelines on the Clinical Management of Arboviral Diseases

"The new WHO guidelines provide clinical management recommendations for four of the most widespread arboviruses affecting humans: dengue, chikungunya, Zika, and yellow fever."

US Nitrous Oxide Mortality

"More than 13 million people in the US report using the inhalant drug nitrous oxide (also known as laughing gas or whippets) in their lifetime. Nitrous oxide misuse poses serious health risks, such as oxygen deprivation, which may result in hypoxia, neurological damage, and even death. Emergency department visits related to nitrous oxide misuse are increasing."

Global Health Crises: Leadership Matters

“As crises unfold and more reliable information about risk and vulnerability becomes available, effective crisis leaders must make proactive decisions, build resilience, and collaborate across sectors. Working together, leaders can anticipate risks, adapt swiftly, and drive coordinated efforts to mitigate global health disruptions.”

Transformative collaborations in a time of change: Europe’s unique model for public-private-philanthropic partnerships

“Translating health innovations into lasting impact is difficult. Patients, researchers, industry, regulators, healthcare systems, and civil society all hold a piece of the jigsaw. And, as we are putting the pieces together, the picture on the box is evolving.”

A Roadmap of Primary Pandemic Prevention Through Spillover Investigation

“Spillovers do provide actionable data. Once an emerging pathogen infects a human, a public health threat is actualized. Those events garner our attention and concern much more than hypothetical risk warnings.”

West Nile Virus Infection: Get Ready for an Uptick in Cases

“The most common cause of mosquito-borne arboviral infection in the U.S. is West Nile virus. Because most U.S. cases occur between July and October, two recently published articles are especially timely — a narrative review published in JAMA and a systematic review published in Annals of Neurology.”

Influenza-Associated Acute Necrotizing Encephalopathy in US Children

“Influenza-associated ANE represents a rare but devastating neurologic complication primarily affecting previously healthy children. The high morbidity and mortality emphasize the need for prevention, early recognition, intensive treatment, and standardized management protocols.”

Changes in Pediatric Inpatient Capabilities and Emergency Department Pediatric Readiness

“Most children in the US are evaluated in general emergency departments (ED)s that see fewer than 10 to 15 pediatric patients per day, where pediatric-specific resources may vary. Changes in pediatric inpatient capabilities, particularly the loss of pediatric-specific inpatient units, may negatively impact hospital resources extending to the ED.”

Upcoming MESH Educational Offerings

Grand Rounds with Sam Lashley

August 12, 2025 | 1-2 pm EST | LIVE via Zoom

Caring for You, Caring for Me

Six-Session Course, Wednesdays - August 20 - September 24, 2025 | 1-3:30 pm EST |
LIVE via Zoom

Talk Saves Lives

August 21, 2025 | 1-2 pm EST | LIVE via Zoom

OSHA Workplace Stress Management

August 28, 2025 | 1-4 pm EST | LIVE via Zoom

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Events

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