



Practice & Research in Nursing Group

Faculty of Health Sciences
Queen's University

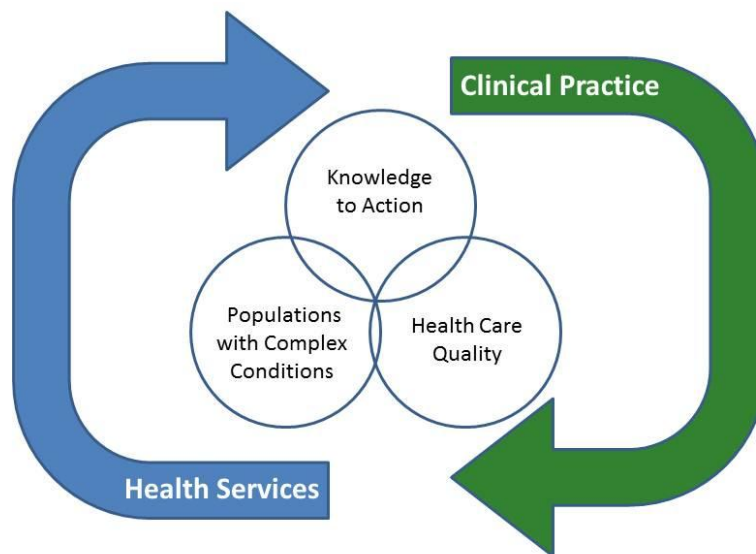
Report, January-December 2011

MB Harrison, RN PhD
Scientific Director & Senior Scientist



Introduction

This past year has been a significant one for the School of Nursing and the PRN research group. In 2011, 5 new faculty joined PRN. Two PRN scientists, J. Tranmer, E. Vandenberg hold CIHR career awards and M.B. Harrison is on a research secondment to the Canadian Partnership Against Cancer. Broad ranging changes locally and nationally will impact PRN in the coming year. First, university and faculty level strategic planning processes, including research direction, are underway. Second, significant changes have been made in the external funding environment. In light of these influences, during the annual School of Nursing Research Retreat PRN Scientists renewed their commitment to practice and health services research driven by the needs and challenges in today's health care environment, and PRN has undergone a review and renewal of focus. Three major themes have emerged: **'complex populations', 'knowledge to action', and 'health care quality'**.



Scholarship streams within these themes have developed throughout PRN's scientists' research programs and stream leads include:

Queen's Joanna Briggs Collaboration (QJBC) for Patient Safety:

Leads: M.B. Harrison, C. Godfrey, K. Sears, & R. Wilson

Methodological collaboration to use synthesis and KT methodologies for quantitative and qualitative research that respond to practice and policy questions on patient safety and adverse events.



Pain: The Fifth Vital Sign:

Lead: E. Vandenkerkhof

Focuses on the complex nature of pain and related symptoms at the population and individual level from an epidemiologic, assessment and management perspective

Knowledge Translation with Vulnerable Populations (KT-VP):

Leads: M.B. Harrison & R. Wilson

Working with community partners we face the challenge of evidence implementation, ethics and research in long term care and community settings.

International Wounds Collaborative:

Leads: M.B. Harrison & K. Woo

Dedicated to producing and using evidence in wound care.

Chronic Disease Management:

Lead: J. Tranmer

Chronic conditions and the transitions and continuity between sectors of care defining the care needs and gaps, development and evaluation of health care strategies

There are two emerging themes. In the next couple of years PRN scientists will be contributing to Research with the new Military and Veterans Health Care research Institute. Linking with our nursing care and research expertise, the focus will be on veterans and military families in areas that will be encompassed in our established scholarship streams including stress and its role in complex disease constellations, including cardiovascular, chronic pain, wounds, COPD, and stress. Secondly, 'healthy work environments' focuses on factors associated with physically and mentally healthy workforces, and on the development and evaluation of system level strategies to optimize health of the workforce.

Lastly, within the scholarship streams, the PRN group is influencing research methods, advancing knowledge translation science and innovating in education – a type of 'basic research' to pioneer and develop ground-breaking approaches. Our educators are advancing the use of simulation for improved care of complex populations. New and practical mechanisms and methodologies are being developed for knowledge translation at the point-of-care.



2010-2011 Highlights

QJBC takes on a National Perspective with Patient Safety

Following its inception in 2003, PRN's first major initiative was the Queen's Joanna Briggs Collaboration, the first North American Centre of the international JBI. QJBC was established as an academic-practice partnership with the South Eastern Ontario Health Sciences Centre (SEOHSC) and funded by the Ontario Ministry of Health & Long-term Care Health Research Grants Program.¹ This funding provided PRN with the opportunity to develop programming for the regional QJBC, conduct reviews, provide training for students and practitioners, embed evidence-informed practice in the curriculum and conduct a program evaluation. This start-up period brought into focus the need to concentrate our effort on sustainability.

PRN's strategy was to choose a specific care focus, **patient safety**. To develop a national academic-policy partnership with key partners, the Canadian Patient Safety Institute and Accreditation Canada, we sought and were awarded 5-years external funding (\$1,000,000) for QJBC infrastructure (dedicated library scientist, methodologist and project management) through a targeted call from the Canadian Institutes for Health Research. The centre opened January 2010. CIHR-KT is our third key partner and Mr. Adrian Mota from CIHR serves as Chair on our Advisory Council.

QJBC Patient Safety has a scientific team of 16 faculty members² working with four core staff.³ Currently there are 2 levels of organization and activity within QJBC: 1) Regional/Local Academic-Practice Partnership and 2) National, Academic-Policy Partnership. Key accomplishments and scholarship during 2011 are outlined in Appendix 1, including: establishment of the Network/collaboration CPSI & Accreditation and multiple partners within the Advisory Council comprised of 11 CEO members from across Canada⁴; education and capacity building through a 5-day summer JBI workshop (~40 participants from across Canada), undergraduate patient safety labs during patient safety week (nursing and rehabilitation science), graduate support for candidates interested in patient safety topics, a synthesis methods course (N898), and supportive infrastructure for the new Queen's graduate program MSc (HQ).

¹ Harrison, M.B., Medves, J.M., Tranmer, J.E., & Lamb, M. Evidence for Practice: Nursing Implementation Study (Queen's University). Ministry of Health and Long Term Planning (#06217) \$351,240, 2004-2008.

² Faculty: M.B. Harrison, J. Medves, E. Vandenberg, M. Lamb, C. Baker, D. Buchanan, S. Maranda, D. Edge, L. Keeping-Burke, S. Laschinger, L. Dunn, J. Peterson, DeWolfe, C. Pulling, L. Gedke-Kerr, C. Godfrey (methodologist).

³ Staff: A. Ross-White (library scientist), V. Donaldson (Project Officer), J. McVeety (Patient Safety Officer), V. Angus (Business Officer)

⁴ Representing Accreditation Canada, Canadian Patient Safety Institute (2), Health Council of Canada, Canadian Nurses Association, Community and Hospital Infection Control Association Canada, Canadian Healthcare Association, Canadian Home Care Association, Patients for Patient Safety Canada, Royal College of Physicians and Surgeons of Canada, Knowledge Transfer and Practice Policy, Canadian Medical Association, Healthcare Risk Management, Healthcare Insurance Reciprocal of Canada



Focusing on Complex Populations in Long-term Care and Community

PRN scientists and their students have been very active in the long term care and community sectors with new research initiatives. This has been in response to pressing health issues related to improving chronic disease care and symptom management. Several PRN scholarship streams have evolved with this focus since 2010: KT with Vulnerable Populations, Pain the 5th Vital Sign, an international Wounds Collaborative and Chronic Disease Management. Using the full range of the PRN research capability the enquiries respond at a population level through to clinical practice issues.

Summary

Over the past two years PRN has undertaken an extraordinary level of research activity across the continuum of care. Particularly noteworthy is the expansion of our research into neglected sectors, namely long term care and community/home care.

In 2011 nearly ¾ of a million (\$773,649) fuels our ongoing research. An additional \$76,500 funding for new research has been awarded in 2011. PRN scientists currently have several grant applications under review, totalling \$1,224,465. However, with changes in research funding policies and diminishing research funds available both federally and provincially, like most researchers across the Queen's community, we have expended tremendous effort at the development and proposal level while our success rate has been disappointing (Appendix B).

Looking Forward

PRN continues to actively support development of our new faculty members' research programs. Our new colleagues bring a broadened and timely focus to PRN's germinal commitment to nursing research relevant to practice and health services. A central effort in 2012 will be to extend our operating funding bases for PRN research beyond the traditional provincial Ministry and tri-council sources. Given the PRN group's point-of-care focus we will explore opportunities such as the Local Integrated Health Network (LIHN), and the university's new Veterans and Military Research Institute and local community-based agencies and networks. Linkages will be explored and formalized where appropriate with other disciplines and departments. Equally important and pressing is that career support must be sought for new faculty and renewed for senior scientists to fully develop the PRN research program.

There is continued need to establish a nursing research Chair within the School of Nursing. We are one of the few Nursing School's without this critical infrastructure to advance our research. Effort on this front will continue.



APPENDIX A

Scholarship Stream Activity, 2011

Stream #1:	Queen's Joanna Briggs Collaboration (QJBC) for Patient Safety . . .	p. 08
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Stream #3:	Knowledge Translation with Vulnerable Populations (KT-VP)	p. 11
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<i>Emerging:</i>	Military & Veterans Health Care and Healthy Work Environments	p. 14
<i>Foundational:</i>	Research Methods, Knowledge Translation Science, and Education Innovation	p. 15

APPENDIX B

Reduced Funding Opportunities

Submitted, reviewed not funded, to be resubmitted	p. 17
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STREAM #1: Queen's Joanna Briggs Collaboration (QJBC) for Patient Safety

Methodological collaboration to use synthesis and KT methodologies for quantitative and qualitative research that respond to practice and policy questions on patient safety and adverse events.



Theme: *Knowledge to Action*

Leads: M.B. Harrison, C. Godfrey, K. Sears, & R. Wilson

Grant Activity

Submitted/under review:

Sears, K., Tranmer, J., VandenKerkhof, E., Edge, D., & Boyle T. *Assessing the effectiveness and safety of paediatric medications for vulnerable children of a low socioeconomic status or inflicted with a disability in Ontario: Population based analysis.* Sickkids Foundation/Canadian Institutes of Health Research New Investigator Research Grant, \$ 294,869 (2011).

Godfrey, C.M. CIHR New Investigator Salary Award, \$300,000.

Godfrey, C.M., Wilson, R., Karp, S, Kolga, C., Warner, J., Oakley, P. *Evaluating the evidence on supportive strategies for self-care: an overview of reviews.* CIHR Knowledge Synthesis Grant (Knowledge Translation), \$99,859 (2011).

Funding received in 2011:

Harrison, M.B. & Hopp, L. *Implementation Science and Synthesis Network of the Americas (ISSNA).* Canadian Institutes for Health Research Meetings & Dissemination: International Research Collaboration #MIN-11290, \$25,000 (2011-2012).

Harrison, M.B. & Hopp, L. *Moving Safety Knowledge into Action: Building Capacity for Systematic Review.* Canadian Institutes for Health Research Meetings & Dissemination: Planning #KPE-11203, \$25,000 (2011-2012).

Sears, K., et al. *Using ICES and CIHI databases to determine the prevalence of clinical problems: A new faculty research program.* Queens University Research Development Fund, \$ 2,500 (2011)

Goldstein, D.H., VanDenKerkhof, E.G., Edge, D. *A Survey of Health Professional Education in Patient Safety at Queen's University.* Medical Research Endowment Fund, \$7,777 (2011-2012).

Ongoing funding in 2011:

Harrison, M.B., Medves, J.M., Lamb, M., Vandenkerkhof, E., Buchanan, D., Maranda, S., Baker, C., Edge, D., Keeping-Burke, L., & Duhn, I.J. *Queen's Joanna Briggs Collaboration (QJBC): Evidence for Safety Practices in Nursing and Health Care.* Canadian Institutes for Health Research, \$1,000,000 (2009-2014).

Doran, D., Baker, G.R., Dill, D., Donaldson, S., Droppo, L., Easty, A.C., Elliott, K., Gruneir, A., Harrison, M.B., Heckman, G.A., Hirdes, J.P., Lacroix, H., Lang, A., Macdonald, M., Mitchell, L., Morrissey, T., O'Beirne, M., Sales, A., Sears, N.A., Stevenson, R.L., Storch, J.L., & White, N. *Safety at Home: A Pan-Canadian home care safety study.* Canadian Patient Safety Institute \$1,369,860. Lead for Project 1, \$81,000 (2010-2011).



Baumann, A., Doran, D., Blythe, J., Carter, L., Clarke, S., Deber, R., Fisher, A., Freeman, M., **Harrison, M.**, Laporte, A., Larocque, S., Laschinger, H., McGillis Hall, L., McGilton, K., **Medves, J.**, Nagle, L., Nelson, S., O'Brien-Pallas, L., Rukholm, E., Sidani, S., Tomblin Murphy, G., Tourangeau, A., **Tranmer, J.**, Underwood, J., Valatis, R., & Wong, C. *Building and Sustaining the Nursing Workforce for Better Patient Outcomes*. Ontario Ministry of Health and Long-Term Care, \$3,000,000 (2009-2012)

Tregunno, D., Ginsburg, L., Norton, P., Campbell, H., & **Medves, J.** *Assessment of and the Factors that Influence Patient Safety Competence among Health Care Professionals at Entry to Practice*. Canadian Patient Safety Institute, \$121,649 (2010-2012).

Publications

Harrison, M.B., Nicklin, W., Owen, M., **Godfrey, C.**, **McVeety, J.**, & **Angus, V.** for the QJBC Team (in press). *Activating Knowledge for Patient Safety Practices: A Canadian Academic-Policy Partnership*, WorldViews on Evidence-based Nursing.

Paterson, M., **Medves, J.**, Dalgarno, N., O'Riordan, A., Grigg, R. (in press) *The Timely Open communication for Patient Safety Project*. Journal of Research in Interprofessional Practice and Education

Sears, K. & Scobie, A., & MacKinnon, N.J. (in press). *Risk factors for self-reported medication errors in the hospital and community settings in eight countries*. Canadian Pharmaceutical Journal.

Sears, K. & Goodman, W.M. (accepted with revisions). *Risk factors for Increased Severity of Medication Administration Errors*. Healthcare Quarterly.

Sears, K. (in press). *Health human resources: A catalyst towards safer medication administration in hospitals*. In S. Nelson & D. Doran (Eds.), Mapping the field: Nursing scholarship in health human resources. (81-91). Toronto: Lawrence S Bloomberg Faculty of Nursing, University of Toronto.

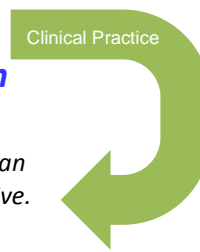
Major Reports:

Harrison, M.B., **Keeping-Burke L.**, **Godfrey, C.M.**, and the Canadian Patient Safety Institute Patient Safety Team. *Safety at Home: A Pan-Canadian Home Care Safety Study Literature Synthesis/Summary, April 29, 2011*



STREAM #2: Pain: The Fifth Vital Sign

Focuses on the complex nature of pain and related symptoms at the population and individual level from an epidemiologic, assessment and management perspective.



Theme(s): Complex Populations, Health Care Quality

Lead: E. Vandenberg

Grant Activity

Funding received in 2011:

Clark, A.J.M., Cooper, L., Lynch, L., **VanDenKerkhof, E.G.** *Stakeholder Meeting: Canadian Pain Summit*. Canadian Institute of Health Research Meetings, Planning and Dissemination Grant: Dissemination Event. \$17,500 (2011-2012).

Milne, B., McVicar, J., Ashbury, T., **VanDenKerkhof, E.G.**, Holden, R. *A clinical tool to predict adverse behaviour at the induction of anesthesia in Children*. Senate Advisory Committee, Queen's University, \$8,243 (2011-2012).

Ongoing Funding in 2011

VanDenKerkhof, E.G., Bruce, J., Peters, M. *International Chronic Postsurgical Pain Collaboration*. International Strategic Opportunities Program, Ontario Ministry of Research and Innovation, \$150,000 (2009-2013).

VanDenKerkhof, E.G., Peters, M., Bruce, M. *Understanding the epidemiology of chronic pain after surgery*. International Association for the Study of Pain Collaborative Research Grants Program, \$14,500 (2010-2012).

VanDenKerkhof, E.G., Gilron, I., Johnson, A., Smith, B., Torrence, N., Bennett, M. *The epidemiology of neuropathic pain in Canada*. Pfizer Canada 2009 Neuropathic Pain Research Award, \$150,000 (2010-2012).

Moulin, D.E., Clark, J., Genge, A., Gilani, A., Gordon, A., Lynch, M., Morley-Forster, P.K., Smyth, C., Toth, C., Ware, M., Wynne, L., **VanDenKerkhof, E.G.**, Nathan, H. *Canadian Multicentre Neuropathic Pain Database (NePDAT) to Determine Long-Term Outcomes and Benefits of Management of Chronic Neuropathic Pain*. Pfizer Canada & Canadian Foundation for Innovation (##7878) (2009-12).

Publications

VanDenKerkhof, E.G., Hopman, W.M., Goldstein, D.H., **Wilson, R.A.**, Towheed, T.E., Lam, M., **Harrison, M.B.**, Reitsma, M.L., **Johnston, S.L.**, Medd, J.D., & Gilron, I. (in press). *Impact of Perioperative Pain Intensity, Pain Qualities, and Opioid Use on Chronic Pain After Surgery: A Prospective Cohort Study*, Regional Anesthesia and Pain Medicine 37(1), 19-27.

Reitsma, M., **Tranmer, J.**, **Buchanan, D.**, **VanDenKerkhof, E.G.** (in press). *Sociodemographic predictors of chronic pain in Canadians: A gender-based analysis*. Pain Research and Management.

VanDenKerkhof, E.G., Peters, M., Bruce, J. (in press). *Chronic pain after surgery: Time for standardization? A framework to establish core risk factor and outcome domains*. The Clinical Journal of Pain.

Reitsma, M., **Tranmer, J.**, **Buchanan, D.**, **VanDenKerkhof, E.G.** (2011) *The prevalence of chronic pain and pain-related interference in the Canada population from 1994 to 2006*. Chronic Diseases in Canada. 31(4):157-164.

VanDenKerkhof E.G., Macdonald, H.M., Jones, G.T., Power, C., Macfarlane, G.J. (2011) *Diet, lifestyle and chronic widespread pain: results from the 1958 British Birth Cohort Study*. Pain Research and Management. 16(2):87-92.



STREAM #3: Knowledge Translation with Vulnerable Populations (KT-VP)

Working with community partners we face the challenge of evidence implementation, ethics and research in long term care and community settings.



Theme(s): Knowledge to Action, Complex Populations

Lead(s): M.B. Harrison & R. Wilson

Grant Activity

Funding Received in 2011:

Harrison M. B., Knott, T. C., **Godfrey C.M.**, Ward-Moser S., & George M. *Integrating Knowledge Translation of Evidence in Home Care & Long-Term Care: Pain as an Exemplar*. Canadian Institutes for Health Research KT Planning Grant, \$24,000 (2011-2012).

Ongoing Funding in 2011:

Harrison, M.B. *Knowledge translation through guideline adaptation for cancer care. Cancer Guidelines Adaptation Project and Resource, Phases 1-3*. Canadian Partnership Against Cancer, \$1,689,755 (2007-2012).

Publications

Reimer, B., Kulig, J., Gallagher, A., Townshend, I., **Edge, D.S.**, & Lightfoot, N. (in press). *The Lost Creek fire: Managing social relations under disaster conditions*. Disasters Journal.

Edge, D. S. (in press). *Epidemiology, demography, and community health*. In A.R. Vollman, E.T. Anderson, & J. McFarlane (Eds). Canadian community as partner: Theory & multidisciplinary practice, 3rd ed. (pp. 44-70). Philadelphia: Lippincott Williams & Wilkins.

Godfrey, C.M., Harrison, M.B., Lysaght, R., **Lamb, M.**, Graham, I.D., & Oakley, P. (2011) *Care of self – care by other – care of other: the meaning of self-care from research, practice, policy and industry perspectives*. International Journal of Evidence-Based Healthcare, 9, 3–24

Gulati, S., **Paterson, M.**, **Medves, J.** & Luce Kapler, R. (2011) *Use of critical ethnographic approach to inform change in the lives of adolescents with disabilities*. The Qualitative Report, 16(2) 523-562

Gaudine, A., **Lamb, M.**, LeFort, S., & Thorne, L. (2011). *The functioning of hospital ethics committees: A multiple-case study of four Canadian committees 10-2011*, HEC Forum, 23, 225-2xx.

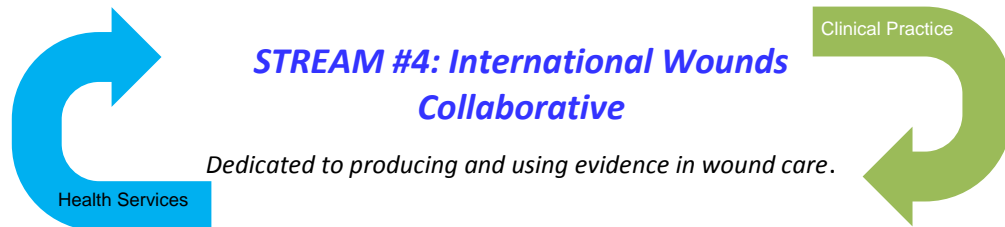
Gaudine, A., LeFort, S., **Lamb, M.**, & Thorne, L. (2011). *Clinical ethical conflicts of nurses and physicians, 1-2011*, Nursing Ethics, 18(1), 9-19.

Gaudine, A., **Lamb, M.**, LeFort, S., & Thorne, L. (2011). *Barriers and facilitators to consulting hospital clinical ethics committees, 6-2011*, Nursing Ethics, 18(6), 767-780.

Gaudine, A., LeFort, S., **Lamb, M.**, & Thorne, L. (2011). *Ethical conflicts with hospitals: The perspective of nurses and physicians, 6-2011*, Nursing Ethics, 18(6), 756-766.

Lamb, M. & Storch, J., (2011). *A historical perspective on nursing and nursing ethics*. In J.L. Storch, P. Rodney, & R. Starzomski (Eds), Toward a moral horizon. Nursing ethics for leadership and practice. 2nd ed, 20-40. Toronto: Pearson.

Keyser, S.E., Buchanan, D., & Edge, D. (2011). *The use of focus groups to develop an educational intervention for families of the elderly*. *Perspectives: Journal of the Gerontological Nursing Association*, 34(3), 18-26.



Theme(s): *Knowledge to Action, Complex Populations*

Lead(s): M.B. Harrison & K. Woo

Grant Activity

Funding applications submitted in 2011 and under review:

VanDenKerkhof, E.G., Harrison, M.B., Hopman, W. *Maintaining health, function and autonomy in aging community-dwelling Canadians living with chronic conditions*. Botterell Foundation, Queen's University, \$15,000 (2012-2013).

Woo, K. & Harrison, M.B. *Knowledge translation project for the management of people with leg ulcers and co-existing circulation problems*. Under review Canadian Institutes for Health Research Meetings & Dissemination, \$24,909 (2012-2013).

Harrison, M.B., Nelson, E.A. (Co-PIs), Vandenberg, E., Medves, J., Almost, J. & Woo, K. *Knowledge translation to improve care for Canadians with a chronic condition*. Under review Canadian Institutes of Health Research, \$100,000 (2012-2013).

Funding received in 2011:

Harrison, M.B. & Vandenberg, E. *Canadian Wound Health Services Trial: Next steps for practice and policy*. Canadian Institutes of Health Research Meetings & Dissemination Grant, \$34,000 (2011-2012).

Sears, K., et al. *Leg ulcers with circulation problems: Survey of knowledge, attitude and practices*. Queens University Research Development Fund, \$ 2,500 (2011)

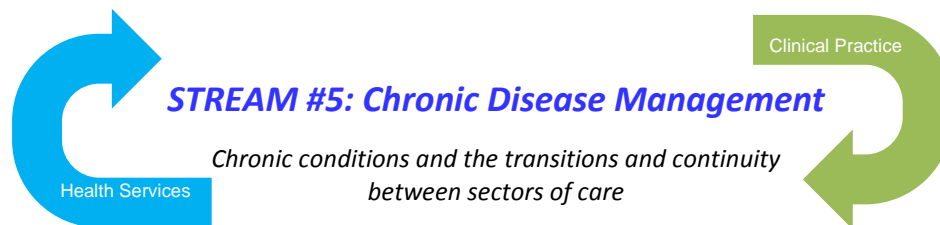
Publications

Harrison, M.B., Vandenberg, V.G., Hopman, W.M., Graham, I.D., Carley, M.E., Nelson, A.E., & the Canadian Bandaging Trial Group (2011). *The Canadian Bandaging Trial: Evidence-informed leg ulcer care and the effectiveness of two compression technologies*. *BIOMED Nursing*. <http://www.biomedcentral.com/1472-6955/10/20>

Hopman, W.M., Harrison, M.B., Carley, M., & Vandenberg, E.G. (2011). *Additional support for simple imputation of missing quality of life data in nursing research*. *International Scholarly Research Network Nursing*, Volume 2011, Article ID 752320, <http://downloads.isrn.com/journals/nursing/2011/752320.pdf>

Vandenkerkhof, E., Friedberg, E., & Harrison, M.B. (2011). *Prevalence and risk of Pressure Ulcers in Acute Care Following Implementation of Practice Guidelines: Annual Pressure Ulcer Prevalence Census 1994-2008*. Journal for Healthcare Quality, 33(5), 58-67

Harrison, M.B., VandenKerkhof, E., Hopman, W.M., Graham, I.D., Lorimer, K., & Carley, M. (2011). *Evidence-informed Leg Ulcer Care: Cohort Study of Individuals Choosing Nurse Clinic or Home Care*. Journal of Ostomy Wound Management, 57(8), 38-45



Theme(s): *Complex Populations, Health Care Quality*

Lead(s): J. Tranmer

Grant Activity

Funding received in 2011:

Tranmer, J., VanDenKerkhof, E., Edge, D., Sears, K., Levesque, L. *The prescribing trends of nurse practitioners to older adults in Ontario: 2000 – 2010*. Senate Advisory Committee, Queen's University. \$10,000 (2011-2013).

Tranmer, J.E., Edge, D., VanDenKerkhof, E.G. *Defining and Optimizing Nursing Contribution to Chronic Disease Care Within the Primary Care Setting*. Canadian Institute of Health Research Meetings, Planning and Dissemination Grant: Planning Grant, \$22,780 (2011-2012).

Tranmer, J., Aronson, K.J., Janssen, I., McGillis-Hall, L., Collier, C., Day, A. *Shiftwork and cardiovascular risk in women*. Canadian Institute of Health Research, \$357,048 (2011-2014).

Funding Ongoing in 2011:

Tranmer, J., VanDenKerkhof, E., Edge, D., McColl, M., Birtwhistle, R., Green, M. *Defining nursing contribution within primary care practices*. Primary Health Care System Program (MOHLTC), \$10,000 (2010–2011).

Brown, P., Tranmer, J., Zelt, D., Ross, R., Brown, A., Ruddan, J. *Optimizing conservative management in peripheral arterial disease (PAD)*. AHSC Innovation Fund, \$100,000 (2010–2012)

Publications

Tranmer, J., Edge, D., VanDenKerkhof, E., Nijboer, J., Green, M., Birtwhistle, R., McColl, M., Kelly, C. (2011) *Describing nursing contribution to chronic disease management in primary care practices in Ontario: A research program (Phase 1 and 2)*. MOHLTC Health Research Showcase, Toronto, ON.

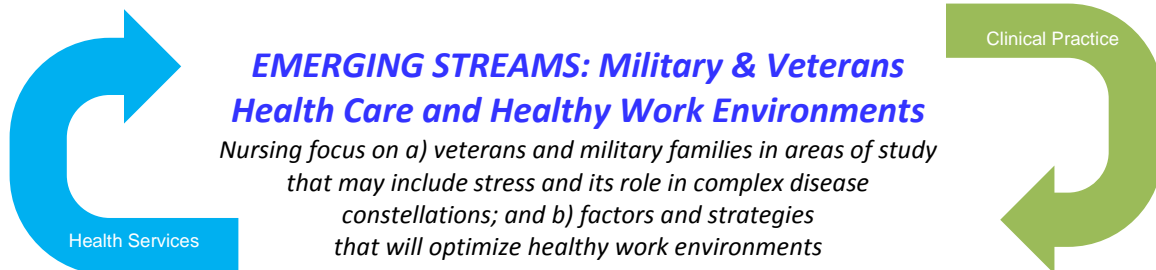
Tranmer, J. Brown, P., Sagar, S., Zelt, D., Brown, A. (2011) *Factors associated with walking performance in peripheral vascular patients with claudication*. Canadian Cardiovascular Congress, Vancouver, BC and Canadian Vascular Society Annual Meeting, St. John's Newfoundland, September 2011. Canadian Journal of Cardiology, 27(S.5; S179).

Sagar, S., Brown, P., Pickett, W., **Tranmer, J.** (2011) *Validation of the Walking Impairment Questionnaire for evaluation of the severity of claudication pain among patients with peripheral arterial disease*. National Student Conference of Canadian Society of Epidemiology & Statistics, Montreal, QC.

Sagar, S., Brown, P., Pickett, W., **Tranmer, J.** (2011) *Validation of the Walking Impairment Questionnaire for evaluation of the severity of claudication pain among patients with peripheral arterial disease*. 14th annual meeting for Health Sciences Research Trainees, Faculty of Health Sciences, Queen's University, Kingston, ON.

Tranmer, J., Berard, D., **VanDenKerkhof, E.**, **Harrison, M.** (2011) *Gender differences in the relationships between social support and long term functional outcomes in older persons with heart failure*. University of British Columbia Centre for Health Services Policy Research Annual Scientific Conference, Vancouver, BC

Tranmer, J., Madarnas, Y., Groll, D., **Luctkar-Flude, M.** (2011). *Identifying risk for physical functional decline in older women following breast cancer treatment: Development and validation of a self-report tool*. Ontario Institute for Cancer Research/ Cancer Care Ontario Health Services Research Program, Hamilton, ON.



Theme(s): *Complex Populations, Knowledge to Action, Health Care Quality*

Lead(s): Leadership evolving

Grant Activity

Submitted/under review:

Aiken, A.B., Jung, H., Pedlar, D., Sareen, J., Asmundson, G., Belanger, S.A.H., Elliott, S., **Harrison, M.**, Lanius, R., Milev, R., Monson, C., Norris, D., Parikh, S., Richardson, D. *Canadian Network for Military and Veterans Health – Adapting PTSD Guidelines for Primary Care*. \$599,910. CIHR – Network Catalyst Grant. Submitted December 15, 2011.

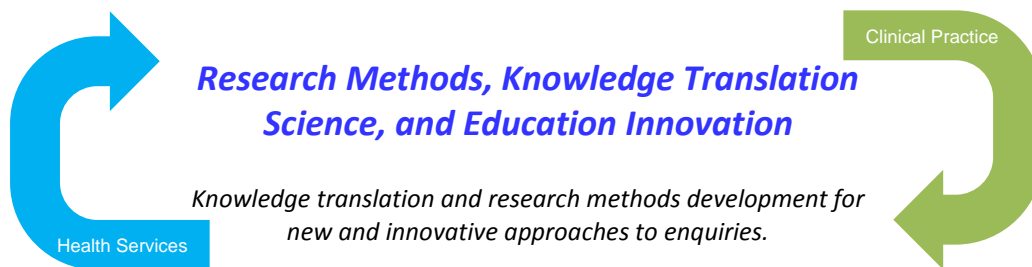
Publications:

Grundy, A., **Tranmer, J.**, Richardson, H., Graham, C. and Aronson, K. (2011) *The influence of light at night exposure on melatonin levels among Canadian rotating shift nurses*. Cancer Epidemiology, Biomarkers and Prevention. (Epub, 2011)

McPherson, M., Janssen, I., Grundy, A., **Tranmer, J.**, Richardson, H., Aronson, K. (2011) *Physical activity, sedentary behaviour and melatonin among rotating shift nurses*. Journal of Occupational and Environmental Medicine. 53(7), 716-721.

Grundy A, **Tranmer J**, Richardson H, Bajdik C, Graham C, Lai AS, Sinelli JJ, Aronson KJ. (2011) *The influence of shift work and light at night exposure on melatonin levels and breast cancer risk*. International Symposium on Epidemiology and Occupational Health, Oxford, Sept 7-9, 2011. Occupational and Environmental Medicine; 68(S.1):A1-A127.

Tranmer, J., Kirk, M., Janssen, I. (2011) *Shift work and indicators of cardiovascular risk in female hospital employees*. Canadian Cardiovascular Congress, Vancouver, BC, September 2011. Canadian Journal of Cardiology; 27(S.5), 69-70.



Leads: Foundational research encompasses all PRN scientists

Grant Activity

Funding received:

Kulig, J., Townshend, I., Shepherd, B., Awosogo, O., **Edge, D.**, Reimer, B., Lightfoot, N. & Ross., R. *Responses to Wildfires—Links to community Resiliency*. The Alberta Centre for Child, Family and Community Research, \$40,000. (2011-2012)

Luctkar-Flude, M., Pulling, C., Tyerman, J., Wilson-Keates, B., & Larocque, M. *Critical assessment and interventions for the unresponsive patient: One year longitudinal follow-up*. Queen's University and Queen's University Faculty Association Fund for Scholarly Research and Creative Work and Professional Development (Adjuncts) \$5000 (2011).

Publications

Dogherty, E.J., **Harrison, M.B., Baker, C.**, & Graham, I.D. (in press). *Following a natural experiment of guideline adaptation and early implementation: a mixed-methods study of facilitation*. Implementation Science (MS ID 8931906215757444)

Hutchinson, A.M., Bioeth, M., Wilkinson, J.E., Kent, B., & **Harrison, M.B.** (in press). *Using the promoting action on research implementation in health services framework to guide research use in the practice setting*. Worldviews on Evidence-based Nursing.

Luctkar-Flude, M., Baker, C., Medves, J., Tsai, E., Phalen, L., Goyer, M.C., & Krause, A. (In press). *Evaluating an interprofessional pediatrics educational module using simulation*. Clinical Simulation in Nursing.

Baker, C., Medves, J., Luctkar-Flude, M., Hopkins-Rosseel, D., **Pulling, C.,** & Kelly, C. (in press). *Evaluation of a simulation-based interprofessional educational module on adult suctioning using action research.* Journal of Research in Interprofessional Practice and Education.

Byrnes, V., Schroder, C., O'Riordan, A., Chapman, C., **Medves, J.,** Paterson, M. & Grigg, R. (in press). *South Eastern Interprofessional Collaborative Learning Environment (SEIPCLE): Nurturing Collaborative Practice.* Journal of Research in Interprofessional Practice and Education

Medves, J. M., Paterson, M., Broers, T., & Hopman, W. (in press). *The QUIPPED project: Students' attitudes towards integrating interprofessional education into the curriculum* Journal of Research in Interprofessional Practice and Education.

Luctkar-Flude, M., Wilson-Keates, B., & Larocque, M. (in press). *Evaluating human simulators and standardized patients in an undergraduate nursing health assessment course.* Nurse Education Today. (Advance online publication, 2011)

Smith, S.C., Neely, S., Foster, K., & **Luctkar-Flude, M.** (in press). *Nursing assessment: Visual and auditory systems.* In S.L. Lewis, M.M. Heitkemper, S.R. Dirksen, P.G. O'Brien, L. Bucher, M.A. Barry, S. Goldsworthy & D. Goodridge (Eds). Medical-Surgical Nursing in Canada (3rd Ed). Elsevier: Toronto.

Milne, B., **VanDenKerkhof, E.G.,** Phelan, R., Nakatsu, K. (in press) *Does Carbon Monoxide Play a Role in Cigarette Smoke Dependence?* Addiction Research and Theory. [Epub ahead of print, 2011].

Langley, A., Graham, C., Grundy, A., **Tranmer, J.,** Richardson, H., Aronson, K. (2011) (i) *Sex hormones and melatonin metabolites among rotating shift nurses.* British Medical Journal. (Open; 2:e000532 doi:10.11361).

Fervers, B., Burgers, J.S., Voellinger, R., Brouwers, M., Browman, G.P., Graham, I.D., **Harrison, M.B.,** Latreille, J., Mlika-Cabane, N., Paquet, L., Zitzelsberger, L., Burnand, B. (2011). *The ADAPTE Collaboration. Guideline adaptation: An approach to enhance efficiency in guideline development and improve utilisation.* British Medical Journal Quality & Safety, 20(3), 228-326. <http://qualitysafety.bmj.com/>

Marshall, C., **Medves, J.,** Docherty, D., Paterson, M. (2011) *Interprofessional Jargon: How is it exclusionary? Cultural determinants for Language Use in Health Care Practice.* Journal of Interprofessional Care, 25(6) 452-453

Chapman, C., Paterson, M., & **Medves, J. M.** (2011). *The QUIPPED Project: Exploring relevance and rigor of action research using established principles and criteria.* The Qualitative Report, 16(1), 208-228.

Reitsma, M., **VanDenKerkhof, E.G.,** Johnston, S., Hopman, W. (2011). *Does health-related quality of life improve in women following gynaecological surgery?* Journal of Obstetrics and Gynaecology Canada, 33(12):1241-1247.

Herman, K.M., Hopman, W.M., **VanDenKerkhof, E.G.,** Rosenberg, M.W. (2011) *Physical activity, weight status and health-related quality of life in Canadian adults.* Medicine & Science in Sports & Exercise. doi: 10.1249/MSS.0b013e31823a90ae.

Digel-Vandyk, A., Brenner, I., **Tranmer, J., VanDenKerkhof, E.G.** (2011) *Depressive symptoms before and after elective hysterectomy.* Journal of Obstetric, Gynecologic and Neonatal Nursing. 40(5):566-576

Appendix B: Submitted, Reviewed not funded. *To be resubmitted*

VanDenKerkhof, E.G. (PI), **Harrison, M.B.**, & **Hopman, W.** *Maintaining health, function and autonomy in aging community-dwelling Canadians with a chronic condition* Canadian Institute of Health Research, Secondary Data Analysis, \$96,380 (2011, unfunded).

VanDenKerkhof, E.G., & Gilron, I. (co-PIs) **Hopman, W.**, Goldstein, D.H., Pukall, C., **Wilson, R.A.**, Lam, M., Belliveau, P., & **Johnston, S.** *Collaborators: Harrison, M.B.*, Bruce, J., & Peters, M. Canadian Institute of Health Research. *Clinical investigation of transition to chronic pain after gastroenterological gynecological, and urological surgery*, \$673,134 (2011, unfunded).

Mann, E. (PhD student) & **VanDenKerkhof, E.G.** (Supervisor). *Coping with chronic pain: Can self-management strategies lead to improved health and decreased healthcare use?* CIHR Doctoral Award, 2011

Goldstein, D.H. (PI), **VanDenKerkhof, E.G.**, Gilron, I., **Hopman, W.**, **Wilson, R.**, Jaeger, M., & **Johnston, S.** *Predictors of treatment-resistant postoperative pain and impact on healthcare resource utilization*. AHSC AFP Innovation Fund, \$79,754. (2011, unfunded).

Sears, K. (PI), **VanDenKerkhof, E.G.**, Levesque, L., **Tranmer, J.**, & **Edge, D.** *Adverse Drug Events for vulnerable children in Ontario*. Canadian Institute of Health Research Secondary Data Analysis \$335,613 (2011, unfunded).

Sears, K. (PI) **VanDenKerkhof, E.**, Edge, D, **Tranmer, J.**, & Levesque, L. *The prescribing trends by nurse practitioners for children of a low socioeconomic status or inflicted with a disability in Ontario: 2000 - 201* Senate Advisory Committee, Queen's University, \$10,000 (2011, unfunded).

Edge, D. *The prescribing trends by nurse practitioners for children of a low socioeconomic status or inflicted with a disability in Ontario: 2000-2010*. Senate Advisory Research Committee \$10,000 (2011 unfunded)