



Canadian Health Services Research **Foundation**
Fondation canadienne de la recherche sur les services de santé



2008 Annual Report on the Nursing Research Fund

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BACKGROUND

The federal government endowed the Nursing Research Fund (NRF), initially titled the Nurse Fund, to the Foundation in 1999. The NRF was established in response to the impact of health system restructuring of the late 1990s and mounting concern regarding the need to build nursing research capacity to support nursing health services and management. The fund provided an additional \$25 million to the Canadian Health Services Research Foundation's endowment, to be spent over 10 years at an average of \$2.5 million per year.

The Foundation does not solely focus on developing research and researchers; it builds capacity for research to be used, shared, and integrated within decision-making in nursing care and management. Thus, capacity building for nursing-related¹ research is supported through funding research and creating knowledge, developing and supporting individuals in their ability to create and use research, and promoting the sharing and use of research evidence to inform decision-making in the management and delivery of healthcare.² The Nursing Research Fund has enabled the Foundation to focus on nursing research and related activities within its existing programs.

2008 was a year of transition and evaluation for nursing-related programs within the Foundation given that the NRF has begun to wind down for completion in 2009. The former *Nursing Leadership, Organization and Policy* theme was officially discontinued and nursing was established as a cross-cutting Foundation theme. In addition, the Foundation nursing lead and the Vice-President, Research and Evaluation worked closely with the nursing community to co-ordinate wind-down activities and to disseminate the results of the Nursing Research Fund Evaluation.

ABOUT THE CANADIAN HEALTH SERVICES RESEARCH FOUNDATION

The Foundation was established in 1997 to strengthen the scientific basis for decisions made by those running Canada's health services. To do this effectively, the Foundation builds bridges between applied health services researchers who generate new knowledge and decision and policy makers who make health system decisions.

The Foundation is building capacity for evidence use by health system managers and policy makers by: summarizing research results in ways that decision makers can use them; providing tools and access to experts to help them find the best available research; and training senior decision makers to understand, appreciate and use research effectively.

The Foundation develops capacity in the research community to meet the health system's needs by supporting a network of training programs, providing tools and funding to facilitate the production of new, relevant research, and working with universities to improve the climate for applied research and the rewards for applied researchers.

THE NURSING RESEARCH FUND AT THE FOUNDATION

Beginning in 2001, the Foundation, along with five national organizations, undertook the first national consultation to identify research themes for future applied health services and policy research, called *Listening for Direction: A national consultation on health services and policy issues*. The main objective of this consultation was to help design research themes that addressed the needs of policy makers and managers in the health system over the subsequent two to five years. Nursing and nursing-related issues have appeared as key cross-cutting themes in LfD I, LfD II (conducted in 2004) and LfD III (conducted in 2007).

¹The focus of the fund and related activities is research on nursing issues, not just research done by nurses. Thus, the term "nursing-related" research and activities will be used.

²Ellis, J. (2007). "Building Capacity for Nursing Research In Canada: Is it enough?" Nursing and Midwifery Links, Official Publication of the Global Network of WHO Collaborating Centres for Nursing and Midwifery Development, April. pp.15-18

Following LfD III, Foundation themes, including *Nursing Leadership, Organization and Policy*, were integrated across the initiatives and activities of the Foundation. As a result, nursing was established as a cross-cutting theme and the *Nursing Leadership, Organization and Policy* theme was discontinued. In this way, the Foundation remained committed to nursing-related research and policy issues, contributing to and supporting nursing research, and sharing and using this research to contribute to evidence-informed decision making.

NURSING COMMITTEE OF THE CHSRF BOARD OF TRUSTEES

In 1999, when the Foundation agreed to administer the NRF, a senior staff member and a special advisory committee of the board of trustees, known as the Nursing Committee, were dedicated to oversee and manage the activities related to this fund. Subsequently, a theme was created, first called *Nursing Management and Organization* and later changed to *Nursing Leadership, Organization and Policy* in 2002. This theme initiated the development and integration of nursing activities within the Foundation.

Although committee and staff roles have evolved over time, this leadership and oversight has been central to the success of the NRF. In 2008 the composition of the Nursing Committee remained the same as in 2007 in order to provide continuity during the initial wind-down period, and was comprised of three trustees and three external members with expertise in nursing issues (see Table 1).

Table 1: CHSRF Nursing Committee members 2008

2008 CHSRF Nursing Committee Members
CHSRF board of trustees members
Gail Tomblin Murphy (Chair), Associate Professor, School of Nursing, Dalhousie University, Halifax, Nova Scotia
Jeanne Besner (Vice-Chair), Director, Research Initiatives in Nursing and Health, Health Systems and Workforce Unit, Alberta Health Services, Calgary, Alberta
Sheila Marie Gallagher, Child and Adolescent Health Leader, Capital Health Authority, Edmonton, Alberta
Sue Matthews, National Executive Director & Chief of Practice, VON, Toronto Ontario
Marlene Smadu, Associate Dean, Undergraduate Programs, College of Nursing, University of Saskatchewan, Regina, Saskatchewan
Ex-officio, non-voting members
Maureen O'Neil, President and Chief Executive Officer, Canadian Health Services Research Foundation
Elizabeth Davis, Board Chair
Brian Postl, Board Vice-Chair

NURSING RESEARCH FUND ACTIVITIES AND EXPENDITURES, 1999-2008

Between 1999 and 2008, the fund supported, in whole or in part, the following projects and awards:

- Four REISS competition programs and 12 development awards to support applications for full-scale proposals;
- 40 Open Grants Competition projects and programs;
- Six nursing-specific CHSRF/CIHR chairs and two nursing-related chairs (of the 12 chair awards);
- 24 postdoctoral students;
- Four Career Reorientation Awards;

- Three CHSRF/CIHR Regional Training Centres (RTCs) (of the five awards);
- More than 30 special project grants or awards; and
- Research funded by both the Nursing Care Partnership and the Partnerships for Health System Improvement competition.

Not only has the NRF successfully supported research on nursing-related issues and capacity development, but it has also encouraged partnerships that contribute funding to nursing-relevant research and training.

Appendix A provides a detailed overview of expenditures in addition to projects and activities funded by the NRF to date. The expenditures include all direct and indirect (overhead) costs. Appendix B identifies the activities and related costs of awards granted during 1999-2008.

ACTIVITIES FOR 2008

NURSING RESEARCH FUND-RELATED ACTIVITIES AND OUTCOMES FOR 2008

1. Developed and implemented a communication plan to disseminate timely information to the wider nursing community regarding the findings of the NRF evaluation and the wind-down of the NRF.
2. Worked with Office of Nursing Policy, Health Canada to prepare a formal request to the Office of the Chief Scientist, Health Canada for a time-only extension to the NRF to allow the Foundation to fully expend all committed NRF funds.
3. Worked with and supported nursing leaders, including the members of the Canadian Consortium for Nursing Research and Innovation, as they explored next steps for the advancement of nursing science in Canada.
4. Continued to work with the Advance Practice Nursing Decision Support Synthesis (DSS) research team, to bring together nursing leaders (researchers and decision makers) and stakeholders to develop policy recommendations that support the increased development and integration of advanced practice nursing roles in Canada (a large focus group composed of the APN advisory board members and other openly invited guests was held in July 2008).
5. Co-ordinated the annual meeting of the Nursing Committee of the Board of Trustees (held November 27, 2008).
6. Worked with the Canadian Consortium for Nursing Research and Innovation to finalize the Nursing Research in Canada: A Status Report, a research project commissioned by the Foundation in 2006. The report highlights the capacity for nursing research established during the past decade.
7. Continued to disseminate materials released to key policy research initiatives on nursing issues.

EVALUATION OF THE NURSING RESEARCH FUND

An independent evaluation of the NRF was commissioned by the Foundation in 2007 and completed in 2008. The evaluation was conducted in consultation with Foundation staff as well as nursing stakeholders and award holders. The evaluation report noted many successes and positive outcomes of the investments made through the NRF, including increases in the quality and quantity of nursing-related research, researchers, and knowledge exchange initiatives.

The evaluation highlights important lessons and results of interest to the wider nursing community (including researchers and decision makers), the original sponsors of the NRF (the federal government and Canadian nursing leadership), and the Foundation. The report offers insights and an understanding of the potential opportunities and pitfalls to consider if planning similar endeavours in the future.

The evaluation found that the NRF had been successful in meeting its overall target objective (as per the original NURSE Fund Agreement between CHSRF and Health Canada) to develop a knowledge base which would: 1) better enable nurses to deliver quality care in an environment of healthcare restructuring; 2) identify approaches to retrain the existing workforce; and 3) attract new members to the profession. Given the overall successes of the NRF and the current state of nursing research and faculty in Canada, the evaluation team and Foundation support further investment in nursing research, including increased training awards for novice researchers, funding for small institutional research programs, increased funding for clinical nursing research, and a 25-year vision and commitment made for a second phase of the NRF.

Following the 2008 release of the NRF evaluation report, the Foundation continued to work closely with the nursing community and stakeholders, including the Canadian Consortium for Nursing Research and Innovation, to disseminate the report's findings. The Foundation continues to engage and support nursing leaders as they explore next steps for the advancement of nursing science in Canada.

ACTIVITIES BY STRATEGIC OBJECTIVE

The following organizes the 2008 activities and achievements supported by the fund under each of the Foundation's strategic objectives.

Objective 1: To create high-quality new knowledge that is useful for health services managers and policy makers

The Nursing Research Fund and the Foundation have supported the creation of new knowledge through the following major activities and programs:

- Research funding:
 - Research, Exchange, and Impact for System Support (REISS)
 - Partnerships for Health System Improvement (PHSI)
 - Nursing Care Partnership (NCP)
 - Commissioned research and synthesis projects
 - Postdoctoral, Chair and Regional Training Centre Awards (see Objective 2)
- Additional research awards and projects.

Research, Exchange, and Impact for System Support (REISS)

In 2004, most Open Grants Competition³ projects were successfully transferred to the Canadian Institutes of Health Research. Following this, the Foundation launched its new flagship program—funding competition called *Research, Exchange, and Impact for System Support* (REISS). Developed in consultation with researchers, decision makers and funders across Canada, REISS combines elements known to fuel collaborative, evidence-informed support for the organization, management, and policies of the Canadian healthcare system.

The result is a unique funding model that goes beyond traditional research funding to promote high-potential-impact research and high-quality capacity-building initiatives, with effective dissemination and implementation of results.

³From 1998 to 2004, the Open Grants Competition served as the Foundation's research funding program. The Foundation transferred the project portion of the Open Grants Competition to the Canadian Institutes of Health Research for the 2005 competition.

The Foundation's REISS competition is made possible with partnership funding from a number of organizations. These organizations not only leveraged REISS funding by providing cash and in-kind support, but are also at the heart of key linkages made between researchers and decision makers.

In its fourth year, the REISS competition received one nursing research letter of intent (which was screened as eligible for competition), invited three teams to submit full-scale applications⁴, and funded one program of research⁵ as shown below in Table 2.

The 2008 REISS competition was the last in which the *Nursing Leadership, Organization and Policy* theme was used. Nursing will be integrated in any future competitions as a cross-cutting theme.

Table 2: Theme-based results from the 2008 REISS competition

Theme	Letters of Intent Eligible (Received)	Full-scale Applications Received (Invited)	Full-scale Applications Recommended
Management of the Healthcare Workplace	5 (6)	2 (2)	1
Managing for Quality and Safety	14 (14)	4 (5)	1
Nursing Leadership, Organization and Policy	1 (1)	2 (3)	1
Primary Healthcare	8 (11)	4 (4)	1
Total	28 (32)	12 (14)	4

Partnerships for Health System Improvement

The Partnerships for Health System Improvement (PHSI) competition is a research competition administered by the Canadian Institutes of Health Research. The purpose of this initiative is to support teams of researchers and decision makers to conduct research that is useful to health system managers and/or policy makers. Successful teams conduct research projects of up to three years in length, in thematic areas identified as high priorities in LfDII.

This funding opportunity was developed and previously managed by the CHSRF as part of its Open Grants Competition.

The Nursing Research Fund provides up to \$200,000 a year in matching funds for successful projects in this CIHR competition (maximum of \$100,000 per project). NRF monies used to support nursing within this competition are allocated according to the merit review panel's ratings, as funds are available. Due to the 2009 wind-down of the NRF, 2008 marks the last year that matching funding will be made available to PHSI projects.

2008 PHSI NRF co-sponsored projects:

- Heather Spence Laschinger, "Nurses' Career Aspirations to Management Roles: Identifying the Next Generation of Nursing Leaders" (\$99,000 NRF)
- Ariella Lang, "Safety in Home Care: Focus on Medication Management" (\$100,000 NRF)

⁴The letter of intent stage merit review panel recommended that the Foundation invite two applications submitted under the primary healthcare theme with a secondary theme of Nursing Leadership, Organization and Policy to be invited to submit full-scale applications under the nursing theme.

⁵The successful team, led by Johanne Goudreau, is titled "Approche intégrée de la formation initiale et continue des infirmières pour améliorer la qualité du raisonnement et du leadership cliniques infirmiers [Towards an integrated approach to initial and continuing education to improve the quality of leadership and critical reasoning among clinical nurses]." The program is co-sponsored by the Centre hospitalier de l'université de Montréal and the Centre hospitalier universitaire Sainte Justine.

Nursing Care Partnership

The creation of clinical knowledge related to nursing care is supported by funding through the Nursing Care Partnership, a distinct program component of the NRF administered by the Canadian Nurses Foundation.

In 2008 the Canadian Nurses Foundation committed \$220,405 of Nursing Care Partnership funding to projects meeting criteria agreed upon by both foundations in January 2003. A further \$462,952 was leveraged through partnerships, for a total investment of \$683,357. Over six years, the Canadian Nurses Foundation has committed \$2,442,462 to approved nursing care research projects and leveraged \$5,112,395 for a total investment of \$7,554,857.

The two-year extension to the program, which was approved in January 2008, brings the partnership to an end on December 31, 2009, to coincide with the wind-down of the NRF at the end of 2009.

Objective 2: To increase the number and nature of applied health services and nursing researchers

Health Services Research Advancement Award

Of special note, Paula Goering, CHSRF/CIHR Chair in Generating and Disseminating Best Practices in Mental Health and Addictions, was the 2008 recipient of the Health Services Research Advancement Award. The award is presented annually to an individual, team or organization that has contributed significantly to the Canadian health services research community and to advancing evidence-informed decision-making in the healthcare system.

Dr. Goering is Head of the Health Systems Research and Consulting Unit in the Social Prevention and Health Policy Research Department. She is Vice-Chair of Programs and Planning and a Professor in the Department of Psychiatry with cross-appointments to Faculty of Nursing, Health Policy, Management and Evaluation and the Institute for Medical Science at the University of Toronto.

Capacity for Applied and Developmental Research and Evaluation (CADRE) in Health Services and Nursing

The Nursing Research Fund provides support to the Capacity for Applied and Developmental Research and Evaluation (CADRE) in Health Services and Nursing program. This program is a partnership between the Foundation, the Canadian Institutes of Health Research, and others to increase capacity in applied health services and policy research, including nursing leadership, organization, and policy issues. This program not only increases research capacity, but also creates sustainable partnerships and linkages. Partner contributions account for more than 50 percent of the monies to cover award costs for this program. The CADRE program is comprised of four initiatives:

- Postdoctoral Awards;
- Chair Awards;
- Regional Training Centres; and
- Career Reorientation Awards.⁶

⁶The Career Reorientation Award competition was discontinued following a CHSRF Board of Trustees decision in August 2007.

Postdoctoral Awards

The Postdoctoral Awards are designed to build capacity through focused development of new researchers, with the aim of increasing high-quality research in future. Emphasis is placed on working with managers and policy makers as well as on acquiring skills that maximize knowledge translation and use of their future research. Twenty-four nursing-related postdoctoral students have been sponsored to date.

Table 3: Nursing Research Fund postdoctoral students

Year	Name	Supervisor(s)	Province (University)
1999-2000	Postdoctoral program began in 2001		
2001	Maureen Dobbins	Donna Ciliska/ Réjean Landry	Ontario (McMaster University)
	Judy Mill	Nancy Edwards	Ontario (University of Ottawa)
2002	Anita Kothari	Nancy Edwards	Ontario (University of Ottawa)
	Melanie Lavoie-Tremblay	Linda O'Brien-Pallas	Ontario (University of Toronto)
	Joanne Profetto-McGrath	Carol Estabrooks/ Réjean Landry	Alberta (University of Alberta)
	Deborah Tregunno	Diane Irvine Doran	Ontario (University of Toronto)
2003	Karen Benzies	Suzanne Tough/ Nancy Edwards	Alberta (University of Calgary)
	Denise Bryant-Lukosius	Alba DiCenso/ Lesley Degner	Ontario (McMaster University)
2004	Sonia Semenic	Nancy Edwards/ Jean-Louis Denis	Québec (McGill University)
	Susan Jack	Harriet MacMillan/ Carole Estabrooks	Ontario (McMaster University)
2005	Anne Hofmeyer	Carole Estabrooks	Alberta (University of Alberta)
	Sharon Kaasalainen	Kevin Brazil/ Alba DiCenso	Ontario (McMaster University)
	Amanda Newton	Carole Estabrooks	Alberta (University of Alberta)
	Mike Patterson	Nancy Edwards/ Janet Smylie	Ontario (University of Ottawa)
	Laureen Hayes ⁷	Linda O'Brien-Pallas	Ontario (University of Toronto)
2006	Josephine Etowa	Linda O'Brien-Pallas/ Nancy Edwards	Ontario (University of Toronto and University of Ottawa)
	Phyllis Montgomery	Nancy Edwards/ Cheryl Forchuk	Ontario (University of Ottawa and London Health Sciences Centre)
	Faith Donald	Kevin Brazil/ Jenny Ploeg	Ontario (McMaster University)
2007*	Christine Kurtz Landy	Harriet MacMillan	Ontario (McMaster University)
	Dominique Tremblay	Nancy Edwards	Ontario (University of Ottawa)

⁷Laureen Hayes was funded by the Ontario Ministry of Health and Long-Term Care.

Year	Name	Supervisor(s)	Province (University)
2008	Anastasia Mallidou	Carole Estabrooks/ Greta Cummings	Alberta (University of Alberta)
	Christian Rochefort	Robyn Tamblyn	Quebec (McGill University)
	Olive Wahoush	Michael Boyle	Ontario (McMaster University)
	Tracy Carr ⁸	Nancy Edwards/ Barbara Davies	Ontario (University of Ottawa)

Career Reorientation Awards

The Career Reorientation Awards were designed to attract established, mid-career researchers from disciplines outside health services to apply their expertise and experience to applied health services and policy research issues. The Foundation decided to discontinue this award in 2007 due to lack of uptake.

Between 2000 and 2006, four members of the nursing community received awards. These awards provided established researchers working in clinical nursing care with support to work with a mentor for one year to develop the knowledge base and necessary skills to reorient their research toward nursing management or health services research, thereby creating new knowledge. Each recipient received \$50,000 in salary support for one year from the fund; the fund also provided \$10,000 to the mentor. These costs are shared between the CIHR the Foundation through the NRF.

Table 4: Nursing-related Career Reorientation Award holders between 2000 and 2006

Name	Year	Mentor	University
Michelle Giroux	2006/07	Nancy Edwards	University of Ottawa
Ann Rhéaume	2003	Andrea Baumann	Université de Moncton
Anne Dewar	2001	Janice Lander	University of British Columbia
Manon Lemonde	2000	Linda O'Brien-Pallas	Laurentian University

Chair Awards

The Chair Awards are funded for 10 years, renewable at five years following a successful fourth-year review. There are six nursing-specific and two nursing-related chairs. The awards provide a focal point for the education and mentoring of applied health services researchers who will conduct relevant research in nursing leadership, organization, and policy issues. Each funded chair receives a maximum of \$196,000 from the fund per year, a cost shared by the CIHR, the Foundation and regional co-sponsors (where applicable). Of this award, \$57,647 must be dedicated to student support. All chairs have achieved success within the program by increasing research productivity and education and mentoring opportunities with a focus on linkage and exchange.

Of the contributions for the chairs from the Foundation, the NRF funds 100 percent of the six nursing-specific chairs, and 50 percent of the two nursing-related chairs. Details regarding the Chair Awards can be found in Table 5.

⁸Tracy Carr's postdoc is associated with Nancy Edwards' 2005 REISS program, which was funded under the Nursing leadership, organization and policy theme.

Table 5: Nursing-specific and nursing-related chairs

Name	Focus	Province (University)	Funding Sources	Fourth-Year Evaluation
Nancy Edwards	Community Nursing	Ontario (University of Ottawa)	50% NRF 50% CIHR	October 2004
Linda O'Brien-Pallas	Nursing Human Resources	Ontario (University of Toronto)	50% NRF 50% CIHR	October 2005
Lesley Degner	Oncological Nursing	Manitoba (University of Manitoba)	50% NRF 50% CIHR	April 2005
Alba DiCenso	Nurse Practitioners/ Advanced Practice Nursing	Ontario (McMaster University)	50% NRF 50% CIHR	June 2005
Paula Goering	Best Practices in Mental Health	Ontario (University of Toronto)	50% NRF 50% CIHR	December 2004
Peter C. Coyte	Homecare	Ontario (University of Toronto)	25% CHSRF (core) 25% NRF 50% CIHR	October 2004
Pat Armstrong	Policy and Women's Studies	Ontario (York University)	25% CHSRF (core) 25% NRF 50% CIHR	September 2006
Janice Lander ⁹	Evaluating Nursing Care	Alberta (University of Alberta)	50% NRF 50% CIHR	April 2005

Regional Training Centres

Designed to complement the Chair Awards, five Regional Training Centres (RTCs) were initially funded for a 10-year period (renewable following fourth-year review). Three were originally supported through the NRF, including the Centre Formation et expertise en recherche et administration des services infirmiers (FERASI), the Centre for Knowledge Transfer, and the Ontario Training Centre. These centres are designed to increase the number of qualified applied health services and nursing researchers at the master's and PhD levels and complement the infrastructure established by the Chairs. Emphasis is placed on creating opportunities to share knowledge through student placements with decision-making organizations. Each funded RTC receives up to \$421,000, of which at least 70 percent must be allocated to student support.

In 2008, two nursing-related training centres continue to receive 100 percent financial support from the NRF.¹⁰

⁹Janice Lander's chair was not renewed following the fourth-year review and wound down as of December 31, 2006.

¹⁰The Centre for Knowledge Transfer was not renewed following the fourth-year review and wound down on July 1, 2006.

Table 6: Nursing-related training centres

Name of Centre	Partners (Universities)	Focus	Region	Fourth-Year Evaluation
FERASI Centre	Université de Montréal, McGill University, Université Laval	Nursing Administration	Quebec	November 2005
Ontario Training Centre	McMaster University, York University, University of Ottawa, Laurentian University, Lakehead University, University of Toronto	Health Services and Policy Research	Ontario	October 2006

Additional Awards

The NRF has supported the creation of new knowledge through a number of special training and award grants since 1999. A summary of these awards is presented in Appendix B.

Objective 3: To get needed research into the hands of health system managers and policy makers in the right format, at the right time, through the right channels

Insight and Action

Insight and Action, a monthly digest produced by the Foundation, shares knowledge about knowledge exchange. In 2008, *Insight and Action* featured “Government chief nursing officers’ perceptions of barriers to using research on staffing.”

Canadian Federation of Nurses Unions annual researchers’ meeting

Each year CFNU brings together the provincial research associates to discuss ongoing research, upcoming projects and issues facing front-line nurses across Canada. This meeting promotes leadership and knowledge-sharing through an extended networking lunch, where national nursing stakeholders are invited to present their current initiatives. On July 29, 2008 Dave Clements, Vice President, Knowledge Exchange presented on the topic of knowledge transfer and exchange and the ongoing Foundation work related to this topic.

CAHSPR Conference

In 2008, the Foundation was a gold level sponsor of the Canadian Association for Health Services and Policy Research (CAHSPR) Annual Conference, held on May 26-28, 2008 at the Hilton Lac Leamy Hotel in Gatineau, Quebec. In addition, 38 students received funding from the Foundation and CIHR-IHSPR to attend the CAHSPR conference, 16 of whom received funding directly from the Nursing Research Fund amounting to approximately \$8,500.

CHSRF/CIHR-IHSPR also sponsored a networking event titled “Mix & Mingle: A get-together for students in health services and nursing research,” held on May 25, 2008. This student-focused reception attracted more than 150 attendees and was, for the first time, open to all students attending the CAHSPR Conference.

Objective 4: To help health system managers, policy makers, and their organizations routinely acquire, appraise, adapt, and apply relevant research in their work

The Executive Training for Research Application (EXTRA) program builds the capacity of decision makers to use research in their work. This is consistent with the Foundation's strategic objectives and the NRF's mandate to fund and build capacity of nursing researchers and research on nursing issues. Although the EXTRA program is not funded by the NRF, the activities of the program and its fellows are integrated into activities supported by the Foundation and the fund. Also, synergies exist between programs, fellows, and participants of other Foundation activities.

Executive Training for Research Application (EXTRA)

The EXTRA program is managed by the CHSRF on behalf of its five partners, which include the Canadian College of Health Service Executives, Canadian Nurses Association, Canadian Medical Association, and a consortium of 12 Quebec partners represented by the Agence des technologies et des modes d'intervention en santé (AETMIS). The EXTRA program profiles Canadian nurse leaders and their intervention projects and emphasizes evidence-informed decision-making.

In 2008, 10 nurse executives were recommended for EXTRA fellowships – five who applied individually and five who applied as part of a team application. In all there were 21 nurse applicants out of a total of 63. When added to the 36 nurse executives in the 2004, 2005, 2006 and 2007 cohorts, 46 of the 128 EXTRA fellows have a nursing background. Funding was also obtained from the Ontario Ministry of Health and Long-Term Care's Nursing Secretariat for four additional nursing fellows in 2005-2006, which allowed the program to offer two additional fellowships to Ontario nurse leaders in each of 2005 and 2006.

One of the critical components of the EXTRA program is its mentoring platform, which is supported by four regional mentoring centres. One of these is based at the nursing-related regional training centre, FERASI. EXTRA provides \$45,000 annually to FERASI to provide mentoring support and to create linkages and synergies with its other capacity-building activities.

PLANNED ACTIVITIES AND EXPECTED OUTCOMES FOR 2009

Through the NRF, the Foundation has been able to direct and lead initiatives aimed at building capacity for evidence-informed decision-making relative to the profession, care delivery, and management of nursing. Integration of the fund across Foundation activities and programs through the priority theme areas has generated a greater return on investment than merely managing these resources as a separate research and training fund.

Over the past decade, significant funds have been used to build capacity in nursing through the NRF. In 2009, no new commitments will be made against the fund. As the fund and its related activities wind down, the Foundation will continue to support awards and activities related to nursing leadership, including continued funding of existing commitments, and will work with the nursing community to explore next steps for the advancement of nursing science in Canada.

APPENDIX A

SUMMARY OF NURSING RESEARCH FUND EXPENDITURES AND ACTIVITIES, 1999-2008

Nursing Research Fund Expenditures:

Total Nursing Research Fund Expenditures and uncommitted funds at December 31, 2008

Initial Investment	\$25,000,000
Grants and other direct costs paid from Jan. 1, 1999 to Dec. 31, 2008	(\$20,994,884)
Overhead costs allocated from Jan. 1, 1999 to Dec. 31, 2008	(\$5,891,390)
Investment management fees from Jan. 1, 1999 to Dec. 31, 2008	(\$415,542)
Transfer of Open Grants Competition to the Canadian Institutes for Health Research	(\$591,187)
2007 Adjustment to Market Value (note 1)	\$910,911
Investment income from Jan. 1, 1999 to Dec. 31, 2008	<u>\$5,084,082</u>
Balance in fund as at Dec. 31, 2008 before commitments	\$3,101,990
Commitments made under existing programs for 2009-2010:	
Overhead (note 2)	(\$590,539)
Investment income (note 3)	\$131,224
Chairs (note 4)	(\$943,620)
Investment management fees	(\$3,000)
Salaries & other direct costs (note 5)	(\$86,000)
Grant Commitments (note 6)	<u>(\$2,993,309)</u>
Nursing Research Fund remaining balance after commitments	(\$1,383,749)

Current Nursing Research Fund Grant Commitments 2011 and beyond \$830,389

Assumptions:

1. Investments are now valued at market value rather than book value, this represents the increase in market value due to this policy change.
2. The overhead rate will continue to be approximately 15 percent of grant costs. Overhead is charged to the Nursing Research Fund to cover infrastructure costs such as rent, telephone, postage, etc. that are not directly allocated to the Nursing Research Fund. This overhead allocation methodology was developed by CHSRF's auditors.
3. Investment income is estimated at four percent on yearly average Nursing Research Fund balance.
4. The figure only includes commitments up to 2010, although the full commitment payments will be beyond 2010.
5. The salaries and benefits and other operating costs assumption includes a three-percent increase year over year up to 2010 to cover costs directly attributable to the Nursing Research Fund.
6. The commitments for these grants will extend beyond 2010. The figure presented here only includes commitments up to 2010. These grants include the two regional training centres who are charged 100% to the NRF, postdoctoral awards for nurses, the Research, Exchange and Impact for System Support competition programs funded under the nursing theme and the Partnerships for Health System Improvement NRF co-sponsorship.

APPENDIX B

ADDITIONAL AWARDS 1999-2008

Special training, research, and award grants

- Training Program Development Grant (TPDG): 1999/2000, awards to develop principles and outlines for training (\$24,300 + \$3,000)
- LOI Preparation Grants: 1999/2000, to assist decision makers and junior researchers to develop grant proposals (\$54,000 + \$6,534)
- Joint Training Awards (JTA): 2000/01, two-year partnership with other funders to increase funding opportunities to master's, PhD, and postdoctoral students (\$231,640)
- Regional Training Centre Development Grants: 2000/01, grants to assist regional training centres to get up and running (\$60,000 + \$10,000)
- Translation Grant: 2004, granted to translate a monograph on nursing human resources for decision makers by Chantal Viens (\$2,250)
- Research extension grant: 2005, OGC extension grant for team lead by Mae Gallant (\$4,500 + \$500)
- Analysis of the Current State of Nursing Research in Canada through development of a Framework for Building Nursing Research Capacity – project funded (Pat Griffin PI, Canadian Association of Schools of Nursing) November 2006–October 2007 (\$50,000 CHSRF)
The Role of Work Environments in the Migration of Nurses: A Scoping Exercise – project funded (Linda McGillis-Hall PI, University of Toronto) June 2006–February 2007 (\$50,000 CHSRF)
- An Evaluation of the Nursing Research Fund: Lessons to Date and Recommended Next Steps – project funded (Peter Coyte, team lead, University of Toronto) November 2007–March 2008 (\$74,986)
- Roles of Clinical Nurse Specialist and Nurse Practitioners in Canada: Decision Support Synthesis – project funded (Alba DiCenso, team lead, McMaster University) November 2008 – May 2009 (\$70,044 CHSRF + \$10,000 from Office of Nursing Policy, Health Canada)

Network, synthesis, and dissemination awards

- Health Institute Design Grant (HIDG): 1999, joint competition with SSHRC to design the CIHR institute (\$40,000)
- Knowledge Network Conference: 1999/2000, grant to CNA and partners for a conference at Université Laval to develop a nursing knowledge network (\$75,000 + \$25,000)
- Communication Infrastructure Development Grants (CIDG): 1999/2001, to look at novel ways to create linkages between researchers and research users (\$53,132 + \$3,262)
- Nursing Care Partnership: 2000/02/03, agreement officially reached and then committed \$500,000 each year (\$300,000 + \$500,000 + \$500,000)
- Nursing Policy Synthesis: 2000/01, Commitment and Care: 2000 (\$72,000 + \$8,000)
- Nursing Research Advisory Committee (NRAC): 2000/01, grants to CNA to support NRAC (\$40,558)
- CASN Database Project: 2000 and 2003, to support CASN in redeveloping and populating a database of funded nursing research in Canada (\$50,000 + \$46,100)
- Networking costs: 2001/02/03, costs for chairs and RTC meetings (\$18,717, \$26,128, \$57,265)

- CPRN Health Workplace Meeting: 2001 (\$29, 851)
 - Single Voice for Nursing Research (CNA): 2002, contract to develop a framework toward establishing a consortium single voice for nursing research in Canada (\$10,000)
 - Nursing Leadership Conference: 2002, Building the Future (CNA)—support of one keynote speaker—Wendy Nicklin (\$2,000)
 - Translation: Quality of Nursing Work Life book: 2002, to facilitate translation and production of a book that compiled research relevant to decision makers to improve the quality of nursing work life; Melanie Lavoie-Tremblay (\$2,500)
 - Network Infrastructure: 2003/2004, a needs assessment for a community health nurses network by Nancy Edwards (\$61,330 + \$41,026)
 - Academy Health: 2004 one-time grant of \$10,000 for the “International Nurse Migration Study and Conference” (\$10,000)
 - Academy of Canadian Executive Nurses 2006 Annual Conference (CHSRF co-sponsorship of \$10,000)
 - Canadian Nurses Association 2007 Nursing Leadership Conference (CHSRF co-sponsorship of \$5,000)
 - Colloque L'exercice de la profession infirmière : Une évolution nécessaire (Esther Leclerc, Centre hospitalier de l'Université de Montréal – CHSRF co-sponsorship of \$10,000)
 - Conférence FERASI : L'administration éclairée des services infirmiers sauve des vies (Danielle D'Amour, Université de Montréal – CHSRF co-sponsorship of \$5,000)
 - Patient Safety and Medication in Home Care: A Learning Event (Sylvia Ralphs-Thibodeau, Canadian Nurses Association – CHSRF co-sponsorship of \$1,000)
- Nursing Leadership Summit: “Healthy Workplaces... Within Our Grasp”
(Patricia O'Connor, McGill University Health Centre – CHSRF co-sponsorship of \$10,000)