



COVID-19 VACCINE DISTRIBUTION PLANNING, LOGISTICS, & PROGRAM MANGEMENT

The Coronavirus pandemic continues to impact our daily lives, leaving a tremendous impact on human life and the global economy. With three vaccines currently available under Emergency Use Authorizations, state, local, tribal and territorial (SLTT) officials are distributing, tracking, and administering vaccines.

This arduous effort requires SLTT officials to develop, execute, and re-evaluate a vaccination plan that best fits their jurisdictions. IEM is ready to apply our extensive public health and COVID-19 experience to help manage your vaccination plans – mass vaccination centers, community health-oriented centers, or even mobile centers – in a **strategic and equitable** means.

IEM's Health Experience

IEM Health's public health and pandemic expertise is world class. Our pandemic and medical countermeasures (MCM) modeling work remains the basis for federal government policies and plans that are in use today. Our team works every day to **enable data-driven planning** at all levels of government and in the private sector. We help public health agencies and healthcare organizations overcome the challenges they face preparing for and responding to disease outbreaks, emergencies, and disasters. Our research serves as the basis for key studies on designing points of dispensing for mass prophylaxis following a bioterrorism event as well as Presidential Executive Orders on biological attacks. **In spring 2020, our expert's work informed South Korea's approach to COVID-19 testing and screening.**

Considering the public health work being done and the staff expertise, IEM Health was created to address all public health and medical issues facing our nation. **IEM Health's mission is to provide innovative solutions to the nation's public health crisis.** IEM Health is currently supporting vaccination efforts in the following places:

- **In Illinois**, IEM is assisting the Illinois Department of Public Health (IDPH) with planning, logistical operations and quality improvement services for statewide COVID-19 mass vaccination activities that are ongoing;
- **In Florida**, vaccine clinic and logistics support in diverse communities across the State as well as helping to lead the Community Vaccinations Branch, managing multiple strategies that the State is utilizing to accelerate and coordinate vaccination efforts, such as faith-based Points of Dispensing, 55-and-older communities, health equity sites, and support of state- and county-led missions via regional incident management teams.; and
- **In Virginia**, vaccine clinic and logistics support in seven cities encompassing rural, urban, and diverse communities.

IEM QUICK FACTS

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Office Locations

Research Triangle Park, NC (HQ) | 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
- Emerging Technologies

IEM Health's vaccine distribution planning, logistics, and program management operations account for the complexity, scale, and speed required to distribute immunization resources. Our capabilities include:

- **Planning:** Stockpile Locations, Staging Areas, Coordination and Points of Distribution (PODS);
- **Program Management;**
- **Logistics** to include Supplies and Transportation; and
- **Communications and Outreach.**

Throughout the COVID-19 vaccination planning and implementation, the IEM Health team ensures that:

- **Federal funds are maximized** – using our COVID-19 Center of Excellence, IEM Health can help identify federal resources available and ensure no monies are left on the table;
- **State and local resources are utilized** when available and possible – to expedite the process and ensure staffing and supplies are on hand;
- Our **unrivaled public health and emergency management expertise**, planning support, and tools will operationalize your vaccine plan – we capitalize on more than 15 years of support to HHS and state and local program for biological and novel disease modeling and public policy;
- **Best practices and benchmarking** are brought to bear for your communities – throughout this pandemic, IEM has been documenting in jurisdictions around the nation what has worked and what has not allowing for quick access to tested practices and methods; and
- **Business process improvement and continuous improvement** are a cornerstone of our efforts – to ensure that your jurisdiction is capable to provide high-level support and assistance to those in your community who need it most.

IEM Health uses risk-based, data-driven services to help decision-makers achieve results. We review and revise plans and procedures on an ongoing basis to include new information and the input of stakeholders and key players. Our experience in building and developing asset management plans, coordinating and collaborating with federal, SLTT and private sector partners to ensure that vaccination resources are adequately ordered, tracked, delivered, and reported for transparency is unmatched.

IEM Health understands what is needed during this pandemic and wants to help the nation navigate through this crisis. Bring our seasoned experts in project management and logistic services to your jurisdiction.

IEM HEALTH's AI-Based COVID-19 Projections and Vaccine Distribution

Using state-of-the-art technology, IEM built an artificial intelligence (AI) COVID-19 model that is executed on a daily basis to evaluate the changing dynamics of the COVID-19 pandemic. Our AI projections are typically within 10%, and are often within 5%, of actual confirmed cases. Through the use of our AI-based modeling, IEM is assisting with COVID-19 vaccination program planning. A sample of IEM HEALTH's services based on our AI-based COVID-19 modeling, includes:

- Developing and adjusting COVID-19 vaccination plans to include timelines, deliverables, prioritization, and metrics based on real-time and projected cases.
- Examine the change in transmission rates (new cases) in the different regions to better determine vaccine deployment and prioritization.
- Design and help identify appropriate and optimal geographic locations for vaccine distribution using key metrics.
- Identify communities at highest risk.

IEM is a national leader in public health policy, planning, modeling, and response.

IEM Health LEADS

Through existing contract vehicles and rapid procurement, including standby contracts, IEM is prepared to address your critical emergency and healthcare preparedness and response needs for the Coronavirus pandemic.

Contact us to learn more.



Dr. Rashid Chotani

(IEM Health, Chief Medical Director) 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. Prasith "Sid" Baccam

(Manager, Emerging Technologies) 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.

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