



E-Health Technologies and Canada: The Future Is Here

Canada is an early adopter of cutting-edge health technology hardware, software and services. Innovations in electronic health care — or e-health — improve patient care and safety, and help to manage costs and human resources. We are keeping our commitment to universal health care for all our citizens, and we have developed world-class e-health product and service capabilities — capabilities that are increasingly providing health care solutions around the world.

> CANADA'S ADVANCED E-HEALTH TECHNOLOGIES

provide the tools and techniques needed to deliver the highest quality of health care. Our companies have well-established track records in health care provider systems, leading-edge physician office systems, long-term and acute care at a distance (telemedicine), and in-home and community care.

Electronic Health Records

- Electronic health records allow the sharing of a patient's clinical information across the entire continuum of care, reducing medication errors and duplicate testing. We are well on our way toward our goal of having an interoperable electronic health record for all Canadians, and we are at the forefront of electronic health records development and implementation — investing over \$2 billion to date.
- Leading companies include **CHCA Computer Systems, MediSolution, Momentum Healthware** and **Purkinje**.

Physician Office Systems

- **CLINICARE Corporation** is Canada's largest provider of applications for electronic medical records and practice management in Canadian and American group practices.
- Other leading companies include **ABELSoft Corporation, Healthscreen Solutions, Nightingale Informatix Corporation, Optimed Software Corporation, Practice Solutions, Wolf Medical Systems** and **York-Med Systems**.

Imaging, Archiving and Communications

- Canadian companies — already well-known for their digital imaging expertise — are leaders in developing and deploying picture archiving and communications systems. These systems simplify workflows in imaging departments, make information accessible to multiple users simultaneously and can lead to shorter hospital stays, decreased waiting times and faster diagnoses.
- **Bycast** enables the live transmission of full-motion video from ultrasound, fluoroscopy and endoscopy scans between geographically separated health care facilities.
- Other leading companies include **ART Advanced Research Technologies, Intelrad, Imaging Dynamics, Resonant Medical, RamSoft** and **Softmedical**.

Drug Information

- Canadian drug-information technology fosters the creation of physician-pharmacist networks that improve best practices, services and care — preventing expensive medication errors.
- Leading companies include **Logibec Groupe Informatique, Emergis (a TELUS Company)** and **SXC Health Solutions**.

Alternative Health Care Delivery

- In the quest for more economical and effective health care delivery, Canadian companies have developed in-home and remote monitoring, as well as medical research support and assessment support systems for alternative care facilities.
- **New IT Healthcare's** Intelligent Distance Patient Monitoring system uses a central telemonitoring facility to allow health care professionals to monitor patients who wish to remain in their homes.
- Other leading companies include **Assessment & Intelligence Systems, Campana Systems, IgeaCare, Medical Intelligence, Procura, TeleMED Diagnostic** and **Timeless Medical Systems**.

Administration and Financial Systems

- Canadian administration and financial applications can improve service levels and operational efficiencies, allowing organizations to manage their resources more effectively.
- Leading Canadian companies include **Medisolution, Ormed Information Systems, Halogen Software, rL Solutions** and **QHR Technologies**.

e-Health Technology Services

- Canadian e-health consulting firms help hospitals and alternative care facilities adopt complex technology systems smoothly and effectively.
- Leading Canadian companies include **CGI, The Courtyard Group, Healthtech, Sierra Systems Consultants, xwave (a Bell Alliant company), Nortel Networks, DeltaWare Systems** and **The Branham Group**.

Clinical Information Systems

Canadian firms offer key assistance to health professionals in many clinical and speciality areas like:

- **LMS Medical** in obstetrics, **Eyelogic Systems** and **OD Professional** in optometry, **ORTHOsoft** in orthopaedics, **Medusa Medical** and **Medworxx** in emergency readiness, **Crescendo Systems** in dictation and voice systems, **MED2020 Health Care** in abstracting, and **Britech-Synova** in laboratory management and pathology.

Cutting-Edge Canadian Research

- **GenoLogics** is an outstanding developer and provider of lab and management software for proteomics biomarker discovery and research. Its Geneus™ system is specifically designed for genomics and systems biology researchers.
- National associations foster collaboration among industry members and provide very current information on research, R&D, investment and partnership opportunities:
 - **Association of Health Technologies Industry** (www.aits.ca)
 - **Canada Health Infoway** (www.infoway-inforoute.ca)
 - **Canadian Healthcare Information Technology Trade Association** (www.chitta.ca)
 - **COACH Canada's Health Informatics Association** (www.coachorg.com)
 - **Canadian Society of Telehealth** (www.cst-sct.org)

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For in-depth industry-specific analysis and reports, statistics, news, events and contacts, visit Industry Canada's website at www.ic.gc.ca/ICT.

For further information about doing business with Canada and to contact a Trade Commissioner in your area, visit the Canadian Trade Commissioner website at www.tradecommissioner.gc.ca.

Other brochures in this series — on ICT, wireless, security and digital media — are available on Industry Canada's website.