



**FOSTERING SCIENCE,  
TECHNOLOGY AND  
INNOVATION**



## The Intersection of Health and the Environment

Sustainable solutions need a multidisciplinary approach built on data-driven evidence. Abt has established technical methods and teams that offer the next generation of integrated solutions, from research to regulation to program implementation. Our projects include: an award-winning climate change and health communications campaign; a health policy project that is developing quality improvement measures to ensure safe opioid prescribing practices; and a groundbreaking assessment of the public health impacts of the nation's first regional market-based CO<sub>2</sub> trading program.

### SELECTED AREAS OF EXPERTISE

- Behavioral Health
- Climate Change and Air Quality
- Energy and Natural Resources Management
- Health Policy
- Information, Data Systems, and Evaluation
- Population Health
- Science, Restoration, and Chemical Risk Management
- Water Resources Management and Policy

*“[Abt] has been able to successfully recruit the required sample of hard-to-reach populations within the tight timeframe. Abt consistently delivers accurate data sets and data tables with no errors... meeting expectations in quality, cost control, schedule and management.”*

*Client: Centers for Disease Control and Prevention*

## Integrated Thinking for Bold Action

Abt Associates is a trusted advisor to our clients, providing innovative, evidence-driven solutions that contribute to a healthier environment and the health and safety of individuals, families and communities.

Our expertise spans disciplines, and links health, communications, environmental sciences, economics, policy analysis, engineering and complex data management and synthesis. This approach enables us to help clients identify, address and solve complex problems and contribute to a stronger, more resilient world.



### OUR ZIKA COMMUNICATIONS CAMPAIGN

REACHED MORE THAN

26 Million  
IN THE UNITED STATES



AND

11 Million  
IN PUERTO RICO

ACROSS ALL  
MEDIA PLATFORMS



*“Abt anticipated the need for a solution and provided a problem-solving answer. In some cases, Abt had to arrange focus groups on short notice and in each case, these groups met soon enough to positively effect a survey being developed by the EPA.”*

*Client: U.S. Environmental Protection Agency, Office of Water*



## OUR INTERDISCIPLINARY WORK AND APPROACH FOR OUR CLIENTS



Human life, resources and ecosystems are interdependent

Adapted from American Public Health Association (APHA) at <https://storify.com/APHA/one-health>.

## One Health for One World

Improving lives knows no boundaries. Abt takes a holistic approach, examining multiple perspectives from animal and human population health to ecosystems and economies. By incorporating related sciences, we help clients transcend cultural lines, physical borders, and unique disciplines to solve their toughest challenges.

### Program examples:

#### **Making Environmental Data Meaningful**

We have tracked more than three million pounds of toxic chemicals released by waste management agencies across the U.S. By creating an innovative online tool, communities and other stakeholders can discover what chemicals have been released into the air, water and ground by state, county or zip code.

#### **Studying Human Health, Climate and Infectious Disease**

Abt has mapped changes in climate to human health and infectious diseases like Dengue fever, West Nile and Zika viruses. Our lab and field studies of mosquitoes are helping to identify new and emerging diseases and answer whether the diseases can be transmitted to humans. Combined with our climate research, Abt gives clients novel insights and geographic evidence on how to prepare and respond to the latest hot zones.

#### **Designing a Research Infrastructure to Prevent Pandemics**

Epidemiological studies can keep an influenza outbreak from spreading. Since the 2009 H1N1 pandemic, Abt has been supporting the CDC's flu research agenda for rapid response. We developed and continue to maintain a research platform that tracks flu in multiple countries and populations. This monitoring provides critical data to help avert a pandemic, and evaluates antiviral and vaccine effectiveness against new flu strains.

# Data-Driven Science

Abt has more than 50 years of experience in rigorous research, monitoring and evaluation, and offers a worldwide network of partners and collaborators.

## Program examples:

### Quantifying the Impacts of Disasters on Health & Economies

We illuminate the impacts to marine life, public health and local, state and regional economies after environmental and manmade disasters, such as *Deepwater Horizon*. These assessments have informed restoration efforts along the Gulf of Mexico, as well as other regions of the U.S.

### Addressing the Nation's Mental and Substance Use Problems

Abt supported the development of the *Surgeon General's Report on Alcohol, Drugs, and Health*, which reviews the best available science on the health consequences of substance misuse and substance use disorders, including prescription drugs and opioids. We also investigate the effects of mental illness and trauma on military personnel, their families, and other populations.

### Designing Innovative Models for Better Payment Decisions

Abt helps clients understand health policy changes and provides better ways to measure key indicators, like provider performance and quality of care across total patient experience. Our economic modeling for the Centers for Medicare & Medicaid Services is providing sound evidence to test new reforms before implementation, ensuring the greatest benefit to patients and providers.

*"[Abt's] work is exceptional. They look beyond meeting the minimum contract requirements for better or additional ways to meet [our] needs."*

*Client: U.S. Department of Health and Human Services, Health Resources and Services Administration*

FOR MORE THAN  
**8 YEARS**

Abt has helped lead and improve a national rating system for nursing homes



IN **2016 HELPED**  
**1.4 MILLION USERS**  
**COMPARE ★★★★★**  
**QUALITY MEASURES ACROSS**  
**15,000** nursing home providers in U.S.



**BOLD  
THINKERS  
DRIVING  
REAL-WORLD  
IMPACT**

## About Abt Associates

Abt Associates is a mission-driven, global leader in research, technical assistance and program implementation in the fields of **health, environmental and social policy, and international development**. Known for its rigorous approach to solving complex challenges, Abt Associates is 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.

### LEARN MORE

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



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### SELECTED CLIENTS

- U.S. Department of Health & Human Services (DHHS):
    - Agency for Healthcare Research and Quality (AHRQ)
    - Centers for Disease Control and Prevention (CDC)
    - Centers for Medicare and Medicaid Services (CMS)
    - Health Resources and Services Administration (HRSA)
    - National Institutes of Health (NIH)
    - Substance Abuse and Mental Health Services Administration (SAMHSA)
  - Environmental Protection Agency (EPA)
  - National Oceanic and Atmospheric Agency (NOAA)
  - U.S. Army Corps of Engineers (USACE)
  - U.S. Department of Justice (DOJ)
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