

Martha L. P. MacLeod, PhD, RN
Professor, School of Nursing
Professor, School of Health Sciences
Northern Health-UNBC Knowledge Mobilization Research Chair
Co-Lead, UNBC Health Research Institute
University of Northern British Columbia

Martha MacLeod comes from a professional and practice background in nursing management and continuing education. She has been at UNBC since 1994. She is the inaugural Northern Health – UNBC Knowledge Mobilization Research Chair and Co-Leader of the UNBC Health Research Institute. Martha is in the School of Nursing and is cross-appointed to the School of Health Sciences. Martha teaches in the areas of leadership, and moving evidence into practice. Her research, broadly speaking, takes a qualitative approach to examining health services and health human resources, particularly in rural and northern settings. Martha has published and presented widely on rural and northern nursing issues, nursing practice, nursing education, knowledge translation, and network development.

As Knowledge Mobilization Research Chair, Martha is exploring how knowledge can be developed and taken up in practice in complex rural and remote health systems. In doing this, she is working with the Strategic Patient Oriented Research (SPOR) Northern Centre in supporting the development of research that engages rural and northern persons, their families and communities.

Martha has a longstanding partnered research program with BC's Northern Health Authority and is currently investigating the processes of system transformation in primary health care. She is exploring a hermeneutic approach to implementation and is also leading a national study of rural and remote nursing. Martha is active in national, provincial and regional multidisciplinary research and knowledge translation networks.

Martha reviews for several journals, including the Journal of Clinical Nursing, BMC Nursing, BMC Health Services Research and Rural and Remote Health. Her service contributions include memberships on the Michael Smith Foundation for Health Research Leaders Forum, and the BC Academic Health Sciences Network's BC SUPPORT Unit Advisory Committee. She is active in research reviewing for the Canadian Institutes of Health Research, the Michael Smith Foundation for Health Research, and other funding agencies. She contributes to BC SPOR initiatives, including the BC Primary Health Care Research Network Advisory Committee and the Knowledge Translation and Implementation Science Methods Cluster.

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Education

- PhD (Nursing) University of Edinburgh
- MA (Adult Education) University of Toronto
- BA (Sociology and Political Science) University of Toronto
- Registered Nurse Diploma, School of Nursing, Royal Alexandra Hospital, Edmonton, Alberta

Research Interests

Martha's research program concerns the nature of everyday practice and its development; how knowledge is both created and taken up in practice to improve health services for rural and northern persons, families, and communities:

- Rural health services
- The nature of everyday practice and how its development is helped or hindered in health care organizations
- Organizational development and change
- Decision-maker-practitioner-researcher partnerships, networks and their development
- The nature of everyday learning and experience
- Knowledge mobilization
- Qualitative research methodologies, particularly hermeneutics, interpretive phenomenology, participatory action research and development of multi-approach research teams.

Current Research Projects

- A Hermeneutic Approach to Advancing Implementation Science. M. MacLeod (Principal Investigator), D. Snadden, G. McCaffrey, L. Zimmer, E. Wilson, I. Graham, C. Ulrich, P. Zimmer (Co-Investigators)
- Partnering for Change II: Understanding Primary Health Care Transformation in Northern BC. M.L. MacLeod (Lead Co-Principal Investigator), N. Hanlon, (Co-Principal Investigators); C. Ulrich (Lead Principal Knowledge User); T. Reay, D. Snadden (Co-Investigators)
- Nursing Practice in Rural and Remote Canada II. M. L. MacLeod (Lead Co-Principal Investigator), N. Stewart, J. Kulig (Co-Principal Investigators); P. Anguish (Lead Principal Knowledge User); C. Ulrich (Knowledge User); ME. Andrews, D. Banner-Lukaris, N. kHanlon, C. Karunanayake, K. Kilpatrick, I. Koren, J. Kosteniuk, R. Martin-Misener, P. Moffitt, K. Penz, L. VanPelt, E. Wilson, & L. Zimmer (Co-Investigators)

Selected Publications

- MacLeod, M.L.P., Hanlon, N., Reay, T., Snadden, D., & Ulrich, C. (2020). Partnering for change: How a health authority, physicians, and communities work together to transform primary healthcare services. *Journal of Health Organization and Management*, DOI 10.1108/JHOM-02-2019-0032 <https://www.emerald.com/insight/1477-7266.htm>
- Bowen, S., Botting, I., Graham, I.D., MacLeod, M., de Moissac, D., Harlos, K. Leduc, B., Ulrich, C., Knox, J. (2019). Experience of health leadership in partnering with university-based researchers in Canada – a call to “re-imagine” research. *International Journal of Health Policy and Management* 8(12), 684-699. doi 10.15171/ijhpm.2019.66 See the video: <https://youtu.be/iYhIPRd4Wa8>
- MacLeod, M.L.P., Kulig, J. C., & Stewart, N. J. (2019). Lessons from 20 years of research on nursing practice in rural and remote Canada. Research in brief. *Canadian Nurse*. May 13, 2109. Retrieved from <https://www.canadian-nurse.com/en/articles/issues/2019/may-2019/lessons-from-20-years-of-research-on-nursing-practice-in-rural-and-remote-canada>
- Kosteniuk, J.G., Stewart, N.J., Wilson, E.C., Penz, K.L., Martin-Misener, R., Morgan, D.G., MacLeod, M.L.P. (2019). Communication tools and sources of education and information: a national survey of rural and remote nurses. *Journal of the Medical Library Association*, 107(4), 538-554. DOI: dx.doi.org/P10.5195/jmla.2019.632
- de Moissac, D., Bowen, S., Botting, I., Graham, I.D., MacLeod, M., Harlos, K., Songok, C. M., Bohémier, M. (2019). Evidence of commitment to health research partnerships? Results of two web reviews. *BMC Health Research Policy and Systems*, 17:73 <https://doi.org/10.1186/s12961-019-0475-5>

- MacLeod, M.L.P., Stewart, N.J., Kosteniuk, J.G., Penz, K.L., Olynick, J., Karunanayake, C.P., Kilpatrick, K., Kulig, J.C., Martin-Misener, R., Koren, I., Zimmer, L.V., Van Pelt, L., Garraway, L. (2019). Rural and remote registered nurses' perceptions of working beyond their legislated scope of practice. *Nursing Leadership* 32(1), 20-29. doi:10.12927/cjnl.2019.25851
- MacLeod, M.L.P., Stewart, N.J., Kosteniuk, J.G., Penz, K.L., Olynick, J., Karunanayake, C.P., Banner, D., Wilson, E., Kulig, J.C., Labrecque, ME, Moffitt, P., Jahner, S., Garraway, L. (2019). Rural and remote licensed practical nurses' perceptions of working below their legislated scope of practice. *Nursing Leadership* 32 (1), 8-19. doi:10.12927/cjnl.2019.25852
- Storozuk, S.A., MacLeod, M.L.P., Freeman, S., Banner, D. (2019). A survey of sepsis knowledge among Canadian emergency department registered nurses. *Australasian Emergency Care*, 22, 119-125. <https://doi.org/10.1016/j.auec.2019.01.007>
- Snadden, D., Reay, T., Hanlon, N., & MacLeod, M. (2019). Engaging primary care physicians in system change – an interpretive study in a remote and rural health region in Northern British Columbia, Canada. *BMJ Open*, 9, e028395. doi:10.1136/bmjopen-2018-028395
- Penz, K.L., Stewart, N.J., Karunanayake, C. P., Kosteniuk, J.G., MacLeod, M.L.P. (2019). Competence and confidence in rural and remote nursing practice: A structural equation modeling analysis of national data. *Journal of Clinical Nursing* 28, 1664–1679. DOI: 10.1111/jocn.14772
- Hanlon, N., Reay, T., Snadden, D., & MacLeod, M. (2019). Creating partnerships to achieve health care reform: Moving beyond a politics of scale? *International Journal of Health Services* 49(1) 51-67. DOI: 10.1177/0020731418807094
- Penz, K., J. Kosteniuk, N. Stewart, M. MacLeod, J. Kulig, C. Karunanayake, et al. (2019). Development and psychometric evaluation of the Job Demands in Nursing (JDIN) Scale and Job Resources in Nursing (JRIN) Scale: Results from a national study." *Nursing Open* 6, 348-366. DOI: 10.1002/nop2.215
- Kulig, J.C., Townshend I., Kosteniuk, J., Karunanayake, C, Lebreque, ME, MacLeod, M.L.P. (2018). Perceptions of sense of community and community engagement among rural nurses: Results of a national survey. *International Journal of Nursing Studies* 88, 60-70. <https://doi.org/10.1016/j.ijnurstu.2018.07.018>
- Hanson, S., MacLeod, M. L., Schiller, C. (2018). It's complicated': Staff nurse perceptions of their influence on nursing students' learning. *Nurse Education Today* 63, 76-80. <https://doi.org/10.1016/j.nedt.2018.01.017>
- Graham, I.D., Kothari, A., McCutcheon and on behalf of the Integrated Knowledge Translation Research Network Project Leads (2018). Moving knowledge into action for more effective practice, programmes and policy: Protocol for a research programme on integrated knowledge translation. *Implementation Science* 13, 22. DOI 10.1186/s13012-017-0700-y
- Mallidou, A. A., Frisch, N., Doyle-Waters, M. M., MacLeod, M. L. P., Ward, J., Atherton. P. (2018). Patient-Oriented Research Competencies in Health (PORCH) for patients, healthcare providers, decision-makers, and researchers: Protocol of a scoping review. *Systematic Reviews*. 7:101 <https://doi.org/10.1186/s13643-018-0762-1>
- Lenthall, S., Wakerman, J., Dollard, M.F., Dunn, S., Knight, S., Opie, T., Rickard, G., MacLeod, M., (2018). Occupational stress interventions to reduce stress among registered nurses in very remote Australia, using a participatory action research approach. *Collegian* 25, 181-191. <http://dx.doi.org/10.1016/j.colegn.2017.04.007>
- Freeman S, Bishop K, Spigriene L, Koopmans E, Botelho F.C., Fyfe T, Xiong B, Patchett S, & MacLeod, M. (2017). Factors affecting residents transition from long term care facilities to the community: A scoping review. *BMC Health Services Research* 17-689. DOI 10.1186/s12913-017-2571-y
- Kulig, J.C., Penz, K., Karunanayake, C., MacLeod, M.L.P., Jahner, S., & Andrews, ME. (In Press, 2017). Experiences of rural and remote nurses assisting with disasters. *Australasian Emergency Nursing Journal*, <http://dx.doi.org/10.1016/j.aenj.2017.04.003>
- Zimmer, L.V., Banner, D., & MacLeod, M. L. P. (2016). Nursing scholarship in and for the Northern Canadian context. *The Northern Review*. 43, 51-66.
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Primary Health Care Engagement (PHCE) Scale: A pilot survey of rural and remote nurses. *Primary Health Care Research and Development*. 17(1), 72-86.
doi:10.1017/S1463423615000158

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- Wong, S.T., Lavoie, J., Browne, A.J., MacLeod, M.L.P., Chongo, M. (2015). Patient confidentiality within the context of group medical visits: is there cause for concern? *Health Expectations*, 18(5), 727-739. doi: 10.1111/hex.12156
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- Zimmer, L. V., Banner-Lukaris, D., Aldiabat, K., Keeler, G., Klepetar, A. Ouellette, H., Wilson, E., & MacLeod, M. (2014). Nursing education for rural and northern practice in Canada. *Journal of Nursing Education and Practice*, 4(8) 162-172. DOI: 10.5430/jnep.v4n8p162
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- Place, J., MacLeod, M., John, N., Adamack, M., & Lindsey, A. E. (2012). "Finding my own time": Examining the spatially produced experiences of rural RNs in the rural nursing certificate program. *Nurse Education Today* 32(5), 581-587. doi:10.1016/j.nedt.2011.07.004
- Lenthall, S., Wakerman, J., Opie, T., Dunn, S., MacLeod, M., Dollard, M., Rickard, G., & Knight, S. (2011). Nursing workforce in very remote Australia, characteristics and key issues. *Australian Journal of Rural Health*, 19, 32-37.
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- Moules, N.J. MacLeod, M.L.P., Hanlon, N., Thirsk, L. (2010). "And then you'll see her in the grocery store": The working relationships of public health nurses and high priority families in rural and northern Canadian communities. *Journal of Pediatric Nursing*, 25, 327-334.
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- MacLeod, M. L. P. (2006). Building bridges with decision-makers: Rules for rural and remote health researchers. *Rural and Remote Health*, 6, 567. <http://rrh.org.au>
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- Stewart, N. J., D'Arcy, C., Pitblado, J. R., Morgan, D. G., Forbes, D., Remus, G., Smith, B., Andrews, M. E., Kosteniuk, J., Kulig, J. C., & MacLeod, M. L. P. (2005). A profile of registered nurses in rural and remote Canada. *Canadian Journal of Nursing Research*, 37(1), 122-145.
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- Henderson Betkus, M., & MacLeod, M.L.P. (2004). Retaining public health nurses in rural British Columbia: The influence of job and community satisfaction. *Canadian Journal of Public Health*, 95(1), 54-58.
- Lauri, S., Salanterå, S., Chalmers, K., Ekman, S-L., Kim, H.S., Kåppeli, S., & MacLeod, M. (2001). Profession and society. An exploratory study of clinical decision-making in five countries. *Journal of Nursing Scholarship*, 33(1), 83-90.
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Other

Book and Chapters

- Hanlon, N., MacLeod, M., Reay, T., & Snadden, D. (2019). Partnering for health care sustainability in smaller urban centres : Why and how a health authority chose to 'go upstream'. In G. Halseth, S. Markey and L. Ryser, eds. *Service Provision and Rural Sustainability: Infrastructure and Innovation*. London and New York: Routledge, pp. 80-94.
- Freeman, S. & MacLeod, M. (2019). Learning how to include hard to reach, hidden, and seldom heard populations in research. In *Knowledge, innovation, and impact - A Guide for the engaged health researcher*. New York, NY: Springer.
- MacLeod, M., Garraway, L., Jónatansdóttir, S., & Moffitt, P. (2018). What does it mean to be a nurse in Canada's Northern Territories? Chapter 35 In H. Exner-Pirot, B. Norbye, & L. Butler (Eds.), *Northern and Indigenous health and healthcare*. Saskatoon, SK: University of Saskatchewan. Available at <https://openpress.usask.ca/northernhealthcare/>
- Ulrich, C. & MacLeod, M. L. P. (2016). Cumulative health impacts and the Northern Health Authority, in M. P. Gillingham, G. R. Halseth, C. J. Johnson, & M. W. Parkes (Eds.), *The integration imperative: Cumulative environmental, community and health effects of multiple natural resource developments*. Springer.
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Selected Research Fact Sheets and Reports

Note: Further Rural and Remote Nursing Fact Sheets and Reports are at

<http://www.unbc.ca/rural-nursing>

- MacLeod, M. & Kormos, J. (May 10, 2018). *Engaged Scholarship and the Mobilization of Knowledge Within the University of Northern British Columbia Scholarly Expectation Documents*. Prince George, BC: University of Northern British Columbia.
- MacLeod, M., Stewart, N., Kulig, J., Olynick, J., Jónatansdóttir, S., & Kosteniuk, J. (August, 2017). *Registered Nurse National Survey Report: Nursing Practice in Rural and Remote Canada*. Prince George, BC: Nursing Practice in Rural and Remote Canada II. RRN2-04-01
- MacLeod, M., Stewart, N., Kulig, J., Olynick, J., Kosteniuk, J., & Jónatansdóttir, S. (August, 2017). *Licensed/Registered Practical Nurse National Survey Report: Nursing Practice in Rural and Remote Canada*. Prince George, BC: Nursing Practice in Rural and Remote Canada II. RRN2-04-02
- MacLeod, M., Stewart, N., Kulig, J., Jónatansdóttir, S., Olynick, J., & Kosteniuk, J. (August, 2017). *Nurse Practitioner National Survey Fact Sheet: Nursing Practice in Rural and Remote Canada*. Prince George, BC: Nursing Practice in Rural and Remote Canada II. RRN2-04-03

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 - Place, J., MacLeod, M., Johnston, S. & Pitblado, R. (2014, June). *Nursing Practice in Rural and Remote British Columbia: An Analysis of CIHI's Nursing Database*. Prince George, BC: Nursing Practice in Rural and Remote Canada II. RRN2-01-1 <http://www.unbc.ca/rural-nursing>
 - Pitblado, R., Koren, I., MacLeod, M., Place, J., Kulig, J., & Stewart, N. (2013). *Characteristics and Distribution of the Regulated Nursing Workforce in Rural and Small Town Canada, 2003 and 2010*. Prince George, BC: Nursing Practice in Rural and Remote Canada II. RRN2-01 <http://www.unbc.ca/rural-nursing>
 - Wong, S. T., MacLeod, M. L. P., Farrally, V. (2009, June). *Health Human Resource Scoping Literature Review and Synthesis*. Report prepared for the Michael Smith Foundation for Health Research Health Services and Policy Research Support Network. Vancouver, BC. http://www.msfr.org/resources/public/Special_Initiatives/HHR_Literature_Scoping_Exercise_Wong-et-al.pdf
 - Kulig, J., MacLeod, M. & Lavoie, J. (2007). Nurses and First Nations and Inuit Community-Managed Primary Health-Care Services. Fact Sheet 5 of the Nature of Nursing Practice in Rural & Remote Canada Nursing. Available at <http://www.unbc.ca/rural-nursing>
 - Stewart, N.J, Kulig, J.C., Penz, K., Andrews, M.E., Houshmand, S., Morgan, D.G., MacLeod, M.L.P., Pitblado, J.R., D'Arcy, C. (2006) Aboriginal registered nurses in rural and remote Canada: Results from a national survey. *The Nature of Nursing Practice in Rural and Remote Canada*. <http://ruralnursing.unbc.ca>
 - MacLeod, M. L. P. & Hyrkäs, K. (2006, June). *Building sustainable preceptorships in Northern Health*. (Report and Annexes). Prince George, BC: University of Northern British Columbia/Northern Health.
 - Stewart, N., MacLeod, M. (2005). *RNs in nurse practitioner positions in rural and remote Canada*. Fact Sheet 3 of the Nature of Nursing Practice in Rural and Remote Canada Project. Available at <http://www.unbc.ca/rural-nursing>
 - MacLeod, M., Kulig, J., Stewart, N., Pitblado, R. (2004). *Nursing practice in rural and remote Canada. Final report to the Canadian Health Services Research Foundation*, September 15, 2004. Prince George, BC: UNBC. Author. Available on-line at <http://www.unbc.ca/rural-nursing>
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 - Canadian Institute for Health Information (CIHI). (2002). *Supply and distribution of registered nurses in rural and small town Canada*. Ottawa: Canadian Institute for Health Information. (Available at www.cihi.ca) Authored by: Pitblado, R., Medves, J., MacLeod, M., Kulig, J., & Stewart, N.
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Related Links

- Canadian Association of Rural and Remote Nursing
<http://www.carrn.com/index.htm>
- Rural Nursing <http://www.unbc.ca/rural-nursing>
- UNBC Health Research Institute
<http://www.unbc.ca/health-research-institute>