

Medical Readiness and Force Health Protection Research



With nearly 30 years of experience conducting military studies, RTI International has the expertise, technology, and skills necessary to help the Department of Defense (DoD) meet the complex challenges of ensuring medical readiness and providing quality health care for our military forces. Our experience working in military settings, coupled with our understanding of the military culture, enables our personnel to plan and execute effective research in response to the needs of the DoD and the military services.

Force Health Research

RTI researchers investigate the health issues of active-duty and reserve/guard personnel, both deploying and non-deploying, and their dependents. To conduct our health and health behavior research, we

- Design and conduct epidemiologic and health promotion research, program evaluation studies, prevention and intervention studies, and field trials
- Conduct research related to health care quality, evidence-based practice, and patient safety
- Design and test health communications materials
- Conduct research on substance use prevalence, treatment, and prevention issues
- Provide a full range of GIS services to support exposure and human health risk assessment, health service, and health market analyses.

DoD Project Highlights

RTI's research approaches are built on years of successful long- and short-term surveys and interventions using innovative procedures and state-of-the-art technology. RTI developed and continues to refine computer-assisted audio and telephone interview techniques and incorporates Web-enabled data collection methods into its studies.

These are reflected in our approach to conducting DoD's flagship survey of health-related behaviors among military personnel for the past 25 years and recent intervention and assessment studies such as Air Force motivational interviewing, a Web-based alcohol prevention education pilot project, resilience and mental health assessments, and development of a combat and operational stress control graphic novel.

Our **technology-assisted learning experts** developed Sim-Patient™—interactive 3-D software that provides physiologically accurate, fully immersive, virtual scenarios to enhance mission-critical lifesaving skills. This simulation suite can be tailored to replicate any military medical setting, from combat to large-scale disasters. It replicates combat trauma, chemical injury, and limited biological injury and reflects changes in best practices for treating casualties, such as new devices used in management of specific injuries, new trauma resuscitation protocols, and new ways of controlling bleeding and treating fluid loss in the field.

Our **military behaviorists** conduct research to improve force readiness and the lives and working conditions of military personnel and their families. Focus areas include health care quality and use; health behaviors such as



Related Force Health Capabilities

- Mental health epidemiology and treatment
- Bioinformatics
- Genomics and proteomics
- Cognitive testing of health messages
- Bioterrorism and health security
- International health and development

substance-use prevalence, prevention, and intervention; mental health and stress research; health policy and health promotion; exposure and human health risk; and family support.

Contract Vehicles for DoD Usage

RTI extends its excellence in research and technical services to its business systems and processes, making it easy for clients, subcontractors, and vendors to partner with us. We have the contractual, legal, and business structures to handle projects of all sizes and are a nonprofit, 501(c)(3) corporation. We will work closely with DoD to define requirements and to clarify expectations, including cost and time constraints. We are federally qualified to provide services under the following contractual arrangements:

- Mission Oriented Business Integrated Services (MOBIS): Schedule 874
- Environmental Services: Schedule 899
- Professional Engineering Services (PES): Schedule 871

- Scientific Equipment and Services: Schedule 66
- Information Technology Equipment, Software and Services (IT): Schedule 70
- Advertising & Integrated Marketing Services (AIMS): Schedule 541
- Program Support Center: DHHS Contract No. HHSP23320095651WC
- Research Development Initiatives: Contract No. W911QY-08-D-0021
- Tricare Evaluation, Analysis, Management, and Support: Contract No. W81XWH-08-D-0042
- Ongoing grants and cooperative agreements through the U.S. Army Medical Research and Materiel Command at Fort Detrick.

More Information

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RTI International is one of the world's leading research institutes, dedicated to improving the human condition by turning knowledge into practice. Our staff of more than 2,800 provides research and technical expertise to governments and businesses in more than 40 countries in the areas of health and pharmaceuticals, education and training, surveys and statistics, advanced technology, international development, economic and social policy, energy and the environment, and laboratory and chemistry services. For more information, visit www.rti.org.

RTI International is a trade name of Research Triangle Institute.

