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eHealth InfoSource cybersanté is a free electronic current awareness service alerting readers to new electronic information resources available in eHealth. It is published by the Office of Health and the Information Highway, Health Canada. More information about this publication.

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Find more eHealth resources on our Web site at http://www.hc-sc.gc.ca/ohih-bsi/res/index_e.html

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Announcements

Looking for Organizations in eHealth?

Consult the Organizations page of the OHIH Web site at http://www.hc-sc.gc.ca/ohih-bsi/res/orgs_e.html
This page provides links to government and non-government organizations, to health networks, to health portals, and to standards organizations, for Canada as well as other countries. It also includes privacy commissioners and provincial/territorial ministries of health within Canada.

Looking for eHealth Education and Training programs?

The Education and Training page is found on the OHIH Web site at http://www.hc-sc.gc.ca/ohih-bsi/res/educ_e.html
This page provides a listing of eHealth programs available in Canada and around the world. The programs include informatics, information management, information systems, information technology, privacy, technology assessment, telehealth, and telenursing.

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Conferences

Conferences happening in the next 4 months in Canada and the United States, that focus on information and communications technologies in health, health informatics, health information management, health technology assessment, and privacy. Access all of the upcoming Conferences listed on our site (including conferences from around the world and into 2004).

November 2003

November 1, 2003. **International Mobile Informatics Conference in Healthcare (IMICH) 2003.** (Halifax, Nova Scotia, Canada.) http://www.pdacortex.com/IMICH2003/index.htm **POSTPONED INDEFINITELY**

November 3-4, 2003. **Ontario Hospital Association Conference and Exhibition : Today's Choices, Tomorrow's Care.** (Toronto, Ontario, Canada.) http://www.oha.com/oha/ohaiwped.nsf/23945CE6EBA75C3985256 BAC0068A63A

November 6-7, 2003. **Nursing Informatics: The Key to the Future.** (Antigonish, Nova Scotia, Canada.) http://www.nsnig.ca/bulletinBoard.html

November 14, 2003. **Electronic Health Record - COACH Workshop.** (Halifax, Nova Scotia, Canada.) http://www.coachorg.com/downloads/ehr_-_november_14_registration_form.pdf

November 16-18, 2003. **Medical Image Computing and Computer Assisted Intervention (MICCAI) 2003 : The Sixth Annual International Conference.** (Montreal, Québec, Canada.) http://www.miccai2003.org/

November 19, 2003. **IT in Healthcare Seminar Series : "Health and the Internet".** (Ottawa, Ontario, Canada.) http://www.ocri.ca/events/IThealth.html

November 30 - December 2, 2003. **Thirteenth Annual Canadian Home Care Association Conference : From Policy to Practice ... The Home Care Challenge.** (Toronto, Ontario, Canada.) http://www.cdnhomecare.on.ca/docs/2003confprev.pdf

December 2003

December 1-2, 2003. **Health Privacy Compliance and Security of Health Information Insight Information Co.** (Vancouver, British Columbia, Canada.) http://www.insightinfo.com/conferences/brochures/brochure.cfm?product_code=HCC03494

December 3-4, 2003. **Teletriage and Call Centre Healthcare : A Quiet Revolution in Primary Healthcare Delivery.** (Toronto, Ontario, Canada.) http://www.insightinfo.com/conferences/brochures/brochure.cfm?product_code=HCC03497

December 4-5, 2003. **Canada's Second Annual Summit on Wireless Healthcare Technology.** (Toronto, Ontario, Canada.) http://www.strategyinstitute.com/wless.html

February 2004

February 11-12, 2004. **Security and Privacy : Friends, Foes or Partners.** (Victoria, British Columbia, Canada.) http://www.rebootnorthamerica.com/privacy2004/index.htm

Electronic Documents

New publications including government white papers and reports, industry publications, and periodical articles, which are available for free on the Internet, and which are published by authoritative sources. Access more than 2600 publications via the searchable eHealth Online Literature Catalogue.

Are VPNs Safe for the Wild Wild Web?
Gillespie, Greg. Health Data Management, September 2003.
The author discusses security issues related to Web-based virtual private networks (VPNs).
http://www.healthdatamanagement.com/html/current/PastIssueStory.cfm?
PostID=16007&PastMonth=September&PastYear=2003

Canada Health Infoway Begins a New Round of Funding
Zeidenberg, Jerry. Canadian Healthcare Technology, September 2003.
http://www.canhealth.com/sep03.html#anchor28885

Conducting Clinical Trials over the Internet : Feasibility Study
McAlindon, Tim et al. BMJ, v327 n7413, August 30, 2003, p484-487.
http://bmj.bmjjournals.com/cgi/content/full/327/7413/484

Electronic Decision Support for Australia's Health Sector
National Electronic Decision Support Taskforce. Australia : Commonwealth Department of Health and Ageing, 2003.
http://www.health.gov.au/healthonline/docs/nedsrept.pdf

EMR Confidentiality and Information Security
Kurtz, Gary. Journal of Healthcare Information Management, v17 n3, Summer 2003, p41-48.
http://www.himss.org/content/files/jhim/17-3/JHIMSummer03-kurtz.pdf

Framework for an Electronic Health Record for British Columbians
British Columbia. Ministry of Health Services and Health Chief Information Officer Council. Canada : British Columbia. Ministry of Health Services, 2003.
http://healthnet.hnet.bc.ca/pub_reports/ehr_framework.pdf

Herding Cats : The Challenges of EMR Vendor Selection
McDowell, Samuel W. et al. Journal of Healthcare Information Management, v17 n3, Summer 2003, p63-71.
http://www.himss.org/content/files/jhim/17-3/JHIMSummer03-
mcdowell-wahl-michelson.pdf

The Impact of Health Information on the Internet on Health Care and the Physician-Patient Relationship National U.S. Survey among 1,050 U.S. Physicians
Murray, Elizabeth et al. Journal of Medical Internet Research, v5 n3, September 2003, e17.
http://www.jmir.org/2003/3/e17/index.htm

The Informatics Nurse Specialist as Privacy Officer
Malloy, Nancy P. Journal of Healthcare Information Management, v17 n3, Summer 2003, p54-58.
http://www.himss.org/content/files/jhim/17-3/JHIMSummer03-malloy.pdf

Key Capabilities of an Electronic Health Record System
National Academy of Sciences. Institute of Medicine. Committee on Data Standards for Patient Safety. United States : The National Academies Press, 2003.
http://www.openminds.com/IndustryResources/ehrreport.pdf

Legal Protections Related to Security Concerns
McKenzie, Diana J.P. and Petersen, Milton L. Journal of Healthcare Information Management, v17 n3, Summer 2003, p19-21.
http://www.himss.org/content/files/jhim/17-3/JHIMSummer03-
mckenzie-peterson.pdf

Making Sense of Risk Information on the Web
Woloshin, Steven. BMJ, v327 n7417, September 27, 2003, p695-696.
http://bmj.bmjjournals.com/cgi/content/full/327/7417/695

Medical Imaging in Canada
Canadian Institute for Health Information (CIHI). Canada : Canadian Institute for Health Information (CIHI), 2003.
http://secure.cihi.ca/cihiweb/products/MIT2003_e.pdf

The Medical Office of the 21st Century (MOXXI) : Effectiveness of Computerized Decision-making Support in Reducing Inappropriate Prescribing in Primary Care
Tamblyn, Robyn. Canadian Medical Association Journal, v169 n6, September 16, 2003, p549-556.
http://www.cmaj.ca/cgi/content/full/169/6/549

The Mission of Health Level 7
Schulten, Catherine. Healthcare Informatics, September 21, 2003.
http://www.healthcare-informatics.com/issues/2003/09_03/shoptalk.htm

The Progress of Medical Informatics in the United Kingdom
Al-Ubaydli, Mohammad and Mann, Robin. BMJ, v327 n7415, September 13, 2003, ps81-s82.
http://bmj.bmjjournals.com/cgi/content/full/327/7415/s81-a

Provider-Patient E-mail : With Benefits Come Risks
Baker, Dixie B. Journal of AHIMA, v74 n8, September 2003, p22-29.
http://library.ahima.org/xpedio/groups/public/documents/
ahima/pub_bok1_020526.html

RIGIC Project Allows Quick Access to a Variety of Patient Information
Zeidenberg, Jerry. Canadian Healthcare Technology, September 2003.
http://www.canhealth.com/sep03.html#anchor29910

Rising to the Challenge : Strategies for the New Healthcare Enterprise
Arzt, Noam H. Journal of Healthcare Information Management, v17 n3, Summer 2003, p9-11.
This article discusses the tradeoffs forced by information security requirements.
http://www.himss.org/content/files/jhim/17-3/JHIMSummer03-arzt.pdf

Sharing Patient Information Electronically throughout the NHS
Booth, Nick. BMJ, v327 n7407, July 19, 2003, p114-115.
http://bmj.bmjjournals.com/cgi/content/full/327/7407/114

Some Peripherals Move into Spotlight
Briggs, Bill. Health Data Management, September 2003.
Some health care facilities are investing in new computer peripheral devices (keyboards, monitors, printers, scanners and external disk drives), citing falling prices, space savings, and streamlining of processes among the justifications.
http://www.healthdatamanagement.com/html/current/PastIssueStory.cfm?
PostID=16006&PastMonth=September&PastYear=2003

The Story on Security : Stay Tuned for Details
Bauer, Jeffrey C. Journal of Healthcare Information Management, v17 n3, Summer 2003, p12-13.
http://www.himss.org/content/files/jhim/17-3/JHIMSummer03-bauer.pdf

Ultrasound Machines Ever-smaller, Offering Higher Resolution and More Features
Shaw, Andy. Canadian Healthcare Technology, September 2003.
http://www.canhealth.com/sep03.html#anchor32123

Using Information Technology To Improve the Health Care of Older Adults
Weiner, Michael. Annals of Internal Medicine, v139 n5 (part 2), September 2, 2003, p430-436.
http://www.annals.org/cgi/content/full/139/5_Part_2/430

A Vision of the e-HIM Future
AHIMA e-HIM Task Force. United States : American Health Information Management Association, 2003.
This report documents the work of an AHIMA appointed task force, which focused on electronic health information management (e-HIM) and includes the task force meeting, discussion summaries and recommendations presented.
http://library.ahima.org/xpedio/groups/public/documents/
ahima/bok1_020477.pdf

Funding Opportunities

Current funding opportunities for health research on the use of information and communications technologies in health, which are open to Canadian researchers. Access all of the Funding Opportunities listed on our site.

Canadian Health Services Research Foundation
Special Program Initiative
http://www.chsrf.ca/about/scope_e.shtml
Saskatchewan Health Research Foundation
Research Group Facilitation Grants
http://www.shrf.ca/funding_funding-programs_RGFC.html

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Initiatives

Selected initiatives that profile Canadian telehealth, electronic health record, education, privacy and health information infrastructure projects and programs. Access the full descriptions of more than 250 initiatives via the Canadian eHealth Initiatives Database.

This month we've selected Telehealth initiatives involving the clinical discipline Cardiology. This search is very simple to do in the database. Just type "cardiology" in the "Clinical Discipline" search box, and then select "Telehealth" from the "Limit Search by Category" drop down box.

A search guide for the database is also available at http://www.hc-sc.gc.ca/ohih-bsi/res/init_guide_e.pdf

If you have a search that you'd like us to feature or that you think would be useful for others, please send it in to us at ohih-bsi@hc-sc.gc.ca

Telehealth initiatives involving the clinical discipline Cardiology

Alberta Wellnet - Telehealth. Lead Organization : Alberta Wellnet
http://www.albertawellnet.org/telehealth/index.html

Atlantic Health Sciences Corporation (AHSC) : Telehealth Initiatives. Lead Organization : Atlantic Health Sciences Corporation (AHSC)
http://www.ahsc.health.nb.ca/telehealth.shtml

Cardiac Home Ambulatory Monitoring Project. Lead Organization : The Scarborough Hospital (TSH)
http://www2.itssti.hc-sc.gc.ca/B_Pcb/HTF/Projectc.nsf/53faa86fba 78dad985256be2005c9e51/3a8c1677c092f79c852567df00639831? OpenDocument

Children's TeleHealth Network (CTN). Lead Organization : Izaak Walton Killam Health Centre
http://www.iwk.nshealth.ca/

CLSC of the Future : Telehealth and Tele-home Care Project. Lead Organization : Régie Regionale de la santé et services sociaux de Québec
http://www.cefrio.qc.ca/english/projets/proj_33.cfm

Eastern Ontario Telehealth Network. Lead Organization : Pembroke General Hospital (Ontario)
http://www.eotn.ca/

Healthcare and Education Access for Remote Residents by Telecommunications (HEARRT).
Lead Organization : University of Ottawa Heart Institute
http://www.ottawaheart.ca/researchteleintro.htm

Hospital for Sick Children's Tele-Homecare Project. Lead Organization : The Hospital for Sick
Children
http://www.sickkids.on.ca/telehomecare/default.asp

Integrated Call Centre for Improved Teletriage and Home Monitoring. Lead Organization :
University of Ottawa Heart Institute
http://www.ivey.org/pages/grants_tihc_2000.html#Anchoruohi

National First Nations Telehealth Research Project. Lead Organization : Canada. Health Canada.
First Nations and Inuit Health Branch
http://www2.itssti.hc-sc.gc.ca/B_Pcb/HTF/Projectc.nsf/53faa86fba
78dad985256be2005c9e51/24d2d3db7597fe06852565da00653
ec4?OpenDocument

NORTH Network. Lead Organization : Sunnybrook and Women's College Health Sciences Centre
http://www.northnetwork.com/webportal/NorthNetworkPortal

Virtual Interactive Telehealth Assistance Links (VITAL). Lead Organization : Atlantic Health
Sciences Corporation (AHSC)
http://www.ahsc.health.nb.ca/telehealth.shtml

Periodicals

The latest issues of electronic journals which are available for free on the Internet, and which are
published by authoritative sources. Access the full list of Electronic Periodicals.

Advance for Imaging and Oncology Administrators Online. Latest Issue : v3 n19, 2003.
http://www.advanceforioa.com/Main.aspx

ATSP Online. Latest Issue : October 7, 2003.
http://www.atsp.org/

BMJ. Latest Issue : v327 n7419, October 11, 2003.
http://bmj.bmjjournals.com/content/vol327/issue7419/?etoc

BMJ Medical Informatics : Information in Practice. Latest Issue : October 4, 2003.
http://bmj.com/cgi/collection/information_in_practice

BMJ Medical Informatics : World Wide Web. Latest Issue : October 11, 2003.
http://bmj.com/cgi/collection/WWW

Canadian Healthcare Technology. Latest Issue : October 2003.
http://www.canhealth.com/current%20issue.html

Canadian Medical Association Journal (eCMAJ). Latest Issue : v169 n8, October 14, 2003.
http://www.cmaj.ca/content/vol169/issue8/index.shtml

COR e-Health Trend Watch. Latest Issue : October 8, 2003.
http://www.corhealth.com/TrendWatch.asp

Federal Telemedicine Update. Latest Issue : October 13, 2003.
http://www.federaltelemedicine.com/n101303.htm

Health Data Management. Latest Issue : October 2003.
http://www.healthdatamanagement.com/html/current/index.cfm

Health Informatics Europe. Latest Issue : September 29, 2003.
http://www.hi-europe.info/new.htm

Health Informatics Zone. Latest Issue : October 9, 2003.
http://www.nhsia.nhs.uk/def/home_info.asp

Health Management Technology. Latest Issue : October 2003.
http://www.healthmgttech.com/

Healthcare Informatics Online. Latest Issue : October 2003.
http://www.healthcare-informatics.com/issues/2003/10_03/oct.htm

HL7 Canada Bulletin. Latest Issue : n35, September 2003.
http://secure.cihi.ca/cihiweb/dispPage.jsp?cw_page=news_hl7_current_e

i-Health Media Watch. Latest Issue : September 24, 2003.
http://www.hinz.org.nz/ihealth/Media-Watch.htm

The Informatics Review. Latest Issue : v6 n19, October 1, 2003.
http://www.informatics-review.com/

JAMA. Latest Issue : v290 n14, October 8, 2003.
http://jama.ama-assn.org/current.dtl

Journal of AHIMA Public Article Archive. Latest Issue : October 2, 2003.
http://library.ahima.org/xpedio/groups/public/documents/web_assets/
bok1_016845.hcst

Telemedicine Information Exchange News. Latest Issue : October 2, 2003.
http://tie.telemed.org/news/

Virtual Medical Worlds Monthly. Latest Issue : n10, October 2003.
http://www.hoise.com/vmw/03/articles/contentsvmw200310.html

Success Stories

X-Ray Vision: Tele-imaging network improves diagnostics in Central British Columbia and Yukon (BC)

The little boy from Williams Lake, B.C. was in pain and unable to move his arm, but the local doctor couldn't see a fracture. With the press of a button, a digital X-ray image of the arm was flashed to Kamloops, where specialists were able to spot a hairline fracture that put a bone out of alignment.

"The child came down here that afternoon and the orthopedist operated on him right away to correct the displacement," recalls Dr. Jim Bilbey, the chief radiologist at the Royal Inland Hospital in Kamloops. Without the computerized image and long-distance consultation, the five-year-old would have been sent home while his condition worsened.

"We saved him at least two or three extra days of pain," Bilbey says, "and he had a much better outcome."

The case underscores the value of a leading-edge distance imaging system that now spans a dozen sites in Central British Columbia and Whitehorse. Known as the Central BC-Yukon Telemedicine Initiative, it is supported with $2.5 million in Canada Health Infostructure Partnerships Program funding.

The system allows for the collection, in digital format, of a range of image types, including X-rays, and ultrasound, CT and MRI scans. These pictures become part of the patient's electronic health record, accessible to doctors with a mere mouse click.

The scans can also be instantly transmitted over a secure network, which links sites as small as Lytton (population 345) to a referral hospital in Kamloops. There, doctors can call the images up, share them simultaneously with physicians in other locales, or store them in computerized archives.

Project manager Roy Southby notes that the technology saves on the cost of X-ray films and developing chemicals - a boon for the environment as well. It also comes with useful add-ons, such as the ability to measure and magnify an ailing part, or render a three-dimensional image.

"Röntgen invented the X-ray in 1895, and nothing changed in the field until just the last few years. Now we're finally moving into the digital age," he says.

For Bilbey, the system spells improved patient care. Even in remote areas, patients are able to get speedy specialist attention - without the need to leave their communities. Moreover, he says, the superior image quality and handy enhancement functions improve the accuracy of diagnoses.

Digital imaging is a perk for doctors as well. "It makes radiology very interesting," Bilbey says. "Radiologists tend to like that high-tech stuff, like cross-sectional imaging. We see it as a major advance on the technological side."

Expansion plans for the network are already underway. General practitioners, like their hospital-based counterparts, will be given access to the images. The network will also grow to include other health regions in the interior of British Columbia, as well as other diagnostic procedures such as mammography.

Read more eHealth Success Stories from across Canada.

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About

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URL of publication: http://www.hc-sc.gc.ca/ohih-bsi/pubs/bulletin/infosource_e.html

All of the resources described in this publication were accessible on October 21, 2003.

Please send any comments to us via e-mail at ohih-bsi@hc-sc.gc.ca

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Past issues are available at: http://www.hc-sc.gc.ca/ohih-bsi/about_apropos/hcpubssc_e.html#info

"OHIH's mandate is to serve as Health Canada's focal point for ehealth, multi-channel government service delivery, and privacy."

Access all of the eHealth resources our Web site at http://www.hc-sc.gc.ca/ohih-bsi/res/index_e.html

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