

2006 Annual Report

May 7, 2007

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



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Director's Report

The Public Health Capacity Review Committee was established in January, 2005 to provide “a comprehensive assessment of the current capacity of local health units to meet the public health challenges of Ontario”. At the beginning of 2006, the interim report of the Capacity Review Committee had just been released, and the field of public health was awaiting the final report. The final report, *Revitalizing Ontario's Public Health Capacity: The Final Report of the Capacity Review Committee*, was released in May, 2006 with 50 recommendations for improving the delivery of public health services.

Many recommendations deal with strengthening capacity for research and education, and seven relate directly to “Research and Knowledge Exchange”. Because these activities are “core business” for PHRED, all of these recommendations are likely to have implications for the program. It was further recommended that the PHRED program be fully funded from provincial sources and that it be aligned with the new Ontario Agency for Health Protection and Promotion. Exactly how this would happen had not yet been determined.

At the time of writing, two major recommendations of the final report are in the process of being implemented. A revision of the Mandatory Health Programs and Services Guidelines (1997) has resulted in draft Ontario Public Health Standards; the final version of these standards is likely to be implemented in 2007. In addition, the Health Systems Improvements Act, 2006, which establishes the Ontario Agency for Health Protection and Promotion, is currently being considered in the Ontario Legislature. It indeed promises to be a time of change for Ontario PHRED programs.

KFL&A PHRED staff continue to work diligently in the three areas of the program's mandate: applied research, education and capacity development. The contributions of this program in 2006 to applied research provincially included

- an evaluation of the Ontario Rapid Risk Factor Surveillance System, a system which provides population-based data for program planning and evaluation in Ontario public health agencies
- active involvement in the development of an evaluation of the provincial Health Eating and Active Living initiative, and
- work in the illustration of Public Health Core Competencies.

Our research capacity has been strengthened significantly since Ms. Linda Lévesque joined the ranks of PHRED as Research Scientist at the beginning of 2006; she had a productive year with the publication of 10 peer-reviewed papers and abstracts, and 12 conference posters and presentations. Locally, program evaluations are being conducted regularly in chronic disease prevention, all areas of family health and vaccine preventable diseases.

In 2006 KFL&A Public Health provided placements for 41 nursing students, clinical experience for 50 medical students, and public health experience to seven students in other fields of study. Lectures and presentations were given to 1,333 students in various courses including medicine, nursing and health sciences. There were seven graduates of the Southeastern Ontario Comprehensive Dietetic Internship Program.

The demand on library services grows each year, with over 900 journal articles requested, almost 500 books and journals circulated and over 600 reference requests. R.E.D. Hot Topics continued to be offered each month. This report documents our achievements for 2006 in all of these areas.

This year we said good-bye to Lynn Serson and Dr. Judy Dewolfe, and wish them well as they take leave of PHRED. We welcomed Suzanne Sinclair, Epidemiologist and Marie Traynor, Research Associate and Coordinator of the Dietetic Internship Program. Together we look forward to a new year in an exciting time of opportunities for the PHRED program.

Respectfully submitted,

Kate O'Connor,

Director of the PHRED Program,
KFL&A Public Health.

Public Health Research

Research Projects Completed in 2006

Provincial (Collaborative) PHRED Projects

Public Health Core Competencies: A Discussion Paper

Description: This discussion paper outlines the process undertaken by the PHRED working group to illustrate the draft set of public health core competencies. This paper illustrates the core competencies by staff grouping and levels of proficiency. The PHRED working group proposed recommendations for next steps in the development of the core competencies.

Investigators: Jocelyne Blais, Karen Jenkins, Isabelle Michel, Karen Scott

Local PHRED Staff: Karen Scott

Funding: Public Health Agency of Canada (\$24,840)

Completion Date: March, 2006.

Addendum to: “Public Health Core Competencies: A Discussion Paper”, A Summary of the Proceedings of the March 21, 2006 Meeting.

Description: This addendum summarizes the proceedings of a meeting on March 21st to present the Discussion Paper. It outlines possible dissemination and utilization strategies for the Core Competency Illustration Table. The addendum also summarizes the discussion and priorities assigned to the recommendations put forth in the PHRED paper.

Investigators: Karen Jenkins, Isabelle Michel, Karen Scott

Local PHRED Staff: Karen Scott

Funding: Public Health Agency of Canada (\$5,653)

Completion Date: June, 2006.

Illustration of the Draft Set of 44 Public Health Core Competencies

Description: The core competencies were reduced from 62 to 44 as a result of extensive consultations across Canada. PHRED was contracted to illustrate the new set of competencies. Each competency was described by staff grouping (front-line provider and specialist/consultant) and level of proficiency.

Investigators: Karen Jenkins, Isabelle Michel, Karen Scott

Local PHRED Staff: Karen Scott

Funding: Public Health Agency of Canada (\$5,104)

Completion Date: December, 2006.

Program Logic Model and Evaluation Plan for Ontario's Action Plan for Healthy Eating and Active Living

Description: This project included the development of a series of logic models to fully describe Ontario's Action Plan. An evaluation plan, supported by the logic models, was developed for this Action Plan.

Investigators: Charlene Beynon, Jocelyne Blais, Meizi He, Alison Massey, Elaine Murkin, Michelle Sangster-Bouck, Renée St. Onge, Susan Stewart

Local PHRED Staff: Susan Stewart

Funding: Ministry of Health Promotion

Completion Date: June, 2006.

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

Description: Preparation of a proposal for a process evaluation of Ontario's Action Plan for Healthy Eating and Active Living. The evaluation is designed to determine implementation facilitators and barriers.

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

Local PHRED Staff: Susan Stewart

Funding: Ministry of Health Promotion

Completion Date: December, 2006.

Evaluation of RRFSS

Description: This was a comprehensive evaluation of the Rapid Risk Factor Surveillance System (RRFSS), an on-going public health surveillance system. This system provides timely, regional data to health units for local program planning and evaluation. It was previously evaluated in 2001.

Investigators: Amira Ali, Rachelle Gagnon, Elaine Hector, Jane Hohenadel, Irene Koren, Kathy Moran, Karen Moynagh, Adrianna Newbury, Kathleen O'Connor, Louise Picard, Deborah Radcliffe, Lynne Russell, Louisa Wong

Local PHRED Staff: Kathleen O'Connor

Funding: Internal

Completion Date: August, 2006.

Summary Statement of a Systematic Review: Home visits for women with an alcohol or drug abuse problem.

Local PHRED Staff: Kathleen O'Connor

Funding: Internal

Completion Date: June, 2006

Summary Statement of a Systematic Review: Red-light cameras for the prevention of road traffic crashes.

Local PHRED Staff: Susan Stewart

Funding: Internal

Completion Date: June, 2006

Summary Statement of a Systematic Review: Vaccines for preventing influenza in healthy children.

Local PHRED Staff: Suzanne Sinclair

Funding: Internal

Completion Date: June, 2006

Local PHRED Projects

Physician Use of CAGE+2+Y, a Screening Tool for Alcohol Use

Description: This was a pilot study to assess the value of the CAGE+2+Y tool to physicians and other health professionals as an aid in screening for alcohol use.

Investigators: Caulette McBride, Kathleen O'Connor, Michael Schmidt, Valerie Stenzl, Susan Stewart

PHRED Staff: Kathleen O'Connor, Susan Stewart

Funding: Internal

Completion Date: February, 2006.

Family Enrichment Program

Description: An evaluation of the Family Enrichment Project which is a joint project of Lennox & Addington Child and Family Services and the Healthy Babies, Healthy Children program. The evaluation of this pilot project will determine if the project will continue and, if so, future direction for this collaborative effort.

Investigators: Heather Johnston, Darlene Keech, Susan Stewart

PHRED Staff: Susan Stewart

Funding: Internal

Completion Date: April, 2006.

Needs Assessment of Physician Use of Health Unit Material, and Pilot Study of a Resource Binder

Description: Evaluation of physician response to a new resource binder of Public Health materials. Resources are organized in a binder to make them easy to locate, use and re-order.

Investigators: Donna Clarke-McMullen, Cheri O'Dette, Karen Scott, Valerie Stenzl, Jane Thurston

PHRED Staff: Karen Scott

Funding: Internal

Completion Date: May, 2006.

Evaluation of "Mothers Helping Mothers"

Description: Evaluation of a facilitated peer support group for women who experience depression in the postnatal period.

Investigators: Pam Carr, Judy Jeswiet, Kathy MacRae, Kathleen O'Connor, Elizabeth Rolland, Cindy VanderMuellen

PHRED Staff: Kathleen O'Connor

Funding: Internal

Completion Date: June, 2006.

Early Expressions Parental Satisfaction Survey

Description: An evaluation to determine parental satisfaction with Early Expressions, a program delivering preschool speech and language services to children in the Kingston, Frontenac and Lennox & Addington area.

Investigators: Sonya Bianchet, Amanda Brignell, Kathy MacRae, Kathleen O'Connor, Susan Stewart

PHRED Staff: Susan Stewart, Kathleen O'Connor

Funding: Internal

Completion Date: October, 2006.

Stay on Your Feet: Demonstration Project

Description: Implementation of a 'best-practice' multi-strategy intervention to reduce falls in elderly people.

Investigators: Luana Culmer, Karen Scott, Debbie O'Grady

PHRED Staff: Karen Scott

Partners: North Kingston Community Centre, Seniors Association, City of Kingston, Fairmont Home, Rideaucrest Home, Providence Continuing Care Centre, Kingston General Hospital

Funding Agency (Amount): Ontario Neurotrauma Foundation (\$100,000)

Completion Date: November, 2006.

Evaluation of "Drive for Life"

Description: Evaluation of 'Drive for Life', an interactive program delivered by public health staff. It is designed to reduce the incidence of impaired driving and increase alcohol awareness in Grade 11 students. The ultimate aim of this program is to reduce injuries and deaths associated with alcohol consumption among high school students in Kingston and the surrounding areas.

Investigators: Lynn MacKinder, Darlene Mecredy, Kathleen O'Connor, Karen Scott

Partners: Limestone District School Board, Algonquin and Lakeshore Catholic District School Board

PHRED Staff: Karen Scott, Kathleen O'Connor

Funding: Internal

Completion Date: November, 2006.

Health Status Reports

Analysis of RRFSS Data for KFL&A for 2005.

Description: Analysis of local data from the Rapid Risk Factor Surveillance System in the KFL&A area for 2005.

Investigator: Suzanne Sinclair

Funding: Internal

Completion Date: December, 2006.

Ongoing Research

Provincial (Collaborative) PHRED Projects

Effectiveness of Strategies to Prepare and Support Preceptors and Students for Preceptorship

Description: This is a systematic review of strategies designed to prepare professionals in health-related fields for the role of preceptor and to support them in this role.

Investigators: Judy DeWolfe, Cathie Perkin, Jo-Anne Peterson

Local PHRED Staff: Judy DeWolfe

Funding: Internal

Start and Anticipated Completion Dates: June, 2004 – February, 2007.

Public Health Research Ethics Toolkit

Description: This project was designed to assess the needs of Ontario public health units (PHU) for information about processes for the ethical review of research projects. The project included a survey of PHU with respect to current practice.

Investigators: Jo Beyers, Sherry Biscope, Donna Ciliska, Susan Moxley, Kathleen O'Connor, Michelle Sangster Bouck, Ido Vettoretti

Local PHRED Staff: Kathleen O'Connor

Funding: Internal

Start and Anticipated Completion Dates: April, 2005 – December, 2007.

Analysis of CCHS Cycle 2.2 Nutrition Data

Description: Analysis of CCHS Cycle 2.2 data on body weight status, dietary intake patterns and nutritional vulnerability. Results will contribute to policy development and program decisions.

Investigator: Valerie Tarasuk, Janet Vogt

Advisory Committee: Katherine Haimes, Meizi He, Colleen Kiel, Bridget King, Dar Malavariarcci, Mary-Jo Makarchuk, Elizabeth Rael, Renée St. Onge, Marie Traynor

Local PHRED Staff: Marie Traynor

Funding: Ministry of Health Promotion

Start and Completion Dates: September, 2006 – June, 2007.

Northern Ontario Fruit and Vegetable Evaluation

Description: A comprehensive evaluation of the Northern Ontario Fruit and Vegetable program, which supplies fresh fruit and vegetables to students in selected schools in Northern Ontario.

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

Local PHRED Staff: Susan Stewart

Funding: Internal

Start and Anticipated Completion Dates: October, 2006 – May, 2007.

Systematic Review of Food Security and Obesity

Description: A systematic review of literature investigating the association between food insecurity and obesity. This review is being conducted by the Effective Public Health Practice Project.

Investigators: Marlene Mirza and Sandra Micucci (EPPHP)

Advisory Committee: Elizabeth Heeney, Bridget King, Jenn Maki, Marie Traynor, Claire Warren

Local PHRED Staff: Maris Traynor

Funding: Ontario Ministry of Health and Long-term Care, Ontario Ministry of Health Promotion

Anticipated Completion Date: May 2007

Local PHRED Projects

Survey of Knowledge, Attitudes and Practices about HPV Vaccines Use and their Potential Impact on Cervical Screening Interventions

Description: This study is designed to survey the knowledge, attitudes and practices of Ontario physicians regarding HPV immunization.

Principal Investigators (Ontario): Peter Bryson, Saul Greenberg, Robbi Howlett, Susan MacDonald, Joan Murphy

PHRED Investigators: Dr. I. Gemmill, Susan Stewart, Kathleen O'Connor

Start and Anticipated Completion Dates: April, 2005 –

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

PHRED Staff: Kathleen O'Connor, Susan Stewart

Funding: Internal

Start and Anticipated Completion Dates: May, 2005 – April, 2007.

Healthcare Provider Survey of Knowledge, Attitudes, Beliefs and Behaviours regarding Immunization

Description: This study is designed to survey attitudes regarding immunization and to understand how these influence and predict behaviour.

Principal Investigator: Jane Buxton, Beth Halpern, Cheryl McIntyre, Karen Pielak, D. Skowronski, Valencia Temple, UBC Centre for Disease Control

PHRED Investigators: Dr. I. Gemmill, Kathleen O'Connor

Anticipated Start Date: Project currently in development.

Computerized Digital Photoscreening for Amblyopiogenic Factors

Description: This study will determine 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

PHRED Staff: Kathleen O'Connor

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

Start and Anticipated Completion Dates: August, 2005 – August, 2007.

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

Description: An evaluation of a poster campaign targeting local post-secondary students and evaluation of the everydrinkisachoice.com website.

Investigators: Susan Stewart, Cathy Edwards

PHRED Staff: Susan Stewart

Funding: Internal

Start and Anticipated Completion Dates: September 2005 – April, 2007.

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

PHRED Staff: Susan Stewart

Funding: Internal

Start and Anticipated Completion Dates: October, 2005 – April, 2007.

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

Description: A study to determine changes in knowledge, attitudes and behaviours of mothers over a three year period. The previous study was conducted in 2002.

Investigators: Pam Carr, Susan Stewart

PHRED Staff: Susan Stewart

Funding: Internal

Start and Anticipated Completion Dates: January, 2006 – April, 2007

Evaluation of "Step into Fitness"

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

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

PHRED Staff: Karen Scott, Susan Stewart

Funding: Internal

Start and Anticipated Completion Dates: April, 2006 – April, 2008.

Health Status Reports

Demographic and Risk Factors Associated with Obesity in Kingston, Frontenac and Lennox & Addington

Description: A report of sociodemographic factors and their relationship to obesity in the KFL&A area.

Investigators: Suzanne Sinclair, Jodie Sorel

Funding: Internal

Start and Anticipated Completion Dates: March, 2005 – June, 2007.

Successful Grants

Parental Knowledge of Childhood Immunizations, and Barriers to the Immunization of their Children

Description: This study will assess parental knowledge of the components and side effects of Prevnar and Pentacel as indicators of their knowledge of childhood immunizations in general. In addition, this study will assess barriers to immunization among parents whose children have not been immunized according to the schedule recommended by the Ontario Ministry of Health.

Investigator: Kathleen O'Connor

PHRED Staff: Kathleen O'Connor, Jennifer Robertson

Funding: Wyeth Pharmaceuticals (\$42,279)

Start and Anticipated Completion Dates: January 1, 2007 – December 31, 2007.

PHRED Research Scientist

Ms. Linda Lévesque was recruited as a PHRED Research Scientist at KFL&A Public Health and an Assistant Professor in the Department of Community Health and Epidemiology at Queen's University in 2006. She also holds the position of Adjunct Scientist at the Institute for Clinical Evaluative Sciences (ICES) in Toronto. Her research interests 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. Linda is a practicing pharmacist who brings over 15 years of clinical practice experience to her research.

In 2006 Ms. Lévesque was the recipient of two research awards from the Canadian Institutes of Health Research (CIHR). She has two previous research grants which are still active, and two currently in review.

Research Grants – Received

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)

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)

Research Grants – Under Review

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: \$292,574

Title: *“Non-steroidal antiinflammatory 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: \$214,462

Research Grants – Still Active

Title: “*Cox-2 Selective Inhibitors and Cardiovascular Outcomes in an Elderly Population*”

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

Role: Co-investigator

Amount: \$127,304 (April 01, 2005 – March 31, 2007)

Title: “*A Pharmacoepidemiology Study of a Potential Drug Interaction between Atorvastatin and Clopidogrel Following Percutaneous Coronary Intervention*”

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

Role: Co-investigator

Amount: \$102,600 (October 01, 2005 – September 31, 2007)

External Committees

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

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

Ms. Lévesque’s presentations and publications are contained in the *Dissemination* section of this report.

Education

Southeastern Ontario Comprehensive Dietetic Internship Program

KFL&A Public Health has been the sponsor agency for the Southeastern Ontario Dietetic Internship Program since 1993. This 44-week program, accredited by Dietitians of Canada, is designed to prepare competent entry-level dietitians. Our graduates are then able to function effectively as part of an interdisciplinary group to optimize the nutritional status of a population.

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 2006, seven interns completed the program. Seven new interns were accepted for the 2006-07, including one intern placed at a satellite site hosted by the Sudbury and District Health Unit. KFL&A Public Health not only coordinates the internship program but 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 include:

Bracken Health Sciences Library, Queen's University	Merrickville District Community Health Centre
Brockville General Hospital	North Kingston Community Health Centre
Carveth Care Centre	Perth and Smith Falls District Hospital
Children's Hospital of Eastern Ontario	Providence Continuing Care Centre: Mental Health Services
Country Roads Community Health Centre	Providence Continuing Care Centre: Providence Manor
Dietitians of Canada – Practice-Based Evidence in Nutrition Project	Providence Continuing Care Centre: St. Mary's of the Lake Hospital
Espanola Family Health Team	Noojmowin Teg Health Centre, Little Current
Extendicare Kingston	Northumberland Hills Hospital
Fairmont Home, Glenburnie	Pioneer Manor, Sudbury
Four Villages Community Health Centre, Toronto	Quinte Healthcare Corporation: Belleville General, Prince Edward County Memorial, Trenton Memorial Sites
Gateway Community Health Centre	Rideaucrest Home
Haliburton, Kawartha, Pine Ridge District Health Unit	Rideau Regional Centre
Hastings and Prince Edward Counties Health Unit	Rideau Valley Diabetes Services
Hastings Manor, Belleville	Southlake Regional Health Centre
Helen Henderson Care Centre	Sudbury & District Health Unit
Hotel Dieu Hospital	Sudbury Regional Hospital
KFL&A Public Health - Chronic Disease Prevention and Family Health Teams	The Health Communication Unit, University of Toronto
Kingston General Hospital	Toronto Rehabilitation Institute
Leeds, Grenville and Lanark Health Unit	Trillium Ridge Retirement Centre
Lennox & Addington County General Hospital	Heather Williams, RD in private practice
Maple View Lodge, Athens	

Undergraduate and Graduate Education

An affiliation with Queen's University allows KFL&A Public Health to be an teaching site for undergraduate and graduate students in a wide variety of disciplines. Students in medicine, nursing other health sciences were among the 111 placement requests filled in 2006.

Graduate Students

Cary Duncan (Nursing, MScN, in progress). *Evaluation of the Effectiveness of a Community-Based Falls Prevention Program*. Supervised by Judy DeWolfe and Valerie Stenzl.

Greg Kennedy (Epidemiology, MSc, in progress). *The Effect of Antidepressants on Cardiovascular Morbidity and Mortality: A Population-based Cohort Study*. Supervised by Linda Lévesque and Kristan Aronson.

Public Health Placements, and Graduate and Undergraduate Lectures

The following table presents requests for placements at KFL&A Public Health in 2006.

Student Placements in 2006

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	14	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	14	11 weeks; 16 hrs/week
Queen's University Nursing 492	Consolidation of Nursing Care	7	10 weeks; 35 hours/week
University of Ottawa Nursing, Post-RN	Community Health Nursing	4	117 hours
Laurentian University, Post-RN	Leadership Skills in Nursing Practice	2	54 hours

Student Placements in 2006 (*cont.*)

DISCIPLINE & LEVEL	DESCRIPTION	NUMBER of STUDENTS LENGTH of COURSE	
		Number of Students	Time
MEDICINE			
Community-Based Learning Projects 2 nd Year Medicine	An opportunity for medical students to demonstrate analytical or health promotion skills by carrying out a project of value to the agency. PHRED provides supervision and advice.	13	3 meetings: 1 hour each
Queen's University Family Medicine Residents	Sexual Health Clinic; clinical experience	50	8 hours
OTHER			
Environmental Health	Undergraduate	3	16 weeks; 35 hrs/week
Graduate Dietetic Internship Program	Internship Placement	1	4 weeks; 35 hrs/week
Master of Speech Language Pathology	Clinical Placement	1	200 hours
Education	Undergraduate: Alternative Placement	1	3 weeks; 35 hrs/week
St. Lawrence College	Tobacco Control Enforcement	1	4 weeks; 35 hrs/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 2006

DISCIPLINE & LEVEL	DESCRIPTION	NUMBER of STUDENTS LENGTH of LECTURE	
		Number of Students	Time (hours)
QUEEN'S UNIVERSITY			
Medicine, Phase 1	Health Promotion	100	2
Medicine, Phase 1	Introduction to Public Health	100	2
Medicine, Phase 2	Infectious Diseases	100	2
Medicine, Phase 2	Immunization	100	2
Nursing, 4 th Year	Group Facilitation Skills	100	3
Nursing, 4 th Year	Healthy Public Policy and Advocacy	100	1
Nursing, 4 th Year	Presentation Skills	100	2
Nursing, 4 th Year	Community Based Programming	100	1.25
Nursing, 4 th Year	Pandemic Planning	100	1.5
Nursing, 4 th Year	Working with the Media	100	.45
Nursing, 4 th Year	Program Logic Models and Program Evaluation	100	2.5
Nursing, 4 th Year	Hearts@Work as an Example of a Community Partnership	100	1
Kinesiology & Health Sciences, 3 rd Year	Behavioural Change and Smoking Cessation	100	2
Education, Graduate	Daily Physical Activity	70	2
Occupational Therapy	General Speech and Language Development: Assessment and Treatment	45	1.5
Family Medicine, Residency	Promoting Early Literacy and Language in the Physician's Office	35	1
ST. LAWRENCE COLLEGE			
Child & Youth Workers	When Generations Collide	28	1.5

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 are communicated to the public health professionals who can best use the findings. This includes library services, 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 2006 are presented below.

Library Statistics for 2006

	Circulation	Journal Articles (PH)	Literature Search	Reference	Internet	Inter library Loans		Items Catalogued
						Borrow	Loan	
Jan	22	35	2	56	26	38	-	28
Feb	35	38	-	43	25	31	2	-
Mar	46	26	1	31	12	23	1	8
Apr	37	46	3	46	17	18	1	-
May	31	113	1	72	27	15	1	-
June	51	114	2	47	24	25	3	20
July	29	168	-	50	25	23	5	-
Aug	32	213	-	41	27	25	5	3
Sept	48	68	1	102	27	59	2	7
Oct	53	53	-	52	17	22	-	9
Nov	66	17	1	45	24	17	1	28
Dec	19	11	-	23	6	3	4	6
TOTAL	469	902	11	608	257	299	25	109

Other activities and projects that continued or were initiated in 2006 included:

- *The provision of outreach library service to other health units in our region.* The introduction of the Virtual Library on the Public Health Ontario Portal in February, 2006 provided a new tool for staff at all public health units in Ontario to access electronic journals and databases.

- ***Launch of the Virtual Library.*** In January 2005 OPHLA submitted to Dr. Sheela Basrur, Chief Medical Officer of Health & Assistant Deputy Minister, a document entitled *Proposal for Funding of Information Resources for all Ontario Public Health Units*. This proposal was successfully concluded with the announcement from the Public Health Division in February, 2006 of the Virtual Library on the Public Health Ontario Portal. The tool provides exclusive access for Ontario Public Health Unit staff to several electronic databases and electronic journals, and full-text access to many articles in these journals.
- ***Library orientation sessions throughout the year*** for new staff and volunteers, nursing students and dietetic interns, as well as training session for staff on the Public Health Portal.
- ***Regular biannual meetings of the Library Committee***
- ***Membership in the Ontario Public Health Libraries Association (OPHLA).*** Melanie attended the Association's annual meetings in May at Toronto Public Health. Jean Dryden provided a session on copyright and Matthew Stern from the PHIIT Office, Public Health Division reviewed the goals of the Public Health Portal and introduced the group to new tools acquired by the Portal. Maureen Dobbins gave a presentation entitled, *Health-evidence.ca and Knowledge Dissemination / Role of the Public Health Librarian*. In December, Melanie completed her 2nd of a two year term as Association secretary.
- ***Quarterly submissions to The Patter staff newsletter*** on new library resources and services.
- ***Continued partnership with Bracken Health Sciences Library*** for enhanced health information resources and services to KFL&A Public Health professional staff.
- ***Software upgrade to Inmagic Genie,*** software of the PHRED Library Union Catalogue.
- ***A Library Survey*** in fall 2006 to gauge staff perceptions and use of library services and resources. A report was produced in November 2006 and will be reviewed by the Library Committee and used as a planning tool for library services.
- ***Collaboration with the OPHLA Index Working Group*** for the Public Health Ontario portal (PublicHealthOntario.ca). The assignment was to develop comprehensive taxonomies for each of the "Program" sections on the Portal. Melanie was assigned the taxonomy for the Family Health program area. The completed document, *Taxonomies for Public Health Programs on the Portal*, was submitted to PHIIT in June 2006.
- ***An area in the library devoted to resources on mental health and workplace wellness,*** as requested by the Up Your Health workplace wellness committee.

Dissemination

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 2006 by KFL&A Public Health Staff.

Peer-Reviewed Publications

Brophy, J.M., **Lévesque, L.E.**, & Zhang, B. (2007). The coronary risk of cyclooxygenase-2 inhibitors in patients with a previous myocardial infarction. *Heart*, 93(2), 189-94.

Chambers, L.W., Ehrlich, A. & **O'Connor, K.S.**, Edwards, P., Hockin, J. (2006). Health surveillance: an important tool to protect and promote the health of the public. *Canadian Journal of Public Health* 97(3), special insert.

Delaney, J.A.C., **Lévesque, L.E.**, Etminan, M., & Suissa, S. (2006). Furosemide use and hospitalization for benign prostatic hyperplasia. *Canadian Journal of Clinical Pharmacology*, 13(1), e75-e80.

DeWolfe, J.A. (in press). A comparison of dietary folate intake of older adults before and after mandatory fortification of grain products with folic acid in Canada. *Canadian Journal of Dietetic Practice and Research*.

Gemmil, I.M. (2006). Mumps vaccine: Is it time to re-evaluate our approach? [Editorial]. *Canadian Medical Association Journal*, 175(5), 491-2.

Gemmil, I.M. (2006). Mandatory influenza immunization for health care providers. [Editorial]. *Canadian Journal of Public Health*, 97(2), 86-7.

Hemmelgarn, B., **Lévesque, L.E.**, & Suissa, S. (2006). Anti-diabetic drug use and the risk of motor vehicle crash in the elderly. *Canadian Journal of Clinical Pharmacology* 2006, 13(1), e112-e120.

Lévesque, L.E., Brophy, J.M., & Zhang, B. (2006). Time variations in the risk of myocardial infarction among elderly users of COX-2 inhibitors. *Canadian Medical Association Journal*, 174(11), 1563-9.

Mancini, G.B., Etminan, M., Zhang, B., **Lévesque, L.E.**, FitzGerald, J.M., & Brophy, J.M. (2006). Reduction of morbidity and mortality by statins, angiotensin-converting enzyme inhibitors, and angiotensin receptor blockers in patients with chronic obstructive pulmonary disease. *Journal of the American College of Cardiology*, 47(12), 2554-60.

Schneider, V., Lévesque, L.E., Zhang, B., Hutchinson, B., & Brophy, J.M. (2006). Association of selective and conventional nonsteroidal antiinflammatory drugs with acute renal failure. *American Journal of Epidemiology*, 164(9):881-9.

Traynor MM, Holowaty PH, Reid DJ & Gray-Donald K. (2006). Vegetable and fruit food frequency questionnaire serves as a proxy for quantified intake. *Canadian Journal of Public Health*, 97(4), 286-90.

Abstracts - Published

Lévesque, L.E., Brophy, J.M., & Zhang, B. (2006). Variability of cardiovascular risk in observational studies of Nonsteroidal Antiinflammatory Drugs (NSAIDs): The role of calendar time bias. *Pharmacoepidemiology and Drug Safety*, 15(Suppl.1), S60. (Recipient of the “Best Methods Abstract” Award)

Lévesque, L.E., Delaney, J.A.C., & Suissa, S. (2006). Pharmacologic interventions for the prevention of Alzheimer’s disease: An example of reverse protopathic bias. *Pharmacoepidemiology and Drug Safety*, 15(Suppl.1), S31.

Lévesque, L.E., Dell’Aniello, S., Barhdadi, A., & Suissa, S. (2006). An approach to quantifying confounding by indication due to missing information. *Pharmacoepidemiology and Drug Safety*, 15(Suppl.1), S87.

Lévesque, L.E., Dell’Aniello, S., Barhdadi, A., & Suissa, S. (2006). Quantifying confounding by indication bias due to missing information: A simulation study. *Biometrics*, 62.

Summary Statements

O’Connor, K. (2006) *Summary Statement of a Systematic Review: Home visits for women with an alcohol or drug abuse problem*. Hamilton: Effective Public Health Practice Project.

Sinclair, S. (2006). *Summary Statement of a Systematic Review: Vaccines for preventing influenza in healthy children*. Hamilton: Effective Public Health Practice Project.

Stewart, S. (2006). *Summary Statement of a Systematic Review: Red-light cameras for the prevention of road traffic crashes*. Hamilton: Effective Public Health Practice Project.

Poster Presentations

Barr, D. (2006, October). Volunteer involvement in Public Health. *Ontario Public Health Association Conference 2006*. Cornwall, ON.

DeWolfe, J. (2006, June). A comparison of dietary folate intake of older adults before and after mandatory fortification of grain products with folic acid in Canada. *2006 Dietitians of Canada National Conference*. Halifax, NS.

Lévesque, L.E., Dell'Aniello, S., Barhdadi, A., & Suissa, S. (2006, July). Quantifying confounding by indication bias due to missing information: A simulation study. *XXIII International Biometric Conference*. Montréal, QC.

Lévesque, L.E., Dell'Aniello, S., Barhdadi, A., & Suissa, S. (2006, August). An approach to quantifying confounding by indication due to missing information. *22nd International Conference on Pharmacoepidemiology*. Lisbon, Portugal.

Naylor, A., Baker-Barill, C., & Kosmack, D. (2006, July). Ontario Youth Take Action. *13th World Conference on Tobacco or Health*. Washington, DC.

Stewart, S., & Edwards, C. (2006, February). Evaluation of a post-secondary "Every Drink is a Choice" poster campaign. *FOCUS / ODAP Symposium*. Toronto, ON.

Oral Presentations

Barr, D. (2006, October). Volunteer involvement in Public Health. *Ontario Public Health Association Conference 2006 AGM*. Cornwall, ON.

Culmer, L. (2006, March). Stay on Your Feet falls prevention program. *Ontario Seniors Secretariat Workshop. – Building Capacity: A Workshop for Seniors Organizations*. Toronto, ON.

Culmer, L. (2006, May). Stay on Your Feet falls prevention program. *Durham Networking Day, Eastern Region Injury Network*. Whitby, ON

Culmer, L. (2006, June). Stay on Your Feet falls prevention program. *Nursing Research Day*. Kingston, ON.

Culmer, L. (2006, October). Stay on Your Feet falls prevention program. *Brockville Falls Coalition*. Brockville, ON.

Culmer, L. (2006, November). Stay on Your Feet falls prevention program. *Gerontology Nurses Association Conference*. Kingston, ON.

Edwards, C. (2006, February). Branding the FOCUS community program. *FOCUS / ODAP Symposium*. Toronto, ON.

Edwards, C. (2006, May). Overview of Shock Factor: A student leadership conference in Kingston, Ontario. *Canadian Youth Against Impaired Driving Conference*. Oakville, ON.

Hare, K., & Mortimer, A. (2006, December). Generation empowered: Youth speak out on tobacco. *Ontario Tobacco Control Conference*. Niagara Falls, ON.

- Howard, C. (2006, January). Workplace wellness. *Kingston Area Association of Administrators of Volunteers*. Kingston, ON.
- Jeswiet, J. (2006, November). Not just the blues: Supporting women with postpartum depression. *Ontario Early Years Centre Kingston Annual Conference: All Bout Children*. Kingston, ON.
- LeBlanc, N. (2006, June). How to identify and support preschool children at risk for communication difficulties. *Family Literacy Conference*. Kingston, ON.
- Lévesque, L.E. (2006, February) Playing with numbers: Understanding study results. *The Ottawa Valley Regional Drug Information Conference - Update 2006*. Ottawa, ON.
- Lévesque, L.E. (2006, March). Pharmacologic interventions for the prevention of Alzheimer's disease: An example of reverse protopathic bias. *Research Seminar, Division of Clinical Epidemiology, Montreal General Hospital, McGill University*. Montréal, QC.
- Lévesque, L.E. (2006, May). Understanding the marketing data. *McGill University Health Centre (MUHC) 37th Annual Course in Drug Therapy*. Montréal, QC.
- Lévesque, L.E. (2006, May). Why do we need drug reps? *McGill University Health Centre (MUHC) 37th Annual Course in Drug Therapy*. Montréal, QC.
- Lévesque, L.E. (2006, August). Jongler avec les chiffres: comprendre les résultats des études. *Canadian Society of Hospital Pharmacists (CSHP) Annual General Meeting 2006*. Montréal, QC.
- Lévesque, L.E. (2006, August). Pharmacologic interventions for the prevention of Alzheimer's disease: An example of reverse protopathic bias. *22nd International Conference on Pharmacoepidemiology*. Lisbon, Portugal.
- Lévesque, L.E. (2006, August). Variability of cardiovascular risk in observational studies of Nonsteroidal Anti-inflammatory Drugs (NSAIDs): The role of calendar time bias. *22nd International Conference on Pharmacoepidemiology*. Lisbon, Portugal.
(Recipient of the "Best Methods Abstract" Award)
- Lévesque, L.E. (2006, October). Observational studies of drugs for the prevention of Alzheimer's disease: An example of reverse protopathic bias. *Department of Community Health & Epidemiology, Research in Progress Seminar, Queen's University*. Kingston, ON.
- Lévesque, L.E. (2006, October). Playing with numbers: Understanding study results. *Canadian Diabetes Association CDA / CSEM Professional Conference and Annual Meeting*. Toronto, ON.
- Lévesque, L.E. (2006, December). The cardio-renal risks of COX-2 inhibitors: A case study in human toxicology. *Department of Pharmacology and Toxicology Research Seminar, Queen's University*. Kingston, ON.

- McBride, C. (2006, April). Advocacy 101: Taking action on alcohol ads. *Eastern Region Injury Prevention Network (ERIN) Annual Conference*. Perth, ON.
- McWilliam, D. (2006, May). Tobacco enforcement: Local / regional focus. *Smoke-Free Ontario Enforcement Workshop*. Kingston, ON.
- McWilliam, D. (2006, December). Hot spots in SFO enforcement. *Ontario Tobacco Control Conference*. Niagara Falls, ON.
- Naylor, A. (2006, October). Ontario Youth Take Action. *Ontario Public Health Association Conference 2006*. Cornwall, ON.
- O'Connor, K. (2006, June). 2005 Evaluation of the Rapid Risk Factor Surveillance System (RRFSS). *5th Annual RRFSS Workshop*. Toronto, ON.
- Paterson, L. (2006, August). Limited Space – DPA. *Additional Teacher Qualifications Course*. Gananoque, ON.
- Paterson, L. (2006, August). Safety Guidelines. *Additional Teacher Qualifications Course*. Gananoque, ON.
- Paterson, L. (2006, August). Shake it up – DPA. *QDPE Conference*. Gananoque, ON.
- Paterson, L. (2006, September). Intermediate DPA. *Ontario Physical and Health Education Association Conference*. Alliston, ON.
- Sinclair, S. (2006, October). New cervical screening database in Southeastern Ontario. *APHEO Annual Conference 2006, Key Databases in Public Health: An Epi's Guide to the Galaxy*: London, ON.
- Sinclair, S. (2006, October). New cervical screening database in Southeastern Ontario. *Regional Cancer Prevention and Screening Network for Southeastern Ontario*. Belleville, ON.
- Skinner, M., & Short, M. J. (May, 2006). The dark side of tanning. *Regional Oncology Nursing Council Conference*. Kingston, ON.
- Stewart, S., & McBride, C. (2006, February). The CAGE+2+Y screening tool for physicians. *FOCUS / ODAP Symposium*. Toronto, ON.
- Vine, D. (2006, May). HPV and the link with cervical cancer. *Regional Oncology Nursing Council Conference*. Kingston, ON.

Reports

Dittburner, M., Goldblatt, E., Kemp, H., McArthur, A., Murray, B., Pach, B., Picheca, L., Sisler, P., Tysl, Y. (2006, June). Taxonomies for Public Health Programs on the Portal. Hamilton, ON: Ontario Public Health Libraries Association (OPHLA).

PHRED Program of Kingston, Frontenac and Lennox & Addington Public Health (2006). *Evaluation of KFL&A Public Health's "Drive for Life" program*. Kingston, ON: Author.

PHRED Program of Kingston, Frontenac and Lennox & Addington Public Health (2006). *Evaluation of the mothers helping mothers support group*. Kingston, ON: Author.

PHRED Program of Kingston, Frontenac and Lennox & Addington Public Health (2006). *Family enrichment program*. Kingston, ON: Author.

PHRED Program of Kingston, Frontenac and Lennox & Addington Public Health (2006). *Parental satisfaction with early expressions speech and language preschool services*. Kingston, ON: Author.

PHRED Program of Kingston, Frontenac and Lennox & Addington Public Health (2006). *A pilot study to evaluate physicians' response to the health professionals' screening tool for alcohol use "CAGE+2+Y"*. Kingston, ON: Author.

PHRED Program of Kingston, Frontenac and Lennox & Addington Public Health (2006). *RRFSS in KFL&A January – December 2005*. Kingston, ON: Author.

RRFSS Evaluation Group (2006). *An evaluation of the Rapid Risk Factor Surveillance System (RRFSS): A system to collect public health surveillance data in Ontario*. Kingston, ON: Public Health Research, Education and Development Program.

Staff Development

Staff development is an important component of Quality Assurance, and an important role for PHRED. PHRED coordinates a series of in-house seminars, “RED 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, 2006

Presenter	TOPIC	Date
Ms. Cathy Howard	Workplace Wellness Report Card: Does KFL&A Public Health Make the Grade?	January 16, 2006
Dr. Ian Janssen	The Public Health Perspective on the Obesity Pandemic in Canada	February 9, 2006
Ms. Deanna Cole-Benjamin	Deep Brain Stimulation Surgery for the Treatment of Depression	March 2, 2006
Ms. Susan Stewart	Why do People Behave the Way they do? Theories of Health Behaviour	April 4, 2006
Mr. Justin Chenier	Radio in Kingston: Who's Tuned into What?	May 24, 2006
Ms. Lisa Peterson	Improving Food Options in the Cafeteria of a Local Secondary School	June 20, 2006
Ms. Lori Short-Zamudio (Southeastern Ontario Dietetic Interns)	An Assessment of a Menu Planning Tool	
Ms. Suzanne Sinclair	Hey! What's Going On Around Here? Local 2005 RRFSS Data	September 25, 2006
Ms. Linda Lévesque	The Vioxx Story: Death of a Wonder Drug?	October 23, 2006
Ms. Susan Stewart	Ten Great Public Health Achievements in the Last Century	November 13, 2006

PHRED Staff 2006

Judy DeWolfe, PhD, RD	Research Associate
Melanie Dittburner	Library
Linda Lévesque, BScPhm, MSc, PhD (Cand.)	Research Scientist
Julia McBride	Research Assistant
Kathleen O'Connor, PhD	Director
Karen Scott, MSc	Research Associate
Lynn Serson	Support
Suzanne Sinclair, MSc	Epidemiologist
Susan Stewart, MA	Research Associate
Marie Traynor, MSc, PHEc, RD	Research Associate