

# Health Information Exchange

## Connecting Clinical Information to Drive Healthcare Change

The United States Department of Health and Human Services estimates that increased use of Health Information Technology (HIT) and Health Information Exchange (HIE) could save the US billions of dollars each year, improve health quality and expedite healthcare delivery.

Now more than ever it is paramount that healthcare providers adopt HIT as well as participate in health information exchange. With the recent passage of the American Recovery and Reinvestment Act of 2009, healthcare providers have the opportunity to take advantage of \$19B in stimulus money for HIT and HIE initiatives. This landmark legislation provides the critical funds needed to institute the foundation of widespread clinical information exchange.

CGI understands that the pathway to sharing healthcare information is often fraught with confusion and frustration. From the small physician practice still living in the isolated world of paper records to the visionary leaders wanting to implement statewide interoperability, **CGI has the commitment, stability, experience, and expertise** necessary to deliver the right solution that will enable organizations to achieve their goals and recognize real results. Our services include:

**Information Exchange at any scale, at any capability** — Whether it's exchanging data within the walls of a single facility, throughout a state or across the nation, CGI can get your clinical data where it needs to be. Entities with a wide range of technical capabilities and data formats can connect to a HIE with CGI's expertise, helping navigate through the hurdles of interoperability standards, transformations, policies and security.

**HIE support across entire clinical and business lifecycles** — CGI has the know-how to provide a full spectrum of solutions and services in support of health information exchange networks — from organizational startup through development, hosting, operations and expansion. Our HIE services include:

- Program Management
- Organizational Definition and Governance
- Business and Financial Planning
- Technical Architecture Definition
- IT Procurement Support
- Implementation of Clinical Data Networks including:
  - Negotiating Data Sharing Agreements
  - Security, Privacy and Patient Consent Management
  - Testing and Deploying Solutions
- Hosting and Operations

## INDUSTRY DEPTH AND EXPERTISE

Serving the healthcare industry since 1992, CGI has a long established and focused healthcare practice, providing clients with a partner that is not only expert in IT, but expert in their business. We understand our clients' operating realities and have the know-how and solutions needed to advance their business goals. At CGI, we believe in implementing technology solutions that transform our clients' business environments.

- Health Information Exchange networks in the US (RHIOs) and Canada (LHINs)
- Nationwide Health Information Network
- Federal, state, regional and provincial health departments
- Major teaching hospitals and medical facilities
- Hospitals and health systems of various sizes and geographies
- Long-term care facilities
- Specialty hospitals, such as psychiatric, behavior health, pediatric and cardiologic
- Managed care organizations
- Blue Cross Blue Shield plans

## A PARTNER OF CHOICE

CGI knows the business of healthcare. Having provided services and solutions to more than 40 major healthcare systems, 200+ hospitals and 208,000 users, we've established the best practices needed to help healthcare organizations advance their goals. Additionally, CGI has successfully completed more than 3,500 assignments and has built hundreds of client relationships.

**Best of Breed Technical Solution** — The CGI HIE infrastructure offers best of breed capabilities, demonstrated large scale experience and a commitment to interoperability and transparency. Our solution includes components from our industry-leading partners and is driven by the latest interoperability standards and enables the connection of numerous points of care across the continuum. Our core HIE infrastructure is tailored to meet clinical, business and growth needs and can include:

- A Master Patient Index to link patient records across health providers
- A Clinical Document Registry to identify and locate individual documents within the network, supporting federation of clinical data sources
- A Clinical Document Repository to store patient records
- A Clinical Data Repository to store patient data for health analytics
- A Clinical Portal for clinicians to securely query for and access patient data
- A Service Oriented Architecture (SOA) offering data transformation and normalization, service orchestration and robust security features

**Support of Standards** — CGI regards support of standards as a key architecture principle in the development of HIEs. Support of standards in an HIE infrastructure is key to ensuring a “future-proof” platform for health-care. The stimulus bill emphasizes standard profiles as a way of harnessing clinical data and standards may be tied to the ability to receive incentives.

**Ability to bring Health Information to National Framework** — As one of the key collaborators on HHS’ Nationwide Health Information Network Trial Implementation project, CGI has the experience and technical ability to connect multiple HIEs together to form a “network of networks.” Having a HIE architecture that is “NHIN capable” and aligned with CCHIT’s certification criteria is important as it fits with the federal government’s vision to share patient information across America by 2014.

#### **CONTACT:**

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#### **ABOUT US**

At CGI, we’re in the business of satisfying clients. For more than 35 years, we’ve operated upon the principles of sharing in clients’ challenges and delivering quality services to address them. As a leading IT and business process services provider, CGI has approximately 31,000 professionals operating in 125+ offices worldwide, giving us the competitive advantage of close proximity to our clients. Through these offices, we offer local partnerships and a balanced blend of global delivery options to ensure clients receive the combination of value and expertise they require.

#### **SOLUTIONS FOR THE HEALTH OF HEALTHCARE™**

In the healthcare sector, CGI couples extensive industry expertise with a full range of services and delivery options. CGI understands healthcare industry trends and is a leader in developing innovative business and technology solutions that help healthcare payers, providers and government departments harness the power of technology to lower their costs and enhance productivity while improving the quality of care.