



CTIS | A HEALTH
INFORMATICS
COMPANY
Proven Solutions. Improved Results.



Providing Global Health Services Through Informatics



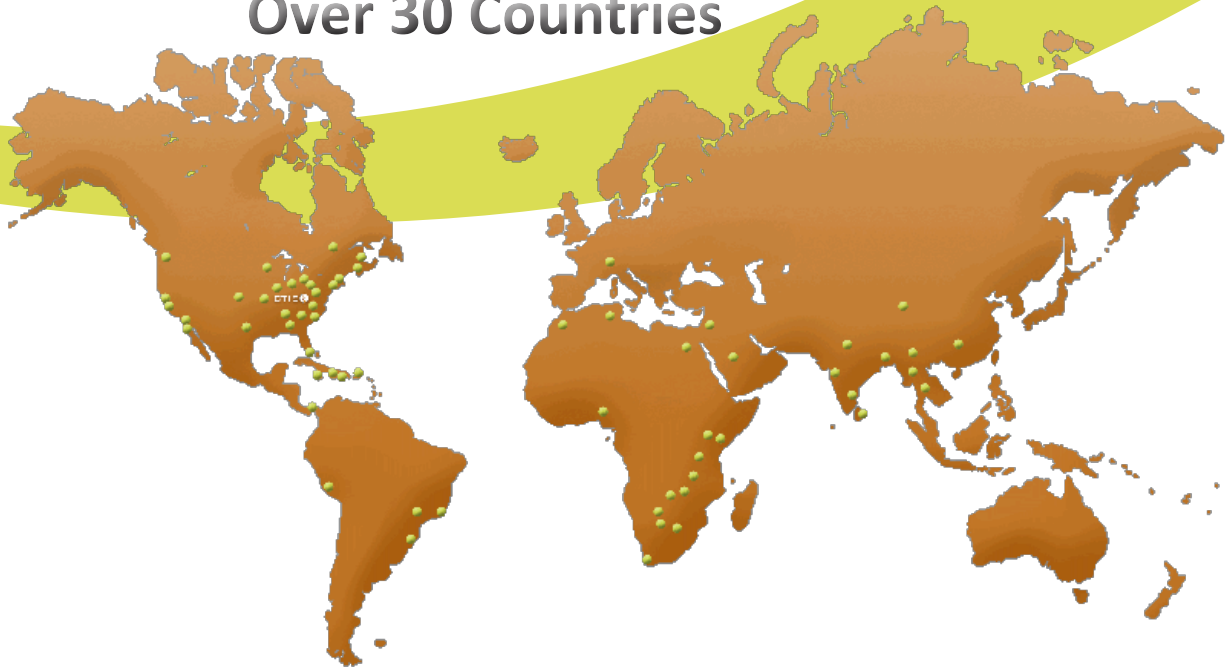
Our mission is to harness the power of information technology to deliver significant health improvements in collaboration with indigenous leaders worldwide that assure sustainable results.

Our vision is for a population based healthcare program focusing particularly on women and children in the developing countries as they hold the greatest promise for enduring success.

To deliver Global Health Services, CTIS focuses on providing Information Technology services and works with local and global non-governmental organizations (NGOs) partners. One such partner is INCTR who has a presence in over 25 developing countries and they work with The World Health Organization (WHO), the International Atomic Energy Agency (IAEA) and the National Cancer Institute, USA, (NCI).

With the Power of IT, CTIS has provided Global Health Informatics in collaboration with its local partners by reusing the systems developed in the USA and realigning them to be used globally. CTIS has implemented strategic and innovative approaches to deal with local and cultural based issues. With CTIS' networking capacity and presence in more than 30 countries enables us to support global health projects.

Global Presence in Over 30 Countries



We believe humanity is essentially interrelated and that improving healthcare especially where people are most vulnerable improves the wellbeing, happiness and safety of all. Subsequently, we have been applying proven health informatics as well as providing innovative and highly collaborative services in many diverse settings. CTIS provides various Health IT services in the areas of prevention, epidemiology, surveillance, clinical research, chronic diseases, diabetes, hypertension, cancer and healthcare. CTIS has engaged in many Global Health projects resulting in measurable outcomes and significant impact worldwide.

Africa and Near East

Network for Surveillance of Pneumococcal Disease (NetSPEAR) Project, Eastern Africa

Supported by the Global Alliance for Vaccines and Immunization (GAVI), CTIS developed a portal framework to facilitate collaboration and support health information exchange between 12 surveillance sites in the East African region enabling project stakeholders to provide efficient submission of data, improved analysis, and enhanced overall management of the project.

AIDS Care and Treatment in Nigeria (ACTION), Global HIV/AIDS Initiative Nigeria (GHAIN), Nigeria

Funded by the President's Emergency Plan for AIDS Relief (PEPFAR), CTIS developed a Patient Management and Monitoring system for primary, secondary and tertiary government facilities, which was installed in 14 hospitals in Nigeria.

Health Strategy Project, Uganda and Kenya

Supported by the World Bank, CTIS directed the development of the overall country's healthcare strategy in defining health informatics requirements.

King Hussein Cancer center (KHCC), Jordan

CTIS assisted in the definition and design of a Hospital Information Management System (HIMS) that will encompass all aspects of a traditional management system as well as enable it to conduct cancer clinical trials.

Health and Environmental Impact Initiatives

CTIS participated and implemented various projects that used health information exchange to examine both health and environmental impact for countries such as Egypt, Saudi Arabia, Tunisia, Jordan, and Morocco. Such projects addressed issues with clean water and conducted audits in factories such as leather goods, the manufacturing industry as well as the cement industry.



India

Initiative for Cardiovascular Health (IC-Health), New Delhi
CTIS provided thought leadership and assisted in creating strategic plans and roadmaps enabling more informed decisions to control cardiovascular diseases and diabetes in low and middle-income countries.

Himachal Pradesh Cancer Screening (HPCS) Study, Shimla, Himachal Pradesh

CTIS developed the software and the portal framework for a health education survey to promote collaboration and improve overall project management.

Indo-US Advanced Networking Education Program on HIV/AIDS (Internet2), Pune, New Delhi

CTIS supported collaborative efforts to enable doctors to view high-resolution microscope slide, manipulate 3-D MRIs, and explore interactive presentations.

Indian Health Information Network Development (I-HIND), New Delhi

CTIS worked to generate a mutually beneficial, collaborative project between HIT stakeholders at I-HIND, to support future endeavors.

National Knowledge Commission (NKC), New Delhi

CTIS built a consortium dedicated to providing proper medical education in the areas of cancer, heart disease, diabetes, and other chronic diseases.

The Center for Clinical Global Health Education (CCGHE)
CTIS developed a web-based portal that provided a high level overview of ongoing clinical trials at different site levels and served as a central location for the exchange of information.

Chronic Care Institute (CCI), Gujarat

CTIS has supported the Public Health Foundation of India (PHFI) to build a CCI in order to conduct various types of research and mechanisms to manage chronic diseases.

Health Related Information Dissemination Amongst Youth (HRIDAY) & Student Health Action Network (SHAN), New Delhi

CTIS was a strategic partner, technical advisory, and sponsor of the First Global Youth Meet on Health (GYM) 2006 event which empowered nearly 10,000 young leaders through enhanced health awareness and strengthened health advocacy skills.

Arogya Foundation

CTIS designed a pilot project with the Foundation that involved the use of handheld devices for the advancement of rural health in order to enable villages to become self-dependent in health.

The Ekal Vidyalaya Foundation, New Delhi

CTIS has sponsored 50 schools in India and provides management, strategy planning, and informatics support to the Foundation.



Bangladesh

National AIDS Research Institute (NARI), Pune, New Delhi
CTIS developed a digital dashboard and web-based portal application that in order to facilitate the exchange of scientific information related to HIV/AIDS.

The Art of Living Foundation, Bangalore

CTIS provides management and strategy planning support to expand the educational and humanitarian programs which uplift individuals, make a difference in local communities, and foster global change.

Division of Cancer Epidemiology and Genetics (DCEG) Pilot Study, Trivandrum, Delhi, Mumbai

CTIS provided a Survey Management System (SMS) consisting of a portal-based dashboard that enabled the electronic data capture at source and monitoring of data.

CTIS' Presence in Conferences and Workshops

CTIS participated in various conferences which related to health management and the use of technology. Some conferences focused on Stem Cell Research, AIDS Workshops, Surgical Oncology, Networking Appliances and Services, and use of IT in Science and Education. CTIS assisted the National Institutes of Health (NIH) director, Dr. Zerhouni in establishing a bilateral agreement between US and India to provide technology tools and infrastructure in the combat of chronic diseases.

International Centre for Diarrheal Disease Research (ICDDR) Project, Bangladesh

CTIS developed a portal framework to enhance analysis and management. It was used across eight sites, which monitored the burden of pneumococcal disease in children, the introduction of vaccines, and awareness programs.

Division of AIDS (DAIDS)

DAIDS Enterprise System (DAIDS-ES)

CTIS has built the DAIDS-ES that provides informatics track to over 300 new international clinical performance sites in 27 countries, 20 of which are developing countries, conducting AIDS trials and has over 3,000 users. It is a web-based information system which enhances clinical research management and contributes to better patient treatment outcomes. Stakeholders reap substantial benefits in terms of time savings, reduced costs, improved stakeholder productivity, and higher levels of quality. Such benefits include: the ability to monitor and track total cost of ownership and perform portfolio management activities; make resource allocation decisions between various clinical trials protocols and clinical sites; scrutinize adverse event data across multiple clinical sites to assess the efficacy of the drug; and abstract data and perform comparative and predictive modeling with user-friendly interfaces.

Latin America

Preventorium, Lima, Peru

CTIS provided IT solutions for data collection and multi-site Preventoriums, clinics within hospitals providing public education cancer prevention programs, and software application that enables early registration, recruitment, retention and collection of demographic and lifestyle/behavior information.

Europe

Regional Competitiveness Initiative (RCI), Europe and Eurasia

CTIS developed a web-based portal and training to connect users, facilitate information sharing and knowledge collaboration among USAID missions and projects throughout the Europe and Eurasia region. The key topics addressed were Information Communications Technology (ICT), Agribusiness, Tourism, Regional Investment Promotion and Workforce Development.

International Network for Cancer Treatment and Research (INCTR), Headquarters in Brussels with branches in the USA, France, Brazil, Egypt and Nepal and offices in the UK, India and Tanzania

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- CTIS developed a clinical trial system focusing on the Acute Lymphoblastic Leukemia (ALL) Study Group which was used by four participating centers in India.
- CTIS supported development of a regional palliative care network and established the new palliative care program at the MNJ Institute of Oncology and Regional Cancer Center
- CTIS developed a portal-based survey application for “A Retrospective Survey of Presentation Features of Breast Cancer and Risk Factors for Treatment Outcome” to provide INCTR the complete management of all clinical survey activities.

“We are grateful for the long history of your collaboration and support of International Network for Cancer Research and Treatment (INCTR) and your contribution to the creation of Open Health Systems Laboratory (OHSL) as a global initiative for innovation in health systems leveraging informatics across the entire spectrum, education, research and delivery. CTIS also developed the clinical trials web based application which has been in use for several years in a number of Indian centers. To date, over 450 patients have been accrued to this study. CTIS provided all technical support required for the construction and maintenance of these applications. We would like to take this opportunity to express how pleased we are to have CTIS as our partner. What we value most is your vision and thought leadership.” – INCTR



Transformational Advances



- In collaboration with **Google Inc.**, CTIS has developed an interoperable Personal Health Record (PHR) software solution called **iMHealthe™**, which will be provided free of cost to developing countries. This solution is designed to support chronically ill patients by accurately documenting and communicating patient history to doctors and other health care providers.
- For the **National Science Foundation (NSF)** CTIS presented creative ways to provide satellite and internet to perform telecommunications in order to address health issues for researchers at the South Pole. CTIS also provided the South Pole Management IT and Telecommunication support.
- For the **Internet Education Equal Access Foundation (IEEAF)**, CTIS strategized the development of a network which would connect the developing countries and provide online medical education.
- CTIS supported the **Inova Health System's** activities in Haiti during the 2010 earthquake by providing financial and Information Technology (IT) consulting support.
- CTIS is supporting **Google's** commitment in developing countries to use mobile technologies for matching the right physicians with the patients by building and providing a Personal Health Record (PHR) solution.
- CTIS was a key player for the formation of **Open Educational Resources for Cancer (OERC)** which was designed to develop extensive cancer education material that are free of cost and used for cancer education, control and treatment around the world.
- In alliance with Johns Hopkins Center for Clinical Global Health Education, CTIS participated in the **electronic Mobile Open-source Comprehensive Health Application (eMOCHA)** initiative where CTIS will use Google's Android device to coordinate wireless devices with local server-based clinical training and patient care support services in order to improve communication and education, as well as patient care in under served countries.
- For the **Global Health Initiative (GHI)** at Boston University, CTIS will play the thought leadership role and assist in creating strategic plans and roadmap that converges public health, clinical research, networking, infrastructure and translational research objectives into a time sequenced and actionable plan.
- CTIS has become a partner of the **World Community Grid** by joining the IBM Corporation, a group of leading foundations, public organizations, and academic institutions. The World Community Grid addresses global humanitarian issues such as new and existing infectious and chronic disease research and researching cures for HIV/AIDS, Cancer and other illnesses.





About CTIS

CTIS has over 20 years of proven history in providing total informatics solutions to the health sector. CTIS provides innovative, appropriate, timely, and quality information technology solutions to health systems, health professionals, research organizations, and payors to support their goals in serving patients. To address this need, CTIS' informatics solutions converge health sciences, information technology, process reengineering, total quality management, and organizational effectiveness in order to optimize the capture, storage, and use of information in health and biomedical sciences.

CTIS is also building needed personal information solutions that serve patient directly in dealing with their healthcare providers. CTIS' leadership is at the forefront of national discussions that are defining the next generation of biomedical, clinical research, translational research, personalized medicine, comparative effectiveness research, performance driven healthcare, health disparities, elder care, and chronic disease management programs that will not only provide better patient care, but also meet the cost management goals of the health industry.