



IEM Health | Your Partners in Public Health Policy, Preparedness & Response

For almost four decades, IEM remains at the forefront of supporting the nation's most significant public health, emergency management, and homeland security threats.

Our **multidisciplinary team of scientists, medical researchers, epidemiologists, medical preparedness and response planners, disease progression modelers, contact tracers, and public health policy analysts** are committed to helping federal, state local, tribal, and territorial governments overcome their most pressing challenges. Our public health and medical experts are experienced clinicians in the areas of public health policy, emergency care, critical care, medical-surgical, hospital administration, and emergency medical services.

Leveraging IEM's cross functional teams, IEM brings decades of **emergency management and disaster recovery, geospatial information systems (GIS), emerging technology, and communications and outreach expertise** to supplement our world class public health team in our policy, preparedness, and response initiatives.

Leaders in Creating Informed and Resilient Communities through Preparedness

IEM has extensive experience curating community-specific needs assessments and developing strategic communication and outreach plans to raise awareness of an issue or highlight available assistance to the public. IEM has planned, coordinated, and executed local, statewide, and territory-wide grassroots outreach campaigns. **No matter the need, whether it's to relay timely safety messaging following a public health crisis or to promote available medical resources – IEM stands ready to help you in your preparedness or response efforts.** Using innovative tools, we can equitably deliver a targeted campaign that reaches an area's most vulnerable populations and meets them where they are.

Our emergency management and public health planners have experience developing preparedness programs, providing training, and executing exercises to help your jurisdiction continually grow its public health capabilities and in-house expertise.

The IEM Impact

IEM's COVID-19 modeling was included in the Center for Disease Control's public facing ensemble model and received the *Washington Technology 2020 Industry Innovator Award*. IEMer, Dr. Sid Baccam, was recognized by *Time* magazine for his impact on international efforts following IEM modeling and simulation driving South Korea's approach to COVID-19 testing and screening.

IEM QUICK FACTS

Founded
1985

Headquarters
Research Triangle Park, NC

Office Locations
Washington, D.C. • Baton Rouge, LA • Tallahassee, FL • Conroe, TX • Bel Air, MD • Neptune, NJ • Pueblo, CO • Richmond, KY • San Juan, PR • Aguadilla, PR

Our Experts
The expansive IEM team includes public health, emergency management, homeland security, disaster recovery, and national security professionals, former senior-level FEMA, HUD, DOD, and state and local officials as well as technical and subject matter experts.

Key Service Areas

- Public Health and Medical
- Disaster Recovery and Management
- Homeland Security and Emergency Management
- Defense and National Security
- Digital Services

Leveraging Science | IEM Pandemic Modeling and Simulation

For over 20 years, IEM supported the Department of Health and Human Services (HHS) and its planning and modeling for pandemics and medical countermeasures requirements, including modeling the medical consequences of an anthrax attack and the effectiveness of U.S. Postal Service delivery of medical countermeasures (MCMs). IEM’s modeling following the 2001 anthrax attacks and other disease outbreaks informed two Presidential policies – one from President George W. Bush (2007) and another from President Barack Obama (2009).

Leveraging our decades of support to HHS for medical consequence modeling and our proprietary artificial intelligence (AI) models, IEM developed coronavirus modeling and a COVID-19 Projection Dashboard. During the pandemic, our coronavirus model outputs were executed daily to help localities and their officials in public health and emergency management better plan and prepare for hospitalizations, locate drive-through testing facilities, and determine where increased levels of transmission may be occurring. The outputs were generated by running over eleven million simulations to best fit the states’ data to project new cases over a seven-day period, which were typically within 10%, and often 5% of actual confirmed cases.

COVID-19 Response

Since day one, IEM has been involved in the fight against the COVID-19 pandemic:

- staffing Emergency Operations Centers (EOCs) around the country;
- assisting governments with planning and recovery efforts;
- setting up COVID-19 medical logistics and operations;
- providing *pro bono* modeling data to every state, territory, and significantly impacted county across the country; and
- providing lifesaving vaccinations, testing, and monoclonal antibodies through turnkey facilities.



IEM HEALTH’S COVID-19 RESPONSE EFFORTS (as of October 2022)

IEM Health Capabilities | How Can We Help You?

- Vaccine Distribution Program Management
- Health & Medical Preparedness
- Medical Logistics Services
- Health Policy Analysis
- Public Health Staff Augmentation
- Testing Program Management
- Contact Tracing
- Medical Program and Grant Management Services
- Medical Consequence Modeling (MCM)
- Epidemiological Modeling
- Modeling and Simulation
- AI-based Modeling

IEM Leadership | Cross-Functional Team of Subject Matter Experts



Bryan Koon
VP of Homeland Security & Emergency Management
Bryan.Koon@iem.com

Koon is a nationally recognized leader in the field of emergency management, disaster recovery, and resilience. Koon brings a well-rounded background of military, consultant, corporate business, and public sector from his tenure overseeing Walmart’s emergency management and as the Florida Division of Emergency Management Director during the 2016 and 2017 hurricane seasons.



Dr. Rashid Chotani
Chief Medical Director
Rashid.Chotani@iem.com

Dr. Chotani has spent over 20 years providing biodefense, infectious disease (with a focus on influenza, coronavirus, zika, Ebola, CCHF, dengue), and public health expertise to public agencies, private industry, academia, and non-profits. He is a recognized expert in medical countermeasure (MCM) development, biosecurity, healthcare management, health surveillance, and the diagnosis of human and zoonotic diseases.



Dr. Sid Baccam
Manager, Emerging Technologies
Sid.Baccam@iem.com

Dr. Baccam is a Computational Epidemiologist with more than 20 years of experience in medical consequence modeling and simulation of disease outbreaks. He develops simulation models and decision support tools for public health, disaster response, and medical countermeasures to enhance data-driven decision making and improve modeling assumptions.