

2009 Annual Report

May 8, 2010

The Public Health Research, Education and Development Program of
Kingston, Frontenac and Lennox & Addington Public Health



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An accredited local public health agency affiliated with Queen's University

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Director's Report

It remains an exciting time for Public Health in Ontario, as recommendations from Operation Health Protection¹ continue to roll out. In January of 2008, the Ontario Agency for Health Protection and Promotion was created, and Dr. Vivek Goel became its first president and CEO.

PHRED partners followed the creation of the Ontario Agency for Health Protection and Promotion with great interest. Among the recommendations of the Capacity Review Committee was the “Development of a province-wide research and knowledge exchange agenda for Ontario; 100 percent funding for the *Public Health Research, Education and Development* program and its alignment with the Ontario Agency for Health Protection and Promotion”.¹ The Capacity Review Committee had pointed out that some goals of the Ontario Agency for Health Protection and Promotion overlapped with the goals of the provincial PHRED program. The overlapping goals, as expressed in the Strategic Plan of the Ontario Agency for Health Protection and Promotion, include:

- To develop, disseminate and advance public health knowledge, best practices, and research in the areas of population health assessment, infectious diseases, health promotion, chronic diseases, injury prevention and environmental health,
- To undertake, promote and co-ordinate public health research in co-operation with academic and research experts as well as the community, and
- To provide education and professional development for public health professionals ... and policymakers across sectors.²

Although it was generally understood that PHRED functions would migrate from the Ministry of Health and Long Term Care to the Ontario Agency for Health Protection and Promotion, the mechanisms by which this was to happen were not articulated. For this reason, a tri-partite committee was struck, consisting of representatives of PHRED, the Ontario Agency of Health Protection and Promotion and the Ministry of Health and Long-Term Care, to discuss potential models. The work of this committee has continued into 2009, and a final report with recommendations is expected shortly. For this reason the ongoing period of uncertainty about the future of the PHRED program is expected to end soon.

Over the past four years, the proportion of the research, evaluation and education budget at KFL&A Public Health which has come from the Ministry of Health and Long-Term Care through PHRED funding has steadily decreased. In 2008 the name of the program was changed to Research and Education to more accurately reflect both its scope of work and source of funding. The PHRED program continues within Research and Education. Provincial work also continues, but the staff complement devoted to local activities has increased in proportion to the change in funding.

As we drew towards the end of 2008, the new and much anticipated Ontario Public Health Standards were released. For the first time, the importance of public health assessment, surveillance, research and knowledge exchange, and program evaluation was clearly articulated in a Foundational Standard which cuts across all other standards. These are core functions of the Research and Education Program at KFL&A Public Health, and it is clear that we will serve an expanding role in supporting other programs in these areas.

Many faces in the Research and Education Program changed in 2008. Although Susan Stewart officially left our program, she remains in KFL&A Public Health as a Manager of the Dental, Infant Hearing, and Blind-Low Vision Programs in Family Health. Susan has continued to work with us on the Infant Feeding Survey. We welcomed Daphne Mayer as Research Officer, Paul Masotti and Stephen Matemba as Research Associates, and Matthew Hodgetts as Research Assistant. We were ably assisted on the Infant Feeding Survey by Tara Dawe, Jen Harrington, Julia McBride, Mary Peterson and Kathleen Surgue, and Hilary Thurston helped us for the summer in the library. Also in 2008, the Library moved from Research and Education to CQI and Central Resources. The affection and respect which Research and Education holds for our Library Services remains steadfast, even with this change!

Respectfully submitted,

Kate O'Connor,

Director of the Research and Education Program,
KFL&A Public Health.

¹The Capacity Review Committee. Revitalizing Ontario's public health capacity: the final report of the Capacity Review Committee. Queen's Printer for Ontario, 2006.

²Ontario Agency for Health Protection and Promotion. Strategic planning framework and start up operation plan. <http://www.oahpp.ca>. Accessed 1 May, 2009.

Public Health Research

Research Projects Completed in 2008

Provincial (Collaborative) PHRED Projects

Evaluation and Enhancement of the Rapid Risk Factor Surveillance System (RRFSS) Website

Description: This evaluation was designed to determine how the RRFSS website can be enhanced to meet the needs of public health, to develop and test enhancements to the website, to determine what resources, financial and personnel, are required to maintain the enhanced website and to suggest further, long-term improvements.

Investigators: Amira Ali, John Barbaro, Nancy Churchman, Alanna Leffley, Karen Moynagh, Kathleen O'Connor, Lynn Russell

Local Research and Education Staff: Kathleen O'Connor

Funding: Public Health Agency of Canada (\$115,974)

Completed: March, 2008.

Process Evaluation of Ontario's Action Plan for Healthy Eating and Active Living

Description: The Process Evaluation for the implementation of Ontario's *Action Plan* aims to identify factors that are facilitators or barriers (challenges). The Process Evaluation included interviews with key informants.

Investigators: Danielle Battram, Charlene Beynon, Meizi He, Elaine Murkin, Michelle Sangster-Bouck, Renée St. Onge, Susan Stewart

Local Research and Education Staff: Susan Stewart

Funding: Ministry of Health Promotion (\$348,931)

Completed: March, 2008 (Phase I).

Validity and Reliability of Self-Reported or Self-Measured Waistline Among Adult Ontarians

This study used a cross-sectional sample of adult Ontarians to test the validity and reliability of self-reported, self-measured waistline, along with self-reported clothing size, as compared to professionally measured waistline. A telephone survey module consisting of questions about self-reported waistline and pant size was tested for validity and reliability against professionally measured waistline.

Investigators: Danielle Battram, Charlene Beynon, Meizi He, Emily Hill, Elaine Murkin, Michelle Sangster-Bouck, Renée St. Onge, Susan Stewart

Local Research and Education Staff: Susan Stewart

Funding: Ministry of Health Promotion (\$50,675)

Completed: May, 2008.

Development of RRFSS Modules for Use in the Evaluation of Ontario's Action Plan for Healthy Eating and Active Living

Two RRFSS modules were developed for use in the evaluation of Ontario's Action Plan. One was a module to assess community awareness of the Action Plan and the other was a module to collect self-reported waistline measurement.

Investigators: Danielle Battram, Charlene Beynon, Evelyn Cross, Melanie Garbarz, Meizi He, Bridget King, Elaine Murkin, Michelle Sangster-Bouck, Renée St. Onge, Susan Stewart, Heather Thomas

Local Research and Education Staff: Susan Stewart

Funding: Ministry of Health Promotion (\$89,030)

Start and Anticipated Completion Dates: May, 2007 – December, 2008.

Local Research and Education Projects

Computerized Digital Photoscreening for Amblyopiogenic Factors

Description: This study determined the feasibility of using a school-based program to screen for amblyopiogenic factors in four-year old children.

Principal Investigator: Dr. Brian Arthur

Partner: Limestone District School Board

KFL&A Public Health Collaborators: Kathy MacRae, Kathleen O'Connor

Research and Education Staff: Kathleen O'Connor

Funding Agency (Amount): Queen's University (\$30,000)

Completed: March, 2008.

KFL&A Public Health Staff Survey

Description: A survey of staff of KFL&A Public Health was conducted for purposes of continuing quality improvement. Aims of the survey were to assess staff satisfaction and suggestions for improvement in the following areas: client service, communication, productivity, manuals, the strategic plan and workplace wellness.

Investigators: Kris Millan, Kathleen O'Connor, Jennifer Robertson

PHRED Staff: Kathleen O'Connor, Jennifer Robertson

Funding: Internal

Completed: May, 2008.

"Every Drink is a Choice" Campaign: A Process Evaluation

Description: This project consisted of an evaluation of a poster campaign targeting local post-secondary students and evaluation of the everydrinkisachoice.com website.

Investigators: Susan Stewart, Cathy Edwards

Research and Education Staff: Susan Stewart

Funding: Internal

Completed: August, 2008

Follow-up Study of Mothers' Knowledge, Attitudes and Behaviours on Parent Education, Family Violence and Childhood Injury Issues

Description: This survey determined changes in knowledge, attitudes and behaviours of mothers over a three year period. A previous baseline study was conducted in 2002.

Investigators: Pam Carr, Susan Stewart

Research and Education Staff: Susan Stewart

Funding: Internal

Completed: December, 2008.

Evaluation of KGH/KFL&A Public Health Breastfeeding Pilot Project

Description: This pilot project introduced the services of a Public Health Nurse trained as a Lactation Consultant into the hospital setting. The study was designed to determine whether access to a Lactation Consultant in the hospital setting immediately after birth affects breastfeeding initiation and duration rates. This study was to take place as a component of the *Infant Feeding Survey*.

Investigators: Connie Wowk, Susan Stewart, Kathleen O'Connor

Research and Education Staff: Susan Stewart, Kathleen O'Connor

Funding: Internal

This project was discontinued because few women made use of the service.

Health Status Reports

Urban and Rural Health Status in KFL&A

Description: A summary of socio-demographic characteristics, health behaviours, overall indicators of health and chronic conditions of residents in KFL&A, by urban and rural residence.

Author: Suzanne Sinclair

Funding: Internal

Completed: July, 2008

RRFSS in KFL&A: 2002 - 2007

Description: A trend analysis of health indicators in KFL&A collected through the Rapid Risk Factor Surveillance System (RRFSS) over the period 2002 to 2007.

Author: Suzanne Sinclair

Funding: Internal

Replaced by Fact & Figures, a new format for Health Status Reports.

Ongoing Research

Provincial (Collaborative) PHRED Projects

Enhancing Your Preceptor Practice: Workshop Reach and Teach Kits.

Description: This project is developing four workshop modules to be used for preceptor education: Critical Thinking, Conflict, Constructive Feedback and Culture and Diversity.

Investigators: London PHRED and PHRED Connection

Local KFL&A Public Health Staff: Cheri O’Dette; reviewed by Kathleen O’Connor

Funding: Internal

Anticipated Completion Date: March, 2009.

Public Health Nutrition Practice Enhancement

Description: The Pan Canadian Task Force on Public Health Nutrition Practice has set out to define public health nutrition practice in Canada, investigate the need for discipline specific public health nutrition competency sets and explore an organizational structure that can provide leadership for public health nutrition practice issues in Canada. Methods include a situational assessment, opinion poll, discussion groups and written submissions from public health nutrition professionals, employers and educators.

Investigators: The Pan-Canadian Task Force on Public Health Nutrition Practice

Local Research and Education Staff: Marie Traynor

Funding: Public Health Agency of Canada

Start and Anticipated Completion Dates: 2007-2010.

Local Projects

Evaluation of Breastfeeding Classes Conducted by KFL&A Public Health

Description: An evaluation of parental satisfaction, knowledge retention and breastfeeding behaviour resulting from a prenatal Breastfeeding Class.

Investigators: Pam Carr, Kathleen O’Connor, Michael Schmidt, Susan Stewart

Research and Education Staff: Kathleen O’Connor, Susan Stewart

Funding: Internal

Start and Anticipated Completion Dates: May, 2005 – June, 2009.

Evaluation of “Step into Fitness”

Description: Outcome evaluation of a pedometer-based walking and nutrition program.

Investigators: Jane Bird, Anne MacPhail, Susan Stewart, Karen Thorpe, Karen Scott

Research and Education Staff: Susan Stewart, Karen Scott

Funding: Internal

Start and Anticipated Completion Dates: April, 2006 – June, 2009.

Evaluation of the Alcohol, Smoking and Abuse Screening Tool for Women

Description: An evaluation of health care providers' reaction to and use of a new and comprehensive screening tool for women.

Investigators: Pam Carr, Mary Jane Gordon, Donna Clarke-McMullen, Tyler Moon, Susan Stewart

Research and Education Staff: Susan Stewart, Stephen Matemba

Funding: Internal

Start and Anticipated Completion Dates: January, 2006 – June, 2009.

Evaluation of Motiv8, a Multi-pronged Initiative to Achieve Healthy Weights in the Population of KFL&A

Description: *Motiv8* is an initiative of KFL&A Public Health targeting KFL&A adults in their homes, schools, daycare centres and in the community. *Motiv8* encourages them to eat well, get fit and live life through the promotion of eight healthy behaviours. This comprehensive evaluation will address both long-term and short-term objectives over a five year period.

Investigators: Suzette Taggart, Kathleen O'Connor, Marie Traynor, Karen Scott

Research and Education Staff: Kathleen O'Connor, Marie Traynor, Karen Scott

Funding: Internal

Start and Anticipated Completion Dates: June, 2007 – December, 2012

An Infant Feeding Survey in KFL&A

Description: This study will follow mothers of infants from birth to twelve months to determine local feeding practices. The study is designed to determine breastfeeding initiation rates, the extent and duration of breastfeeding, and practices related to the introduction of solid foods.

Investigators: Connie Wowk, Susan Stewart, Kathleen O'Connor

Research and Education Staff: Susan Stewart, Kathleen O'Connor

Funding: Internal

Start and Anticipated Completion Dates: October, 2007 – December, 2009

Early Expressions Parent and Provider Satisfaction Survey

Description: As a result of provider dissatisfaction, Early Expressions Speech and Language Preschool Services recently implemented a change to the program's service delivery model. This study will evaluate levels of continuity of care satisfaction before and after the change in service delivery from the perspective of both Early Expressions providers and parents of children referred to the service.

Investigators: Sonya Bianchet, Kris Millan, Daphne Mayer, Kathleen O'Connor

Research and Education Staff: Daphne Mayer, Kathleen O'Connor

Funding: Internal

Start and Anticipated Completion Dates: October, 2008 – December, 2011.

Active Transportation Survey

Description: The purpose of this project is to survey current active transportation use patterns of city of Kingston residents and to identify active transportation barriers and facilitators.

Investigators: Kingston Coalition for Active Transportation, Anne MacPhail

Research and Education Staff: Daphne Mayer, Kate O'Connor

Funding: Kingston Coalition for Active Transportation, \$10,000

Start and Anticipated Completion Dates: November, 2008 – December, 2009

Evaluation of the BabyTalk Telephone Line: Preparation of a Logic Model and an Evaluation Plan

Description: The purpose of this project is to develop a logic model, and to use this to design and carry out an evaluation of the BabyTalk telephone line.

Investigators: Heather Dickson, Stephen Matemba

Research and Education Staff: Stephen Matemba

Funding: Internal

Start and Anticipated Completion Dates: November, 2008 – December, 2009

Epidemiological Analysis of Data from the Kingston Regional Injury Surveillance Program (K.R.I.S.P.) to Identify Patterns of Childhood Injury in the KFL&A Area

Description: This project will use surveillance data collected through the Kingston Regional Injury Surveillance Program (K.R.I.S.P.) to identify common patterns of injury in children of the Kingston, Frontenac and Lennox & Addington area. The results of these analyses are to be used for such purposes as educational presentations to parents and caregivers.

Investigators: Casey Walters Gray, Stephen Matemba

Research and Education Staff: Stephen Matemba

Funding: Internal

Start and Anticipated Completion Dates: November, 2008 – December, 2009

Epidemiological Analysis of K.R.I.S.P. Data for Injury and Substance Misuse Prevention Programs at Kingston, Frontenac and Lennox & Addington Public Health

Description: This project will use surveillance data collected through the Kingston Regional Injury Surveillance Program (K.R.I.S.P.) in the implementation of injury prevention programs for KFL&A residents, including adults, youth and school-aged children. Data analysis will aim to identify common patterns of injury in the KFL&A area and to provide statistics to be used in the planning and implementation of public health injury prevention programs.

Investigators: Kim Shaw, Janine Monahan, Stephen Matemba

Research and Education Staff: Stephen Matemba

Funding: Internal

Start and Anticipated Completion Dates: November, 2008 – December, 2009

Health Status Reports

In January, 2009, a decision was made to produce Health Status Reports in a new format, as presentations of individual health status and health behaviour indicators, organized into chapters. These are now known as *Facts & Figures*, and will be posted on the KFL&A Public Health website.

Facts and Figures will be organized into chapters, as listed below. Prior to this format, each would have been a separate report. The new format allows indicators to be updated more easily, as new information is received, without creating a new report. The latest information will be easily available to staff and other partners.

1. Demographics
2. Mortality
3. Reproductive Health
4. Infant, Child and Youth Health
5. Chronic Diseases and Injury
6. Health Behaviours
7. Health Beliefs, Attitudes and Well-being
8. State of the Environment

Research Grants Received in 2007/08: Kathleen O'Connor

Title: “*Evaluation and Enhancement of the Rapid Risk Factor Surveillance System (RRFSS) Website*”
Agency: Public Health Agency of Canada
Competition: Chronic Disease Grant and Contribution Program
Role: Principal Investigator
Amount: \$115,974 (April, 2007 – March, 2008)

Research Grants Received in 2008/09: Kathleen O'Connor and Ian Gemmill

Title: “*Postmarketing Surveillance of Annual Influenza Vaccines: Extended Vaccine Safety*”
Agency: Public Health Agency of Canada
Role: Co-Investigators
Amount: \$56,718 (September, 2008 – January, 2009)

PHRED Research Scientist

Dr. Linda Lévesque is a PHRED Research Scientist at KFL&A Public Health, Assistant Professor in the Department of Community Health and Epidemiology at Queen's University and Adjunct Scientist at the Institute for Clinical Evaluative Sciences (ICES) in Toronto. Her research interests are based in experience as a practicing pharmacist, and focus on the safe and effective use of medications within a population and public health context, including post-marketing drug safety evaluations. She is also interested in the impact of research methodology on the validity of study results and has carried out a number of projects in this area.

In 2008 Dr. Lévesque was the recipient of two research grants, with six previous grants still active. She also undertook three additional research projects that were unfunded. Dr. Lévesque coordinates and teaches three courses at Queen's University, and supervises both graduate students and undergraduate theses. Her papers, publications and presentations are included in the *Dissemination* section of this report.

Research Grants – Received

Title: “*HPV vaccine: A post-marketing safety evaluation*”
Agency: Kingston, Frontenac, Lennox and Addington (KFL&A) Public Health
Role: Principal Investigator
Amount: \$30, 000 (December 10, 2008 – October 30, 2010)
Type: Operating grant

Title: “*A pharmacoepidemiology study of the cardiovascular safety of bisphosphonates*”
Agency: Canadian Institutes of Health Research (CIHR), Population Health Committee
Role: Co-Principal Investigator
Amount: \$176,300 (Operating grant: April 01, 2008 – March 31, 2010)
Type: Operating grant

Research Grants – Still Active

Title: “*Establishment of the Pharmacoepidemiology and Economics Research Unit (PERU)*”
Agency: Ontario Research Fund for Research Infrastructure (ORF-RI)
Role: Principal Investigator
Amount: \$438,556 (July 01, 2007 – June 30, 2009)
Type: Provincial infrastructure grant

Title: *“Establishment of the Pharmacoepidemiology and Economics Research Unit (PERU)”*

Agency: Canadian Foundation for Innovation – Leaders Opportunity Fund (CIF-LOF)

Role: Principal Investigator

Amount: \$438,556 (July 01, 2007 – June 30, 2009)

Type: Federal infrastructure grant

Title: *“Antithrombotic treatment intensity and the risk of hemorrhagic complications in the elderly: A population-based study”*

Agency: Canadian Institutes of Health Research (CIHR), Population Health Committee

Role: Principal Investigator

Amount: \$213,222 (April 01, 2007 – September 30, 2009)

Type: Operating grant

Title: *“Nonsteroidal anti-inflammatory drugs and cardiovascular risk – An international patient level meta-analysis of observational studies”*

Agency: Canadian Institutes of Health Research (CIHR), Population Health Committee

Role: Co-investigator

Amount: \$183,616 (October 01, 2007 – September 30, 2009)

Type: Operating grant

Title: *“The Effect of Diabetes Mellitus on the Development, Treatment, and Outcomes of Congestive Heart Failure”*

Agency: Canadian Institutes of Health Research (CIHR), Population Health Committee

Role: Co-investigator

Amount: \$99,925 (October 01, 2006 – September 31, 2008)

Title: *“Development, validation and applications of new methods for analyzing observational studies of medications”*

Agency: Canadian Institutes of Health Research (CIHR), Population Health Committee

Role: Co-investigator

Amount: \$572,735 (October 01, 2006 – August 30, 2011)

Type: Operating grant

Unfunded Research Projects

Title: *“Antipsychotic Drugs and Hyperglycemia in Older Patients with Diabetes”*

Role: Co-investigator (January 01, 2007 – September 30, 2008)

Title: *“Are randomized controlled trials sufficiently powered to assess the risk of cancer potentially associated with the use of thiazolidinediones?”*

Role: Principal investigator (April 01, 2007 – March 31, 2008)

Title: *“The representativeness of patients with atrial fibrillation in randomized controlled trials of antithrombotics”*

Role: Principal investigator (April 01, 2007 – March 31, 2008)

External Committees

Member, Vaccine Safety Technical Advisory Committee, Public Health Agency of Canada

Member, Drug, Diabetes and Kidney Committee, Institute for Clinical Evaluative Sciences (ICES)

Member, Education Committee, International Society for Pharmacoepidemiology (ISPE)

Committees of Queen's University

Chair, Undergraduate Medical Education Committee, Dept. of Community Health & Epidemiology

Member, Medicine in Society (MIS) Committee, Department of Medicine

Member, Phase1 Undergraduate Medical Education Committee, Department of Medicine

Member, Phase2A Undergraduate Medical Education Committee, Department of Medicine

Member, Phase 2B Undergraduate Medical Education Committee, Department of Medicine

Member, Curricular Review Committee, Evidence Based Practice and Critical Thinking

External Research Funds

A summary of external research funding obtained by Research and Education staff members and in place during the year 2008 is contained in the following table. These totaled almost \$2.4 million.

Summary of Research Funding in Place in 2008

Staff Member	Source of Grant	Field of Study	Term of Grant	Amount of Grant
L. Lévesque	KFL&A	HPV Vaccine Safety	2008-2010	\$30,000
L. Lévesque	CIHR	Cardiac Safety of Bisphosphonates	2008-2010	\$176,300
L. Lévesque	CIHR	Medications: New Methods for Analysis	2006 - 2011	\$572,735
L. Lévesque	CIHR	Diabetes/Congestive Heart Disease	2006-2008	\$99,925
L. Lévesque	CIHR	Anti-thrombotic Treatment	2007-2009	\$213,222
L. Lévesque	CIHR	Nonsteroidal Anti-inflammatory drugs	2007-2009	\$183,616
L. Lévesque	ORF-RI	Pharmoeconomics and Economics Research Unit	2007-2009	\$438,556
L. Lévesque	CIF-LOF	Pharmoeconomics and Economics Research Unit	2007-2009	\$438,556
K. O'Connor	PHAC	Evaluation of the RRFSS Website	2007-2008	\$115,974
S. Stewart	MHP	Evaluation of Ontario's HEAL Strategy	2007-2008	\$42,734
I. Gemmill, K. O'Connor	PHAC	Postmarketing Surveillance of Annual Influenza Vaccines: Extended Vaccine Safety	2008	\$56,718
TOTAL				\$2,368,336

Education

Southeastern Ontario Dietetic Internship Program

KFL&A Public Health has been the sponsoring agency for the Southeastern Ontario Dietetic Internship Program since 1993. This 43-week program, accredited by Dietitians of Canada, is designed to prepare competent entry-level dietitians. Our graduates are then able to write the Registered Dietitian license exam and function effectively as part of an interdisciplinary group to optimize the nutritional status of individuals and population groups.

The Internship offers a core program that provides experience in three required areas of dietetic practice: clinical nutrition, community nutrition and nutrition management. In addition, each intern completes a consolidation experience of eight weeks in either clinical or community nutrition practice. In June 2008 six interns completed the program. In September 2008 six interns were accepted for the 2008-2009 year.

In addition to program coordination and sponsorship, KFL&A Public Health provides public health rotation experiences for some of the interns to fulfil their community nutrition requirements. This flagship program could not exist without its many partners which, in 2008, included:

Bancroft Family Health Team
Bracken Health Sciences Library, Queen's University
Brockville General Hospital
Carveth Care Centre
College of Dietitians of Ontario
Country Roads Community Health Centre
Dietitians of Canada – Practice-Based Evidence in Nutrition Project (PEN)
Fairmont Home, Glenburnie
Frontier College
Gateway Community Health Centre
Kristen Graves RD
Haliburton, Kawartha, Pine Ridge District Health Unit
Denise Hargrove RD
Hastings and Prince Edward Counties Health Unit
Hastings Manor, Belleville
Helen Henderson Centre
Hotel Dieu Hospital
John Parrot Centre, Napanee
KFL&A Public Health: Chronic Disease Prevention, Continuing Quality Improvement, Environmental Health, Family Health, and Public Relations
Kingston General Hospital
Lawrence Heights Community Health Centre
Leeds, Grenville and Lanark District Health Unit
Lennox & Addington County General Hospital

Maple Family Health Team
Maple View Lodge, Athens
Merrickville District Community Health Centre
North Hastings Family Health Team
North Kingston Community Health Centre
Northumberland Hills Hospital
Perth and Smiths Falls District Hospital
Providence Care - Mental Health Services
Providence Care - Providence Manor
Providence Care - St. Mary's of the Lake Hospital
Queen's Clinical Education Centre
Quinte Healthcare Corporation: Belleville General, Prince Edward County Memorial
& Trenton Memorial Sites
Rideaucrest Home
Rideau Valley Diabetes Services
Cathy Richards RD
Riddhi Shukla RD
Smiths Falls Community Health Centre
Southwest Ontario Aboriginal Health Access Centre
The Health Communication Unit, University of Toronto
Trillium Ridge Retirement Centre
Heather Williams RD

Our heartfelt thanks are extended to these individuals and facilities.

Undergraduate and Graduate Education

KFL&A Public Health has affiliation agreements with several educational institutions, including Queen's University and St. Lawrence college, enabling in to be a teaching site for undergraduate and graduate students in a wide variety of disciplines. KFL&A Public Health staff participated in the education of students in medicine, nursing, kinesiology and health studies, and other health-related disciplines.

Supervision of Graduate Student Projects

Abby Smith (Kinesiology and Health Studies, MSc, in progress). *Evaluation of a pilot workplace health promotion intervention targeting employees' health behaviours: The Motiv8 Workplace Wellness Program*. Supervised by Kathleen O'Connor and Stevenson Fergus.

Moaz Choudhury (Community Health and Epidemiology, MSc, in progress). *The benefits of in-school physical activity on life satisfaction, self-rated health, academic performance and out-of-school physical activity: a Canadian study*. Supervised by Kathleen O'Connor and Ana Johnston.

Tezeta Mitiku (Community Health and Epidemiology, MSc, 2008). *Identifying Myocardial Infarction Patients using Automated Data Extraction in Family Practice Electronic Records*. Supervised by Linda Lévesque.

Supervision of Undergraduate Student Projects

Nisha Pinto (Life Sciences, 4th Year Thesis (BSc), 2008), *Evaluating the Power of Randomized Controlled Trials of Thiazolidinediones to Detect Cancer Risk*. Supervised by Linda Lévesque.

Jennifer Wu ((Life Sciences, 4th Year Thesis (BSc), 2008), *Representativity of Patients with Atrial Fibrillation in Antithrombotic Trials*. Supervised by Linda Lévesque.

Public Health Placements, and Graduate and Undergraduate Lectures

The following table presents student placements at KFL&A Public Health in 2008.

Student Placements in 2008

DISCIPLINE & LEVEL	DESCRIPTION	NUMBER of STUDENTS LENGTH of COURSE	
		Number of Students	Time
NURSING			
Queen's University Nursing 340	Maternal, Child & Children with Health Challenges	4	6 weeks; 12 hours/week
Queen's University Nursing 405	Practicum in Community Health Promotion: An introduction to the practice of public health promotion with population groups	18	12 weeks; 16 hrs/week
Queen's University Nursing 492	Consolidation of Nursing Care	2	10 weeks; 35 hours/week
Laurentian University/St. Lawrence, 3084	Nursing Practice	1	6 weeks; 12 hours/week
Laurentian University/St. Lawrence, 3094	Nursing Practice	4	6 weeks; 12 hours/week
MEDICINE			
Community-Based Learning Projects 2 nd Year Medicine	Critical Enquiry project An opportunity for medical students to demonstrate analytical or health promotion skills by carrying out a project of value to the agency. Research and Education provides supervision and advice.	2	13 weeks; 35 hours/week
2 nd Year Medicine	Critical Enquiry Projects	2	6 hours
Queen's University Family Medicine Residents	Sexual Health Clinic; clinical experience	48	8 hours
Queen's University Family Medicine Residents PGY2, PGY3	Opportunity for medical residents to observe and assist in a variety of programs and services offered at public health	2	8 weeks 35 hours/week

OTHER			
Dalhousie University Masters of Health Services Administration	Administrative Residency	1	7 hours total
Graduate Dietetic Internship Program	Internship Placement	2	12 weeks 35 hours/week
University of Toronto, Master's in Public Health	Placement	1	24 weeks 20 hours/week
Queen's University Teacher Consolidation Student	Alternate placement	1	3 weeks 35 hours/week
RNAO Fellowship	Secondary Mentor to student	1	7 hours
St. Lawrence College Accounting	Placement	1	4 weeks 35 hours/week
St. Lawrence College Child & Youth Worker, 3 rd year	Field Placement	1	12 weeks 21 hours/week
St. Lawrence College Graphic Designer	Placement	1	3 weeks 40 hours/week
St. Lawrence College, Cornwall Campus, Communication Disorders Assistant	Opportunities to develop clinical skills related to preschool speech and language services.	1	8 weeks 35 hours/week
Ryerson University Environmental Health Program	Practicum	1	16 weeks 35 hours/week

Lectures and presentations to undergraduate and graduate students at Queen's University and St. Lawrence College are presented in the following table.

Lectures and Presentations in 2008

DISCIPLINE & LEVEL	DESCRIPTION	NUMBER of STUDENTS LENGTH of LECTURE	
		Number of Students	Time (hours)
QUEEN'S UNIVERSITY			
Medicine, Phase 1	Public Health	100	2
Medicine, Phase 1	Health Promotion	100	2
Medicine, Phase 1	Determinants of Health	100	2
Medicine, Phase 2	Community Based Projects-Healthy Living	5	1.5
Medicine, Phase 2	Communicable Disease Lecture	100	2
Medicine, Phase 2	Community Based Projects-Healthy Living	5	1.5
Medicine, Phase 2	Immunization	100	2
Medicine, Phase 3	You and Your Personal Protective Equipment	40	1
Medicine, Post Grad	Community Medicine Mock Exam	1	1.5
Medicine, PGY 1	Family Medicine Resident Orientation	1	1
Medicine, PGY 1	Family Medicine Resident Orientation	1	1
Medicine, PGY 1	Family Medicine Resident Evaluation	1	1
Medicine, PGY 1	Family Medicine Resident Evaluation	1	1
Medicine, CPE	Infectious Disease Rounds	30	1
Medicine, Public Health Interest Group	Tuberculosis	15	1
Research Centre	Tuberculosis – Latent and Active	45	1
Nursing, 1 st year	Infection Control and Public Health	75	1.5
Nursing, 3 rd Year	Post-Partum Community Resources	40	2
Nursing, 4 th year	Emergency Planning	18	3
Nursing, 4 th year	Presentation Skills	18	2
Nursing, 4 th year	Syndromic Surveillance	20	1
Nursing, 4 th year	Facilitation Skills	30	4.5
Kinesiology & Health Studies, 3 rd year	Motiv8	65	1

DISCIPLINE & LEVEL	DESCRIPTION	NUMBER of STUDENTS LENGTH of LECTURE	
Kinesiology & Health Studies, 3 rd year	Addiction	150	1
ST. LAWRENCE COLLEGE			
Social Services, 1 st year	Routine Practices and Communicable Disease	60	1
Nursing, 3 rd year	Health of Communities, Elder Care	25	
Fitness and Health Promotion, 2 nd year	When Generations Collide	32	1
KFL&A PUBLIC HEALTH			
Dietetic Internship Program	Breastfeeding Basics	6	2
Dietetic Internship Program	Food-borne Illness and Hazard Analysis and Critical Control Point (HACCP) Principles	12	4
Dietetic Internship Program	Media Workshop	6	3
Dietetic Internship Program	Privacy Legislation	6	1.5
Dietetic Internship Program	College of Dietitians Practice Guidelines	6	1
Dietetic Internship Program	Orientation to Library Services and the Virtual Library	6	2.5
Dietetic Internship Program	RD Toolbox Exercises	6	3.5
Dietetic Internship Program	Effective Communication: Presenting with Pizzazz	6	3
Dietetic Internship Program	Financial and Personnel Planning for the Major Project	6	1

Courses Taught in 2008/2009

DISCIPLINE & LEVEL	DESCRIPTION	NUMBER of STUDENTS LENGTH of COURSE	
		Number of Students	Length (weeks)
QUEEN'S UNIVERSITY			
Medicine, Phase 2	Introduction to Clinical Epidemiology	100	13
Medicine, Phase 2	Critical Appraisal of the Medical Literature	100	6

Dissemination and Development

Included in the “Development” of Public Health Research, Education and Development are all of the activities through which existing and new knowledge is communicated to the public health professionals who can best use the findings. This includes library services as well as reports, presentations and publications.

The library at KFL&A Public Health makes published and internet resources and the services of a Library Technician available to staff in our public health agency.

Library Services

Details of the use made of library services and resources for 2008 are presented below.

Library Statistics for 2008

	Circulation	Journal Articles (PH)	Literature Searches	Reference	Inter library Loans		Items Catalogued
					Borrow	Loan	
Jan	47	76	3	51	15	-	7
Feb	44	96	5	58	59	4	24
Mar	49	70	2	47	25	1	3
Apr	32	40	2	48	17	-	4
May	64	58	5	48	41	2	-
June	51	83	5	45	6	3	1
July	26	45	3	35	12	1	32
Aug	23	74	-	26	2	1	-
Sept	61	33	1	58	23	7	3
Oct	37	60	-	63	11	4	5
Nov	47	50	1	65	29	-	2
Dec	30	28	1	40	3	-	-
TOTALS	511	713	28	584	243	24	81

Other activities and projects that continued or were initiated in 2008:

- Library orientation sessions throughout the year for new staff and volunteers, nursing students and dietetic interns.
- In-service training sessions for staff and interns in the use of EBSCO and Ovid tools for database searching of medical and health information.

- Ongoing partnership with Bracken Health Sciences Library on training opportunities and access to resources and services for staff at KFL&A Public Health.
- Membership in the Ontario Public Health Libraries Association (OPHLA). The Library Technician attended the Association's annual general meeting and workshop held in October at Toronto Public Health. The Library Technician served as vice president of the Association in 2008. One of the major projects undertaken by a working group of the Association was formulating literature searches for each of the program areas of the new Ontario Public Health Standards.
- Quarterly submission to The Patter (staff newsletter) highlighting Library news, resources and services.

Knowledge Translation

Knowledge translation strategies include publications in peer-reviewed journals, presentations at provincial and national conferences, and internal reports. The following list includes publications, presentations and reports completed in 2008 by KFL&A Public Health staff.

Peer-Reviewed Publications

Donovan TL, Moore KM, VanDenKerkhof EG. Employee absenteeism based on occupational health visits in an urban tertiary care Canadian hospital. *Public Health Nurs.* 2008;25(6):565-75.

Fox A, Chenhall C, **Traynor M**, Scythes C, Bellman J. Public health nutrition practice in Canada: a situational assessment. *Public Health Nutr.* 2008;11(8):773-81.

Gilca V, Sauvageau C, McNeil S, **Gemmill IM**, Dionne M, Dobson S, et al. Setting priorities for new vaccination programs by using public health officers and immunization managers opinions. *Vaccine.* 2008;26(33):4204-9.

Peer-Reviewed Publications: In Press

Delva D, Tomalty L, **MacRae K**, Payne P, Plain E, Rowe W. Social accountability through interprofessionalism from concept to practice: a new model for collaborative continuing professional development. *J Interprof Care.* In press 2008.

Etminan M, **Lévesque LE**, FitzGerald JM, Brophy JM. Risk of upper gastrointestinal bleeding with oral bisphosphonates and non-steroidal anti-inflammatory drugs: a case-control study. *Arch Intern Med.* In press 2008.

He M, Beynon C, Sangster Bouck M, St. Onge R, **Stewart S**, Khoshaba L, et al. Impact of the northern fruit and vegetable pilot program (NFVPP): a cluster-randomized controlled-trial. *Public Health Nutr.* In press 2008.

Lévesque LE, Hanley JA, Kezouh A, Suissa A. Immortal time bias in cohort studies: an example using statins for the prevention of diabetes progression. *Br Med J.* In press 2008.

Lévesque LE, Brophy JM, Dell'Aniello S, Suissa S. Oral hypoglycemic agents and the risk of acute myocardial infarction: a population-based cohort study. *Circulation.* In press 2008.

Lipscombe LL, **Lévesque LE**, Gruneir A, Fischer HD, Juurlink DN, Gill S, et al. Antipsychotic drugs and hyperglycemia in older patients with diabetes. *Lancet.* In press 2008.

Publications: Abstracts

Blagojevic A, Lévesque LE, Etminan M, Brophy JM. A pharmacoepidemiology study of the use of bisphosphonates in a cohort of elderly persons [abstract]. *Pharmacoepidemiol Drug Saf.* 2008;17 Suppl 1:S69.

Publications: Not Peer-Reviewed

Caughey A. So, can you catch diabetes from sex? Why dietitians must think about literacy. *Dietitians of Canada Practice.* 2008;41(Spring):8.

Invited Presentations: Poster

Blagojevic A, Lévesque LE, Etminan M, Brophy JM. A pharmacoepidemiology study of the use of bisphosphonates in a cohort of elderly persons [poster]. Proceedings of the 24th International Conference on Pharmacoepidemiology and Therapeutic Risk Management; 2008 Aug 17-20; Copenhagen, Denmark.

Donovan TL. Mapping of occupational health visit data from a Southeastern Ontario tertiary care hospital [poster]. Proceedings of the 7th International Society for Disease Surveillance Conference; 2008 Dec 3-5; Raleigh, NC.

Donovan TL. Innovative, integrated, health care worker syndromic surveillance system [poster]. Proceedings of the Public Health Preparedness Summit; 2008 Feb 19-22; Atlanta, GA.

He M, Beynon C, Sangster Bouck M, St. Onge R, **Stewart S**, Khoshaba L, et al. Impact evaluation of the northern fruit and vegetable pilot program (NFVPP) [poster]. Proceedings of the Public Health in Action Symposium: Social Determinants of Health; 2008 Jun; London, ON.

Muis P. Who is 25? An education campaign for tobacco retailers [poster]. Proceedings of Access 2008: Building a Tobacco-Free Future; 2008 Mar 26-28; Seattle, WA.

St. Onge R, Sangster Bouck M, Lemieux S, Beynon C, He M, **Stewart S**, et al. Delivering a school-based fruit and vegetable program in northern Ontario: key facilitators and notable challenges a focus on the process evaluation of the northern fruit and vegetable pilot program (NFVPP) [poster]. Proceedings of the Public Health in Action Symposium: Social Determinants of Health; 2008 Jun; London, ON.

St. Onge R, Sangster Bouck M, Lemieux S, Beynon C, He M, **Stewart S**, et al. Delivering a school-based fruit and vegetable program in northern Ontario: key facilitators and notable challenges a focus on the process evaluation of the northern fruit and vegetable pilot program (NFVPP) [poster]. Proceedings of the 3rd Northern Ontario School of Medicine Northern Health Research Conference; 2008 May; North Bay, ON.

Invited Presentations – Oral 2008

Beynon C, He M, Sangster Bouck M, St. Onge R, **Stewart S**, Khoshaba L, et al. Evaluation results of the northern fruit and vegetable pilot project (NFVPP): a partnership of local and provincial stakeholders [oral presentation]. Proceedings of the 59th Ontario Public Health Conference: Making Healthy Communities Count; 2008 Oct 26-29; Niagara, ON.

Beynon C, He M, Sangster Bouck M, St. Onge R, **Stewart S**, Murkin E. Process evaluation of the implementation of Ontario's action plan for healthy eating and active living: phase I findings and phase II next steps [oral presentation]. Presentation for the Ontario Ministry of Health Promotion; 2008 Apr; Toronto.

Beynon C, He M, Sangster Bouck M, St. Onge R, **Stewart S**, Murkin E. Childhood healthy weights strategy: building an evaluation framework: a conversation [oral presentation]. Presentation for the Ontario Ministry of Health Promotion; 2008 May; Toronto.

Delva D, Tomalty L, **MacRae K**, Payne P, Plain E, Rowe W. Social accountability through interprofessionalism: from concept to practice: a new model for collaborative continuing professional development [oral presentation]. Proceedings of the 9th Annual Symposium on Medical/Health Professions Education; 2008 Apr 18; Halifax, NS.

Donovan TL. Implementation and evaluation of an innovative, integrated, health care worker syndromic surveillance system for infectious disease [oral presentation]. Presented at Queen's Institute of Population and Public Health Research Day; 2008 Jan 28; Kingston.

Donovan TL. Can surveillance of occupational health data contribute to public health [oral presentation]? Presented at Queen's Institute of Population and Public Health Research Day; 2008 Jan 28; Kingston.

Edwards C, McBride C. CAGE+2+Y: health professionals' screening tool for alcohol use [oral presentation]. Presented at Alcohol and Breast Cancer Seminar; 2008 Oct 22; Peterborough, ON.

Edwards C, McBride C. CAGE+2+Y: health professionals' screening tool for alcohol use [oral presentation]. Presented at Alcohol and Breast Cancer Seminar; 2008 Sep 24; Kingston, ON.

Gemmil I. HPV uptake in Ontario [oral presentation]. Proceedings of the 8th Canadian National Immunization Conference; 2008 Dec 2; Toronto.

Gemmil I. HPV uptake in Ontario [oral presentation]. Proceedings of the 8th Canadian National Immunization Conference; 2008 Nov 30; Toronto.

Gemmil I. Immunization competencies [oral presentation]. Presented at The 2008 Canadian Paediatric Society Immunization Provider Training Course; 2008 Nov 28-29; Toronto.

Gemmil I. HPV vaccine uptake in Ontario [oral presentation]. Proceedings of the 99th Canadian Public Health Association Annual Conference; 2008 Jun 2; Halifax, NS.

Gemmil I. Research initiatives at KFL&A public health [oral presentation]. Presented at Queen's Institute of Population and Public Health Research Day; 2008 Jan 28; Kingston.

He M, Beynon C, Sangster Bouck M, St. Onge R, **Stewart S**, Khoshaba L, et al. Impact evaluation of the northern fruit and vegetable pilot program (NFVPP) [oral presentation]. Proceedings of the 7th Canadian Society for Clinical Nutrition Annual Scientific Meeting; 2008 May 29-31; Toronto.

He M, Beynon C, Sangster Bouck M, St. Onge R, **Stewart S**, Khoshaba L, et al. Evaluation of the northern fruit and vegetable pilot program (NFVPP): A randomized controlled trial [oral presentation]. Canadian Public Health Association Annual Conference; 2008 Jun 2; Halifax, NS.

Leavitt S. Menu planning at childcare facilities: a toolkit for childcare providers [oral presentation]. Proceedings of the 59th Ontario Public Health Conference: Making Healthy Communities Count; 2008 Oct 26-29; Niagara, ON.

Lévesque LE. Assessing variability of breast cancer risk in observational studies of hormone replacement therapy and oral contraceptives: a meta-regression analysis [oral presentation]. Presented at the Research in Progress Seminar, Department of Community Health and Epidemiology, Queen's University; 2008 Oct 1; Kingston.

Lévesque LE. The glitazones: getting to the heart of the story [oral presentation]. Presented at the Diabetes Care Program of Nova Scotia Spring 2008 Workshop; 2008 Apr 11; Halifax, NS.

Lévesque LE. Glitazone use and heart disease [oral presentation]. Presented at the Therapeutics Conference, Continuing Professional Development Program, Queen's University; 2008 Apr 2; Kingston.

Lévesque LE. Making treatment recommendations in the face of competing benefits and risks [oral presentation]. Proceedings of the 25th Ottawa Valley Regional Drug Information Service Annual UPDATE conference; 2008 Feb 16; Ottawa.

Lévesque LE. Evidence based medicine: how to use cohort studies to assess the risks and benefits of drug therapy [oral presentation]. Proceedings of the 39th Canadian Society of Hospital Pharmacists Professional Practice Conference; 2008 Jan 26-27; Toronto.

Lévesque LE. Quantifying and correcting for confounding by indication due to unmeasured risk factors [oral presentation]. Presented at the Research in Progress Seminar, Department of Community Health and Epidemiology, Queen's University; 2008 Jan 16; Kingston.

Muis P. Joint agency group for tobacco control: a collaboration of agencies in the enforcement of contraband tobacco issues [oral presentation]. Proceedings of Access 2008: Building a Tobacco-Free Future; 2008 Mar 26-28; Seattle, WA.

Melville N. Take control [oral presentation]. Proceedings of the 2nd Southeastern Ontario Regional Cancer Program and Regional Ontario Nursing Council Biennial Nurses Conference; 2008 Mar 3-4; Kingston.

Melville N. Take control [oral presentation]. Presented at Clinical Tobacco Intervention; 2008 Mar 25; Kingston.

O'Connor K. Health professionals survey: knowledge, attitudes and practices about HPV vaccines use and their potential impact on cervical screening interventions [oral presentation]. Presented at the Queen's Institute of Population and Public Health Research Day; 2008 Jan 28; Kingston.

Stewart S. Step into fitness evaluation [oral presentation]. Presented at the Queen's Institute of Population and Public Health Research Day; 2008 Jan 28; Kingston.

Traynor M. Building a plan to enhance public health nutrition practice in Canada [oral presentation]. Presented at the Queen's Institute of Population and Public Health Research Day; 2008 Jan 28; Kingston.

van Dijk A. Can monitoring Telehealth Ontario enhance public health surveillance [oral presentation]? Presented at the Queen's Institute of Population and Public Health Research Day; 2008 Jan 28; Kingston.

Reports

Churchman N, O'Connor K, Ali A, Barbaro J, Leffley A, Moynagh K, et al. Rapid risk factor surveillance system (RRFSS): report on the RRFSS website enhancement and evaluation project. Short report to the Public Health Agency of Canada, Chronic Disease Surveillance Division. Kingston: Public Health Research, Education and Development (PHRED) Program, Kingston, Frontenac and Lennox & Addington Public Health; 2008.

Churchman N, O'Connor K, Ali A, Barbaro J, Leffley A, Moynagh K, et al. Rapid risk factor surveillance system (RRFSS): report on the RRFSS website enhancement and evaluation project. Final report to the Public Health Agency of Canada, Chronic Disease Surveillance Division. Kingston: Public Health Research, Education and Development (PHRED) Program, Kingston, Frontenac and Lennox & Addington Public Health; 2008.

Robertson J, Millan K, O'Connor K, Churchman N. Results of the 2007 KFL&A public health staff survey. Kingston: Public Health Research, Education and Development (PHRED) Program, Kingston, Frontenac and Lennox & Addington Public Health; 2008.

Sangster Bouck M, **Stewart S**, Beynon C, St. Onge R, He M, Battram D, et al. Process evaluation of Ontario's action plan for healthy eating and active living: phase I preliminary report. London (ON): Middlesex-London Health Unit; 2008.

Scott K. SOYF taking steps: long-term care initiative follow-up report. Kingston: Public Health Research, Education and Development (PHRED) Program, Kingston, Frontenac and Lennox & Addington Public Health; 2008.

Sinclair S. Urban and rural health status report in KFL&A. Kingston: Public Health Research, Education and Development (PHRED) Program, Kingston, Frontenac and Lennox & Addington Public Health; 2008 Jul.

Stewart S, Edwards C. Every drink is a choice: process evaluation. Kingston: Public Health Research, Education and Development (PHRED) Program, Kingston, Frontenac and Lennox & Addington Public Health; 2008.

Staff Development

Staff development is an important component of Quality Assurance, and an important role for Research and Education. Research and Education coordinates a series of in-house seminars, “R.E.D. Hot Topics in Public Health”, to address current topics in public health and to present staff with the findings of in-house research projects.

R.E.D. Hot Topics in Public Health - 2008

Presenter	TOPIC	Date
Dr. Ian Janssen	Environmental determinants of obesity: Can your neighbourhood make you fat?	January 17
Brendine Partyka	Exploring infant nutrition and moving toward solutions	February 13
Adrienne Hansen-Taugher	Emergency Planning and Preparedness Program	March 6
Sarah-Jane Whittaker & Karen Rudie	Managing outbreaks using computer generated algorithms	April 10
Justin Chenier	Who’s Tuned into What?	May 22
Dietetic Interns	Public Health Projects	June 11
Suzanne Sinclair	Urban and Rural Health Status Report in KFL&A	September 15
Kathleen O’Connor	What do Parents Know about their Children’s Immunisation?	October 8
Kate Humphreys	The youth Msg: RUUp4it? Creative, Connected, Passionate & Powerful – Youth Engagement in Public Health	November 17
Amy Latimer	Messages Made to Fit: An evidence-based strategy for developing effective health messages	December 10

Congratulations

Congratulations to Dawn Barr, Supervisor of Volunteer Programs, who completed her Master of Arts Degree from Royal Roads University in Victoria B.C. Dawn’s thesis was entitled “Leveraging Leadership in Public Health Middle Management.” Her research examined how the organization can support the emerging role and leadership development of middle management.

Research and Education Staff

2008

Gail Brierley	Program Assistant
Tara Dawe, MLT	Research Assistant
Melanie Dittburner	Library
Jen Harrington, BScN, RN	Research Assistant
Matthew Hodgetts	Research Assistant
Linda Lévesque, BScPhm, PhD	Research Scientist
Paul Masotti, PhD	Research Associate
Daphne Mayer, MPH	Research Officer
Stephen Matemba, DDS, MPH	Research Associate
Julia McBride	Research Assistant
Kathleen O'Connor, PhD	Director
Mary Peterson	Research Assistant
Karen Scott, MSc	Research Associate
Suzanne Sinclair, MSc	Epidemiologist
Susan Stewart, MA	Research Associate
Kathleen Sughrue, BScN, RN	Research Assistant
Hilary Thurston	Research Assistant
Marie Traynor, MSc, PHEc, RD	Research Associate

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