

# Health Preparedness

## Implementing Mitigating Strategies in Conditions of Uncertainty

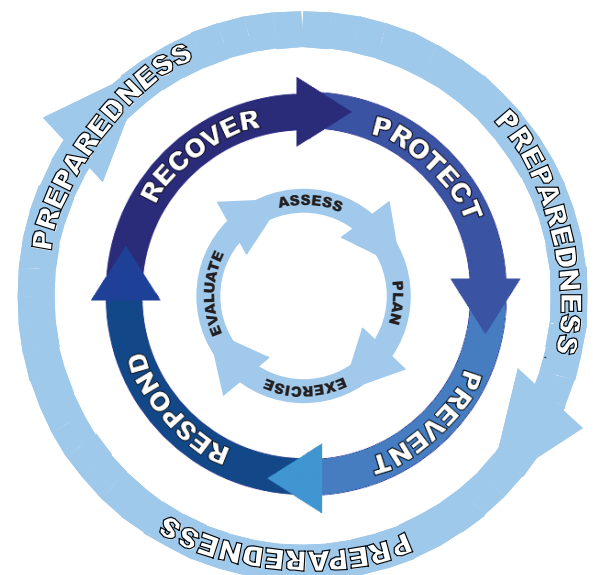
No continent, country, government, community, organization, or individual is immune from the impact of disasters. Natural disasters, such as earthquakes, floods, and hurricanes, and technological disasters caused by terrorism, hazardous material spills, and nuclear accidents have the potential to adversely affect large populations on a regional or global scale. Terror attacks, such as the attacks on September 11, 2001, in the United States, the Madrid train bombing, the London train and bus bombings, and the Mumbai train bombing, along with natural disasters, such as the Indonesian tsunami and Hurricane Katrina, have called attention to the importance of establishing relevant emergency management programs and effective, synchronized preparedness plans. Effective planning demands coordination among all levels of government, private volunteer organizations, and the commercial industry. Today's emergency preparedness directors must adopt an "all-hazards" approach to developing preparedness and response programs designed to address the many challenges facing local communities, regions, our nation, and the world.

Medical threats exist in all types of disasters. Threats and their mitigating strategies range from providing immediate trauma care to reestablishing a public health and medical infrastructure system. Urgent response requirements and their subsequent health threats can manifest with little or no warning and commonly require a rapid regional, national, or global response. Citizens look to elected officials, community leaders, and leading organizations to provide the leadership and resources necessary to coordinate response and emergency management operations, mobilize medical capabilities, and efficiently direct the delivery of medical services. In the future, medical responses and disaster management will vary widely, requiring a more adaptable and flexible response system.

A necessary element for establishing an effective emergency management medical capability is health preparedness. Preparedness, as defined in Homeland Security Presidential Directive 8, titled "National Preparedness" and issued by the White House in December 2003, refers to the necessary existence of plans, procedures, policies, training, and equipment at the federal, state, and local levels to maximize the world's ability to prevent, respond to, and recover from major disaster events. The Interim National Preparedness Goal, published by the Department of Homeland Security on March 31, 2005, transforms how the federal government proposes to strengthen the preparedness of the United States to prevent, protect against, respond to, and recover from terrorist attacks, major disasters, and other emergencies.

Preparedness is a continuous process. No government, private enterprise, or commercial organization can effectively function in an emergency management role without a strong preparedness capability, which is necessary throughout the entire emergency management process, as shown in Figure 1. The inner ring depicts the systematic, cyclical approach required to establish preparedness.

Figure 1



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# Multi-Intelligence Analysis Process

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## Why Booz Allen

Booz Allen Hamilton, a global strategy and technology consulting firm, possesses comprehensive intellectual capital relevant to our clients' health preparedness needs. Federal, state, local, private, and public organizations can all benefit from our services because we are experienced, trained, and prepared to deliver proven methodologies that support every discipline of disaster preparedness. Booz Allen's health preparedness professionals have functional capabilities in the areas of global health; IT; organizational change management; science and technology; global security; and modeling, simulation, wargaming, and analysis. We have an established reputation as an industry leader and a strong commitment to client service. Our clients realize the benefits of leveraging our expertise and maximizing their investment in program development.

## Services and Approach

Our ability to provide these diverse and complementary service offerings ensures clients success in the health and emergency preparedness arena. Our service offerings include the following:

- Scenario development. Determine populations at risk, outline planning factors, perform situational assessment, and generate a casualty workload.
- Requirements planning. Calculate staffing, equipment, and interagency and community-based resource requirements.
- Capabilities requirements. Assess shortfalls and gaps within existing plans, identify excess resources, and determine resource efficiencies through "as is/to be" analysis.
- Assessment. Identify and document risks and needs for inclusion in organization's policies, programs, doctrine, and budget.
- Evaluation. Provide recommendations through direct observation and sound analysis of exercises and response events.

A number of contract vehicles that facilitate federal agencies' ability to engage Booz Allen are available. Those vehicle contracts include Strategic Service Sourcing (S<sup>3</sup>), Survivability/Vulnerability Information Analysis Center (SURVIAC)/Information Assurance Technology Analysis Center (IATAC) (Technical Area Tasks [TAT]), Eagle, and the Department of Homeland Security Management Support Services (blanket purchase agreement [BPA]).

## Representative Client Engagements

Our recent disaster preparedness engagements include support for the Department of Defense, Department of Health and Human Services, Department of Homeland Security, as well as the commercial sector. Booz Allen has created enduring solutions to our clients' most pressing problems in the areas of healthcare studies and analysis; medical intelligence and health surveillance; medical planning and programming; capabilities-based planning; exercise support; operational-level support; including training, modeling, and simulation; and integration and development.

## About Booz Allen

Booz Allen Hamilton has been at the forefront of management consulting for businesses and governments for more than 90 years. Integrating the full range of consulting capabilities, Booz Allen is the one firm that helps clients solve their toughest problems, working by their side to help them achieve their missions. Booz Allen is committed to delivering results that endure.

With 18,000 employees on six continents, the firm generates annual sales that exceed \$3.7 billion. Booz Allen provides services in strategy, organization, operations, systems, and technology to the world's leading corporations, government and other public agencies, emerging growth companies, and institutions.

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