



CTIS | A HEALTH
INFORMATICS
COMPANY

Proven Solutions. Improved Results.

Public Health Surveillance

CTIS DELIVERING ON PROVEN PUBLIC HEALTH SURVEILLANCE SOLUTIONS

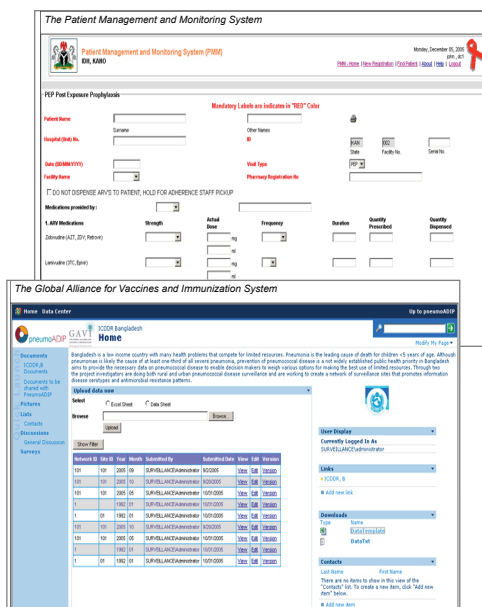
The goals of public health surveillance are to improve disease management through focused epidemiology studies, outbreak preparedness and response planning, and the building of preventive mechanisms through continuous assessment and reform of surveillance processes and practices. The use of electronic technologies in the surveillance arena is critical to ensuring that the right health information is available on demand, at any place, and at any time. In addition, the electronic mechanisms utilized in public health surveillance will facilitate the integration across diseases and disease stages, as well as enhance the needed infrastructure platforms, asset utilization, process streamlining, event monitoring, and endpoint evaluation throughout the stages of surveillance activity.

To meet the informatics demands of public health surveillance, CTIS has established five database systems to develop integrated electronic public health surveillance applications. These five electronic database systems are:

1. **SRRN Informatics** – Central to all surveillance informatics applications is the ability to **source, recruit, register and navigate** the population and patients.
2. **DIMI Informatics** – Critical success factors in all surveillance informatics applications involve the management of processes, workflow and key events including **detection, identification, mobilization,**

and intervention.

3. **OTPM Informatics** – Significant integration value is generated by continuous **outreach, training, provisioning and monitoring** of the organizational and network dynamics.
4. **SPRV Informatics** – Mission critical endpoint management is achieved through **standards, performance, results and value** building of the business intelligence and evaluation mechanisms.
5. **ARTC Informatics** – The best public health outcome is achieved by integrating surveillance across end-to-end disease management stages including **awareness, research, treatment and care.**



TESTED EXPERIENCE

CTIS is committed to public health locally & internationally. CTIS has significant experience in the disease surveillance area, with a specific focus on building surveillance informatics applications. CTIS's monitoring and surveillance client roster includes:

- Indian Council of Medical Research (ICMR)
- President's Emergency Plan for AIDS Relief (PEPFAR), Patient Management and Monitoring System (PMM), Global HIV/AIDS
- Initiative in Nigeria (GHAIN)
- Global Alliance for Vaccines and

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Immunization (GAVI)

- National Cancer Institute (NCI), Division of Cancer Epidemiology and Genetics (DCEG) (Epidemiology)
- International Network for Cancer Treatment and Research (INCTR)
- National Cancer Institute (NCI), Cancer Therapy Evaluation Program (CTEP)
- Community Ministries of Rockville (CMR)
- Primary Care Coalition of Montgomery County (PCC)

Case Study

National Institutes of Health (NIH), National Cancer Institute (NCI), Cancer Therapy Evaluation Program (CTEP) – Over the past 15 years, CTIS has won \$150 million in federal government contracts to build an informatics solution for CTEP that conducts surveillance in the clinical trials and health research process across the spectrum of electronic health record data reporting, adverse event reporting, site monitoring, treatment monitoring, drug distribution and overall survey conduct and data reporting. The CTEP data warehousing solution for monitoring and surveillance systems on clinical trials operates in an “open source and open architecture” environment and has over 15 data reporting applications. Additionally, the system encompasses over 8,000 sites across the United States with a network of over 15,000 physicians and 750,000 patients. The web-based solution created for CTEP is now being transferred to the NIH cancer Bioinformatics Grid (caBIG) infrastructure with CTIS as playing a key role in this integration process.

ABOUT CTIS, INC.

CTIS, Inc. based in Rockville, Maryland and founded in 1988, is a leading provider of award-winning clinical trial research and management solutions that combine industry best practices, advanced technology and regulatory compliance standards to address the unique needs of healthcare stakeholders worldwide. CTIS has developed a long-standing reputation helping federal regulatory agencies, academic medical institutions, pharmaceutical companies, and Contract Research Organizations (CROs) conduct studies across a broad spectrum of therapeutic areas and at all phases. CTIS offers proven solutions that enable clinical researchers to accurately capture and report data, boost productivity, and maintain fiscal responsibility in order to advance new treatments to market.



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