

A woman with brown hair tied in a bun, wearing a white striped tank top and a blue halter, is seen from behind. She is holding her hands to her head, looking distressed. The background is a blurred scene of a disaster zone with debris and damaged structures.

# **Integrated Disaster Management:**

**Preparedness • Response • Recovery • Mitigation**

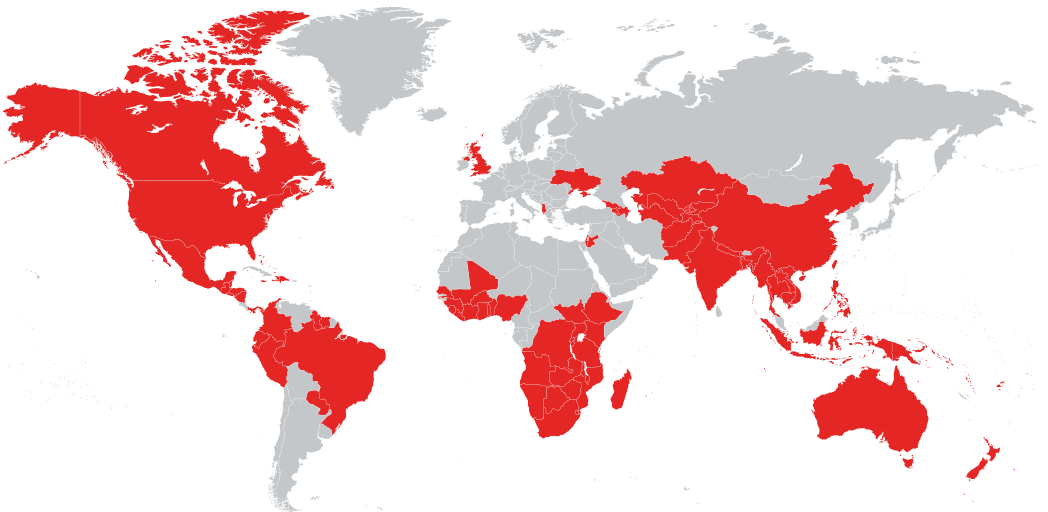


## Mobilizing Technology, Data, and Communications

Rigorous data analytics and evaluation to support decision-making, optimization, and adaptive management. Our capabilities in this area include:

- Research, needs assessments, monitoring, surveillance and impact evaluations
- Satellite, aerial, and drone-based remote sensing
- Decision support tools and applications
- Data gap analysis and predictive analytics
- Household level tracking
- Web-based dashboards with multi-layer mapping for hot spot identification

### Making an Impact in More Than 60 Countries







## The Abt Advantage: Integrated Thinking for Bold Action

The complex and dynamic nature of disasters necessitates non-linear and holistic solutions. Abt Associates can offer a systems approach to develop interconnected solutions across sectors throughout the disaster management cycle.

Our systems approach is founded on a unique combination of on-the-ground and support capabilities in the fields of health, environment, housing, socio-economic well-being and communications.

Abt uses **evidence** and **adaptive management** to provide nimble and rapid support to federal agencies, regional organizations, states and other clients to manage the complexities of interacting systems across sectors.



**Housing and community** risk and impact assessments, homelessness, economic impacts, recovery, revitalization



**Socio-economic** impacts, joblessness, homelessness, infrastructure



**Communications** and outreach, formative research, rapid deployment, media campaigns, social media, mobile applications



**Health systems** and delivery, public health, epidemiology, physical and mental health, impact assessments



**Environmental** quality monitoring, risk and impact assessments, mitigation, restoration



**Logistics**, procurement, distribution, supply chain, transportation



**Vulnerable populations**, including children, elderly and disabled; risk assessments, outreach, housing, health services

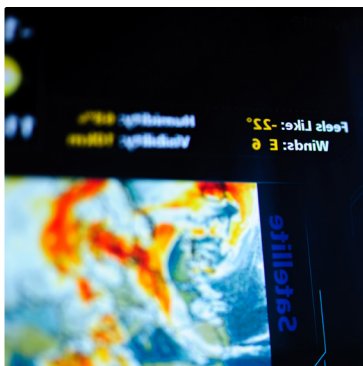
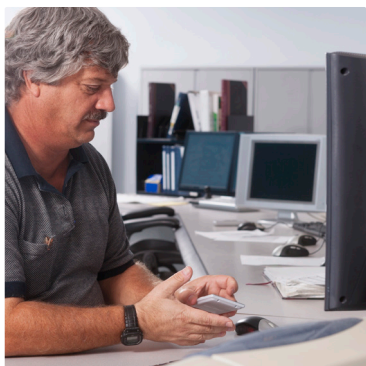


## Building Safer and More Resilient Communities

Speed counts in a disaster recovery response, but sustainability and resiliency are critical to ensuring positive long-term outcomes. Abt's experts have supported response work worldwide using a holistic model that spans the disaster management lifecycle so strategies are effective and contribute to a stronger, more resilient world.

Examples include:

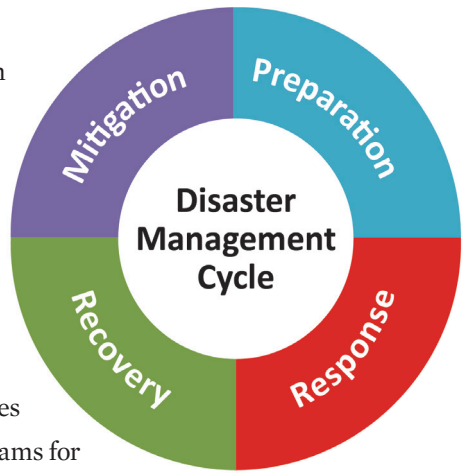
- **Hurricane Irma:** Protecting Haitian citizens before the hurricane hit with mobile safety messages
- **Hurricane Sandy:** Evaluation of coastal recovery and resiliency projects
- **National Disaster Medical System Response to Hurricane Katrina:** Evaluation and planning of emergency medical facilities
- **Emergency Response:** Preventing the transmission and associated health effects of mosquito-borne diseases
- **Deepwater Horizon Oil Spill:** Evaluation of natural resource and economic impacts
- **Disaster Assistance Grants Studies:** Assessing the state of housing recovery following Hurricanes Katrina and Rita
- **Zika:** Domestic readiness initiative on health protection and communications
- **Oil Spills:** Satellite and aerial remote sensing to monitor oil on surface water



# A Systems Approach: Our Capabilities

## Housing and Infrastructure

- Assistance with disaster recovery program implementation using HUD funding
- Stakeholder and community engagement
- Rapid re-housing programs in compliance with funding requirements
- Technical assistance in support of homeless assistance programs
- Community Development Block Grant technical assistance, including CDBG-Disaster Recovery training for new grantees
- Disaster recovery case management programs for vulnerable populations
- Monitoring and evaluation of housing assistance programs



## Health

- Analyses of health risks, emergency medical care capabilities, response, and planning
- Identification of at-risk and vulnerable populations
- National disaster medical system response
- Healthcare facilities refurbishment and reestablishment of primary healthcare delivery
- Vector-borne diseases: monitoring and household spray campaigns
- Mental health assessments and programs
- Training and mobilization of community health workers
- Field and laboratory assessments

## Environment and Energy

- Chemical/biological contaminant monitoring
- Human and environmental hazard risk assessment and mitigation
- Monitoring and modeling of standing water hazards
- Satellite, aerial or drone-based remote sensing support
- Biological resources monitoring for food safety and contaminants
- Restoration/recovery planning, monitoring and evaluation
- Water resources and land-use management and planning
- Investment analysis of clean energy for development and resilience
- Environmental and economic modeling

## Policy

- Research to inform policy, manage resource allocation, and planning
- Policy analysis, development, documentation, training, and implementation plans
- Regulatory analysis and development
- Public-private sector partnership development and management



**BOLD  
THINKERS  
DRIVING  
REAL-WORLD  
IMPACT**

## About Abt Associates

Abt Associates is an engine for social impact, harnessing the power of data and grounded insight to bring people from vulnerability to security worldwide. We provide research, consulting and technical assistance services globally, working in the areas of disaster management, health, environmental and social policy, and international development. Known for our rigorous approach to solving complex challenges, we are regularly ranked as one of the top 20 global research firms and one of the top 40 international development innovators. The company has multiple offices in the U.S. and program offices in more than 60 countries.

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### SELECTED CLIENTS

- Department of Housing and Urban Development (HUD)
- United States Agency for International Development (USAID)
- Federal Emergency Management Agency (FEMA)
- Occupational Safety and Health Administration (OSHA)
- Environmental Protection Agency (EPA)
- National Oceanic and Atmospheric Agency (NOAA)
- U.S. Army Corps of Engineers (USACE)
- U.S. Department of Justice (DOJ)
- State and local governments

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### LEARN MORE

<http://abtassociates.com/Expertise/Disaster-Response-Resilience.aspx>

### CONTACT

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### WORK WITH US

Abt holds many relevant contract vehicles across a range of federal agencies. For a full list, email [BDU@abtassoc.com](mailto:BDU@abtassoc.com)

**[abtassociates.com](http://abtassociates.com)**

