



All disasters — extreme weather, pandemics, hurricanes, earthquakes, hazardous materials exposures, and floods — have health and medical impacts that require strategic and operational preparedness planning, careful resource management, thoughtful evaluation of responses, and meticulous information sharing and analysis across all stakeholders, public and private.



MDB has decades of experience leading all-hazards emergency public health, healthcare emergency management, and field medical operations. We carefully and thoughtfully analyze hazards, design, conduct, evaluate plans, and annexes through discussion- and operations-based exercises that bring our clients high-quality, long-term results. Our long-standing partnerships with local, state, and federal healthcare, public health, and emergency management officials enable us to provide experience-driven support that we tailor to each client's needs. Public-private partnerships are often the key to addressing contemporary problems facing communities before, during, and after disasters. Our team comprises distinguished clinical and operational experts, public health practitioners, and strategists who bring their collective experience and enthusiasm to everything we do. We actively advance health equity, worker safety and health, and community resilience, through creative, multidisciplinary approaches.

Our emergency public health services include:

 **Public Health and Medical Preparedness, Response, and Recovery**

- All-hazards healthcare system preparedness
- Infectious disease outbreaks management
- Medical countermeasure stockpiling, distribution, and dispensing

 **Training and Education**

- Conducting research to support curriculum development in adult education
- Preparing disaster guidance and training content in multiple languages
- Engaging communities on hazard and public health protections

 **Communications and Resource Development**

- Creating safety guides, infographics, and modules for disaster workers
- Developing and managing disaster preparedness mobile apps
- Developing technical and public health outreach materials

 **Performance Management and Program Evaluation**

- Strategic advisory services
- Systemwide gap analyses
- Smart technology integration

OUR EXPERIENCE

MDB supports emergency public health projects for public, private, and nongovernmental clients responding to public health emergencies including:

- Anthrax outbreak
- Ebola virus
- Fukushima Daiichi nuclear disaster
- COVID-19, H1N1 Pandemics
- Hurricanes Maria (2017), Sandy (2012)

MDB's emergency public health mission support includes:

HEALTHCARE COALITIONS AND REGIONAL DISASTER HEALTH RESPONSE SYSTEMS

MDB supports HHS-funded Healthcare Coalitions (HCCs) and Regional Disaster Health Response System Recipients, providing all-hazards emergency management planning, training and exercise design, conduct, and evaluation. Our work includes the development of Emergency Operations Plans and infectious diseases, radiation/nuclear emergencies, and chemical emergency surge functional annexes. MDB collaboratively designs, conducts, and evaluates Homeland Security Exercise and Evaluation Program (HSEEP)-compliant training, exercises, and evaluations that have reached more than 1,500 participants. Recent exercises explored topics such as pediatric infectious disease patient surge, train derailments and chemical emergencies, National Disaster Medical System (NDMS) activations, multi-county radiation incidents and a statewide infectious disease outbreak. Virtual exercises explored issues such as shelter-in-place during extended power outages, aircraft incidents, and long-term care facility evacuations.



CONTINUED FROM OTHER SIDE

NIEHS WORKER TRAINING PROGRAM

Since 2000, MDB has managed and operated the National Clearinghouse for Worker Safety and Health Training (Clearinghouse), an online repository of safety and health training resources produced and collected by WTP. We provide subject matter expertise, communications support, training development, event and training planning, and library and information science and analyses to support all WTP Clearinghouse projects and WTP grantees. This includes program and training evaluations, landscape assessments and gap analysis, training development and delivery as well as rapid resource development for emergencies and disasters.



Our team has produced trainings, analysis, and research on disasters including Ebola, the Opioid crisis, mental health, COVID-19, Hurricanes, Floods, Tornados, Earthquakes, Tsunamis/nuclear radiation exposures, avian flu, dirty bombs, oil spills, wildfires and mold exposures. MDB also developed the Material Upload and Search Tool for Infectious Disease (MUSTID), an online portal and database that contains pertinent articles, guidance documents, and other resources related to infectious diseases.

DISASTER RESEARCH RESPONSE PROGRAM

For more than a decade, MDB has supported the National Institutes of Health Disaster Research Response Program (DR2), which provides tools, training, and funding to empower human health research in response to disasters and public health emergencies. MDB developed a DR2 Concept of Operations that outlines responsibilities for the preparation and deployment of a research team following a disaster and describes integration of DR2 into the national framework of disaster response and recovery. MDB assists NIEHS with developing, organizing, facilitating, and evaluating workshops and training events around the country that bring together scientists, community leaders, and representatives from industry and state and local health organizations.



VETERANS HEALTH ADMINISTRATION

The Veterans Health Administration (VHA), Office of Emergency Management, undertook a comprehensive initiative to enhance all-hazards emergency preparedness and response capabilities in the wake of the COVID-19 pandemic. This involved developing and updating key planning tools, policies, and procedures, including a standardized Hazard Vulnerability Analysis (HVA) and Threat Hazard Identification Risk Assessment (THIRA). MDB provided expert support including creating templates and guidance for VHA facilities, facilitating stakeholder surveys, and developing government stockpiles.

ADMINISTRATION FOR STRATEGIC PREPAREDNESS AND RESPONSE

MDB has supported the Department of Health and Human Services' Administration for Strategic Preparedness and Response (ASPR) across multiple public health emergency events, including Ebola, hurricanes, and the COVID-19 public health crisis. Following hurricane events, MDB provided public health specialists to work on-site in Puerto Rico, Texas, and Florida to assist with the long-term recovery of the public health and medical infrastructure. During the COVID-19 pandemic, MDB supported ASPR with information management and medical logistics specialists to support the HHS Secretary's Operations Center (SOC) and the Strategic National Stockpile (SNS).

NATIONAL DISASTER MEDICAL SYSTEM PILOT PROGRAM

MDB supports the Denver Site Team for the National Disaster Medical System (NDMS) Pilot Program, a DoD effort to improve military-civilian interoperability and capacity to care for combat casualties who repatriate to the U.S. Our projects include:

- Validation of rapid patient discharge tools during crisis standards of care
- Developing an NDMS Federal Coordinating Center (FCC) - Healthcare Coalition (HCC) integration model
- Creating an NDMS Definitive Care Training Program
- Modelling economic impacts of a protracted repatriation of military casualties
- Literature Review of Alternate Care Facilities best practices to inform the 'hotel 2 hospital' playbook.

To access MDB, contact Senior Advisors [Kevin Yeskey](#) at kyeskey@michaeldbaker.com, or President and CEO [Michael Baker](#) at michael@michaeldbaker.com or via phone at **(202) 331-0060**.



MDB holds a GSA Multiple Award Schedule: Contract 47QRAA20D0028, that allows us to offer a wide range of professional services to the U.S. federal government.