

Research and Education Division

2010 Annual Report

Research and Education Division
Kingston, Frontenac and Lennox & Addington Public Health



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Director's Report

In 1990 the Kingston, Frontenac and Lennox & Addington (KFL&A) Health Unit became a Teaching Health Unit. The Teaching Health Unit program was established and funded by the Ministry of Health and Long Term Care to provide sites for training of future public health professionals and the conduct of applied public health research. In 1997 its name was changed to the Public Health Research, Education and Development (PHRED) Program, and its mission was extended to providing regional, rather than local, resources in the areas of research and education. However, the downloading of public health funding from the provincial to the local level in 1998 prevented this vision from becoming fully realized.

The inquiry into SARS in 2004 by David Walker¹ resulted in a recommendation to set up an Ontario Health Protection and Promotion Agency. This concept was further developed by the Agency Implementation Task Force, which recommended that the “Agency should provide the following functions or services as part of its program areas: surveillance and epidemiology; research; knowledge exchange; specialized laboratory diagnostics; professional development; and communication”². The alignment of the PHRED mandate with several of the goals of the Ontario Agency led the Capacity Review Committee³ to recommend that PHRED funding be transferred from the level of local public health to the proposed, new Ontario Agency. This transfer of funds was accomplished at the end of 2010.

And so, the close of 2010 saw also the close of the PHRED program at the local level and at KFL&A Public Health. PHRED funding will continue to fund activities related to education, applied public health research and knowledge dissemination, but through the work of the Ontario Agency for Health Protection and Promotion. KFL&A Public Health staff continue to be involved, through committee membership, in determining how these funds can best be used.

In the past, work related to the provincial PHRED program comprised about half of the activity of research staff at KFL&A Public Health staff, with the other half focused on education, program evaluation and applied research at the local level. These continue today under the name of the Research and Education Division of KFL&A Public Health.

These activities have always been important, but are even more fully recognized with the implementation of the Ontario Public Health Standards (2008)⁴. The Standards contain a *Foundational Standard*, which describes and makes explicit four groups of activities which are fundamental to the practice of public health programs and services. These are population health assessment, surveillance, research and knowledge exchange, and program evaluation. Each kind of activity provides a class of information necessary for the development of evidence-based, public health programs designed to best meet the needs of target populations. They “underlie and support” the *Program Standards* of the Ontario Public Health Standards.

The commitment of KFL&A Public Health is “to provide public health programs and services of the highest quality”. The development of high quality programs and

services requires thorough assessments of community needs and assets, accurate surveillance data, and extensive investigation into the findings of existing studies. Ongoing program evaluation ensures that programs and services are provided as intended and achieve their objectives as efficiently as possible. It is to the provision of these services that the Research and Education Division is committed.

With the discontinuation of the PHRED program, the nature of activities of the Research and Education Division may change slightly, but their focus will remain as it always has been—to support program staff and the public health system in the development of exemplary public health programs and services, to contribute to the continuing education of public health practitioners through the dissemination of research findings, and to contribute to the education and recruitment of future public health professionals by facilitating an exceptional learning experience.

Our activities in these areas in 2010 are outlined in this annual report. It is my pleasure to present the Annual Report for the Research and Education Division for 2010.

Sincerely,

Kate O'Connor,

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

¹Expert Panel on SARS and Infectious Disease Control, Walker D. *For the public's health: a plan of action. Final Report.* Toronto, ON. SARS Expert Panel Secretariat. Ontario Ministry of Health and Long-Term Care; 2004.

²The Agency Implementation Task Force. Building an Innovative Foundation: A plan for Ontario's New Public Health Agency. Part One. Available at http://www.health.gov.on.ca/english/public/pub/ministry_reports/agency_05/agency_05.pdf.

³The Capacity Review Committee. Revitalizing Ontario's public health capacity: the final report of the Capacity Review Committee. Queen's Printer for Ontario, 2006.

⁴Minister of Health and Long Term Care. Ontario Public Health Standards 2008. Available at http://www.health.gov.on.ca/english/providers/program/pubhealth/oph_standards/ophs/progstds/pdfs/ophs_2008.pdf

*Surveillance and Applied Public Health
Research*

Surveillance and Population Health Assessment

Completed in 2010

Survey of KFL&A Family Physicians regarding the 2009 Pandemic H1N1 Influenza Immunisation Campaign

Description: This is an exploratory study to solicit information from KFL&A family physicians in order to improve KFL&A Public Health's emergency response and pandemic plan for future situations. Primary care physicians were a key partner in the pandemic response and as such can provide valuable feedback to improve the existing emergency response and pandemic plan. The survey covers such topics as communication channels, immunization practice, and division of responsibility during a pandemic.

Investigators: Ian Gemmill, Adrienne Hansen-Taugher, Karen Scott, Kathleen O'Connor

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

Funding: Internal

H1N1 Debrief Survey

Description: As part of the H1N1 After Action Review process, this evaluation examines KFL&A staff and volunteer perceptions of the agency's response to the pandemic.

Investigators: Adrienne Hansen-Taugher, Valerie Stenzl, Darlene Mecredy, Kris Millan, Kathleen O'Connor, Daphne Mayer

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

Funding: Internal

Injuries Resulting from Motor Vehicle Collisions Seen at Kingston General Hospital from 1999 to 2008

Description: This report presents an analysis of data from a summary of all hospital admissions to the regional trauma centre, located at Kingston General Hospital, for injuries sustained in motor vehicle collisions for the years 1999 through 2008.

Investigators: Matthew Hodgetts, Suzanne Sinclair, Kathleen O'Connor

Research and Education Staff: Matthew Hodgetts, Suzanne Sinclair, Kathleen O'Connor

Funding: Internal

Children and Youth Community Profiles: Health Indicators for Children and Youth in the South East Region, 2010

Description: United Way partnered with local public health agencies, District School Boards and various children's services groups to provide information on the health and wellness of children and youth in the South East Region. KFL&A Public Health provided tables on body mass index, physical activity, sedentary activities, fruit and vegetable intake, asthma, injuries, learning disabilities, smoking, alcohol consumption, live births, low birth weight, pre-term births, therapeutic abortions, teen pregnancy, smoking during pregnancy and intention to breastfeed.

Investigators: United Way

Research and Education Staff: Suzanne Sinclair

Kingston & Area's Vital Signs 2010

Description: Kingston & Area's Vital Signs 2010 is an annual community checkup conducted by community foundations across Canada, coordinated nationally by Community Foundations of Canada. Its purpose is to help members of the Kingston community to recognize what is done well so that these activities can be supported, and to identify areas where improvements are needed. KFL&A Public Health provided tables on obesity and physical activity in adults, and smoking in youth.

Investigators: Community Foundation for Kingston and Area

Research and Education Staff: Suzanne Sinclair

Ongoing in 2010

An Infant Feeding Survey in Kingston, Frontenac and Lennox & Addington (KFL&A)

Description: This study follows 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, Deanna Cole-Benjamin

Research and Education Staff: Suzanne Sinclair, Peter Janiszewski, Kathleen O'Connor

Funding: Internal

Start and Anticipated Completion Dates: October, 2007 – July, 2011

Active Transportation Survey

Description: The purpose of this survey is to document current patterns of active transportation use of city of Kingston residents and to identify active transportation barriers and facilitators. The survey is being administered in four seasons-- spring, summer, fall, and winter.

Investigators: Daphne Mayer, Kathleen O'Connor, Anne MacPhail, Kingston Coalition for Active Transportation

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

Funding: Ministry of Health Promotion and Sport (hearts@work, Healthy Communities Fund Partnership - \$40,000) and internal funding

Start and Anticipated Completion Dates: November, 2008 – December, 2011

Greater Kingston Area Boating Survey

Description: The purpose of this survey is to gather information that can be compared to information collected in a similar survey, done in 1994. This comparison will be used in planning health promotion and injury prevention programs.

Investigators: Karen Scott, Cathy Edwards, Safe and Sober Community Alliance

Research and Education Staff: Karen Scott

Funding: Internal

Start and Anticipated Completion Dates: June, 2009 – June, 2011

The Perspectives of Primary Care Physicians on Childhood Immunization

Description: This is an exploratory study to solicit information from KFL&A family physicians regarding their childhood immunization practices. This survey gathers information that will assist KFL&A Public Health in determining how to best support family physicians to reach target vaccine coverage rates for childhood vaccine preventable diseases.

Investigators: Ian Gemmill, Glenn Brown, Karen Scott, Kathleen O'Connor

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

Funding: Internal

Start and Anticipated Completion Dates: June, 2010 – June, 2011

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 uses 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 injury prevention initiatives such as educational presentations to parents and caregivers.

Investigators: Casey Walters Gray, Rebecca Wickson, Suzanne Sinclair

Research and Education Staff: Suzanne Sinclair

Funding: Internal

Start and Anticipated Completion Dates: November, 2008 – July, 2011.

Program Development and Evaluation

Completed in 2010

Evaluation of the Motiv8 Holiday Challenge

Description: The purpose of this outcome evaluation was to assess the impact and effectiveness of a web-based initiative to encourage residents of KFL&A to avoid weight increases over the holiday period.

Investigators: Debra Vine, Karen Scott

Research and Education Staff: Karen Scott

Funding: Internal

Pilot of "Under COOKstruction" Food Skills School Health Program

Description: A formative evaluation was conducted to gather information during the early developmental phase of the Under COOKstruction program. The evaluation included an assessment of the feasibility of program implementation, the appropriateness and acceptability of the program content and methods, and a simple measure of the immediate impact on participants' skills and knowledge.

Investigators: Lisa Munday, Karen Scott

Research and Education Staff: Karen Scott

Funding: Internal

Stakeholder Input into Motiv8 Messaging: Watch Less TV and Make Meals at Home

Description: Focus groups were held with adults aged 20 to 44 years to solicit their input on the facilitators and barriers to watching less TV and making meals at home. The results were used to develop effective messaging for a health communication campaign.

Investigators: Suzette Taggart, Deb Vine, Marie Traynor, Karen Scott

Research and Education Staff: Marie Traynor, Karen Scott

Funding: Internal

Stakeholder Input into Motiv8 Messaging: Enjoy more Vegetables and Fruit and Be Active Every Day

Description: Focus groups were held with adults aged 20 to 44 years to solicit their input on the facilitators and barriers to increasing vegetable and fruit consumption and increasing daily activity. The results were used to develop effective messaging for a health communication campaign.

Investigators: Suzette Taggart, Deb Vine, Marie Traynor, Karen Scott

Research and Education Staff: Marie Traynor, Karen Scott

Funding: Internal

PlasmaCar Pilot Project

Description: The aim of this process evaluation was to obtain student feedback about the appropriateness of the use of a PlasmaCar as a teaching aid for the secondary school population. This helps to determine the activity's potential fit with KFL&A Public Health's Drive for Life program, or other injury prevention programs targeting young teens.

Investigators: Lynn MacKinder, Kelly Johnson, Janine Monahan, Daphne Mayer

Research and Education Staff: Daphne Mayer

Funding: Ontario Ministry of Transportation (2009 Road Safety Challenge)

Evaluability Assessment for an Internal ECO Committee

Description: An evaluability assessment was conducted to explore the evaluation readiness of a workplace initiative lead by the ECO committee. The ECO goal is to develop a workplace culture that supports environmental stewardship for the entire membership, including the Board, management, staff, volunteers and students. The project defined the evaluation focus, confirmed goals and objectives, and created a program logic model.

Investigators: Marie Traynor, Kathleen O'Connor

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

Funding: Internal

Evaluation of the Take Control Group Series: Part 1 A Process Evaluation

Description: This project evaluated a new group format of KFL&A Public Health's Take Control smoking cessation program. The evaluation included an assessment of both process and outcome indicators.

Investigators: Nancy Melville, Daphne Mayer

Research and Education Staff: Daphne Mayer

Funding: Internal

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, Christian Keresztes, Kathleen O'Connor

Funding: Internal

Ongoing in 2010

Bicycle Rack Initiative: A Pilot Project

Description: The purpose of this impact evaluation is to determine if the installation of bicycle racks has an effect on the use of cycling as a mode of active transportation to school.

Investigators: Debbie O'Grady, Janine Monahan, Daphne Mayer

Research and Education Staff: Daphne Mayer

Funding: Internal

Start and Anticipated Completion Dates: April, 2009 – February, 2011

Evaluation of For Your Health

Description: The purpose of this project is to develop a program logic model, and from this to develop an evaluation plan for comprehensive workplace health promotion at KFL&A Public Health.

Investigators: Megan Laan, Stephanie Blasko, Joanne Morrissey, Brenda O'Neill

Research and Education Staff: Christian Keresztes

Funding: Internal

Start and Anticipated Completion Dates: September, 2010 – September, 2011

Evaluation of the Child and 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 an evaluation of the BabyTalk telephone line.

Investigators: Heather Dickson, Connie Wowk, Karen Scott

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

Funding: Internal

Start and Anticipated Completion Dates: November, 2008 – December, 2011

Evaluation of the Child and BabyTalk Drop-Ins: Preparation of an Evaluation Plan

Description: The purpose of this project is to update goals and objectives and to develop an evaluation framework and design for the BabyTalk Drop-In service.

Investigators: Jennifer Hurst-Fraser, Deanna Cole-Benjamin, Cindy McKegey, Joan Black, Alison Bradshaw, Connie Wowk, Christian Keresztes

Research and Education Staff: Christian Keresztes

Funding: Internal

Start and Anticipated Completion Dates: August, 2010 – December, 2011

Early Expressions Parent and Provider Satisfaction Survey

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

Evaluation of Healthy Weights, Healthy Lives Initiative

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 addresses 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

Applied Public Health Research

Ongoing in 2010

Wind Turbines and Health: A Modified Scoping Review

Description: The study is a modified scoping review of the health effects of residential proximity to wind turbines. Published and grey literature, and internet sources are being reviewed for information on the health effects of wind turbines, drawing also on literature about similar noise related health effects and technical research on wind turbine sound production.

Investigators: Paul Masotti, Matthew Hodgetts

Research and Education Staff: Paul Masotti, Matthew Hodgetts

Funding: Internal

Start and Anticipated Completion Dates: June, 2009 to May, 2011

Public Health Responses to the H1N1 Outbreak. Stakeholder perceptions and policy suggestions relating to resources, planning, implementation, vulnerable populations, mass vaccination program and collaboration/integration with primary healthcare.

Description: In the 2009 H1N1 outbreak, Medical Officers of Health directed responses at the 36 Ontario Public Health Units (PHUs). Individual pandemic response plans were guided by both the Canadian Pandemic Influenza Plan and the Ontario Plan for Influenza Pandemic. Development and implementation of individual plans involved different degrees of consultation and participation from key community partners such as primary care, acute care, long-term care and community care providers. Although guided by the Ontario and Canadian plans, individual PHU plans varied by key characteristics and were influenced by different external factors which affected outcomes including stakeholder perceptions. This study gathers stakeholder perceptions and policy suggestions relating to five key characteristics of Ontario PHU Pandemic Influenza plans: i) resources, ii) planning and implementation, iii) vulnerable populations, iv) mass immunization and v) collaboration with health providers.

Investigators: Paul Masotti, Richard Birtwhistle, Ian Gemmill, Michael Green, Kieran Moore, Kathleen O'Connor

Research and Education Staff: Paul Masotti, Kathleen O'Connor

Funding: Canadian Institutes of Health Research (\$93,456)

Start and Anticipated Completion Dates: May, 2010 to May, 2011

PHRED Research Scientist
Dr. Linda Lévesque

The position of Research Scientist was designed to expand and complement the research activities of KFL&A Public Health. Dr. Linda Lévesque is a pharmacoepidemiologist studying drug and vaccine safety. Her work contributes to the broader field of public health both nationally and internationally through peer-reviewed research and publication. In addition to holding the position of Research Scientist, Dr. Lévesque is 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 focus on the safe and effective use of medications within a population and public health context, and she specializes in post-marketing drug and vaccine safety evaluations. She has also carried out several studies to investigate and demonstrate the impact of research methodology on the validity of study results.

The scope and intensity of Dr. Lévesque's program of research is illustrated by the number of grants that have been awarded to her while in this position. In 2010 she was the recipient of three research grants, with one under review and six previous grants still active; these are described below. Her commitment to Queen's University includes contributions to the teaching of medical students as well as the supervision of graduate students. She is active on provincial, national and international committees to promote the safe and effective use of drugs and vaccines.

Dr. Lévesque's teaching activities are included in the ***Education*** section of this report, while papers, publications and presentations are captured under ***Dissemination***.

Research Grants: Received

- Title:** *The Short-Term Safety and Utilization of the Quadrivalent HPV Vaccine in Grade 8 Girls: The Ontario Cohort Study*
- Agency:** Ministry of Health and Long-Term Care – Drug Innovation Fund (MOHLTC-DIF)
- Role:** Principal Investigator and Co-author
- Amount:** \$218,835 (August 2010 – October 2012)
- Type:** Operating grant
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- Title:** *The Short-Term Safety and Utilization of the Quadrivalent HPV Vaccine in Grade 8 Girls: The Ontario Cohort Study*
- Agency:** Canadian Institutes of Health Research (CIHR)
- Role:** Principal Investigator and Co-author
- Amount:** \$159,723 (October 2010 – September 2012)
- Type:** Operating grant

Title: *Multiple medication use in the Québec elderly and the risk of motor vehicle crashes*
Agency: Canadian Institutes of Health Research (CIHR)
Role: Co-investigator and Co-author
Amount: \$271,489 (October 2010 – September 2013)
Type: Operating grant

Research Grants: Under Review

Title: *Oral hypoglycemic agents and the risk of cancer in older adults with type 2 diabetes: a population-based cohort study*
Agency: Canadian Institutes of Health Research, Institute of Population & Public Health (IPPH)
Role: Principal Investigator and Primary Author
Amount: \$381,088 (October 2010 – September 2012)
Type: Operating grant

Research Grants: Still Active

Title: *Cardiovascular outcomes of drug treatment for neuropathic pain and fibromyalgia: a population-based cohort study*
Agency: Canadian Institutes of Health Research, Institute of Population and Public Health (IPPH) Priority Announcement (PIA)
Role: Principal Investigator and Co-author
Amount: \$100,000 (April 2009 – March 2010)
Type: Operating grant

Title: *Establishment of the Pharmacoepidemiology and Economics Research Unit*
Agency: Canadian Foundation for Innovation – Infrastructure Operating Fund (CFI-IOF)
Role: Principal Investigator and Primary Author
Amount: \$140,852 (July 2009 – March, 2014)
Type: Infrastructure operating grant

Title: *HPV quadrivalent vaccine: a post-marketing safety evaluation*
Agency: Kingston, Frontenac and Lennox & Addington (KFL&A) Public Health
Role: Principal Investigator
Amount: \$30,000 (December 2008 – November 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 and Co-author
Amount: \$176,300 (April 2008 – March 2010)
Type: Operating 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 and Primary Author

Amount: \$205,496 (April 2007 – March 2010)

Type: Operating grant

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 2006 – September 2011)

Type: Operating grant

External Committees

Member, Ontario HPV Vaccine Prevention Evaluation Committee (OHPEC)

Member, Canadian Vaccine Safety Technical Advisory Committee, Public Health

Agency of Canada

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

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

Member, Special Interest Group (SIG) for Biologics and Vaccines, International Society for Pharmacoepidemiology

Externally Funded Research Projects

A summary of projects funded through research grants obtained by Research and Education staff members during the year 2010 is contained in the following table. External research funds totalled nearly \$2.0 million.

Summary of Research Funding Obtained or Requested in 2010

Staff Member	Source of Grant	Field of Study	Term of Grant	Amount of Grant
Grants Carried Over into 2010				
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	Anti-thrombotic Treatment	2007-2010	\$205,496
L. Lévesque	CFI-IOF	Pharmacoepidemiology and Economics Research Unit	2009-2014	\$140,852
L. Lévesque	CIHR	Cardiovascular outcomes of drug treatment for neuropathic pain and fibromyalgia	2009-2010	\$100,000
Grants Obtained in 2010				
L. Lévesque	MOHLTC-DIF	HPV Vaccine Safety	2010-2012	\$218,835
L. Lévesque	CIHR	HPV Vaccine Safety	2010-2012	\$159,723
L. Lévesque	CIHR	Multiple Medication Use in the Quebec Elderly and the Risk of Motor Vehicle Crash	2010-2013	\$271,489
P. Masotti, K. O'Connor	CIHR	Public Health Response in Ontario to the H1N1 Outbreak	2010-2011	\$93,456
TOTAL				\$1,968,886
Funding Applications in 2010, Status Pending Review				
L. Lévesque	CIHR	Oral Hypoglycemic Agents and the Risk of Cancer	2010-2012	\$381,088

Knowledge Transfer

Contributions to the Field of Public Health

To the wider public health community, knowledge translation strategies include publications in peer-reviewed journals, unpublished reports and presentations at provincial and national conferences. The following list includes publications, external reports and presentations completed in 2010 by all KFL&A Public Health staff, including those working in divisions other than Research and Education.

Articles in Peer-Reviewed Publications

Dube E, Gilca V, Sauvageau C, Boulianne N, Boucher FD, Bettinger JA, McNeil S, **Gemmill IM**, Lavoie F, Ouakki M. Canadian family physicians' and paediatricians' knowledge, attitudes and practices regarding A(H1N1) pandemic vaccine. *BMC Res Notes*. 2010 Apr 14;3:102.

Lévesque LE, Hanley JA, Kezouh A, Suissa S. Immortal time bias in cohort studies: an example using statins for the prevention of diabetes progression. *BMJ*. 2010;340:b5087.

Masotti P, Fick R, **O'Connor K**. Healthy naturally occurring retirement communities: the need for increased collaboration between local Public Health Agencies and municipal government. *J Hous Elderly*. 2010; 24(3):249-66.

Smith LM, **Lévesque LE**, Nasr M, Perry AG. Validity of the Immunization Record Information System (IRIS) database for epidemiologic studies of the human papillomavirus (HPV) vaccine. *Can J Clin Pharmacol*. 2010;17(1):e123.

Articles in Peer-Reviewed Publications: Forthcoming

Ashbury J, **Lévesque LE**, Beck PA, Aronson KJ. A population-based case control study of Selective Serotonin Reuptake Inhibitors and breast cancer: the impact of duration of use, cumulative dose, and latency. *BMC Med*. Forthcoming 2011.

Lipscombe LL, **Lévesque LE**, Gruneir A, Fischer HD, Juurlink DN, Gill S, Herrmann N, Hux JE, Anderson GM, Rochon PA. Antipsychotic drugs and the risk of hyperglycemia in older adults without diabetes: a population-based observational study. *Am J Geriatr Psychiatry*. Forthcoming 2011.

Perry AG, **Moore KM**, **Lévesque LE**, Pickett W, Korenberg MJ. Forecasting emergency department visits for respiratory illness using system identification techniques in real-time syndromic surveillance systems. *Can J Public Health*. Forthcoming 2011.

Sangster Bouck M, St. Onge R, He M, Beynon C, Lemieux S, Khoshaba L, Stewart S. Process evaluation of a school-based fruit and vegetable program. *Can J Diet Pract Res*. Forthcoming 2011.

Smith LM, **Lévesque LE**. Were randomized control trials of human papillomavirus (HPV) vaccines powered to detect serious adverse events? *Chronic Dis Can*. Forthcoming 2011.

Wu J, Gill S, **Lévesque LE**. Representativity of patients with atrial fibrillation in antithrombotic trials. *Chronic Dis Can*. Forthcoming 2011.

Articles in Peer-Reviewed Publications: Submitted

Knapp A, Landy P, Mitchell AG, **Moore K**, Seaton F. Outbreak investigation: Clostridium botulinum food poisoning linked to home canning of food products. Submitted to *Can J Infect Control*.

Lévesque LE, Dell'Aniello S, Barhdadi A, Suissa S. Quantifying and correcting confounding by indication bias due to unmeasured risk factors: a simulation-based approach. Submitted to *Am J Epidemiol*.

Lévesque LE, Brophy JM, Dell'Aniello S, Suissa S. Comparative cardiovascular morbidity and mortality of oral hypoglycemic agents in older adults. Submitted to *JAMA*.

Masotti P, Hodgetts M. Vibroacoustic disease and wind turbines: diagnosis? Bad science, concerns not justified. Submitted to *CMAJ Salon*.

Masotti P, Hodgetts M. Wind turbines, vibroacoustic disease and the evidence: the need for a better response to public concerns. Submitted to *CMAJ*.

Smith LM, Brassard P, Kwong J, Deeks S, Ellis A, **Lévesque LE**. Factors influencing uptake and adherence of the quadrivalent human papillomavirus vaccine in an Ontario cohort of grade 8 girls. Submitted to *CMAJ*.

Abstracts in Peer-Reviewed Publications

Buscher L, Brown T, Eisenbraun E, **Traynor M**, Wyatt M. A train-the-trainer approach to preceptor education [abstract]. *Can J Diet Pract Res*. 2010;71(3):e59.

Kennedy GL, Aronson KJ, **Lévesque LE**. The effect of antidepressants on cardiovascular morbidity and mortality in older adults: a population-based cohort study [abstract]. *Pharmacoepidemiol Drug Saf*. 2010;19 Suppl 1: S239.

Lévesque LE, Brophy JM, Dell'Aniello S, Suissa S. Comparative cardiovascular morbidity and mortality of Metformin in older adults with diabetes: a population-based cohort study [abstract]. *Pharmacoepidemiol Drug Saf*. 2010;19 Suppl 1: S2.

Smith LM, Srighanthan J, Poon KK, **Lévesque LE**. Quality of reporting of harms in randomized controlled trials: an example using human papillomavirus (HPV) vaccines. *Pharmacoepidemiol Drug Saf*. 2010;19 Suppl 1: S191.

Invited Presentations: Oral

Armstrong A. CFA program and food skills. OSNPPH 2010 Nutrition Exchange; 2010 May; Niagara on the Lake, ON.

Armstrong A, Baldock J. Promoting healthy lifestyles. Southeastern Stroke Symposium: Best Practice Stroke Prevention and Care; 2010 Nov; Kingston, ON.

Belanger P. Syndromic surveillance. Small Hospital Summit; 2010 Sep; Sault Ste. Marie, ON.

Belanger P. Syndromic surveillance and EDSS. AOPHBA Conference; 2010 Sep; Owen Sound, ON.

Belanger P. Syndromic surveillance. 2010 York Region Education Day; 2010 Oct; Vaughan, ON.

Belanger P. Syndromic surveillance and geovisualization. CD Surveillance Network Education Day; 2010 Oct; Toronto, ON.

Bianchet S. Early expressions, preschool speech and language services: an overview. Queen's Family Medicine; 2010 Sep; Kingston, ON.

Dube A. Vos enfants ont-ils besoin d'aide à communiquer? Ontario Early Years Centre; 2010 Aug; Kingston, ON.

Gemmill I. pH1N1. Infectious Disease Rounds. Faculty of Medicine, Queen's University; 2010 Jan; Kingston, ON.

Gemmill I. pH1N1. Family Medicine Rounds. Department of Family Medicine, Queen's University; 2010 Feb; Kingston, ON.

Gemmill I. pH1N1. Research in Progress Seminar, Department of Community Health and Epidemiology, Queen's University; 2010 Mar; Kingston, ON.

Gemmill I. Immunization roundtable. Canadian Public Health Agency; 2010 Apr; Ottawa, ON.

Gemmill I. Vaccine research day. OAHPP; 2010 Apr; Toronto, ON.

Gemmill I. Adult immunization. Canadian Society of Pharmacology and Therapeutics 2010 AGM; 2010 Jun; Toronto, ON.

Gemmill I. HPV immunization. International HPV Conference; 2010 Jul; Montreal, QC.

Gemmill I. Adult vaccination for disease prevention. Ontario Pharmacy Association Annual Conference; 2010 Sep; Toronto, ON.

Gemmill I. Influenza assessment centres: models and issues. pH1N1 Implications for Practice, Policy and Research Symposium; 2010 Nov; Toronto, ON.

Goodland M. For the love of literacy. Deeply Rooted in Literacy Conference; 2010 Sep; Niagara on the Lake, ON.

Hansen-Taugher A. Mass immunization models: components and issues. pH1N1 Implications for Practice, Policy and Research Symposium; 2010 Nov; Toronto, ON.

Lévesque LE, Brophy JM, Dell’Aniello S, Suissa S. Comparative cardiovascular morbidity and mortality of Metformin in older adults with diabetes: a population-based cohort study. 26th International Conference on Pharmacoepidemiology and Therapeutic Risk Management; 2010 Aug; Brighton, England.

Lévesque LE, Kennedy GL, Aronson KJ. The effect of antidepressants on cardiovascular morbidity and mortality in older adults: a population-based cohort study. 26th International Conference on Pharmacoepidemiology and Therapeutic Risk Management; 2010 Aug; Brighton, England.

Lévesque LE, Brophy JM, Dell’Aniello S, Suissa S. Comparative cardiovascular morbidity and mortality of Metformin in Type II Diabetes. Research in Progress Seminar, Department of Community Health and Epidemiology, Queen’s University; 2010 Mar; Kingston, ON.

Masotti P. Overview project and methods. pH1N1 Implications for Practice, Policy and Research Symposium; 2010 Nov; Toronto, ON.

Moore K. Information and research needs. pH1N1 Implications for Practice, Policy and Research Symposium; 2010 Nov; Toronto, ON.

Thurston J, Vine D. Ongoing evaluation and collaboration of group behaviour change in a workplace health promotion program. Annual Nursing Research Conference; 2010 May; Kingston, ON.

Traynor M. A workplace environmental concerns program: assessing the evaluability of ECO initiatives. Canadian Evaluation Society - Ontario Chapter Annual Conference; 2010 Oct; Toronto ON.

Invited Presentations: Poster

Buscher L, Brown T, Eisenbraun E, **Traynor M**, Wyatt M. Focus on preceptors – Focus on Feedback[®]: a train-the-trainer approach to preceptor professional development. Dietitians of Canada Annual Conference; 2010 May; Montreal, QC.

Johnson K, MacKinder L. PlasmaCar event display. Countermeasures XVIII: Unlocking the Problem; 2010 Nov; Toronto, ON.

Knapp A, Landy P, Mitchell AG, **Moore K**, Seaton F. Outbreak investigation: Clostridium botulinum food poisoning linked to home canning of food products. CHICA National Education Conference; 2010 May; Vancouver, BC.

Smith LM, Srighanthan J, Poon KK, **Lévesque LE**. Quality of reporting of harms in randomized controlled trials: an example using human papillomavirus (HPV) vaccines. International Conference on Pharmacoepidemiology and Therapeutic Risk Management; 2010 Aug; Brighton, England.

Smith LM, **Lévesque LE**, Nasr M, Perry AG. Validity of the Immunization Record Information System (IRIS) database for epidemiologic studies of the human papillomavirus (HPV) vaccine. The Canadian Association for Population Therapeutics (CAPT) Annual Conference 2010; 2010 Mar; Toronto, ON.

Workshops

Gemmill I. Adult immunization. Eastern Ontario Infectious Diseases Workshop; 2010 Oct; Mont Tremblant, QC.

Melville N. Smoking Cessation Best Practices. PTCC Workshop; 2010 Sep; Ottawa, ON.

Melville N. Smoking Cessation Best Practices. PTCC Workshop; 2010 Sep; Cornwall, ON.

Melville N. Smoking Cessation Best Practices. PTCC Workshop; 2010 Sep; Belleville, ON.

Morrissey J. Preparing your child for Kindergarten: Strategies for parents to promote speech, language and literacy. Ontario Early Years Centre; 2010 Mar; Kingston, ON.

Morrissey J. Preparing your child for Kindergarten: Strategies for parents to promote speech, language and literacy. Ontario Early Years Centre; 2010 Nov; Kingston, ON.

Morrissey J. How parents can facilitate speech, language and literacy milestones. Food for You; 2010 Feb; Amherstview, ON.

Morrissey J. How parents can facilitate speech, language and literacy milestones. Food for You; 2010 Feb; Napanee, ON.

Morrissey J. How parents can facilitate speech, language and literacy milestones. Food for You; 2010 Aug; Amherstview, ON.

Morrissey J. How parents can facilitate speech, language and literacy milestones. Food for You; 2010 Aug; Napanee, ON.

Muis P. The Joint Agency Group: illegal tobacco control. Interprovincial and Territorial Investigations Workshop; 2010 Nov; Toronto, ON.

Traynor M. Focus on Feedback[©]. KFL&A Public Health; 2010 Jun; Kingston, ON.

Weber K. Setting boundaries. PCCC-Providence Care; 2010 Feb; Kingston, ON.

Weber K. Report on growing older: adding life to years: volunteering. Kingston Community Health Centre; 2010 Nov; Kingston, ON.

Internal Knowledge Transfer

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, “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. In addition, two workshops were held for KFL&A Public Health staff.

RED Hot Topics in Public Health

Presenter	TOPIC	Date
Justin Chenier	Who’s Tuned-in to What? Radio Listenership in Kingston	January 13
Mona Goodland	For the Love of Literacy	February 10
Stephanie Leavitt Jenny Munroe	Celebrate food...from field to table!	March 10
Paula Muis	Contraband Tobacco: The Joint Agency Group – A collaboration of enforcement agencies	April 14
Pam Landy Lindsay Nicholson	Beauty without the Beast: Protection from Infection in Personal Services Settings	May 12
Leah Smith	Safety and Usage of the HPV Vaccine in Grade 8 Girls: The KFL&A Experience	June 23
Dr. Graeme Smith	MIREC: Maternal-Infant Research on Environmental Chemicals	September 8
Moaz Choudhury	Physical activity, life satisfaction & other things...	October 13
Queen’s University 405 Nursing Students	Presentations of Nursing Student Projects: <ul style="list-style-type: none"> • <i>Making Waiting Worthwhile: A Sexual Health Waiting Room Presentation</i> • <i>Revision of Breastfeeding Beyond Six Months</i> • <i>Alcohol in the Media: Youth</i> 	November 10

Workshops

Melville N. RNAO Smoking Cessation Best Practice Guidelines. KFL&A Public Health; 2010 Apr; Kingston, ON.

Traynor M, Mayer D, Scott K. Evaluability Assessment Workshop. KFL&A Public Health; 2010 Jun; Kingston, ON.

Education

Southeastern Ontario Dietetic Internship Program

The Southeastern Ontario Dietetic Internship Program is designed to prepare competent entry-level dietitians. Over 43 weeks, 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. Graduates are eligible to write the Registered Dietitian license exam and to function effectively as part of an interdisciplinary group to optimize the nutritional status of individuals and population groups.

The program is accredited by Dietitians of Canada. A successful accreditation review took place in 2010, extending full accreditation status until 2017. This is indeed an accomplishment that speaks well to the strengths of the program.

Public Health has been the sponsoring agency for this program since 1993. In June 2010 six interns completed the program. In September 2010 six interns were accepted for the 2010-2011 year.

In addition to program coordination and sponsorship, KFL&A Public Health provides public health rotation experiences, professional development opportunities and program supports. This flagship program could not exist without its many internal and external partners which, in 2010, included:

Brockville General Hospital
Campbellford Memorial Hospital
Carveth Care Centre
College of Dietitians of Ontario
Community Primary Health Care Family Health Team
Country Roads Community Health Centre
Cleveland Clinic
Dietitians of Canada – Practice-Based Evidence in Nutrition Project (PEN)
Extendicare Kingston
Frontier College
Haliburton, Kawartha, Pine Ridge District Health Unit
Hastings and Prince Edward Counties Health Unit
Hastings Manor, Belleville
Helen Henderson Centre
Hotel Dieu Hospital
KFL&A Public Health
Kingston General Hospital
Kingston Regional Cancer Centre
Leeds, Grenville and Lanark District Health Unit
London Health Sciences
Maple Family Health Team
Maple View Lodge, Athens

Merrickville Community Health Centre
North Kingston Community Health Centre
Northumberland Hills Hospital
Perth and Smiths Falls District Hospital
Peterborough Family Health Team
Peterborough County-City Health Unit
Prince Edward Family Health Team
Providence Care - Mental Health Services
Queen's University - Bracken Health Sciences Library & the Clinical Education Centre
Quinte Healthcare Corporation
Rideau Valley Diabetes Services
Six Nations Health Services
Sodexo Kingston
Stratford Family Health Team
The Health Communication Unit, University of Toronto
Trillium Ridge Retirement Centre

Our heartfelt thanks go to all these agencies and their staff who supported the interns.

Preceptor Training

Evaluation of the Enhancing Your Preceptor Practice: Workshop Reach and Teach Kits

Description: Reach and Teach Kits addressing four areas of preceptor development were created in 2007: Promoting Critical Thinking, Providing Effective Feedback, Overcoming Conflicts and Challenges with Students, and Diversity and Culture. This evaluation, which was initiated in 2009 and completed in 2010, provided feedback on the utility of the Reach and Teach Kits.

Investigators: PHRED Connection

Research and Education Staff: Caulette McBride

Funding: Provincial PHRED Program

Completion Date: 2010

Undergraduate and Graduate Education

KFL&A Public Health has affiliation agreements with several educational institutions, including Queen's University and St. Lawrence College, enabling it 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

Kendra Barrick (Community Health and Epidemiology, MSc, 2010). *Compensated work-related asthma in Ontario: a data linkage analysis*. Supervised by Linda Lévesque and Diane Lougheed.

Virginie Cobigo, PhD (Community Health and Epidemiology, Post-Doctoral Fellow, 2010). *Characteristics of the population of persons with intellectual disability and autism: Creating an understanding to prevent disability and improve services*. Supervised by Linda Lévesque and Helene Oullette-Kuntz.

Moaz Choudhury (Community Health and Epidemiology, MSc, 2010). *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.

Ting Lim (Community Health & Epidemiology, MSc, in progress). *HPV vaccine*. Supervised by Linda Lévesque.

Soultana Macridis (Kinesiology and Health Studies, MSc, in progress). *The contribution of parental attitudes and concerns to their willingness to allow their children to participate in a Walking School Bus program*. Supervised by Kathleen O'Connor and Spencer Moore.

Rachael Morkem, (Community Health & Epidemiology, MSc, in progress). *Mental health related stigma and treatment disparities*. Supervised by Linda Lévesque.

Alexander Perry, (Community Health & Epidemiology, PhD, in progress). *Observational studies of drug effects: addressing bias related issues*. Supervised by Linda Lévesque.

Karen Poon, (Community Health & Epidemiology, MSc, in progress). *Does breastfeeding self-efficacy, as measured by the Breastfeeding Self-Efficacy Scale (Short Form), predict breastfeeding duration?* Supervised by Kathleen O'Connor and Heather Stuart.

Dr. Cara Reimer, (Community Health & Epidemiology, MSc, in progress). *Use of pulmonary artery catheters and transesophageal echocardiography in patients undergoing elective coronary artery bypass surgery*. Supervised by Linda Lévesque.

Olivia Remes, (Community Health & Epidemiology, MSc, in progress). *HPV vaccine: the determinants of uptake of the quadrivalent HPV vaccine*. Supervised by Linda Lévesque.

Leah Smith, (Community Health & Epidemiology, MSc, 2010). *Short term safety of the HPV quadrivalent vaccine in grade 8 girls: the Ontario cohort study*. Supervised by Linda Lévesque.

Erica Walsh, (Community Health and Epidemiology, MSc, in progress). *The cardiovascular effects of breast cancer treatments*. Supervised by Linda Lévesque.

PHRED Studentship Award

An annual competition is held for the PHRED Studentship Award, valued at \$17,500 over a twelve month period. This is presented to a Master's level student who is conducting a thesis project in an area of importance and value to KFL&A Public Health. Leah Smith was the successful candidate in 2009/10 and Sultana Macridis in 2010/11. The title of Leah's thesis was "Short term safety of the HPV quadrivalent vaccine in grade 8 girls: the Ontario cohort study". Sultana is examining the readiness of a Kingston elementary school to adopt the Walking School Bus Program.

Public Health Placements, and Graduate and Undergraduate Lectures

There were 100 student placements at KFL&A Public Health in 2010. These are summarized in the following table. Students came from nine different post-secondary institutions and eleven different disciplines.

Student Placements in 2010

DISCIPLINE & LEVEL	DESCRIPTION	NUMBER of STUDENTS LENGTH of COURSE	
		Number of Students	Time
NURSING			
Queen's University Nursing 492	Consolidation of Nursing Care	4	10 weeks; 35 hours/week
Queen's University Nursing AST405	Practicum in Community Health Promotion	4	6 weeks; 100 hours
Queen's University Nursing 405	Practicum in Community Health Promotion	6	11 weeks; 16 hours/week
Laurentian University/ St. Lawrence, Nursing 3094	Practicum in Community Health Promotion	1	6 weeks; 12 hours/week
Laurentian University/ St. Lawrence, Nursing 4094	Consolidation of Nursing Care	2	10 weeks; 36 hours/week
Laurentian University/ St. Lawrence, Nursing 4084	Actualization of the Nurse as a Professional	1	10 weeks; 20 hours/week
St. Lawrence College, RPN 2 nd Year	Registered Practical Nurse	4	6 weeks; 16 hours/week
University of Victoria, Nursing 495	Post-Diploma	1	78 hours
Preparation for Lactation Consultant Examination	Observational Experience	1	14 hours

DISCIPLINE & LEVEL	DESCRIPTION	NUMBER of STUDENTS LENGTH of COURSE	
		Number of Students	Time
MEDICINE			
McMaster University, 2 nd Year Medicine, Elective	An opportunity for medical students to learn about the programs and services offered at public health	1	2 weeks; 35 hours/week
Queen's University, 3 rd Year Medicine, Elective	An opportunity for medical students to learn about the programs and services offered at public health	1	2 weeks; 35 hours/week
Queen's University, 1 st Year Medicine, Elective	An opportunity for medical students to learn about the programs and services offered at public health	1	7 hours
Queen's University Family Medicine Residents	Opportunity for medical residents to observe and assist in a variety of programs and services offered at public health	7	2-4 weeks
Queen's University Family Medicine Residents	Sexual Health Clinic; clinical experience	50	8 hours
OTHER			
Graduate Dietetic Internship Program	Internship Placement	1	4 weeks; 35 hours/week
Queen's University, Masters in Public Health	Practicum	4	16 weeks; 25 hours/week
Ryerson Environmental Health Program	Practicum	1	16 weeks; 35 hours/week
Queen's University, Faculty of Education	Teacher Consolidation	2	3 weeks; 35 hours/week
St. Lawrence College, Medical Office Administrative Assistant	Placement	3	2 weeks; 35 hours/week
University of Western Ontario, Speech Language Pathologist	Practicum	1	8 weeks; 35 hours/week
Durham College, Dental Hygienist	Observational Experience	1	8 hours
UNB, Fredericton Executive MBA	Development and Learning Framework	1	35 hours
Queen's University, M.I.R.	Policy Development	2	20 hours

Lectures and presentations to undergraduate and graduate students are presented in the following table. Students from Queen's University, St. Lawrence College and McGill University, as well as interns in the Southeastern Dietetic Internship Program at KFL&A Public Health, were the recipients of this instruction.

Lectures and Presentations in 2010

DISCIPLINE & LEVEL	DESCRIPTION	NUMBER of STUDENTS LENGTH of LECTURE	
		Number of Students	Time (hours)
QUEEN'S UNIVERSITY			
Medicine, 1 st Year	Communicable Disease and Epidemiology	100	2
Medicine, 1 st Year	Immunisation	100	2
Medicine, 1 st Year	Seminar	100	1
Post-Graduate Medicine	Principles of Immunisation Academic Half-Day CMRP (2 lectures)	4	2
Masters in Public Health	Introduction to Public Health	21	3
Masters in Public Health	Theories of Behaviour Change	21	3
Masters in Public Health	Foundational Standard of the OPHS	21	3
Masters in Public Health	Health Promotion and Protection Strategies: Mass Media, Health Communication and Risk Communication	21	3
Masters in Public Health	Health Promotion Strategies: Personal Skills, Self-Help and Health Education	21	3
Masters in Public Health	Health Promotion and Protection Strategies: Healthy Public Policy, Legislation and Fiscal Measures	21	3
Masters in Public Health	Health Promotion Strategies: Supportive Environments, Organizational Change. Community Action, Coalitions and Advocacy	21	3
Masters in Public Health	Health Protection Strategies: Legislation, Inspection and Personal Skills	21	3
Masters in Public Health	Emergency Preparedness	21	3
Nursing, 1 st Year	Youth Engagement in Public Health	115	1
Nursing, 1 st Year	Infection Prevention and Control	115	1

DISCIPLINE & LEVEL	DESCRIPTION	NUMBER of STUDENTS LENGTH of LECTURE	
QUEEN'S UNIVERSITY			
Nursing, 3 rd Year	Public Health Supports Families in the Community	95	3
Nursing, 3 rd Year	Community Resources Available to Families with Newborns	50	1.5
Nursing, 4 th year	Role of the Community Health Nurse in Health Promotion	98	.5
Nursing, 4 th year	Behaviour Change and the Motiv8 Program	98	.5
Nursing, 4 th year	Presenting with Pizzazz	4	3.5
Kinesiology and Health Studies, 1 st Year	Nicotine Addiction	300	1
Life Sciences	Public Health	150	1
School of Policy Studies, Masters of Policy Studies	Practical Guide to Policy Development	25	3
Education, Final Year	Public Health Programs and Resources for Teachers	40	1
LAURENTIAN UNIVERSITY: ST. LAWRENCE COLLEGE			
Nursing, RPN, 1 st Year	Public Health, Reportable Infections, STI and Birth Control	72	2
Nursing, 4 th Year	Presenting with Pizzazz	2	3.5
Health Information	Health Information Management	30	2
Social Service Workers, 1 st Year	Routine Precaution Workshop (2 lectures)	70	1
KFL&A PUBLIC HEALTH			
Dietetic Internship	Breastfeeding Basics	6	2
Dietetic Internship	Orientation to Public Health, Internship Manual (3 lectures)	6	13.5
Dietetic Internship	Introduction to the College of Dietitians Practice Guidelines	6	1.5
Dietetic Internship	Food-borne Illness and Hazard Analysis and Critical Control Point (HACCP) Principles	6	1.5
Dietetic Internship	Media Workshop	6	3
Dietetic Internship	Introduction to Community Nutrition: Toolbox Exercise	6	4.5

DISCIPLINE & LEVEL	DESCRIPTION	NUMBER of STUDENTS LENGTH of LECTURE	
KFL&A PUBLIC HEALTH			
Dietetic Internship	Privacy Legislation	6	1.5
Dietetic Internship Program	Orientation to Library Services and the Virtual Library	6	4
Dietetic Internship Program	Presenting with Pizzazz	6	3
Dietetic Internship Program	Counselling Workshop	6	4
Dietetic Internship Program	Financial and Personnel Planning for the Major Project	6	1.5
Dietetic Internship Program	Resource Centre, Mask Fitting and Immunization support	6	.5

Courses Taught in 2010

DISCIPLINE & LEVEL	DESCRIPTION	NUMBER of STUDENTS LENGTH of COURSE	
		Number of Students	Length (hours)
QUEEN'S UNIVERSITY			
Medicine, Term 2	Critical Appraisal of Clinical Practice Guidelines	100	2
Medicine, Term 1	Critical Appraisal, Research and Learning (CARL)	100	38
Masters in Public Health	Foundations of Public Health Practice Course Coordination	21	39
MCGILL UNIVERSITY			
Montreal Summer School in Public Health	Introduction to Pharmacoepidemiology	25	34

Research and Education Division Staff

2010

Danielle Amey, BHSc	Research Assistant
Gail Brierley	Program Assistant
Michelle Hogan	Research Assistant
Christian Keresztes, PhD, CPsych	Research Associate
Linda Lévesque, BScPhm, MSc, PhD	Research Scientist
Paul Masotti, BA, BPHE, MS, HSA, PhD	Research Associate
Daphne Mayer, MPH	Research Associate
Caulette McBride, BNSc	Education Coordinator
Maria Nasr	Research Assistant
Kathleen O'Connor, PhD	Director
Alex Perry BSc, MSc, MSc	Senior Analyst
Karen Scott, MSc	Research Associate
Suzanne Sinclair, MSc	Epidemiologist
Marie Traynor, MSc, PHEc, RD	Research Associate

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