



## Key Points

- We leverage a deep and diverse skill base encompassing information technology (IT) services, electronic health records management, healthcare data analysis, logistics, case management, and investigations.
- Our health IT solutions enable efficient information sharing, reduce paperwork collection and control efforts, and improve healthcare quality.
- We specialize in HIPAA- and FISMA- compliant solutions and our systems are ICD-IO compliant.

## Customer Benefits

Health IT plays an important role in improving patient safety by facilitating information sharing and reducing the effort needed to manage electronic health records. Our solutions offer real-time, high-fidelity interactions among patients and their practitioners and preserve the integrity of payments made under Federal health entitlement programs. Beyond data quality efforts, our solutions enable the capture of comprehensive long-term health history, leverage near-instant access to medical data when and where it is needed, and automatically identify potential problems with medications or diagnoses. Overall, we deliver services that focus on patient safety and reducing healthcare costs. In addition, we specialize in HIPAA- and FISMA- compliant solutions and our systems are ICD-IO compliant.

## Customer Challenges

Health IT covers a broad array of technologies that store, share, and analyze health information. Health information can be in the form of electronic health records (EHRs) that healthcare providers maintain and/or personal health records (PHRs) that patients control. Utilizing health IT enables patients and doctors to quickly and more efficiently communicate health information with one another and take actions that will improve patients' quality of life. Because the information included in health records is highly confidential and can be sensitive in nature, it needs to be protected. As with any technology that stores confidential information, protecting it poses challenges on many fronts.

## NCI Solutions

Our talent pool includes public health experts, healthcare administrators, investigators, nurses, physicians, statisticians, network engineers, medical trainers, IT specialists, bioenvironmental engineers, and aerospace physiologists. We provide a broad spectrum of health IT services experience, including cybersecurity/information assurance, Health Insurance Portability and Accountability Act (HIPAA) and Federal Information Security Management Act (FISMA) compliance, data analysis/management, and case management to support healthcare benefit programs and improve the quality of healthcare services provided by health and medical personnel.



# Health IT and Medical Support

NCI's AdvanceMed subsidiary implemented an electronic medical record management design that supports full lifecycle needs, including initial creation, maintenance, use, and safe disposition of medical records. In addition, our system enhances the planning, control, organization, and direction of analysis activities performed by our medical staff (consisting of board certified physicians, nurses, physical therapists, occupational therapists, speech language therapists, and other allied health professionals). Once documents are received and loaded in our system, they can be indexed, searched, retrieved, and reviewed. Our applications allow for integration with images for long-term storage or short-term retrieval.

We maintain an extensive medical coding training support system as well as continual general training. This commitment to remaining current with Medicare policy is reflected in our quality assurance inter-rater reliability for decision accuracy with a consistent rating above 98 percent.

Our capabilities and infrastructure support all aspects of health IT and informatics, including the following:

- Healthcare Program Integrity Services
- Fraud Investigation and Medical Review
- Medical Record Storage and Management
- Healthcare Data Analysis and Management
- Strategic Planning and Consulting
- Electronic and Personal Health Records
- Collaboration and Telemedicine Solutions
- Occupational, Environmental, and Population Health Programs
- Medical Education and Training
- Access-to-Care Program Support
- Contingency Planning
- Aeromedical Evaluation and Combat Casualty Care
- Doctrine and Policy Development
- Social Media and Networking Tools and Solutions
- Clinical Review and Assessment Services
- Data and System Consolidation, Migration, and Modernization

## NCI Facts

EHRs are only as useful as the information they hold and how well that information can be trusted. Although health IT offers many benefits, EHRs in and of themselves do not eliminate all medical errors and cannot ensure patients always get the most effective treatment. To maximize the potential of health IT, we combine our IT prowess with medical professionals, data analysts, medical record managers, fraud investigators, statisticians, and program management professionals.

**NCI—Trusted partner when  
and where you need us most.**

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