

# QUARTERLY RESEARCH HIGHLIGHTS

By the McMaster School of Nursing

Jan. 1 to Mar. 31, 2021

\*indicates student

## PUBLICATIONS

### Books and chapters

Staples, E., Pilon, R., **Hannon, R.A.** (eds.) (2021). *Canadian perspectives on advanced practice nursing*, 2<sup>nd</sup> edition. Toronto: Canadian Scholars' Press.

### Journal articles – Peer-reviewed

1. Belita, E. \*, Yost, J., Squires, J.E., **Ganann, R., Dobbins, M.** (2021). Development and content validation of a measure to assess evidence-informed decision-making competence in public health nursing. *PLoS ONE* 16(3): e0248330. <https://doi.org/10.1371/journal.pone.0248330> (March 10, 2021).
2. Neil-Sztramko, S. E. \*, Belita, E. \*, Traynor, R. L., Clark, E., Hagerman, L., **Dobbins, M.** (2021). Methods to support evidence-informed decision-making in the midst of COVID-19: Creation and evolution of a rapid review service from the National Collaborating Centre for Methods and Tools. *Research Square* (preprint). <https://doi.org/10.21203/rs.3.rs-289581/v1> (March 3, 2021).
3. Aarabi B, **Akhtar-Danesh N**, Simard JM MD, PhD, Chryssikos T, Shanmuganathan K, Olexa J, Sansur C, Crandall K, Wessell A, Cannarsa G, Sharma A, Diaz Lomangino C, Boulter J, Scarboro M, Oliver J, Ahmed AK, Wenger N, Serra R, Shea P, Schwartzbauer G. (2021). Efficacy of Early (<=24 hours), Late (25-72 hours), and Delayed (>72 hours) Surgery with MRI-Confirmed Decompression in AIS grades C, D, Acute Traumatic Central Cord Syndrome Due to Spinal Stenosis. *J Neurotrauma*. 2021 Mar 17. doi: 10.1089/neu.2021.0040. Online ahead of print (March 17, 2021).
4. Akhtar-Danesh GG, **Akhtar-Danesh N**, Finley C. (2021). Uptake and Survival Effects of Minimally Invasive Surgery for Lung Cancer: A Population-Based Study. *European Journal of Surgical Oncology*, 2021 Jan 13;S0748-7983(21)00002-0. doi: 10.1016/j.ejso.2021.01.002. Online ahead of print (January 13, 2021).
5. **Akhtar-Danesh N**, Akhtar-Danesh GG, Seow H, Shakeel S, Finley C. (2021). Trends in Survival based on Treatment Modality for Gallbladder Cancer: A Population-Based Study. *Journal of Gastrointestinal Cancer*, 52(1):256-262. doi: 10.1007/s12029-020-00397-w (March 2021).
6. Beddard-Huber, E., **Strachan, P.**, Brown, S., Kennedy, V., Marles, M.M., Park, S., Roberts, D. (2021). Supporting nurses' engagement with Serious Illness Conversations: an

adapted resource. *The Journal of Hospice and Palliative Nursing*, 23 (1). DOI: 10.1097/NJH.0000000000000712

7. **Boamah, S.A.**, Callen, M., & Cruz, E. (2021). Nursing faculty shortage in Canada: A scoping review of contributing factors. *Nursing Outlook*, 1–15. <https://doi.org/10.1016/j.outlook.2021.01.018>
8. **Boamah, S.A.**, Weldrick, R., Lee, T.J., & Taylor, N. (2021). Social isolation among older adults in long-term care: A scoping review. *Journal of Aging & Health*. <https://doi.org/10.1177/08982643211004174>
9. de Laat, S., **Wahoush, O.**, Jaber, R. *et al.* A case analysis of partnered research on palliative care for refugees in Jordan and Rwanda. *Confl Health* 15, 2 (2021). <https://doi.org/10.1186/s13031-020-00333-6>
10. **Dobbins, M.**, Dubois, A., Atkinson, D., Bellefleur, O., Bekter, C., Haworth-Brockman, M., Ma, L (2021). Nimble, Efficient and Evolving: The Rapid response of the National Collaborating Centres to COVID-19 in Canada and lessons learned. *Health Promotion and Chronic Disease Prevention: Research, Policy and Practice Journal*, 2021 Feb 17;41(5). doi: 0.24095/hpcdp.41.5.03. Online ahead of print. <https://doi.org/10.24095/hpcdp.41.5.03>. (February 17, 2021).
11. Durepos P, **Akhtar-Danesh N**, **Ploeg J**, Sussman T, **Kaasalainen S**. (2021). Caring ahead: Mixed methods development of a questionnaire to measure caregiver preparedness for end-of-life with dementia. *Palliat Med*. 2021 Apr;35(4):768-784. doi: 10.1177/0269216321994732 (Feb 23, 2021).
12. **Fisher, K.A.**, Griffith, L., Gruneir, A., Perez, R., Favotto, L., Nguyen, F., **Ploeg, J.**, **Markle-Reid, M.**, **Upshur, R.** (2021). Effect of socio-demographic and health factors on the association between multimorbidity and acute care service use: population-based survey linked to health administrative data. *BMC Health Services Research*, 21:62. [Doi: 10.1186/s12913-020-06032-5](https://doi.org/10.1186/s12913-020-06032-5).
13. Howell, D., Powis, M., Kirkby, R., Amernic, H., Moody, L., **Bryant-Lukosius, D.**, O'Brien, M.A., Rask, S., Krzyzanowska, M.D. (2021). Improving the quality of self-management support in ambulatory cancer care: Organizational and clinician readiness, barriers, and enablers for tailoring of implementation strategies to multi-sites: A mixed method study. *BMJ Quality and Safety*, Published Online First: **16 March 2021**. doi: 10.1136/bmjqs-2020-012051.
14. **Jack, S.M.**, Gonzalez, A., Marcellus, L., Tonmyr, L., Varcoe, C., Van Borek, N., Sheehan, D., MacKinnon, K., Campbell, K., Catherine, N., Kurtz Landy, C., MacMillan, H., & Waddell, C. (2021). Public health nurses' professional practices to prevent, recognize and respond to suspected child maltreatment in home visiting: An interpretive descriptive study. *Global Qualitative Nursing Research*, 2021 Feb 11;8:2333393621993450. doi: 10.1177/2333393621993450 (February 11, 2021).
15. Khoury, J.E., Atkinson, L., Bennett, T., **Jack, S.M.**, & Gonzalez, A. (2021). COVID-19 and mental health during pregnancy: The importance of cognitive appraisal and social support. *Journal of Affective Disorders*, 282:1161-1169. doi: 10.1016/j.jad.2021.01.027 (March 1, 2021).

16. Lee, R., **Baumann, A.**, Beckford, D., Jakabne, L., Blythe, J., Hirst, L., Cordon, C., & Quan, S. (2021). Multiorganizational partnerships – A mechanism for increasing the employment of internationally educated nurses. *Canadian Journal of Nursing Leadership*.
17. Manja, V., Nrusimha, A., MacMillan, H.L., Schwartz, L., & **Jack, S.M.** (2021). Use of ecomaps in qualitative health research. *The Qualitative Report*, 26(2):412-442. doi: 10.46743/2160-3715/2021.4565 (February 7, 2021).
18. **Markle-Reid, M., Ganann, R., Ploeg, J.**, Heald-Taylor, G., Kennedy, L., McAiney, C., Valaitis, R. (2021). Engagement of older adults with multimorbidity as patient research partners: Lessons from a patient-oriented research program. *Journal of Multimorbidity and Comorbidity*, 11,1-11. <https://doi.org/10.1177%2F2633556521999508>.
19. **McGillion MH**, Parlow J, Borges FK, et al; on behalf of the PVC-RAM Investigators. Post discharge after surgery Virtual Care with Remote Automated Monitoring technology (PVC-RAM): protocol for a randomized controlled trial. *CMAJ Open*, doi: 10.9778/cmajo.20200176 cmajo March 2, 2021. 9(1):e142-e148
20. **Northwood M, Ploeg J, Markle-Reid M, Sherifali D.** (2021). The complexity of living with diabetes and urinary incontinence for older adults with multiple chronic conditions receiving home-care services: An interpretive description study. *Global Qualitative Nursing Research* 8:1-14. (<https://us.sagepub.com/en-us/nam/open-access-at-sage>. [Doi: 10.1177/2333393621993452](https://doi.org/10.1177/2333393621993452)).
21. Orr, E., Durepos, P., Jones, V., & **Jack, S.M.** (2021). Risk of secondary distress for graduate students conducting qualitative research on sensitive subjects: A scoping review of Canadian dissertations and theses. *Global Qualitative Nursing Research*, 2021 Feb 12;8:2333393621993803. doi: 10.1177/2333393621993803 (February 12, 2021).
22. Roshanov P, Guyatt GH, Tandon V, Borges FK, Lamy A, Whitlock R, Biccand BM, Szczeklik W, Panju M, Spence J, Garg AX, **McGillion M**, Eikelboom JW, Sessler DI, Kearon C, Crowther M, VanHelder T, Kavsak PA, de Beer J, Winemaker M, Le Manach Y, Sheth T, Pinthus JH, Siegal D, Thabane L, Simunovic MRI, Mizera R, Ribas S, Devereaux PJ. (2021). Preoperative prediction of bleeding independently associated with mortality after noncardiac surgery (BIMS): An international prospective cohort study. *Br J Anaesth*. 2021 Jan;126(1):172-180. doi: 10.1016/j.bja.2020.02.028. Epub 2020 Jul 24
23. Shakeel S, Dhanoa M, Khan O, Dibajnia P, **Akhtar-Danesh N**, Behzadi A. (2021). Wait times in the management of non-small cell lung carcinoma before, during and after regionalization of lung cancer care: a high-resolution analysis. *Can J Surg*. 2021 Mar 26;64(2):E218-E227. doi: 10.1503/cjs.013319 (March 26, 2021).
24. Sushko, K.\*, Tschirhart Menezes, H.\*, **Strachan, P., Butt, M., and Sherifali, D.** (2021). Self-management education among women with pre-existing diabetes in pregnancy: A scoping review. *International Journal of Nursing Studies*. 117(6). <https://doi.org/10.1016/j.ijnurstu.2021.103883>.
25. Tiwari, A., Smith, S., Wekerle, C., Kimber, M., **Jack, S.M.**, MacMillan, H., & Gonzalez, A. (2021). Trauma services for youth victims of sexual abuse – does one size fit all? A qualitative study among service providers in Ontario, Canada. *Child Abuse and Neglect*, 112:104903. doi: 10.1016/j.chiabu.2020.104903 (Epub January 4, 2021).

## Articles - Non-Peer Reviewed

1. Bokma A, Shepherd T, **Sherifali D.** (2021). 10 ways to support your loved one with diabetes. *Diabetes Canada*. <https://www.diabetes.ca/about-diabetes/stories/10-ways-to-support-your-loved-one-with-diabetes>. February 11, 2021
2. Garnett, A., Northwood, M., & Sangrar, R. (2021). Caregivers and COVID-19: Silent Struggles. *The Conversation*. Published Jan. 21, 2021.  
<https://theconversation.com/older-caregivers-struggling-with-extra-burdens-of-home-care-during-covid-19-152373>

## PRESENTATIONS

\*note: Due to the pandemic, all presentations were virtual.

1. Akhtar-Danesh G, **Akhtar-Danesh N**, Finley C. The Uptake of Minimally Invasive Surgery for Early Stage Lung Cancer and its Effects on Survival: A Population-Based Study. The Society of Thoracic Surgeons (STS) Workforce Annual Meeting (Virtual), Chicago, IL, (Poster presentation). Jan. 29-31, 2021
2. Akhtar-Danesh G, **Akhtar-Danesh N**, Shargall Y. Venous Thromboembolism in Lung Cancer Patients: A Population-Based Study. World Conference on Lung Cancer, Singapore, Jan. 28-31, 2021.
3. **Baumann, A.** How care has changed - Measuring the value of nursing. Nursing Now Forum, Japan. (2021, January 21).
4. **Baumann, A.** Q&A with a global health expert [Keynote Speaker]. Friends of Médecins Sans Frontières (MSF), Queen's University, Kingston, Ontario. (2021, March 31).
5. **Baumann, A.**, Crea-Arsenio, M., Hutchinson, D., Raponi, N., & Yoon, J. Current state of the healthcare workforce - A roadmap to integrating internationally educated professionals (IEPs) [Webinar]. (March 24, 2021).
6. Clark, E., **Dobbins, M.** The Knowledge Broker Mentoring Program: Developing capacity for evidence-informed decision making. (Oral). Evidence and Implementation Summit, March 30-31, 2021.
7. Clark, E., Snelling, S., **Dobbins, M.** Beyond research evidence: Quality assessment of contextual and community evidence. (Oral). Evidence and Implementation Summit, March 30-31, 2021.
8. **Dobbins, M.** Education Sector – Preparedness and Outbreak Planning Table (ES-POP): Summary of activities. Ontario Ministry of Health, Health Coordination Table, January 20, 2021.
9. **Dobbins, M.** EIS2021: Discussion Event 01: Synthesising & mobilising evidence. Centre for Evidence and Implementation Summit 2021, Sydney, Australia, March 30, 2021.
10. **Dobbins, M.** Racing against COVID-19: Rapid responses to equip public health with evidence for COVID-19, COVID-END Partners meeting, March 4, 2021.
11. **Dobbins, M.** The McMaster Optimal Aging Portal, Athabasca Rotary Club, February 3, 2021.

12. **Dobbins, M.**, Read, K., Dhaliwal, B. An organizational change process model and online registry of resources. (Oral). Evidence and Implementation Summit, March 30-31, 2021.
13. **Ganann, R.** on behalf of the MIRA Collaborative for Health & Aging (OSSU Centre). Patient Engagement in Research. WeRPN. [Oral presentation] (Mar. 16, 2021)
14. **Ganann, R.**, Neil-Sztramko, S. Applying co-design methods to development and testing of a novel intervention to support mobility and address health inequities in older adults: the EMBOLDEN study. Centre for Ageing Research Online Seminar Series, Lancaster University, Lancaster, UK. (Jan. 29, 2021).
15. Li, L.\* , Polanski, A., Lim, A., & **Strachan, P.H.** Transition to adult care for youth with medical complexity: Assessing needs and setting priorities for a health care improvement initiative. Poster, Children's Healthcare Canada Transitions to Adult Care Pop-Up Event (virtual). (2021, January 26-27).
16. MacNeil M, **Ganann R**, Abelson J, **Sherifali D**, Raina P, **Markle-Reid M**. What is the impact of older adult PPI in health research? A systematic review. Electronic poster presentation. Canadian Association for Health Services and Policy Research. March 26, 2021.
17. **McGillion M**, Slobogean G, Szczeklik W, Zarnke K. Panel Discussion: HIP ATTACK 1. Society for Perioperative Research and Care. Via Zoom webinar. Jan 13, 2021.
18. Nguyen, L., Davis, H., Bellefeuille, S., Ketelaar, M., Di Rezze, B., **Jack, S.**, & Gorter, J.W. Growing Together: The Process and Initial Outcomes of Partnering with Siblings in a Doctoral Patient-Oriented Research Study on Health Care Transition. Canadian Transitions Pop-Up Event. January 26, 2021.
19. Nguyen, L., Ketelaar, M., Di Rezze, B., **Jack, S.**, & Gorter, J.W. in partnership with the Sibling Youth Advisory Council. The BEST SIBS Study: A Qualitative Case Study to Understand the Experiences of Siblings of Youth with a Brain-Based Disability During Health Care Transition. Canadian Transitions Pop-Up Event. January 26, 2021.
20. Read, K., Howarth, C., **Dobbins, M.** When you need to know right now: Using Health Evidence™ to inform timely public health decisions (Oral). Evidence and Implementation Summit, March 30-31, 2021.
21. Saini, A.\* , **Chen, R.**, **Martin, L.**, **Palma, A.**, Pilla, J., **Pratt, M.**, & Seabrooke, A. Developing a Program for Excellence in Clinical Instruction: A Realist Evaluation. Global Virtual Summit on Nursing Education. March 15-16, 2021.
22. **Sherifali D** (panelist), Hatanaka D, Sharma A, Wharton S, Lau DCW, Patton I. Clinical Practice Guidelines webinar to review the methods used to create the guidelines. Obesity Canada and the Office of Lifelong Learning at the University of Alberta. February 9, 2021.
23. **Sherifali D**. Imagining the next 100 years of diabetes. International Diabetes Federation Conference. Brussels, Belgium. January 22, 2021.

# FUNDING

## Grants

1. Bhat V, Krishnan S, Peter E, Dubrowski A, Campbell D, **McGillion M**, Lou W. Could Digital Interventions Help Understand And “Flatten The Curve” Of Distress Due To Moral Injury Among Health Care Workers During The COVID Pandemic? Innovation for Defence Excellence and Security (IDEaS). \$200,000. 2021 Jan - 2021 Jun
2. Goodarzi, Z., Holroyd-Leduc, J. (PIs), McMillan, J., Hogan, D., Toohey, A., Simon, J., Sinnarajah, A., **Kaasalainen, S.**, Tanuseputro, P. (Co-Is), Virk, N. (PKU), Gorchynski, B., Ewa, V., Liu, B., Fox, L., Vig, C., Slobogian, V., Grinmann, M., Shankle, M.J., Silvius, J. (KUs), McKinley, G., Morishita, W., Gaetano, D., Poole, L., Hykaway, W. (Collaborators). Development and Implementation of a Clinical Care Pathway for Frail Older Adults in Long-Term Care. Canadian Foundation for Healthcare Improvement/Canadian Patient Safety Institute in conjunction with the CIHR, Centre for Aging and Brain Health Innovation, Saskatchewan Health Research Foundation and New Brunswick Health Research Foundation, \$150,000 (notified January 4, 2021). 2021 – 2022
3. Havaei, F., MacPhee, M., **Baxter, P.** & Keselman, D. Adaptation, implementation and evaluation of the Synergy tool in LTC: A case study of a resident needs assessment tool. Canadian Foundation for Healthcare Improvement- LTC+ Acting on Pandemic Learning Together, \$10,000; in-kind support \$25,000 from Louis Brier Home & Hospital, B.C. Jan. 2021 – Jan. 2022
4. Lamy A, Yusuf S, Devereaux PJ, Whitlock R, **McGillion M**, Fox-Robichaud A, Belley-Cote E, Spence J, Browne A, AlBoom M, Fremes S, Noiseux N, Perrault L, Allard R, Parlow J, Voisine P, Nagpal D, Arora R, Habbab L, Chedrawy E, Lomivorotov V, Poostizadeh A, Brown C, Sirota D. Decreasing Postoperative Blood Loss by Topical vs. Intravenous Tranexamic Acid in Open Cardiac Surgery (DEPOSITION) Trial. CIHR Project Grant Fall 2020 and Spring 2021. Budget Amount: \$1,212,526. 2021 Mar - 2024 Feb
5. **McGillion M**, Devereaux PJ, Scott T, Peter E, Doyle T. (PIs). Cols: Alvarado K, Andrews G, Bessissow A, Bhavnani S, Biccadd B, Buckley N, Busse J, **Carroll S**, Cheng, D, Choiniere, M, Conen, D, Cortes, OL, Cowan, D, Downey, B Duceppe, E, Dvirnik, N, Fergusson, D, Garg A, Gilron I, Graham M, Guyatt G, Johnson A, Karanicolas P, Kavsak P, Kessler Borges F, Lalu M, Lamy A, Lavis J, MacDermid J, Marcucci M, Martin J, Mazer D, McAlister F, McManus B, Metcalfe K, Mrkobrada M, Ouellette C, Pare G, Parlow J, Parry M, Patel A, Paul J, Petch J, Roshanov P, Samavi R, Schunemann H, Sessler D, Srinathan S, Tandon V, Tarride, JE, Vanstone M, Watt-Watson J, Whitlock R, Xie F, Yang S, Bianco, D (Lived Experience Representative). SMILE: Providing digitalised prevention and prediction for ageing people in smart living environments. Canadian Sub-Team and funding: Vascular events In noncardiac Surgery patients cOhort evaluation study-2 (VISION-2). Horizon 2020 - Research and Innovation Framework Programme. \$3,132,500 (CIHR \$960,000; Industry Support \$2,172,500). Jan 2021-Dec 2025. 2021 – 2025
6. **McGillion M**, Kessler Borges F, Marcucci M, Ouellette CA, Bird M, Patel MA, Petch J, Bangdiwala S, O’Leary S, Lounsbury J, Ofori S, Scott T. Post Discharge after Surgery

Virtual Care with Remote Automated Monitoring Technology (PCV RAM) - 2. HHS New Implementation Hospital Service Research (IHSR) 2019 - Grant Competition. \$99,490. 2021 Mar - 2022 Feb

7. Merry, L., Caron, R., Gervais, C., Papazian-Zohrabian, G. (Montreal), **Wahoush, O., Kurtz-Landy, C. (Hamilton)**; Oladunni Salami, B., and Kirova, A. (Edmonton). Transnationalism and the psycho-social well-being of recently-arrived migrant mothers & fathers with young children (0 to 5 years olds) in three Canadian cities. SSHRC, Insight Grant Budget \$396,977. 2021 - 2024
8. Moody, E., Co-A: Martin-Misener, R., Warner, G., Marshall, E. G., Savage, S., Smith, C., Aubrecht, K., Phinney, A., Hung, L., **Ganann, R.**, Jamieson, S. H. Collaborators: Britten, S., Cohen, F., Taylor, M., Andrew, M. CIHR SPOR Early Career Investigator Priority Funding – Primary Healthcare for People with Dementia: Exploring Care Provided by Collaborative Family Practice Teams, \$100,000. 2021-2022
9. Papaioannou, A., Abu Alrob, H., Adachi, J.D., Allen, J.P., Collins, R., Costa, A., Duncan, D., Feldman, S., Giangregorio, L., Heckman, G., Hewston, P., Hirdes, J., Holroyd-Leduc, J., Ioannidis, G., Jaglal, S., Jain, R., **Kaasalainen, S.**, Lender, D., Levin, L., Kennedy, C., Lee, A., Marr, S., McArthur, C., Naglie, G., O'Donnell, D., Okpara, C., Peck, S., Straus, S., Tarride, J., Thabane, L. The PREVENT trial: a pragmatic cluster randomized controlled trial of a multicomponent fracture prevention model for long-term care. CIHR Project Grant Program, \$569,926. 2021 – 2024
10. Zhang, K. & Tipping, G. (Co-Principal Investigators); Co-Investigators: **Bryant-Lukosius, D.**, Yen, J., Mukherjee, S., Pond, G., Ellis, P., Evans, D., Wong, V., Persadie, N., Brown, M., Wasserman, J., & Tozer, R. Evaluation of an Online Interprofessional Pain Management Group for Survivors of Breast Cancer: A Feasibility Study of A Randomized Controlled Trial. Juravinski Hospital and Cancer Centre Foundation, \$48,169. 2021-2023