



INTERNATIONAL INNOVATION

REACHING AROUND THE WORLD FROM NORTH CAROLINA

For more than six decades, RTI International's commitment to innovation has led to landmark scientific discoveries, game-changing research, and life-saving program implementation. Our impact is felt in countries around the world, from the Philippines to Guatemala, Tanzania to Indonesia.

But you don't have to travel far from RTI headquarters in Research Triangle Park to see how we're improving lives and serving clients. Founded in 1958 by Triangle-area universities and government and business leaders in North Carolina, we are motivated by a deeply felt responsibility to serve the people of North Carolina, from Murphy to Manteo, and to deliver on behalf of private- and public-sector clients in our state.

We view innovation as a strategic imperative for success. Our clients choose us because we bring innovative solutions to bear on complex problems. Client-centricity drives us to take an outside-in view of innovation and trains our sights on producing high-quality research and delivering technical services solutions that maximize resources.

Whether individual citizen, policymaker, or government or private partner, we want you to thrive. For example, we know

North Carolinians worry about their healthcare. We apply our expertise in health across a span of focus areas, including commercial healthcare. We recently established RTI Health Advance to deliver evidence-based, practical solutions for business and clinical leaders that advance healthcare in North Carolina and across the United States.

Working on behalf of clients, our researchers analyze and evaluate issues and trends that impact health policy and care delivery worldwide. We bridge boundaries through technology, using expertise in areas such as telehealth to customize solutions for federal and state health agencies and improve access to care right here in North Carolina.

We recognize the importance of the military community to our state. Nationally, North Carolina has the fourth-largest active-duty presence and the eighth-largest veteran population. To serve those who have served, we helped determine the effectiveness of Stellate Ganglion Block injections in the treatment of post-traumatic stress disorder. With support from our internal commercialization team, RTI scientists developed the Wearables Research and Analytics Platform (WRAP)

to test wearable sensors to monitor military health through longitudinal studies.

RTI is also part of the North Carolina Center for Optimizing Military Performance (NC-COMP), bringing together expertise in research, medicine, health, fitness, engineering, materials, and manufacturing to allow for accelerated creation and deployment of solutions that fill critical military personnel performance gaps. Through NC-COMP, we help prevent injury and improve recovery times for our military members, help soldiers better function in multi-stressor environments and enhance baseline physical and mental performance.

North Carolina, like other states, has been hit hard by the opioid crisis. RTI partners with federal, state, and local government agencies, community-based organizations, and foundations to develop and evaluate strategies to prevent substance use and misuse. Our research benefits not only the populations we study but those served by the practitioners and policymakers who apply our findings in their own communities.

In 2021, we launched the Idea Lab for Equitable Economic Development. Through this collaboration, we are exploring ways to reduce extreme wealth inequality and create resilient economies. Our research into small southern cities shows the importance of reinvention and innovation in places like Boone and Wilmington.

We recently analyzed the costs and benefits of Triangle Residential Options for Substance Abusers (TROSA), an innovative, North Carolina-based, multiyear residential program providing care and education to people with substance use disorder. The program results are compelling: TROSA saves the state \$7.5 million annually by preventing arrests, incarceration, and emergency hospital visits.

Our innovative spirit drives us to take on the world's greatest challenges, including climate change and protecting our environment. Last year our scientists received federal funding to develop a cost-effective CO₂ capture system and commercially viable CO₂ utilization solutions for the cement industry. We are also investing in the study and removal of harmful "forever chemicals" present in our air, rivers, groundwater, and landfills, and disposed of at our military bases and manufacturing facilities. Our groundbreaking work to help



identify lead in drinking water in childcare facilities in North Carolina—and around the nation—has made children safer.

A highly skilled team of scientists and engineers in our Center for Water Resources has designed, developed, and implemented integrated services and solutions for complex water issues, helping clients respond to water resource challenges using cutting-edge technologies, advanced analytics, and actionable information. The team's state-of-the-art approaches and analysis tools help build understanding and planning around climate resiliency, mapping and modeling, and risk assessment, preparing communities for natural disasters and weather events. We conduct this work here at home and in countries across the globe.

Our mission to improve the human condition globally starts at home. Innovation is a key enabler for the realization of our mission, the strength of our impact, and the reach of our contributions to a better future. We continually grow our partnerships in North Carolina to address the challenges of today and unlock the possibilities of tomorrow.

RTI International is an independent nonprofit research institute dedicated to improving the human condition.



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