



HealthCare
Solutions®

Information Security Solutions

Protect and control your healthcare information and technology assets

The Business Issue

While safeguarding information assets is a major focus in every industry, it's a particularly urgent concern for healthcare organizations. Protecting patient privacy while facilitating the access of assigned caregivers—especially in emergency situations—and implementing effective, practical security solutions takes specific knowledge of the healthcare environment. A comprehensive understanding of federal, state, and healthcare regulations on privacy and control is essential to resolving security issues and ensuring your organization's regulatory compliance.

But security is much more than a compliance issue. Protecting your clinical and business assets demands constant vigilance and an organized, planned approach that integrates security activities into every change in your healthcare or technical environment. This approach in turn requires a broad range of expertise in both healthcare and data security competencies.

As the national mandate for the sharing of patient information gathers strength in step with the growing number of regional health information network initiatives, patient privacy and the security of patient data become increasingly mission-critical priorities. It's essential not only to implement an appropriate security program, but to develop the capability to protect and restore your information assets in case of an adverse event.

The CTGHS Answer

CTG HealthCare Solutions (CTGHS) is a leading healthcare consulting firm with nearly two decades of experience in helping our clients achieve their clinical and business goals through information technology.

CTGHS healthcare consultants support the maintenance of secure enterprise information, achieve regulatory compliance, and protect your vital business assets through the delivery of consulting, clinical, financial, IT management, and advanced technology services that are solidly grounded in our nationally recognized expertise in the applications unique to healthcare organizations.

CTGHS information security specialists have performed over 250 security risk assessments to establish compliance baselines for healthcare providers, payers, and related organizations. Our strong security credentials are reflected in our authorship of the Health Information Management and Systems Society (HIMSS) *Certified in Healthcare Security* (CHS) training curriculum.

Our security consultants are backed by a dedicated virtual security technology facility, security assessment software toolkit, and knowledge management portals. They offer a full spectrum of information security services that include security assessment, architecture, and integration; continuity management; federal, state, and local government agency support; and Sarbanes-Oxley compliance services—all within the context of a healthcare environment.



CTGHS Information Security Services

CTGHS' comprehensive information security services include:

Security Assessment Services: Identification and assessment of potential risk to health-care operations through:

- **Regulatory adherence:** Identification of areas of risk or noncompliance
- **Controlled intrusion and exploitation testing:** Periodic, controlled testing of internal and external access points to protect key resources and information
- **Threat and vulnerability analysis:** Classification of functions, resources, and information according to their value and associated risk
- **Security architecture baseline assessment:** Examination of the relationship between people, processes, and technology to establish a foundation for security initiatives and define minimum baseline security metrics to meet regulatory compliance
- **Security policies and procedures:** Comprehensive review of current guidelines to identify necessary changes and develop appropriate policies, procedures, and standards to meet federal, state, and industry regulations
- **Web application security:** Analysis of web application security at its three primary tiers: presentation, session, and data storage
- **Incident response:** Rapid response to a security breach to minimize damages and loss and ensure that the appropriate procedures are followed to safeguard the integrity of evidence

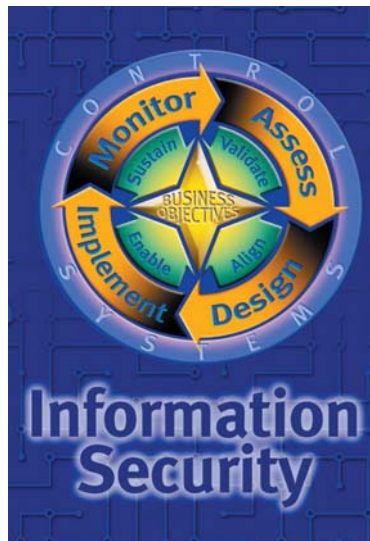
Security Architecture Services: Establishment of a framework for a consistent and unified approach to development and improvement of information security through:

- **Identification of regulatory requirements** that affect your organization (e.g., JCAHO, NIST 800, HIPAA, ISO 17799)
- **Architecture mapping:** Inventory of technology infrastructure components to map and classify information and assign it a security level
- **Architecture hardening:** Definition of minimum security baselines for infrastructure components

- **Security architecture design:** Design of an enterprise-wide security architecture that incorporates strategies to mitigate identified risks
- **Security organization design:** Support for development and integration of an effective security organization

Security Integration Services: Implementation and integration of physical and logical controls to support the selected security strategies through:

- **Security integration strategies:** Formulation of a detailed work plan to integrate the defined security solutions into the enterprise



- **Security administration:** Comprehensive support for enforcement of defined security policy

Retained Security Services: Apply the full resources of CTGHS' Information Security Solutions team to any project or initiative where additional expert security support is needed. Your organization can contract for a specified number of hours over a defined time period or utilize our virtual Chief Security Office and mentoring programs.

Care Continuity Management Services: Assessment of your organizational care processes and development of a continuity plan focused on the care delivery process rather than technology—a plan that protects your patients, not just your information assets.

CTGHS helps healthcare institutions and related organizations maximize the potential of their information systems to achieve their financial and clinical objectives. Our consulting, clinical, financial, advanced technology, and IT management solutions resolve high priority IT issues and provide significant return on investment for our clients. CTGHS is recognized for our ability to mobilize healthcare and IT expertise, to use proven methodologies, and to draw upon our corporate knowledge base in a client-responsive and cost-effective manner. We rely on AssureWare™, our standardized engagement management methodology, to deliver consistent, timely results.

