



HEALTH TELEMATICS UNIT

TELEHEALTH PROGRAM

ANNUAL REPORT 2001

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MESSAGE FROM THE HEAD

This was a year of tremendous growth for the Health Telematics Unit (HTU) and Telehealth Program.



The HTU consists of one full-time researcher (Head of the Telehealth Program), two 75% protected time researchers (one as of July 1), a Telehealth Program Coordinator, two support staff, 20 other researchers, Adjunct Professors and affiliates, two graduate students, a post-doctoral, sabbatical fellow, Research Associate, research exchange, and two to four part-time Research Assistants. This team conducts local, provincial/territorial, national and international collaborative research, provides training, and liaises with international organizations, researchers and telehealth projects and programs. Members of the team are recognized as leaders in their respective fields of telehealth research.

In addition to team building and expansion of research and training activity, the HTU has successfully competed for research funding. The significant milestone for the Health Telematics Unit and the Telehealth Program was seeing the state-of-the art equipment become operational in July of 2001. The impact of this implementation phase has been evidenced by the numerous partnerships/collaborations that have developed in 2001.



<i>Full Time Faculty</i>	<i>3</i>
<i>Research Associate</i>	<i>1</i>
<i>Research Assistants</i>	<i>2 to 4</i>
<i>Support Staff</i>	<i>3</i>
<i>Research Funding (actually received, not all that was awarded – U of C yr end)</i>	<i>720,737</i>
<i>Publications/Presentations</i>	<i>55</i>
<i>PhD Students</i>	<i>2</i>
<i>Summer Student</i>	<i>1</i>
<i>Post Doc Fellow</i>	<i>1</i>
<i>Exchange Student</i>	<i>1</i>

RESEARCH INNOVATION

Mandate

- To provide sound evidence, through high quality research, about the utility, effectiveness, and sustainability of telehealth applications in improving health, health care, and health systems.
- To create and train a critical mass of world-class investigators to conduct applied, partnered telehealth studies.
- To disseminate related knowledge and foster telehealth research in provincial, national and international jurisdictions, through leadership, partnership and consultation.
- To provide a state-of-the art collaboratory for the use of other researchers and groups.

Research Categories

- Policy and Social Benefits
- Outcomes or Impact Studies
- Technology Research
- Test-bed Research

Research Projects Initiated* and Funded in 2001

**Note that included here are only projects initiated and funded in 2001, not those continuing from the previous year.*

Clinical

- Policy and Peer Permission System (Rights Market)
- Canadian Consensus Approach to Identification and Definition of Outcome Indicators (Richard Ivey Accreditation; Health Canada - OHIH)
- Environmental Scan in support of an accreditation program in telehealth (Richard Ivey Foundation)
- Screen for Limbs, I-site, Cardiovascular and Kidney Complications – Diabetes (Health Canada –CHIPP)
- The Alliance for Building Capacity for Remote Rural Readiness (CANARIE, Health Canada – OHIH)
- Stakeholder Readiness for Telehomecare Support (Calgary Regional Health Authority Strategic Research and Development Grant)

E-Learning

- Research and Learning Technologies (Royal College; Office of Learning Technologies)
- Telehealth Research Summer Institute (CANARIE)
- Health Education Cluster Phase II (University of Calgary Cluster Fund)
- LOI – Canadian School of Information (Canadian Institutes of Health)
- Broadband Enabled Lifelong Learning Environment – Ca*Net3 (CANARIE)

Global

- EU-Canada Health Telematics Initiative (Health Canada, Industry Canada, EU Commission, CANARIE)
- Fulbright New Century Scholar Network
- Sapporo University e-Research Seminar Exchange
- International Visitors
- Ongoing Health Telematics Unit Seminars – approximately 12

Training

- Second PhD Graduate Student in Telehealth
- Dr. Richard Wootton, Visiting Lecturer (AHFMR)
- Second Annual National Telehealth Research Summer Institute
- First Telehealth On-line Course
- Sabbatical from University of British Columbia
- Post-Doc Fellow
- Undergraduate Research Elective
- Research Exchanges – Australia; Guatemala

Infrastructure

- Shaw Communications Inc.

Research Innovation Milestones:

- ✦ Recruitment of the Second 75% protected time researcher
- ✦ Fulbright New Century Scholar Award – Dr. Richard Scott
- ✦ Second PhD Graduate Student
- ✦ Operationalizing state-of-the-art infrastructure
- ✦ Adjunct appointments to strengthen critical mass

Publications

Peer-reviewed Journals: 10

Conference Presentations: 45

TOTAL: 55

Other publications: 7 abstracts; 8 Reports; 2 abstracts in press.

PEOPLE

Detailed Description of FTEs for each position:		
RESOURCE	2000	2001
Head	1	1
Researchers (75% protected)	1	2
Telehealth Program Coordinator		1
Secretary for Researchers/Receptionist	1	1
Program Secretary		1
Sabbatical Fellows / Apprenticeships	1	
Post-doctoral Fellows		1
Research Associates		1
Graduate Students		2
Research Assistants (Part-time)		2 to 4
Summer Research Students	1	1
Exchange Student		1

Current Members of the Telehealth Program

Head

Penny Jennett

Health Researcher, Educator

Researchers: 75% protected time

Marilynne Hebert

Evaluation, e-Learning

Richard Scott

Policy, Evaluation, Outcome Measures,
Globalisation

Other Researchers

Jeff Caird

Psychology; Human Interfaces

Ann Casebeer

Health Policy

Trevor Craddock

Alberta Research Council

Paul Dick

Policy and Social Benefits; Outcomes

Steven Edworthy

Chronic Diseases

Rod Elford

Family Physician

Roger Girard

Information Communications Technology

David Hailey

Health Economics

Francis Lau

Technology; Social Benefits

Cheri Nijssen-Jordan

Pediatric Emergency Medicine

Tom Noseworthy

Policy and Social Benefits

Tom Rosenal

Critical Care; Informatics

Peter Sargious

Internist

David Strong

Aboriginal Telehealth

John Toews

Continuing Learning

Doug Urness

Telepsychiatry

Mo Watanabe

Professor Emeritus

Janet Wayne

Nursing

Barry Wiggs

Information Communication Technology

Affiliates

Mike Chiasson

Information Systems

Robert Johnston

Emergency Physician and Telehealth Program
Lead, Calgary Health Region (CHR)

Ming Gao

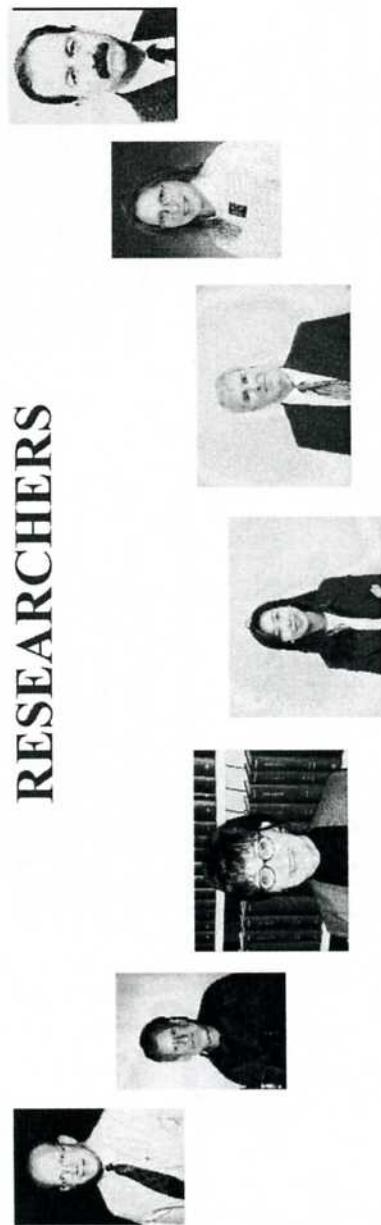
Telehealth Coordinator, Calgary Health Region

TELEHEALTH/TELELEARNING SCHOLARLY RESEARCH PROGRAM

TEAM MEMBERS



RESEARCHERS



GRADUATE STUDENTS, POST DOCS, RESEARCH ASSISTANTS/ASSOCIATES, SABBATICAL LEAVES



STAFF

Missing: Jeff Caird, Bill Hall, Ferdinand Legaspi, Peter Sargious, David Strong, John Toews, Janet Wayne, Barry Wiggs, Mike Chiasson, Cameron Donaldson, Ken Fryatt, Tom Seto, Kay Hunter, Gary Mok



PARTNERS & COLLABORATORS

ACADEMIC

BCIT	University of Alberta	University of Queensland, Australia
Dalhousie University	University of British Columbia	University of Sherbrooke
Laurentian University	University of Calgary	University of Toronto
McGill University	University of Missouri, USA	University of Victoria
NETERA	University of Northern B.C.	University of Waterloo
Sapporo Medical University, Japan	University of Ottawa Heart Institute	

PRIVATE

Alberta Research Council
ALLECTRA
CAREO
Empirica GmbH
March Networks
Rights Market Inc.
Shirwin Systems
Systems Farm
We Care Home Health Services

PROFESSIONAL

Canadian Society of Telehealth
COACH
Royal College of Physicians & Surgeons
Nurses Association of Quebec

PUBLIC

Advisory Council on Rural Health
Atlantic Health Sciences Corp..
Calgary Health Region
CANARIE Inc.
EU-Commission
First Nations & Inuit Health Branch
German Government
Health Canada
Industry Canada

FINANCIALS*

*Based on University Year End (April 2001 to March 31, 2002)

<u>Costs</u>	<u>2000</u>	<u>2001</u>
Human Resources*	298508	460,946
Supplies	23353	13,824
Maintenance/Service contracts	608	2,480
Renovations	637227	54,044
Travel	22300	47,713
Telecommunications	13155	3,845
Other/Equipment	360444	20,435
TOTAL	1,355,595	603,287

*Not included here is support from U of C for: 1/3 of Program Coordinator salary; and the Program Head salary.

<u>Funding Sources*</u>	<u>2000</u>	<u>2001</u>
*Only monies received this year. Does not include monies brought forward from the previous year.		
Canadian Society of Telehealth	15,000	37,032
Partners in Health/HTU Operating (including Shaw)	1,011,806	153,721
BCT Telus – TRSI	21,100	
Provincial Telehealth Evaluation	30,014	
SSHRC – LOI Rural Remote	5,000	
Fulbright	31,466	
Travel Grant – MH	1,320	
URGC Grants – MH	6,000	
OLT/Multiple Funders	15,020	

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EU Canada		122,707
Miscellaneous Grants/Contracts		73,807
AHIRN		20,000
ABC CANARIE		48,079
RCPS		6,000
Richard Ivey Accreditation		111,500
CaNet3 Faculty of Med Endowment		15,000
Office of Rural Health		9,999
CHR Telehealth Readiness		17,892
ELP – AHFMR		16,000
OLT Multiple Funders		19,000
Richard Ivey Outcomes		70,000
TOTAL	1,135,726	720,737