

DELIVER

2013 Annual Report





No matter what our clients need, RTI delivers.

We deliver the knowledge to inform public policy. We deliver innovative technologies to solve critical challenges facing business and industry. We deliver and validate novel methods to advance research across the social and laboratory sciences. We deliver effective programs and build local capacity in health, education, and governance around the world.

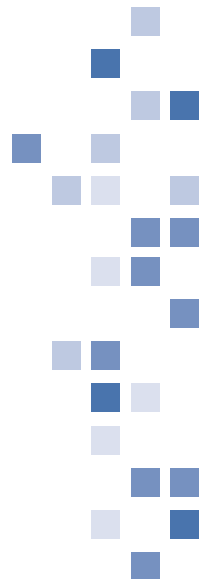
For government agencies, private foundations, and commercial clients alike, on projects large and small, we deliver.

Our people have the knowledge. Our systems have the capacity. Our leaders have the experience.

It adds up to a unique ability to deliver value . . . where no one else can.



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President's

MESSAGE



Fiscal year 2013 was a strong year for RTI. We continued to do exemplary work across the institute as we *delivered* on our mission to improve the human condition.

We delivered scientific results designed to inform public policy decisions and help individuals make healthy choices. These results included health studies spanning such critical challenges as obesity, smoking, mental illness, and drug safety. In addition, we conducted significant research on crime and violence, privacy and security, education, and child welfare.

We delivered exciting new technologies aimed at meeting the global need for clean energy and lower industrial emissions, bringing to market new treatments for diseases, and growing small businesses through open innovation. Our Health Solutions group expanded its work in the pharmaceutical sector, providing important insights that directly affect the provision of health care.

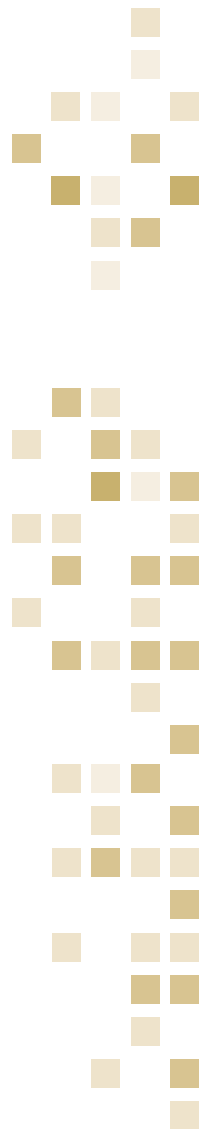
We delivered comprehensive technical assistance to developing and transitional countries on three continents. This year we concluded large-scale programs focused on health care, water and sanitation, governance, economic opportunity, and crime prevention. We also continued to expand our outstanding work in early grade literacy across the developing world.

Knowing that these are only a few examples of our achievements and impact in 2013, I express my deep pride in and gratitude to our staff members and partners for their unwavering commitment to *deliver* on the promise of our mission.

I hope you share my excitement about continuing this work in the year ahead and beyond.



E. Wayne Holden
President and Chief Executive Officer



Deliver

KNOWLEDGE

Across our social science programs, our researchers focus on delivering knowledge in the form of answers to our clients' questions. During FY2013, we designed and conducted complex national surveys and studies on key issues in health, education, homeland security, and justice. Study results we delivered—data, analysis, and recommendations—aim to inform public policy decisions and help individuals make smart, safe, and healthy choices.



2013 Publications

543

Journal Articles

19

RTI Press
Publications

6

Books

24

Chapters

75

Proceedings

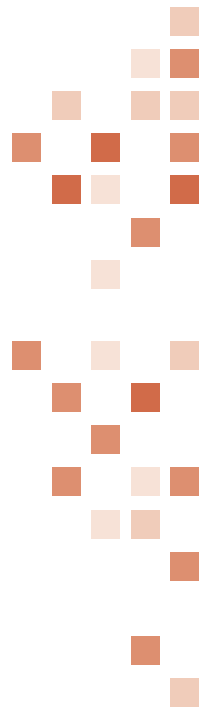
Calculating Costs of Disease and Health Care

With tightening of federal budgets and changes in health care coverage, it's increasingly important to understand the costs of disease and health care and the economic impacts of policies designed to promote healthy behavior. During FY2013, our social scientists delivered that information.

Although previous research had shown that kidney failure contributes to high medical spending, little was known about the costs of early stages of kidney disease. We showed policy makers that Medicare spending attributable to chronic kidney disease stages 2 through 4 likely exceeds \$48 billion per year.

In partnerships with universities and other colleagues, we also conducted two studies that found it was cost-effective to spend tax dollars to provide outpatient treatment to people with serious mental health illnesses. Our research showed that outpatient treatment of mental illness, including providing access to psychopharmacological medications, significantly reduced arrest rates for people with mental health problems and saved taxpayers money.

In an evaluation of a program in New York, termed *assisted outpatient treatment*, our social scientists found that mandating outpatient treatment to those who need it resulted in substantial cost savings by cutting hospitalizations and increasing outpatient care. The study, funded by the



MacArthur Foundation and the New York State Office of Mental Health, found that net services costs for a group of frequently hospitalized patients declined 43 percent in New York City in the first year after assisted outpatient treatment began, and an additional 13 percent the second year.

During FY2013, our researchers also delivered information on health care process improvements. We reported that changing how vaccine product labels are barcoded can avoid documentation problems and increase the safety of immunizations.

The research showed that switching from linear to 2D barcodes will improve health record accuracy, lower the burden of documenting immunizations, and increase the probability of locating a patient in the event of a vaccine recall. This change has the potential to save at least \$300 million over the next 10 years.

Immunization providers are required by the National Childhood Vaccine Injury Act to record the vaccine and lot information for vaccines administered to patients. Although product labels have had linear barcodes, those barcodes only contained the National Drug Code. The 2D barcodes can contain the National Drug Code, expiration date, and lot number in a symbol small enough to fit on a label appearing on a 0.5-milliliter vial. The 2D barcode can be scanned to verify it matches the doctor's orders and automatically populate records with the required product information.



"Our study shows how changing something as simple as how vaccine product labels are barcoded can mitigate documentation problems and increase the safety of the immunization system," said Alan O'Connor, a senior economist at RTI.

Finding Effective Ways to Promote Health and Ensure Drug Safety

RTI is well known for our broad experience in policy and program evaluation, health behavior studies, health promotion, and drug safety research.

In FY2013, we found that policies banning tobacco product displays at the point of sale may deter youth from purchasing tobacco products at retail stores and thus reduce youth smoking. In cooperation with the Centers for Disease Control and Prevention (CDC), we also looked at statewide smoke-free laws in nine states—the largest study to date—and found that laws banning public smoking are not expected to have an adverse economic impact on restaurants and bars in those states.

Additionally, we found that anti-smoking advertisements that feature highly emotional or graphic content are more likely to motivate smokers to try to quit than ads that offer smoking cessation advice or encouragement.

In another study with CDC, we found that anti-smoking campaigns can have a rapid effect on smoking cessation. Our research showed that the first federally funded anti-smoking media campaign, called “Tips From Former Smokers,” ran for just three months and motivated 1.6 million smokers to attempt to quit. Perhaps most important, our researchers estimate that at least 100,000 people will remain smoke-free as a result of the campaign.

Annice Kim, PhD, used a virtual convenience store to study the behaviors of teens and found that policies banning tobacco product displays at the point of sale may deter youth from purchasing tobacco products.

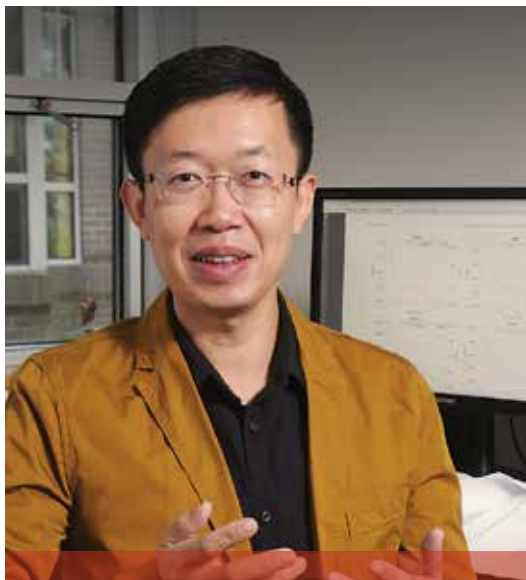


Our evaluation of a policy to reduce obesity was less clear-cut. We found that taxing sugary beverages may help reduce calories consumed from these beverages in the United States, but the health benefits may be partially offset as consumers substitute other unhealthy foods.

Additionally, funded by the health area of the European Commission, our researchers in RTI Health Solutions—a business unit of RTI that provides research and consulting services to biopharmaceutical and medical device clients—continued work on the largest observational study to date of the safety of nonsteroidal anti-inflammatory drugs, including aspirin, ibuprofen, and naproxen.

In partnership with 10 other academic and research institutions from seven countries, we assessed and compared the risk of cardiovascular and gastrointestinal events caused by those drugs, with the ultimate goal of providing decision models to clinicians and regulatory authorities.

In 2013, we published results indicating that, except for naproxen, the most frequently used nonsteroidal anti-inflammatory drugs are associated with an increased risk of acute myocardial infarction at high doses or in persons with diagnosed coronary heart disease.



“Instituting a sugary beverage tax may be an appealing public policy option to curb obesity, but it’s not as easy to use taxes to curb obesity as it is with smoking,” said Chen Zhen, PhD, a research economist at RTI. “Consumers can simply substitute an untaxed high-calorie food for a taxed one.”

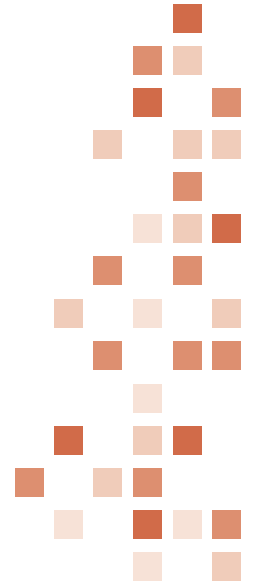
Understanding Public Opinion to Inform Policy Decisions

At RTI, we recognize the importance of understanding public opinion to the policy-making agencies that come to us for reliable data.

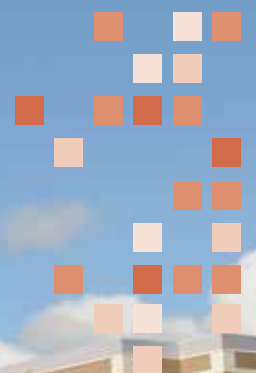
During FY2013, unmanned aerial vehicles, or drones, were often publicized as being unpopular with the public. Our research showed otherwise. The report—conducted by the Institute for Homeland Security Solutions (IHSS), a research consortium led by RTI and Duke University—showed that despite some concerns, the majority of the U.S. population supports the use of unmanned aerial vehicles for homeland security, crime prevention and detection, search and rescue, and commercial applications. We shared that information with members of Congress.

In another survey conducted by IHSS, we found that the public is willing to give up some degree of privacy for increased security from terrorism. The extent to which participants willingly accept homeland security policies in exchange for improvements in security differs by the strategy under consideration and by other factors such as the political affiliation and race of the respondent.

When it comes to health, we found that educating people about the latest research and recommendations is not always enough to change behavior. Our RTI-funded survey showed that men plan to continue getting prostate-specific antigen (PSA) screening tests despite recent findings that these tests may not be necessary. More than half of men (54 percent) surveyed plan to get a PSA test in the future, and one-third of respondents were undecided.



Joe Eyerman, PhD (right), led a survey that found that the majority of the U.S. population supports the use of unmanned aerial vehicles, or drones, for homeland security, search and rescue, commercial applications, and fighting crime.



Identifying Trends and Gaps to Improve Programs

By looking at trends across time and identifying gaps in knowledge and service delivery, our research this year sought to help improve programs in education, law enforcement, and children's health.

Since 2007, our education researchers have helped The Broad Foundation identify urban school districts that demonstrate the greatest overall performance and improvement in student achievement while reducing achievement gaps for low-income students and students of color. The \$1 million Broad Prize for Urban Education, the largest education award in the country, was designed to create competition to encourage school districts to improve. Our researchers collect, compile, and analyze data on 75 eligible school districts in 33 states and the District of Columbia. We examine trends in state test results, high school graduation rates, and college prep test scores, among other indicators, to inform the selection of a winner by an independent review board. We also conduct a similar analysis of charter management organizations for The Broad Prize for Public Charter Schools.

Christina Stearns, Stephen Lew, and Stacy Shaw examine trends in state test results, high school graduation rates, and college prep test scores to inform the selection of the winner of the \$1 million Broad Prize for Urban Education.



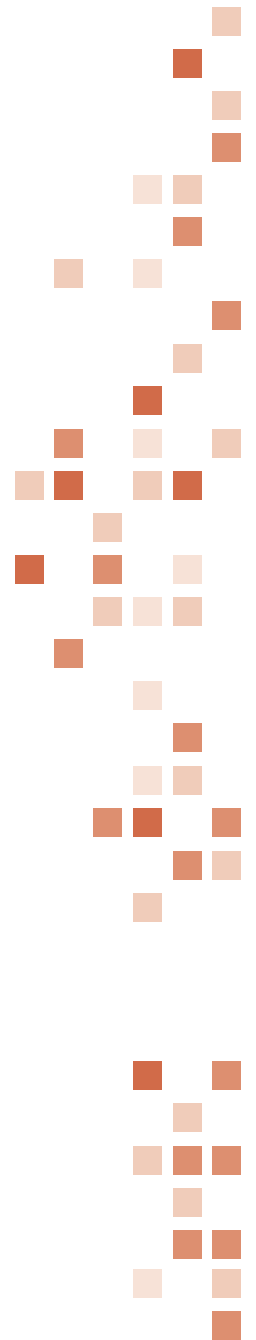
During FY2013, we released findings of a study analyzing national trends in sexual violence. The study, conducted with the U.S. Justice Department's Bureau of Justice Statistics, reported some encouraging news: between 1995 and 2005, sexual violence against females age 12 and older declined 64 percent and remained unchanged through 2010. However, the percentage of reported rape or sexual assault victimizations that resulted in an arrest either at the scene or during a follow-up investigation decreased from 47 percent in 1994–98 to 31 percent in 2005–10.

In a separate study, we found that victimization of women is particularly high in Alaska. Our results from the Alaska Victimization Survey showed that nearly 60 percent of women in Alaska have experienced intimate partner violence, sexual violence, or both over the course of their lifetime. The data have helped advance efforts of Alaskan policy makers and others who are working to reduce violence and its associated personal and public costs.

We also looked at violence against children and found a serious gap in the knowledge of how to treat children exposed to trauma. About two out of every three children in Alaska will experience at least one traumatic event before they turn 18.

Recent widely publicized school shootings and natural disasters have raised questions about how to prevent and treat post-traumatic stress, but a systematic review by the RTI–University of North Carolina Evidence-based Practice Center found that evidence on effective forms of treatment for children exposed to trauma was insufficient to support a clinical recommendation. Psychotherapeutic interventions appeared to provide some benefit to children, but more research is needed to make definitive conclusions.

A similar literature review led by RTI found striking limitations in evidence regarding effective ways to treat children who have suffered from maltreatment. We know that children who have experienced maltreatment are at serious risk for a host of mental health and other problems that can persist into adulthood, but we do not know how best to treat them. The promising interventions we noted included psychotherapy approaches that specifically address serious emotional difficulties experienced by children who have been exposed to sexual or physical abuse.



Deliver

SOLUTIONS

Solutions come in many forms—including technological advancements, novel research methods and tools, and targeted consulting services that help clients achieve their goals. This year, RTI delivered solutions that bring us closer to achieving U.S. energy goals, reducing industrial air pollution worldwide, improving human health, answering fundamental questions of physics, and boosting the U.S. economy.



Industry Sectors Served



Energy



Environment & Sustainability



Advanced Materials



Aerospace



Electronics



Manufacturing & Automation



Health & Medical Devices



Food & Agriculture



Advanced Chemistry



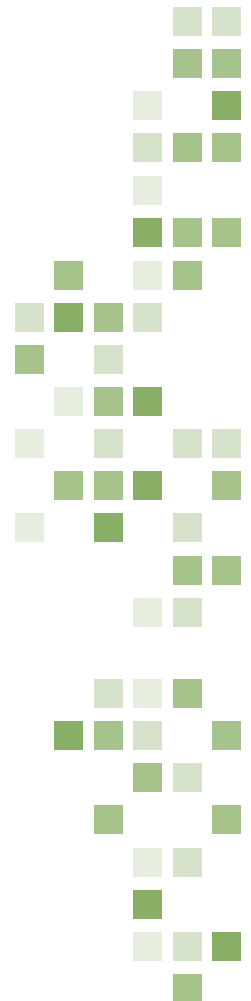
Consumer Products

Scaling Up Clean Energy Technologies

Clean energy R&D has been a focus at RTI for decades. This year we reached major milestones in the commercial scale-up of key technologies, and we invested in on-campus capabilities to demonstrate novel process technologies at the critical transition from bench to pilot scale.

In February we completed construction of our new Energy Technology Development Facility. The facility houses a new pilot unit to transform up to 1 ton per day of biomass into a biocrude oil that can be converted into renewable transportation fuels through conventional refining processes. The facility also houses a system to test a new energy-efficient process that uses a specialized solvent to capture carbon dioxide emitted from power plants.

In May we launched a partnership with Norwegian cement manufacturer Norcem to adapt RTI's solid sorbent-based technology for capturing carbon dioxide. Originally developed for coal-fired power plants, our capture technology is being integrated at pilot scale into Norcem's cement plant in Brevik, Norway. The project aims to support Norcem's long-term goal of achieving carbon neutrality and could ultimately provide the cement industry with a viable option for mitigating carbon dioxide emissions.





As construction wraps up at the Polk Power Station, Brian Turk, PhD, and Ben Gardner prepare for an 18-month demonstration to assess the commercial-scale performance of our warm syngas cleanup technology.

Concurrently, we are developing the same technology for coal-fired power plant applications with support from the U.S. Department of Energy's National Energy Technology Laboratory and Masdar Clean Energy of the United Arab Emirates.

In our largest technology development project to date, RTI's warm syngas cleanup technology is being demonstrated at 50-megawatt scale at Tampa Electric's Polk Power Station in Florida. Following completion of construction, we will begin an 18-month demonstration of the technology to evaluate its performance at commercial scale.

The RTI technology significantly increases the thermal efficiency and reduces the capital and operating costs of integrated gasification combined cycle power plants such as Polk and can be applied to growing needs in China and other places around the world, where much of the growth in power and chemicals production is fueled by coal.

Leading Translational Research to Improve Human Health

Owing to our experience coordinating multisite health studies and our collaborative relationships with university and private sector researchers, RTI has a unique perspective from which to advance translational research. This year, as part of three separate efforts, we have helped move key findings from basic research closer to application in medical practice to improve human health outcomes.

In collaboration with the National Institute of Environmental Health Sciences, we led a research team of 90 investigators across the United States and Europe to analyze data from more than 50,000 study participants. Using a novel statistical method that considers interaction with environmental factors, like cigarette smoking, the team identified three new gene regions related to lung function.

This new ability to account for the interaction between genetic and environmental risk factors will help scientists better understand complex lung diseases, which are among the leading causes of death in the U.S.

Another study co-authored by RTI researchers identified a new genomic technology that could contribute to greater understanding of what causes stillbirths. As part of our work with the Stillbirth Collaborative Research Network, we coordinated a study of microarray analysis, a novel technology for detecting genetic abnormalities.

"We were able to identify genetic regions associated with a complex trait that had been missed when considering only the genetic main effects contributing to lung disease," said genetic epidemiologist Dana Hancock, PhD.





Led by Diana Severynse-Stevens, PhD, Anita Woodring, and Sudie Rowshan, the SMARTT project has supported development of potential treatments for 30 heart, lung, and blood diseases.

Study results found this technology to be more successful than karyotype analysis, the current standard method for detecting genetic abnormalities. Microarray analysis detects small deletions and duplications in DNA and, unlike karyotype analysis, can be performed on nonliving cells. With a better testing method, researchers may be able to identify as-yet-unknown genetic causes of stillbirth, which affects one in 160 pregnancies in the United States.

A third program, for which RTI serves as coordinating center and provides regulatory services, supports the translation of novel discoveries into new therapies for heart, lung, and blood diseases. Known as SMARTT—for Science Moving towARds Research Translation and Therapy—the program provides preclinical development, manufacturing, and regulatory services to investigators at universities, nonprofit organizations, and small companies. Services are free and confidential.

This year, our support resulted in submission of an Investigational New Drug Application for a compound that may prevent arterial thrombosis (a blood clot in the artery) in certain patients. We also helped secure orphan drug designation for a new potential therapy for a rare genetic disease known as Barth syndrome.

To date, SMARTT has supported development of potential treatments for more than 30 diseases and disorders, including rare conditions such as Duchenne muscular dystrophy as well as common conditions such as asthma, hypertension, and diabetic neuropathy.

Strategic Advising to Help Commercial Companies Innovate and Grow

RTI's experts in open innovation and technology commercialization provide strategic consulting and technical services across numerous industries. We provide advice to help industry leaders such as Saudi Aramco, PPG, Heinz, and Newell Rubbermaid derive greater value from innovation through strategic planning, technology scouting, and technology-driven market intelligence. Our work has enabled these companies to consider risks and pursue opportunities to grow and expand their businesses through market diversification and new product development.

In support of our client work, this year we developed a new model for collaborative problem solving and idea generation. The RTI Innovation Lab engages industry partners with diverse perspectives in interactive working sessions to consider barriers to innovation and opportunities for new product application and development. Recognizing the need for solutions to address macro-level trends affecting food and agriculture, in November 2012 RTI led a session that explored global innovation across the agricultural supply chain. Participants examined current trends and opportunity white spaces and developed ideas for new partnerships, including a collaborative focused on innovation in the food and agriculture industry.

Over the past five years, our innovation experts have also supported a network of centers established by the National Institute of Standards and Technology to increase the competitiveness of small- and mid-sized manufacturers in the United States. Under the Manufacturing Extension Partnership (MEP) Program, our experts have trained more than 350 program agents and directly assisted more than 80 manufacturing companies, which reported nearly \$2.5 million in new revenue and cost savings as a result.

"We work directly with small manufacturers, supporting sound decisions about entering new markets and adopting new technologies. We help them avoid or plan for the risks, reduce or eliminate costs for development, and get to market quicker," said Kirsten Rieth, manager of our MEP Program team.



Enabling Future Research in Health, Human Safety, and High-Energy Physics

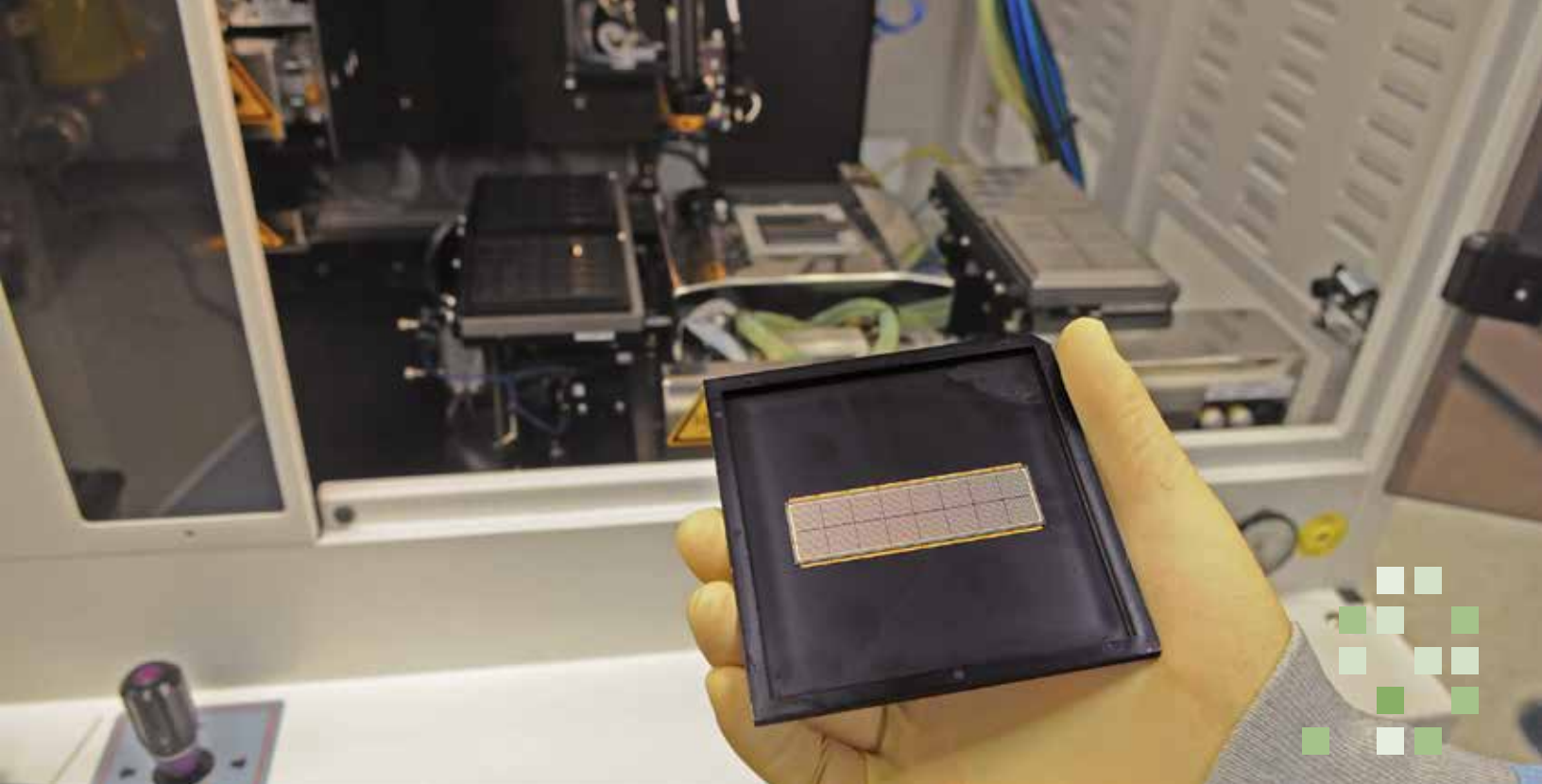
Often, research endeavors with the potential to improve the human condition require advancements in support of science itself. Two projects this year illustrate our commitment to supporting the scientific community.

Building on decades of experience in asbestos research, methods development, and laboratory proficiency testing, we delivered the first of several batches of asbestos reference materials that will close a 10-year gap in their availability.

Under contract with the National Institute for Occupational Safety and Health, RTI is examining material gathered from remote mines and other areas around the world, performing extensive laboratory screening to ensure that the samples possess all the desired properties, and preparing the materials for asbestos testing laboratories across the United States. These labs use the materials to calibrate equipment and train analysts to ensure that their test results are accurate and reliable.

Microscopist Sara Harrison examines asbestos reference materials, which RTI is delivering to testing labs across the United States.





RTI funded a similar project to develop quantitatively loaded air filters that can be used for quality assurance and training at laboratories that conduct air sample analysis, including clearance testing after asbestos abatement.

For several years, RTI has been working with the U.S. group supporting the Compact Muon Solenoid experiment at the European Organization for Nuclear Research (CERN) Large Hadron Collider. Our advanced interconnect and assembly technologies were used to fabricate arrays of solder bumps—each bump is only 25 microns in diameter—on integrated wafers that make up a layered detector structure at the heart of the apparatus. This structure enables particles generated in collisions to be tracked so that events can be reconstructed, and thus was key to the confirmation in March 2013 of the existence of the Higgs boson, a monumental achievement in the field of particle physics.

RTI's support for breakthrough physics research continues as we help develop replacements for the original detector modules at CERN and conduct similar work for commercial clients that require high-energy physics and advanced imaging applications.

Wafers like this one, manufactured using our technologies for advanced interconnect and assembly, help make up a detector structure at the heart of the Large Hadron Collider.

Deliver

IMPACT

A leader in international development, RTI delivered science-based solutions and technical assistance to 73 developing and transitional countries this year alone. Our experts designed and implemented programs in health, water and sanitation, education, and governance—emphasizing capacity building to effect a lasting positive impact on service delivery and quality of life.



Developing and Transitional Countries Served



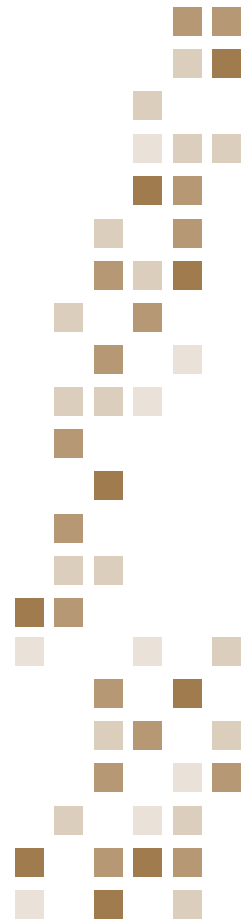
Making the World a Healthier Place to Live

In Senegal, RTI is in its final year of a large-scale integrated water, sanitation, and hygiene program. Funded by the U.S. Agency for International Development (USAID) in partnership with the Coca-Cola Africa Foundation, the project has significantly improved access to water and sanitation in 390 rural villages and a dozen peri-urban cities in the vulnerable and underserved regions of Casamance and Tambacounda.

Our role included supporting government efforts to incorporate participatory planning methods, promoting and training local associations for water and sanitation users, and supporting relevant policy improvements within central government ministries and agencies in Dakar.

The project invested in local artisans and entrepreneurs for the construction and maintenance of water points, household latrines, and public facilities and guided social marketing campaigns and community-led approaches to promote good hygiene practices. Under RTI's leadership, the project also provided a range of innovative, affordable technological solutions that can be managed by local stakeholders.

To date, our work has improved access to potable water for more than 65,000 people, built latrines and public facilities to serve nearly 69,000 people, and provided water points, school latrines, and hygiene education for nearly 14,000 schoolchildren. As our innovative approaches are adopted by other nongovernmental organizations (NGOs) and the Senegalese national government, we anticipate that even more people will benefit.





The Wireless Access for Health project has delivered 3G technology to 50 health clinics in seven Philippine provinces, enabling efficient access to patient records and improving health care for patients in rural areas.

In March, we concluded a six-year project in the Philippines to improve the delivery of public health services at the local level. Under the USAID-funded Strengthening Local Governance for Health (HealthGov) project, we aided health planners, budgeters, and service providers across 25 provinces to advance toward United Nations' Millennium Development Goals for maternal, child, and family health.

RTI helped improve the capacity of officials to use evidence and data to bring needed services to the vulnerable and underserved. We trained 11,000 health managers and local officials in systems and governance, as well as 6,500 community health workers, midwives, and nurses who provide frontline care in remote areas.

RTI will continue this work under a new USAID project awarded in 2013 to provide similar technical assistance to local governments in Luzon. The new LuzonHealth project will help local counterparts increase the coverage and quality of public health services and improve health outcomes.

LuzonHealth will also build on the success of another RTI-led project in the Philippines—Wireless Access for Health (WAH)—that delivers innovations in mobile health services. A joint initiative of government, private sector, university, and civil society partners, WAH uses 3G technology to enable efficient access to patient records and timely upload of accurate health data from rural health clinics to support disease surveillance programs. As of 2013, WAH had expanded to 50 clinics in seven provinces with a combined population of more than 2 million people and is serving more than 1,800 patients daily.

Deploying Science-Based Tools and Methods to Improve Math and Literacy Instruction

In January 2013, RTI released a new open-source software tool called Tangerine:Class. A companion to our successful Tangerine® tool—which has been used in 19 countries in Asia, Africa, and the Caribbean—Tangerine:Class enables teachers to systematically collect, analyze, and use results from continuous assessments of students' reading and math skills.

Throughout 2013, we conducted a rigorous field trial of the tool as part of a USAID-funded project that seeks to improve Kenyan children's language and math skills by the second grade. Led by RTI in partnership with the Government of Kenya, the Primary Math and Reading (PRIMR) Initiative uses innovative, data-based instructional methods to improve student outcomes in reading and math. Teachers receive coaching on implementing English and Kiswahili reading and math programs developed in collaboration with the Ministry of Education, Science, and Technology and other local stakeholders.

Results from the first year showed that pupils in a PRIMR-supported school are twice as likely to read with fluency and comprehension.

RTI was awarded a grant from the United Kingdom's Department for International Development (DFID) to extend this work to 800 rural primary schools, where we will conduct a randomized controlled trial of three different approaches to teacher training. Study findings will help Kenyan education officials improve education quality across the country.

"Tangerine:Class not only facilitates the administration of these continuous assessments but also helps teachers understand results," said Carmen Strigel, Tangerine® developer. "The software provides guidance to inform instructional decisions about pacing and ability grouping and suggests activities to promote parent engagement."



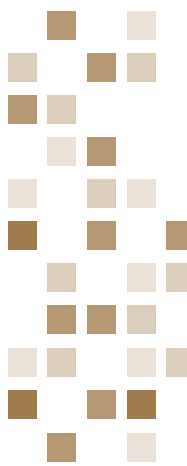
Strengthening Governance and Public Policy Around the World

For decades, RTI has led efforts in Asia, Africa, and Latin America that foster good governance and civic engagement in countries seeking to improve their ability to respond to citizens' needs. This year we highlight efforts that have made significant improvements in the lives of citizens in El Salvador, Guinea, and South Africa.

In El Salvador, RTI is in the final year of an innovative USAID-funded project that fosters public-private partnerships in support of economic growth and crime reduction. Under the Municipal Competitiveness Program, we are working in 50 municipalities and providing assistance to local NGOs as well as business, financial, and educational institutions to help attract investment, improve economic development, and generate jobs.

In FY2013, the program received the first-ever grant from President Obama's Partnership for Growth, which will finance the development of a sports facility in the rural village of Apastepeque.

Ultimately, the program aims to develop local capacity to design and implement programs that will stimulate public-private engagement, help entrepreneurs, and improve access to finance for small and medium enterprises.



In El Salvador, we are working with USAID and municipalities such as Apastepeque, where Brian Mosley, JD (with shovel), and Peter Vaz, PhD (right), attended the groundbreaking of a new sports facility. Municipal facilities like this can help spur economic growth and reduce crime.



In Guinea this year, we concluded a multisector intervention—known as *Faisons Ensemble*—that has been supporting Guinea’s transition to democracy after 50 years of autocratic rule.

Funded by USAID, RTI led a consortium of more than a dozen organizations to train local leaders in participatory planning, partnering with more than 1,000 civil society organizations (CSOs) to improve services, transparency, and accountability.

The project’s impact spanned education, health, agriculture, and natural resource management. Examples include a new middle school civics curriculum, nearly 200 new adult literacy centers, HIV counseling and testing centers that provide services to nearly 100,000 people each year, three new radio stations to keep citizens informed, and increased citizen involvement in oversight of health centers and schools. The project also strengthened forest management committees and agricultural producer groups and improved government services provided to these groups.

In South Africa, 2013 marked the completion of the Women’s Justice and Empowerment Initiative, a program we led on behalf of USAID. Our experts worked with national authorities and local NGOs to implement and expand the country’s Thuthuzela Care Centers for rape survivors. The Thuthuzela model—whose name derives from the Xhosa word for “comfort”—improves the treatment of rape survivors and thereby reduces secondary victimization, reduces the time to finalize a criminal justice case, and raises conviction rates.

We provided technical assistance to help strengthen national, provincial, and local systems, developed an electronic case management system, and managed grants for NGOs that provide counseling and after-care services.

Under this project, 23 new centers were established across all nine provinces, and more than 27,000 victims received support. These centers are now absorbed under the local authorities to ensure their sustainability.

“In 2011, Guinea held its first democratic elections in more than 50 years,” noted Christian Arandel, home office manager for Faisons Ensemble. “Today, Guinean youth and civil society are involved in local government, auditing its performance and participating in decision making.”



Deliver

HELP

At RTI, we are committed not only to delivering exceptional research that helps improve the human condition worldwide but also to helping those closest to us—our friends and neighbors in the communities where we work.



Giving Back to Our Communities

\$430K

United Way

\$138K

120 Charities
through Community
Partnerships Program

\$91K

Red Cross Disaster
Relief

\$48K

Raised for UNC-TV

19

Fundraising Events

Throughout the year, our staff members volunteered for a wide range of charitable causes, standing behind the institute's efforts to make the world a better place through initiatives like our Community Partnerships Program. Though the program is funded by RTI as an organization, it is driven by our employees. RTI staff members nominate charities that support the causes most important to them—causes they support personally with time and resources, as well.

This year through the Community Partnerships Program, RTI donated more than \$138,000 to 120 organizations. In addition, staff members participated in 19 fundraising events, including the American Heart Association's Triangle Heart Walk, the AIDS Walk, and the Susan G. Komen Race for the Cure.

For FY2013, the Community Partnerships Program placed an emphasis on funding organizations that provide direct services for basic needs such as food and housing, as well as domestic violence programs, organizations that serve children and people with disabilities, and programs that provide health services and education.

Examples include the Atlanta chapter of Back on My Feet, an organization that fights homelessness, Sisi ni Amani International in Nairobi, Kenya, which works to prevent violence, the Mission Neighborhood Resource Center in San Francisco, the Greater Chicago Food Depository in Chicago, and many other programs in communities where we maintain offices.



RTI staff members Breda Munoz, Eddie Story, Rebecca Switzer, and Gwendolyn McNeill joined in the annual Sort-A-Rama in support of the Food Bank of Central & Eastern North Carolina.

When others suffer, our employees respond. In November 2012 when Hurricane Sandy left hundreds of thousands of people in the northeastern United States homeless, our staff members donated more than \$33,000 to the Red Cross, which was matched by the institute. In May 2013 our employees again answered the need for disaster relief, this time donating nearly \$11,000 to support Red Cross efforts in Oklahoma after a deadly tornado strike. A gift of more than \$14,000 from RTI increased the total amount to \$25,000—a testament to the compassion of our individuals and our leadership.

Throughout the year, our staff members again showed that they are as quick to commit time as they are to donate money.

At our home office in North Carolina, we continued our tradition of support for UNC-TV. As part of FESTIVAL 2013, one of the largest fundraisers for the public television station, 45 staff members and their guests helped raise \$48,288 at RTI's annual corporate night on March 6.

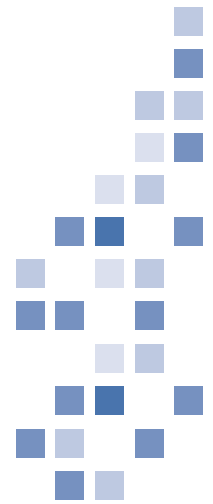
As a sponsor of the annual Sort-A-Rama for the Food Bank of Central & Eastern North Carolina in September, RTI was one of 13 local companies that met to assemble more than 111,000 meals for distribution across 34 counties.

Volunteers at the annual United Way Drop-In Event on our North Carolina campus wrote notes of encouragement for soldiers serving overseas, made fleece blankets for distribution to Hospice of Wake County, and made sandwiches for the Inter-Faith Council for Social Service's Community Kitchen.

This event was in addition to our annual United Way campaign, which was a tremendous success again this year. Our contributions totaled more than \$430,000, more than three-quarters of which came from staff. Volunteers with the RTI Women's Leadership Council for the United Way supported events such as the 10th annual United Way of the Greater Triangle luncheon and dessert auction. The auction raises funds to send young girls, many from disadvantaged homes, to the United Way Leadership Camp for Girls.

We also donated computers, docking stations, power supplies, and other electronics to the United Way's Teaming for Technology program, which provides computers to individuals, families, and schools to help narrow the achievement gap and bridge the digital divide.

In February, we were proud to receive our third consecutive Spirit of North Carolina Award in recognition of our commitment and support to communities through local United Way involvement.



RTI staff members participated in 19 fundraising events like the Triangle Heart Walk, where we raised \$37,000 for the American Heart Association.



Leadership

RTI is led by an experienced group of senior executives who represent a cross-section of our research fields and business operations. These leaders implement our business strategy and oversee operations for our global enterprise.

Our executives are accountable to RTI's president and board of governors, our primary governing body, which formulates policy consistent with our mission to improve the human condition by turning knowledge into practice. The board meets at least bimonthly and consists of up to 15 governors who represent the 17 University of North Carolina institutions, Duke University, and the business and scientific communities.

*Front row, left to right: Martha Roberts, Allen Mangel, Mike Kaelin, Jim Gibson.
Back row, left to right: Eddie Story, Tim Gabel, Wayne Holden, Aaron Williams.
Not pictured: Jim Trainham.*





Front row, left to right: Peter Lange, Bob Ingram, Barbara Entwisle, Bill Moore, Terri Lomax, Hilda Pinnix-Ragland, John Moellering. Back row, left to right: Champ Mitchell, Troy Nagle, Harold Martin, Wayne Holden, Phail Wynn, Jim Siedow. Not pictured: Peter Scott, Tom Darden.

Executive Leadership

E. Wayne Holden

President and Chief Executive Officer

James J. Gibson

Executive Vice President and Chief Operating Officer

Michael H. Kaelin Jr.

Executive Vice President and Chief Financial Officer

Tim J. Gabel

Executive Vice President, Social, Statistical, and Environmental Sciences

Aaron S. Williams

Executive Vice President, International Development Group

Allen W. Mangel

Executive Vice President, RTI Health Solutions

James Trainham

Vice President, Strategic Energy Initiatives

G. Edward Story

Senior Vice President, General Counsel, and Corporate Secretary

Martha J. Roberts

Senior Vice President, Human Resources and Facilities Services

Board of Governors

William M. Moore Jr. (Chair)

Managing Partner, Lookout Capital

Peter M. Scott III (Vice Chair)

Former CFO, Progress Energy; Former President and CEO, Progress Energy Services Company

Thomas F. Darden

President and Chief Executive Officer, Cherokee Investment Partners

Barbara Entwisle

Kenan Professor and Vice Chancellor for Research, University of North Carolina at Chapel Hill

E. Wayne Holden

President and Chief Executive Officer, RTI International

Robert A. Ingram

General Partner, Hatteras Venture Partners; Former CEO, GlaxoWellcome

Peter Lange

Provost, Duke University

Terri L. Lomax

Vice Chancellor for Research and Innovation, North Carolina State University

Harold L. Martin Sr.

Chancellor, North Carolina A&T State University

W. G. Champion Mitchell

Former CEO, Network Solutions

John H. Moellering

Chairman Emeritus, USAA

H. Troy Nagle

Professor, Joint Dept. of Biomedical Engineering, University of North Carolina at Chapel Hill and North Carolina State University

Hilda Pinnix-Ragland

Vice President, Corporate Public Affairs, Duke Energy

James N. Siedow

Vice Provost for Research, Duke University

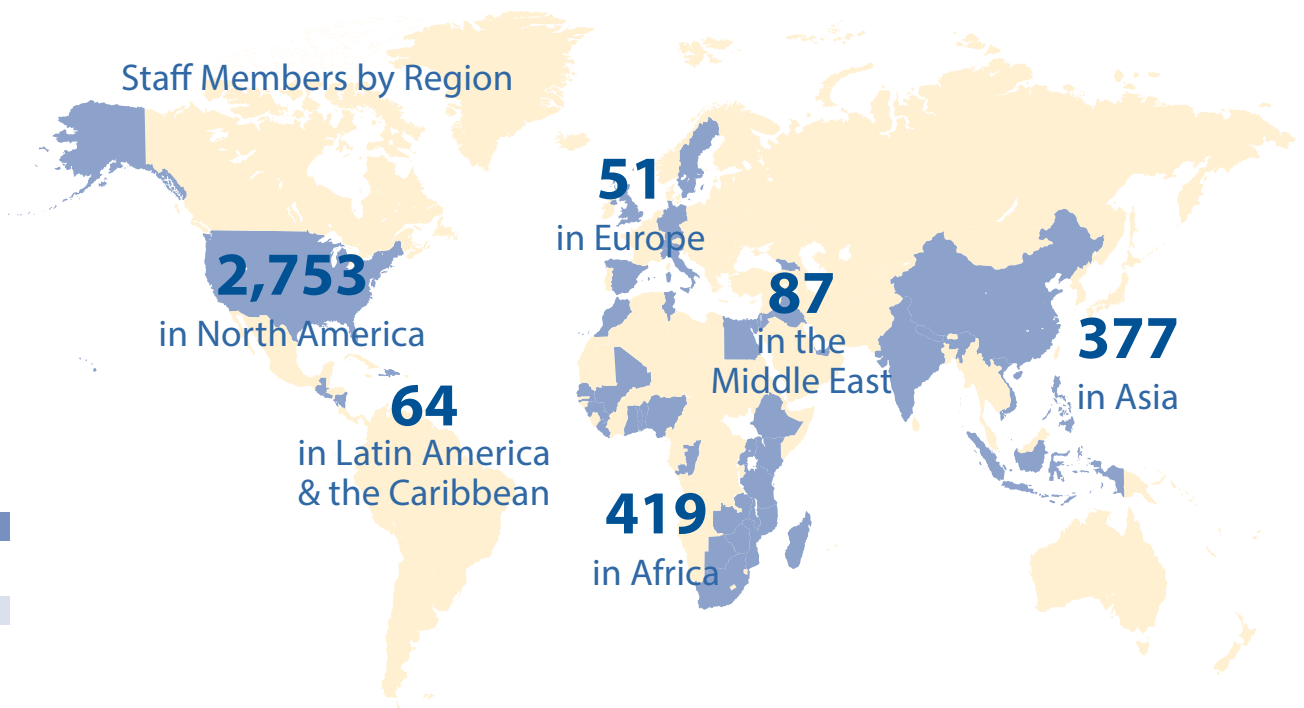
Phail Wynn Jr.

Vice President, Durham and Regional Affairs, Duke University

Global Presence and Financial Strength

Headquartered in Research Triangle Park, North Carolina, RTI maintains eight regional offices across the United States and 10 international offices to support our ongoing projects and evolving client needs. Our U.S.-based staff of more than 2,700 supports both domestic and international projects, working closely with nearly 1,000 internationally based staff members around the world. Staff members in these locations support projects locally and in other countries where RTI leads efforts on behalf of our clients.

We have more than 50 years of international experience and have conducted projects in more than 140 countries. This year alone we worked in 84 countries across Africa, Asia, Latin America, the Caribbean, the Middle East, and Europe.



Across RTI, our staff members represent more than 80 nationalities and speak nearly 90 languages, enabling us to collaborate effectively with fellow researchers, clients, and stakeholders around the world.

RTI is a thriving institute with a strong financial position and outlook. During the fiscal year that ended September 30, 2013, we recorded revenue from contracts and grants totaling \$783 million. As a 501(c)(3) nonprofit institute, we reinvest net revenue in programs, facilities, and new capabilities that further our mission to improve the human condition by turning knowledge into practice.



Clients, Funding Agencies, and Partners

U.S. Government

Department of Agriculture
Department of Commerce
Department of Defense
Department of Education
Department of Energy
Department of Health and Human Services

- Administration for Children and Families
- Agency for Healthcare Research and Quality
- Centers for Disease Control and Prevention
- Centers for Medicare & Medicaid Services
- Food and Drug Administration
- Health Resources and Services Administration
- National Institutes of Health
- National Toxicology Program
- Office of the National Coordinator for Health Information Technology
- Office of Population Affairs
- Substance Abuse and Mental Health Services Administration

Department of Homeland Security
Department of the Interior
Department of Justice
Department of Labor
Department of State
Department of Transportation
Environmental Protection Agency
National Aeronautics and Space Administration
National Institute of Standards and Technology
National Science Foundation
U.S. Agency for International Development

Private Sector

3M
Abbott Laboratories
AMEC
Amgen
Arkema
AstraZeneca
BASF
Biogen Idec
Boehringer Ingelheim
Bristol-Myers Squibb
CEMEX
Chevron Corporation
Cisco Systems
Coffey International
The Dow Chemical Company
DRS Technologies
DuPont
Eli Lilly and Company
GE Healthcare
General Mills
Golden Pacific Laboratories
The Hamner Institutes for Health Sciences
H.J. Heinz Company
The Johnson & Johnson Family of Companies
Johnson Matthey
KBR
Lockheed Martin
Medtronic
Merck & Co.
Newell Rubbermaid
The Nielsen Company
Novartis
Novo Nordisk
Ogawa & Co. USA
Pfizer
Qualcomm
RF Micro Devices
F. Hoffmann-La Roche
Sanofi
Saudi Aramco
Shell
Teva Neuroscience
U.S. News & World Report

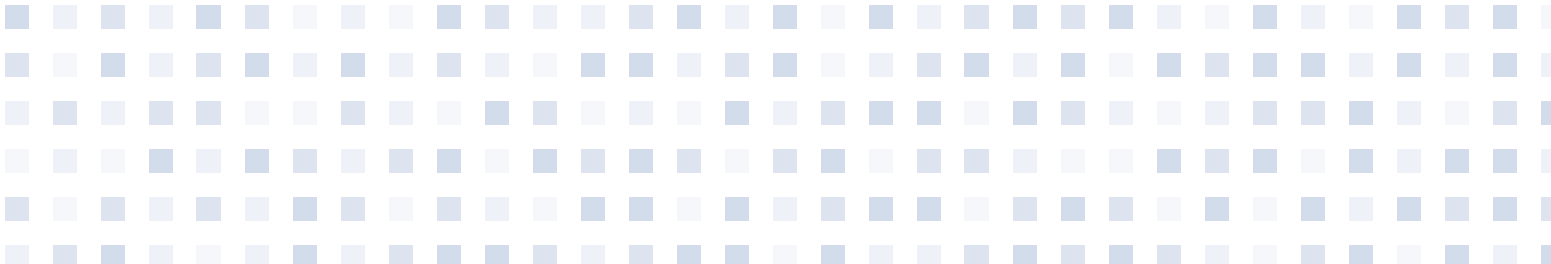
Other

Abu Dhabi Executive Affairs Authority
American Heart Association
American Industrial Hygiene Association
American Legacy Foundation
ASHRAE
Asian Development Bank
Australian Government Department of Foreign Affairs and Trade
Bill & Melinda Gates Foundation
Ford Foundation
Global Alliance for TB Drug Development
Health Effects Institute
Inter-American Development Bank
International Partnership for Microbicides
Ministry of Foreign Affairs of the Republic of China (Taiwan)
National Multiple Sclerosis Society
Robert Wood Johnson Foundation
Smith Family Foundation
Spencer Foundation
United Kingdom Department for International Development
U.S. state governments
The William and Flora Hewlett Foundation
Wood Buffalo Environmental Association
The World Bank
World Health Organization

Partners and Co-Funders

Archer Daniels Midland
Books for Africa
Clariant International
Enventys
Haldor Topsoe
International Book Bank
Phillips 66
SIL LEAD
Veolia Environmental Services
VSO International
World Education

www.rti.org



■ Headquarters



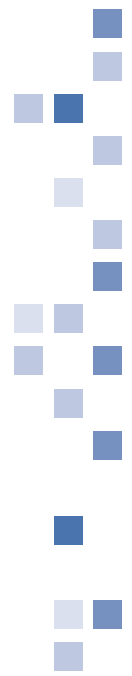
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Manchester, United Kingdom
Nairobi, Kenya
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San Salvador, El Salvador
Sheffield, United Kingdom



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 3,700 provides research and technical services to governments and businesses in more than 75 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 testing and chemical analysis. For more information, visit www.rti.org.

RTI International is a trade name of Research Triangle Institute.

