

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

For nearly four decades, IEM has remained 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 and the private sector 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, 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 or highlight available assistance to the public and key stakeholders. IEM has planned, coordinated, and executed local, stateside, 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 expand and improve 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 COVID-19 testing and screening approach.

QUICK FACTS

Founded

1985
Woman- and Minority-
Founded
and Owned

Headquarters

Research Triangle Park, NC

Our Experts

The expansive IEM and IEM Health teams includes public health, emergency management, homeland security, disaster recovery, national security, data modeling, and digital service professionals, former executives, and senior leaders from FEMA, DHS, HUD, DoD, as well as senior state and local officials from across the country.

Key Service Areas

- Disaster Recovery
- Digital Services
- Emergency Management
- Homeland Security
- National Security
- Public Health
- Stakeholder Engagement, Outreach and Communications

Leveraging Science | IEM Pandemic Modeling and Simulation

Starting in 2003, IEM supported the U.S. Department of Health and Human Services (HHS) and its planning and modeling for pandemics and medical countermeasures (MCMs) requirements, including modeling the medical



consequences of an anthrax attack and the effectiveness of U.S. Postal Service delivery of 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 one 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 local officials, emergency managers, and public health personnel better plan and prepare for hospitalizations, locate drive-through testing facilities, and determine where increased levels of transmission may be

occurring. The daily 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 ten percent (10%) and often five percent (5%) of confirmed cases.

COVID-19 Response

Starting day one, IEM was involved in the fight against the COVID-19 pandemic:

- staffing Emergency Operations Centers (EOCs) around the country;
- assisting governments with planning and recovery efforts, including cost recovery;
- establishing 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

IEM Health Capabilities | How Can We Help You?

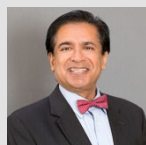
- AI-based Modeling
- Community Health Planning and Assessments
- Contact Tracing
- Epidemiological Modeling
- Health & Medical Preparedness
- Health Policy Analysis
- Medicaid and CMS Consulting
- Medical Consequence Modeling (MCM)
- Medical Logistics Services
- Medical Program and Grant Management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

IEM Leadership | Cross-Functional Team of Subject Matter Experts



Bryan Koon
President and Chief
Executive Officer
Bryan.Koon@iem.com

Bryan is a nationally recognized leader in the field of emergency management, disaster recovery, and resilience. He 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
Senior Advisor, National
Security 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.