



SPATIAL DETERMINANTS
OF HEALTH LAB

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EDUCATION

2009	Doctor of Philosophy (PhD, UT Austin)
2002	Master of Environmental Studies (MES, Waterloo)

RELEVANT EXPERIENCE

2014–17	Associate Professor, Tier II Canada Research Chair Department of Sociology, Department of Economics University of New Brunswick, Fredericton
2008–14	Health Research Analyst Health Analysis Division Statistics Canada, Ottawa

RESEARCH AREAS AND EXPERTISE

DEMOGRAPHY & POPULATION HEALTH

- Social and Geographic Inequalities in Mortality
- Multiple-Cause Mortality Methods
- Interactive Visualization of Multi-Morbidity

HEALTH GEOGRAPHY AND GIS

- Access to Rural Health Services
- Modelling Rural Accessibility
- Rural Research Methods (Dirt Research)

ENVIRONMENTAL HEALTH

- Environmental Exposures and Health Outcomes
- Childhood Neurodevelopmental Disorders and Environmental Exposures
- Geographic Methods for Environmental Exposure Assignment

KNOWLEDGE OUTPUTS AND EXCHANGE

PUBLICATIONS UNDER REVIEW

1. McGaughey T, Collares A, & PA Peters. (under review) "Identifying High System Users of Emergency Services Inclusive of Rural Typology." *Canadian Journal of Rural Medicine*. Submitted May 25, 2026.

PEER-REVIEWED PUBLICATIONS (66 TOTAL)

1. McGaughey T & PA Peters. (2026). "Introducing the Canadian Accessibility and Remoteness Index (CARL+)." *Canadian Geographies* 70:e70082. <https://doi.org/10.1111/cag.70082>.
2. Wright, R, DeClercq V, Burton C, Roslin N, Chan A, Arnold P, Peters P, Schachar R, Crosbie R, & M Langille (2026) Population-based characterisation of child and adolescent oral microbiomes. *Microbiome*. <https://doi.org/10.1186/s40168-026-02452-3>.
3. McGaughey T, Kephart G, Dang U, & PA Peters. (2025) "Creating an Inclusive Definition for High Resource Inpatient Hospital Users Between and Within Rurality." *International Journal of Environmental Research and Public Health* 22(3), 381. <https://doi.org/10.3390/ijerph22030381>
4. Golestani R, Farahani K, & PA Peters. (2025) "Exploring Barriers to Accessing Health Care Services by Young Women in Rural Settings: A Qualitative Study in Australia, Canada, and Sweden." *BMC Public Health*. 25:213. <https://doi.org/10.1186/s12889-025-21387-2>.
5. McGaughey, T. & Peters, P. A. (2024) "Where should we go - Estimating travel times for modelling accessibility to 24-hour emergency departments in Canada." *Scientific Data* 11, 853. <https://doi.org/10.1038/s41597-024-03691-5>.
6. Dissanayake A, Dupuis A, Burton CL, Soreni N, Peters PA, Gajaria A, Arnold P, Crosbie J, & R Schachar. (2024) "Racial/Ethnic Disparities in Youth Mental Health Traits and Diagnoses within a Community-based Sample." *Canadian Journal of Psychiatry*. <https://doi.org/10.1177/07067437241233936>.
7. Sheppard-Perkins M, McGaughey T, Peters PA & F Darroch. (2024) "Exploring the Use of Geographic Methods to Understand Sexual- and Gender-based Violence: A Scoping Review." *Gender, Place & Culture*. 1-29. <https://doi.org/10.1080/0966369X.2024.2307583>.
8. Petrie S & PA Peters. (2023) "Health Service Implementation and Antifragile Characteristics in Rural Communities: A Dirt Research Approach." *International Journal of Environmental Research and Public Health*. 20(14): 6418. <https://doi.org/10.3390/ijerph20146418>.
9. LeBlanc M, McGaughey T, & PA Peters. (2023) "Characteristics of High-Resource Health System Users in Rural and Remote Regions: A Scoping Review." *International Journal of Environmental Research and Public Health*. 20(7): 5385. <https://doi.org/10.3390/ijerph20075385>.
10. Petrie S, Carson D, Peters PA, Hurtig A-K, LeBlanc M, Simpson H, Barnabe J, Young M, Ostafichuk M, Hodge H, Glademan J, Smale M, & M Gonzalez Garcia. (2021) "What a Pandemic Has Taught Us About the Potential for Innovation in Rural Health: Commencing an Ethnography in Canada, the United States, Sweden, and Australia." *Frontiers in Public Health*. 9: 768624 <https://doi.org/10.3389/fpubh.2021.768624>.
11. Petrie S & PA Peters. (2020) "Untangling complexity as a health determinant: Wicked problems in healthcare." *Health Science Inquiry*. 11(1):131-135. <https://doi.org/10.29173/hsi299>
12. LeBlanc M, Petrie S, Paskaran S, Carson DB, & PA Peters. (2020) "Patient and Provider Perspectives of Rural eHealth Interventions." *Rural and Remote Health*. 20(3): 5754. <https://doi.org/10.22605/rrh5754>

13. Peters PA, MT Hidalgo, & E Skop. (2020) "Building a Just City: A Retrospective of Social Segregation in Metropolitan Lima." *Journal of Latin American Geography*. 19(4): 269-279.
<https://doi.org/10.1353/lag.2020.0088>
14. Asher K & PA Peters. (2020) "Meat reduction, vegetarianism, or chicken avoidance: U.S. omnivores' impressions of three meat-restricted diets." *British Food Journal*. 123(1): 387-402.
<https://doi.org/10.1108/BFJ-04-2020-0307>
15. Asher K & PA Peters. (2020) "Go the Whole Nine Yards? How Extent of Meat Restriction Impacts Individual Dietary Experience." *Ecology of Food and Nutrition*. 59(4): 436-458.
<https://doi.org/10.1080/03670244.2020.1737043>
16. Johnson M, Brook J, Brook R, Oiamo T, Luginaah I, Peters PA, & JD Spence. (2020) "Traffic-Related Air Pollution and Carotid Plaque Burden in a Canadian City with Low-Level Ambient Pollution." *Journal of the American Heart Association*. 9(e013400). <https://doi.org/10.1161/JAHA.119.013400>
17. Harris MA, MacLeod J, Kim J, Pahwa M, Tjepkema M, Peters PA, & PA Demers. (2020) "Use of a Canadian Population-Based Surveillance Cohort to Test Relationships Between Shift Work and Breast, Ovarian, and Prostate Cancer." *Annals of Work Exposures and Health*. 64(4): 387-401.
<https://doi.org/10.1093/annweh/wxaa017>
18. Petrie S, Carson DB, & PA Peters. (2019) "Antifragile by design: Using Antifragility as a Guiding Principle in Future Rural eHealth Implementation and Evaluation." *Health Science Inquiry*. 10(1): 49-50.
<https://doi.org/10.29173/hsi21>
19. Peters PA. (2019) "Broadening the narrative on rural health: from disadvantage to resilience." Invited commentary in the *University of Toronto Medical Journal*. 96(2): 41-43.
<http://utmj.org/index.php/UTMJ/article/view/1179>
20. Slaunwhite A, Ronis S, Miller D, & PA Peters. (2019) "Seasonal variations in psychiatric admissions to hospital." *Canadian Psychology*. 60(3): 155-164. <https://dx.doi.org/10.1037/cap0000156>
21. Peters PA, Carson D, Carson D, Porter R, Ensign P, & A Vuin. (2018) "My village is dying? Integrating methods from the inside-out." *Canadian Review of Sociology*. 55(3): 451-475.
<http://dx.doi.org/10.1111/cars.12212>
22. Burnett RT, Chen H, Szyszkowicz M, ... Peters PA, ... et al. (2018) "Global Mortality and Long-Term Ambient Exposure to Fine Particulate Matter: A New Relative Risk Estimator." *Proceedings of the National Academy of Sciences USA*. 115(38): 9592-9597. <https://doi.org/10.1073/pnas.1803222115>
23. Harris A, Kirkham T, MacLeod J, Tjepkema M, Peters PA, & PA Demers. (2018) "Surveillance of cancer risks for firefighters, police and armed forces among men in a Canadian census cohort." *American Journal of Industrial Medicine*. 16(10): 815-823. <http://dx.doi.org/10.1002/ajim.22891>
24. Sritharan J, MacLeod J, Harris S, Cole DC, Harris A, Tjepkema M, Peters PA, & PA Demers. (2018) "Prostate cancer surveillance by occupation and industry: the Canadian Census Health and Environment Cohort (CanCHEC)." *Cancer Medicine*. 7(4): 1468-1478.
<https://doi.org/10.1002/cam4.1358>
25. Peters PA. (2017) "Population health and population change: a spatio-temporal analysis of New Brunswick communities." *Journal of New Brunswick Studies*. 8(2): 87-109.
<https://journals.lib.unb.ca/index.php/JNBS/article/view/25881/30044>
26. Crouse DL, Pinault L, Balram A, Hystad P, Peters PA, Chen H, van Donkelaar A, Martin RV, Menard R, Robichaud A, & P Villeneuve. (2017) "Urban greenness is associated with reduced risks of mortality in Canada's largest cities: Results from a national cohort study." *Lancet: Planetary Health*. 1(7): e289-e297.
[https://doi.org/10.1016/S2542-5196\(17\)30118-3](https://doi.org/10.1016/S2542-5196(17)30118-3)

27. Slaunwhite AK, McEachern J, Ronis S, & PA Peters. (2017) "Alcohol Distribution Reforms and School Proximity to Liquor Sales Outlets in New Brunswick." *Canadian Journal of Public Health*. 108(5-6): 488-496. <https://dx.doi.org/10.17269/CJPH.108.6132>
28. Slaunwhite AK, Ronis S, Sun Y, & PA Peters. (2017) "The Emotional Health and Wellbeing of Canadians that Care for Persons with Mental Health or Addictions Problems." *Health and Social Care in the Community*. 25(3): 840-847. <http://dx.doi.org/10.1111/hsc.12366>
29. Hadkhale K, MacLeod J, Demers PA, Martinsen JI, Kjaeheim K, Lynge E, Sparen P, Tryggvadottir L, Harris A, Tjepkema M, Peters PA, & E Pukkala. (2017) "Occupation and risk of bladder cancer: a population level comparison of Nordic countries and Canada." *BMJ Open*. 7(8): e016538. <https://dx.doi.org/10.1136%2Fbmjopen-2017-016538>
30. Pahwa M, Harris MA, Tjepkema M, Peters PA, & PA Demers. (2017) "Sedentary Work and Risk of Colon and Rectal Cancer by Anatomical Sub-Site in the Canadian Census Health and Environmental Cohort (CanCHEC)." *Cancer Epidemiology*. 49(Aug.): 144-151. <https://doi.org/10.1016/j.canep.2017.06.004>
31. MacLeod JS, Harris MA, Tjepkema M, Peters PA, & PA Demers. (2017) "Cancer risks among welders and occasional welders in a national population-based cohort study: Canadian Census Health and Environmental Cohort." *Safety and Health at Work*. 8(3): 258-266. <https://dx.doi.org/10.1016%2Fj.shaw.2016.12.001>
32. Kachuri L, Harris MA, Tjepkema M, Peters PA, & PA Demers. (2017) "Cancer risks in a population-based sample of 70,000 agricultural workers: results from the Canadian Census Health and Environmental Cohort (CanCHEC)." *BMC Cancer*. 17(1): 343. <https://doi.org/10.1186/s12885-017-3346-x>
33. Oliver LN, Penney C, & PA Peters. (2016) "The influence of community well-being on mortality among Registered First Nations people." *Health Reports*. 27(7): 10-18. <https://www150.statcan.gc.ca/n1/pub/82-003-x/2016007/article/14646-eng.htm>
34. Stieb DM, Chen L, Hystad P, Beckerman BS, Jerrett M, Tjepkema M, Crouse D, Omariba W, Peters PA, van Donkelaar A, Martin RV, Burnett RT, Liu S, & RM Dugandzic. (2016) "A national study of the association between traffic-related air pollution and adverse pregnancy outcomes in Canada, 1999-2008." *Environmental Research*. 148: 513-526. <https://doi.org/10.1016/j.envres.2016.04.025>
35. Navaneelan T, Alam S, Peters PA, & O Phillips. (2016) "Deaths involving sepsis in Canada." *Health at a Glance*. Statistics Canada Catalogue No. 82-624-X. 2(1): 1-5. <https://www150.statcan.gc.ca/n1/pub/82-624-x/2016001/article/14308-eng.htm>.
36. de Lima Amaral EF, Potter J, Peters PA, Skop E, & W. Fusco. (2016) "Chain Migration and Residential Segregation in the Mesoregion of São Paulo." *Anais*. Mar 31:1-27. <https://carleton.ca/determinants/cu-files/chain-migration-in-sao-paulo/>.
37. Crouse DL, Philip S, van Donkelaar A, Martin R, Jessiman B, Peters PA, Weichenthal S, Brook J, Hubbell B, & RT Burnett. (2016) "A New Method to Jointly Estimate the Mortality Risk of Long-Term Exposure to Ambient Fine Particulate Matter and its Components." *Scientific Reports*. 6(18916). <https://doi.org/10.1038/srep18916>.
38. Crouse DL, Peters PA, Hystad P, Brook JR, van Donkelaar A, Martin RV, Villeneuve PJ, Jerrett M, Goldberg M, Pope III CA, Brauer M, Brook RD, Robichaud A, Menard R, Labrecque A, & Burnett RT. (2015) "Associations between ambient PM_{2.5}, NO₂, and O₃: three ambient air pollutants and mortality in the Canadian Census Health and Environment Cohort (CanCHEC) over a 16 year follow-up." *Environmental Health Perspectives*. 123(11): 1180-1186. <https://doi.org/10.1289/ehp.1409276>.
39. Crouse DL, Peters PA, Villeneuve PJ, Proux M-O, Shin HH, Goldberg MS, Johnson M, Wheeler AJ, Allen RW, Atari DO, Jerrett M, Brauer M, Brook JR, Cakmak S, & RT Burnett. (2015) "Within-and between-city

- contrasts in nitrogen dioxide and mortality in 10 Canadian cities; a subset of the Canadian Census Health and Environment Cohort (CanCHEC)." *Journal of Exposure Science and Environmental Epidemiology*. 25(5): 482-489. <https://doi.org/10.1038/jes.2014.89>.
40. Shariff F, Peters PA, Arbour L, Greenwood M, Skarsgard E, & ME Brindle. (2015) "Maternal and community predictors of gastroschisis and congenital diaphragmatic hernia in Canada." *Paediatric Surgery International*. 31(11): 1055-1060. <https://doi.org/10.1007/s00383-015-3797-6>
41. Byrnes J, King N, Hawe P, Peters PA, Pickett W, & C Davison. (2015) "Patterns of youth injury: A comparison across the northern territories and other parts of Canada." *International Journal of Circumpolar Health*. 74(27864): <https://doi.org/10.3402/ijch.v74.27864>
42. Mitra D, Shaw A, Tjepkema M, & Peters PA. (2015). "The social determinants of lung cancer incidence in Canada: results from a 13-year prospective study." *Health Reports*. 26(6): 12-20. <https://www150.statcan.gc.ca/n1/pub/82-003-x/2015006/article/14195-eng.htm>
43. Crouse DL, Peters PA, Villeneuve PJ, Proux MO, Shin H, Goldberg MS, Johnson M, Wheeler A, Allen RW, Atari DO, Jerrett M, Brauer M, Brook JR, & Burnett RT. (2015) "Long-term exposure to traffic-derived NO₂ is associated with risk of cardiovascular mortality in 10 Canadian cities: a cohort study." *Journal of Exposure Science and Environmental Epidemiology*. 25(5): 482-489. <https://doi.org/10.1289/ehp.1409276>
44. Stieb DM, Chen L, Beckerman BS, Jerrett M, Crouse DL, Omariba DWR, Peters PA, van Donkelaar A, Martin RV, Burnett RT, Gilbert NL, Tjepkema M, Liu S, & RM Dugandzic. (2015) "Association of pregnancy outcomes and PM_{2.5} in a national Canadian study." *Environmental Health Perspectives*. 124(2): 243-249. <https://dx.doi.org/10.1289%2Fehp.1408995>
45. Jones M, Harris MA, Peters PA, Tjepkema M, & Demers PA. (2014) "Prostate cancer and occupational exposure to whole-body vibration in a national population-based cohort study." *American Journal of Industrial Medicine*. 57(8): 896-905s. <https://doi.org/10.1002/ajim.22354>
46. Shin HH, Cakmak S, Brion O, Villeneuve PJ, Turner M, Goldberg MS, Jerrett M, Chen M, Crouse DL, Peters PA, Pope CA III, & Burnett RT. (2014) "Indirect Adjustment Method for Multiple Missing Variables Applicable to Environmental Epidemiology." *Environmental Research*. 134(Oct.): 482-487. <https://doi.org/10.1016/j.envres.2014.05.016>
47. Park J & Peters PA. (2014) "Mortality from diabetes mellitus, 2004 to 2008: A multiple-cause-of-death analysis." *Health Reports*. 25(3): 12-18. <https://www150.statcan.gc.ca/n1/pub/82-003-x/2014003/article/11909-eng.htm>
48. Peters PA. (2013) "Inequalities in life expectancy between residents of Inuit Nunangat and of the rest of Canada, an age- and cause- decomposition from 1989-2008." *Health Reports*. 24(12): 3-9. <https://www150.statcan.gc.ca/n1/pub/82-003-x/2013012/article/11890-eng.htm>.
49. Peters PA, Tjepkema M, Fines P, Wilkins R, Crouse DL, Chan PC, & Burnett RT. (2013) "Data Resource Profile: 1991 Canadian Census cohort." *International Journal of Epidemiology*. 42(5): 1319-1326. <https://doi.org/10.1093/ije/dyt147>
50. Peters PA, Oliver LN, & Kohen D. (2013) Mortality among children and youth in high-percentage First Nations identity areas, 2000-2002 and 2005-2007." *Rural & Remote Health*. 13(2424): 1-19. <https://doi.org/10.22605/RRH2424>
51. Brook RD, Cakmak S, Turner MC, Brook JR, Crouse DL, Peters PA, van Donkelaar A, Villeneuve PJ, Brion O, Jerrett M, Martin RV, Rajagopalan S, Goldberg MS, Pope III CA, & Burnett RT. (2013) "Long-term fine particulate matter exposure and mortality from diabetes mellitus in Canada." *Diabetes Care*. 36(10): 3313-3320. <https://doi.org/10.2337/dc12-2189>

52. Sanmartin C, Finès P, Khan S, Peters PA, Tjepkema M, Bernier J, & Burnett R. (2013) "Modelling risk factor information for linked census data: the case of smoking status." *Health Reports*. 24(6): 9-13. <https://www150.statcan.gc.ca/n1/pub/82-003-x/2013006/article/11796-eng.pdf>
53. Johnson JYM, Rowe BW, Allen RW, Peters PA, & Villeneuve PJ. (2013) "A case-control study of medium-term exposure to ambient nitrogen dioxide pollution and hospitalization for stroke." *BMC Public Health*. 13(1): 368-377. <https://doi.org/10.1186/1471-2458-13-368>.
54. Prud'Homme G, Dobbin NA, Sun L, Burnett R, Martin RV, Davidson A, Cakmak S, Villeneuve PJ, Lamsal L, van Donkelaar A, Peters PA, & Johnson M. (2013) "Comparison of remote sensing and fixed-site monitoring approaches for examining health effects on a national study population." *Atmospheric Environment*. 80: 161-171. <http://dx.doi.org/10.1016/j.atmosenv.2013.07.020>
55. Peters PA, Oliver LN, & Carrière GM. (2012) "Geozones: an area-based method for analysis of health outcomes." *Health Reports*. 23(1): 55-64. <https://www150.statcan.gc.ca/n1/pub/82-003-x/2012001/article/11633-eng.htm>
56. Peters PA. (2012) "Shifting transitions: health inequalities in Inuit Nunangat in perspective." *Journal of Rural and Community Development*, 7(1): 36-58. <https://journals.brandonu.ca/jrcd/article/view/551>.
57. Oliver LN, Peters PA, & Kohen DE. (2012) "Mortality rates among children and youth aged 1 to 19 living in Inuit Nunangat, 1994-2008." *Health Reports*. 23(3): 17-22. <https://www150.statcan.gc.ca/n1/pub/82-003-x/2012003/article/11695-eng.htm>
58. Carrière GM, Peters PA, & Sanmartin C. (2012) "Area-based methods used to determine rates of acute-care hospitalization across terciles of the foreign-born population in Canada during 2005/2006." *Health Reports*. 23(3): 43-51. <https://www150.statcan.gc.ca/n1/pub/82-003-x/2012003/article/11693-eng.htm>
59. Crouse DL, Peters PA, van Donkelaar A, Goldberg MS, Villeneuve PJ, Brion O, Khan S, Atari DO, Jerrett M, Arden Pope III C, Brauer M, Brook JR, Martin RV, Stieb D, & Burnett RT. (2012) "Risk of Nonaccidental and Cardiovascular Mortality in Relation to Long-term Exposure to Low Concentrations of Fine Particulate Matter: A Canadian National-level Cohort Study." *Environmental Health Perspectives*, 120(5): 708-714. <https://doi.org/10.1289/ehp.1104049>
60. Owens S, De Wals P, Egeland G, Furgal C, Mao Y, Minuk GY, Peters PA, Simard M, & Dewailly É. (2012) "Public health in the Canadian Arctic: contributions from international polar year research." *Climatic Change*, 115(1): 259-281. <https://doi.org/10.1007/s10584-012-0569-3>
61. Davison CM, Ford CS, Peters PA, & Hawe P. (2011) "Community alcohol regulations in Canada's northern territories, 1970-2008." *Health Policy*, 102, 34-40. <https://doi.org/10.1016/j.healthpol.2011.06.007>
62. Peters PA. (2010) "Causes and contributions to differences in life expectancy for Inuit Nunangat and Canada, 1994-2003." *International Journal of Circumpolar Health*, 69, 66-77. <https://doi.org/10.3402/ijch.v69i1.17429>
63. Schuurman N, Peters PA, & Oliver LN. (2009) "Are obesity and physical activity clustered? A spatial analysis linked to residential density." *Obesity*, 17, 2202-2209. <https://doi.org/10.1038/oby.2009.119>
64. Peters PA & Skop EH. (2007) "Socio-spatial segregation in Metropolitan Lima, Peru." *Journal of Latin American Geography*, 6, 149-171. <https://doi.org/10.1353/lag.2007.0009>
65. Ward PM & Peters PA. (2007) "Self-help housing and informal homesteading in peri-urban America." *Habitat International*, 31, 205-218. <https://doi.org/10.1016/j.habitatint.2007.02.001>
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67. Peters PA & Hall GB. (2004) "Evaluation of education quality and neighbourhood well-being: a case study of Independencia, Peru." *International Journal of Educational Development*, 24, 85-102.
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68. Hall GB & Peters PA. (2003) "Global ideas and local practicalities in education policies and planning in Lima, Peru." *Habitat International*, 27, 629-651. [http://dx.doi.org/10.1016%2FS0197-3975\(03\)00009-2](http://dx.doi.org/10.1016%2FS0197-3975(03)00009-2)

KNOWLEDGE TRANSLATION (REPORTS, PROTOCOLS, WEBSITES, AND DATA VISUALIZATION)

1. Peters PA. Rural Data: Rural Research: Information, Statistics, and Knowledge [Internet]. Ottawa, ON: Spatial Determinants of Health Lab; May 15, 2026. Available from: <https://rural-data.com>.
2. Peters PA, Salem H, Ayaji E, Burton C, Schachar R, & J Cosbie. (2026, May 15) Neurodevelopmental Disorder Symptoms in Children and Adolescents Exposed to Ambient Air Pollution: A Scoping Review Protocol [Internet]. Open Science Foundation Registries. Available from: <https://osf.io/kdn7u/overview>.
3. Ridley C, McGaughey T, & PA Peters. [Spatial Determinants of Health Lab] (2026, Apr 20). Access to Obstetrical Care Across Canada [ArcGIS StoryMap].
<https://storymaps.arcgis.com/stories/be39cea7b75d4b6ca6287ed3f63e6c49>.
4. Collares ACM, Peters PA, & D Simpson. (2026, Apr 19). Health-Related Determinants of Internal Migration Among Older Adults in Canada: A Scoping Review Protocol [Internet]. Open Science Foundation Registries. Available from: <https://osf.io/4tneh/overview>.
5. McGaughey T & PA Peters. Canadian Accessibility and Remoteness Index (CARI+) [Internet]. Ottawa ON: Borealis, Carleton University Dataverse Collection; April 13, 2026. Available from: <https://borealisdata.ca/dataverse/CARlplus>.
6. Element E, McGaughey T, & PA Peters. [Spatial Determinants of Health Lab] (2025, Dec 9). Access to Child and Youth Mental Health Facilities [ArcGIS StoryMap].
<https://storymaps.arcgis.com/stories/79fa6848b1084616a51e0c90e1b4c2ac>.
7. Atherton C, McGaughey T, & PA Peters. [Spatial Determinants of Health Lab] (2025, Nov 11). Rural Access to High Schools in Canada [ArcGIS StoryMap].
<https://storymaps.arcgis.com/stories/9adf570f87ef47c79ca89e559a7c06a0>.
8. McGaughey T[†], & PA Peters. [Spatial Determinants of Health Lab] (2024, Apr 5). How rural are we? Developing a service-specific rurality definition using publicly available data [StoryMap].
<https://storymaps.arcgis.com/stories/21e972265e114d19a3eab3eb8dff3239>.
9. Chisholm E[†], & T McGaughey. [†] [Spatial Determinants of Health Lab] (2024, Dec) Mapping Pharmacy Access in Ontario, Canada: A Geospatial Analysis of Availability and Service Distribution Throughout the Province. [Website, StoryMap, and Infographics]. <https://shorturl.at/KTf0k>.
10. Smith A[†], McGaughey T[†], & PA Peters. [Spatial Determinants of Health Lab] (2023, September 30). Development of Emergency Department Travel Times and Large Area Analysis [Website, StoryMap, and Infographics]. <https://experience.arcgis.com/experience/eef6c3ddcedb47afbd09e29d920717d5>
11. Walker S, McGaughey T, & PA Peters (2023) "Spatial models of access to health and care services in rural and remote Canada: a scoping review protocol." Spatial Determinants of Health Lab, Carleton University: Ottawa, ON. <https://doi.org/10.22215/rrep/2023.sdhl.606>.
12. Bailie A, Cuthbert M, Asad K, & PA Peters (2023) "Use of Systematic Mapping in Health Research: scoping review protocol." Spatial Determinants of Health Lab, Carleton University: Ottawa, ON.
<https://doi.org/10.22215/rrep/2023.sdhl.607>.
13. Yasin A, Lopez-Barrios M, & PA Peters (2023) "Multiple Cause Mortality in Canada: An Interactive Website." https://spatialdeterminants.shinyapps.io/smru_muc_mmc/

14. Hondonga T, C Sendanyoye, A Mahling, M Souriel, S Trto, & PA Peters (2020) "Potential for eHealth in Rural and Remote Follow-up Care." Spatial Determinants of Health Lab, Carlton University: Ottawa, ON. <http://dx.doi.org/10.22215/sdhlab/2021.1>
15. Mahling A, M LeBlanc, & PA Peters (2020) "Rural Resilience and Community Connections in Health: Outcomes of a community workshop." Spatial Determinants of Health Lab, Carlton University: Ottawa, ON. <http://dx.doi.org/10.22215/sdhlab/2020.1>
16. Sinclair L, M LeBlanc, C Sendanyoye, & PA Peters. (2020) "Rural Youth Health in Canada, Sweden and Australia." Spatial Determinants of Health Lab, Carlton University: Ottawa, ON. <http://dx.doi.org/10.22215/sdhlab/2019.6>
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PRESENTATIONS

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2. Chisholm E, McGaughey T, & PA Peters. (2025, May) "Mapping Pharmacy Access in Ontario, Canada.: a geospatial analysis of service locations" *CAHSPR*. Ottawa, ON.
3. Collares A, McGaughey T, & PA Peters. (2025, May) "Older adults, healthcare utilization and residential mobility in Canada." *CAHSPR 2025*. Ottawa, ON.
4. Chisholm E, McGaughey T, & PA Peters. (2025, May) "Mapping Pharmacy Access in Ontario, Canada." *Canadian Association of Geographers*. Ottawa, ON.
5. McGaughey T & PA Peters. (2025, May) "Identifying Rurality Through Service-Specific Needs: The 24-hour emergency department CARI model." *Canadian Association of Geographers*. Ottawa, ON.
6. Peters PA, McGaughey T, Yasin A, & E Chisholm. (2025, May) "Measuring Rurality and the Small-Area Level: The CARI+ Model." *Canadian Association of Geographers*. Ottawa, ON.
7. Peters PA, Yasin A, Klym M, McGaughey T, & M Lopez-Barrios. (2025, May) "Socioeconomic variation in cause-related mortality: Incorporating a multiple-cause weighting approach." *Canadian Research Data Centre Network Conference 2025*. Ottawa, ON.
8. McGaughey T & PA Peters. (2025, May) "Characterising the Socio-Demographics and Health Behaviours of High System Inpatient Healthcare Users in a Rurally Inclusive Manner." *Canadian Research Data Centre Network Conference 2025*. Ottawa, ON.
9. Collares A, McGaughey T, & PA Peters. (2025, May) "Older adults, healthcare utilization and residential mobility in Canada." *Canadian Research Data Centre Network Conference 2025*. Ottawa, ON.
10. Peters PA, Klym M, Lopez-Barrios M, Yasin A, & T McGaughey. (2025, February) "Modelling Mortality Patterns in Canada: A multiple cause of death approach." *Health Data Users Conference 2025*. Ottawa, ON.
11. Seddon G, Bahadori F, & PA Peters. (2024, June) "Place-Based Analysis to Understand Health-Seeking Behaviour." Presentation to the *Central OHT Collaborative*. Ministry of Health, Ontario.
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13. Walker S, McGaughey T, & PA Peters. (2024, May) "Disparities in realized spatial access to emergency room care across the rural-urban spectrum." *CAHSPR 2024*. Ottawa, ON.
14. Seddon G, Bahadori F, & PA Peters. (2024, April) "Addressing health inequities and enhancing population health management strategies through GIS technology." *Discovery X Conference*. Toronto, ON.
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56. Peters PA. (2013, January) "Global health: fixing health care with data science." *T4G Leading Thinkers Big Data Congress*, Saint John, NB.
57. Peters PA. (2012, October) "Plenary Session: Health administrative data." *Canadian Research Data Centre Network Annual Conference*, University of New Brunswick, Fredericton, NB.
58. Lanphear B, Moffatt H, Bassil K, Buzzelli M, Peters PA & Tefler J. (2012, June) "The Canadian Environmental Health Atlas: A Tool for Interdisciplinary Collaboration." Workshop presentation at the *Canadian Public Health Association Conference*, Edmonton, AB.
59. Tjepkema M & Peters PA. (2012, June) "The 1991 Canadian Census Cohort mortality & cancer follow-up to 2011: A research opportunity." *Canadian Council of Cancer Registries Annual General Meeting*, Statistics Canada, Ottawa, ON.
60. Harris A, Tjepkema M, Peters PA, Demers P. (2012, May-June) "Surveillance of fire-fighter and police cancer risks in a national population-based cohort." Paper presented at *The Canadian Association for Research on Work and Health*, Vancouver, BC.
61. Peters PA. (2011, October) "Methodological approaches to studying Inuit health in northern Canada." Paper presented at the opening plenary of the *Circumpolar Health Metrics Conference*, Yellowknife, NWT.
62. Peters PA & Tjepkema M. (2011, September) "Census data linkage: 1991-2006 Canadian census mortality and cancer follow-up study." Paper presented at the *Socio-economic Conference 2011*, Statistics Canada, Gatineau, QC.
63. Peters PA & Atari DO. (2011, September) "Spatial methods for calculating ecological variables in environmental health research." Paper presented at the *Health Data Users Conference*, Statistics Canada & Canadian Institute for Health Information, Ottawa, ON.

64. Peters PA. (2011, July) "Health inequalities of Inuit Nunangat in perspective." Opening keynote at the *Thompson Rivers University International Research Institute*, Kamloops, BC.
65. Peters PA. (2010, October) "Getting the data right in remote Canada." Paper presented at the *Beyond Periphery Symposium 2010*, Darwin, Australia.
66. Peters PA. (2010, September) "Demographic and economic futures for Canada's North." Paper presented at the opening plenary of the *Beyond Periphery Symposium 2010*, Whyalla, Australia.
67. Peters PA. (2010, September) "Understanding remote demography in Canada." Paper presented at the *Beyond Periphery Symposium 2010*, Whyalla, Australia.
68. Bassil KL, Buzzelli M, Lanphear B, Peters PA, & Moffatt H. (2010, September) "Development of the Canadian Environmental Health Atlas." Paper presented at the 11th *IFEH World Congress on Environmental Health*, Vancouver, BC.
69. Bassil KL, Buzzelli M, Lanphear B, Peters PA, & Moffatt H. (2010, June) "The Canadian Environmental Health Atlas." Paper presented at the *Canadian Public Health Association Conference*, Toronto, ON.
70. Peters PA. (2009, November) "What age groups and causes of death contribute to lower life expectancy in Inuit Nunangat, 1989-2003?" Paper presented at the *NAHO Conference 2009: Our people, our health*, Ottawa, ON.
71. Peters PA, Bassil K, Buzzelli M, Lanphear B, & Atari DO. (2009, September) "Linking health outcomes and environmental factors: Development of a Canadian atlas of environmental health." Paper presented at the *Health Statistics Data Users Conference*, Statistics Canada, Ottawa, ON.
72. Peters PA, Greenberg L, & Wannell B. (2009, September) "Vital statistics in Inuit Nunaat and the Inuit subregions." Poster presented at the *Health Statistics Data Users Conference*, Statistics Canada, Ottawa, ON.
73. Peters PA. (2009, July) "What age groups and which causes of death contribute most to lower life expectancy in the Inuit-inhabited areas of Canada?" Paper presented at the *14th International Congress on Circumpolar Health*, Yellowknife, NWT.
74. Peters PA. (2009, May) "Longitudinal linkage of the National Population Health Survey to ambient air quality." Paper presented at the *Socio-Economic Conference 2009*, Ottawa, ON.
75. Peters PA & Sabatini F. (2007, August) "Spatial segregation in complex urban systems." Paper presented at the *International Sociological Association Research Committee 21 on Sociology of Urban and Regional Development (RC21), Conference on Urban Justice and Sustainability*, Vancouver, BC.
76. Peters PA. (2007, April) "Spatial segregation and complex systems." Paper presented at the *American Association of Geographers Annual Meeting*, Denver, CO.
77. Ward PM & Peters PA. (2007, April) "Self-help housing and informal homesteading in peri-urban America: Settlement identification using digital imagery and GIS." Paper presented at the *American Association of Geographers Annual Meeting*, Denver, CO.
78. Peters PA. (2006, November) "La forma de lo que viene: Procesos y políticas habitacionales en Santiago, Chile." Paper presented at the *Seminario Latinoamericano 'Teoría y política sobre asentamientos informales'*, Buenos Aires, Argentina.
79. Peters PA. (2005, October) "Fragmentation of urban space in Latin America: A GIS approach to the analysis of segregation." Paper presented at the *2do Congreso Internacional Ciudad y Territorio Virtual*, Concepción, Chile.
80. Ward PM & Peters PA. (2005, October) "Integrating remote sensing/GIS methods in housing analysis." Paper presented at the *2do Congreso Internacional Ciudad y Territorio Virtual*, Concepción, Chile.

81. Skop EH, Amaral EF, Potter JE, & Peters PA. (2005, April) "Spatial segregation in São Paulo, Brazil." Paper presented at the *Association of American Geographers Annual Meeting*, Denver, CO.
82. Peters PA & Skop EH. (2005, April) "The geography of poverty and segregation in Lima, Peru." Paper presented at the *Population Association of America Annual Meeting*, Philadelphia, PA.
83. Skop EH, Amaral EF, Potter JE, Peters PA, & Fusco W. (2004, September) "Migração e segregação residencial no Município de São Paulo." Paper presented at the Annual Meeting of the *Associação Brasileira de Estudos Populacionais (ABEP)*, Caxambú, Brazil.
84. Skop EH, Amaral EF, Potter JE, Peters PA, & Fusco W. (2004, April) "Chain migration and residential segregation in Metropolitan São Paulo." Paper presented at the *Population Association of America Annual General Meeting*, Boston, MA.
85. Hall GB & Peters PA. (2002, May) "Global ideals and local practicalities in governance: Evidence of the spatial digital divide in education policies and planning in Lima, Peru." Paper presented at the *GIS in Developing Countries VI Conference*, Enschede, Netherlands.
86. Peters PA & Crouse DL. (2000, November) "Identifying areas of environmental degradation with socioeconomic statistics: Linkages between poverty and the environment." Paper presented at the *GIS in Developing Countries V Conference*, Los Baños, Philippines.

MEDIA ARTICLES & OPINION

1. Peters PA. (2016) Healthy Cities: Improving quality of life through smart planning. *Spacing Magazine*. Summer, p. 10.
2. Peters PA, Paige A & O'Connell H. (2016, April 9) *Frontage restriction won't protect city's heritage*. The Daily Gleaner (Fredericton). p.A11.
3. Peters PA. (2015, November 20) *Midwives can provide safe, efficient level of care*. New Brunswick Telegraph-Journal. p.A9. (Reprinted Nov. 23 in The Daily Gleaner. p.A6).
4. Bowden G, Crouse D, Dafnos T, Hardy N, Holtmann C, Low J, Nason-Clark N, Peters PA, Tramonte L, & Torri MC. (2015, September 21) *Profs Reject Colleague's Views*. Toronto Star. p.A26.
5. Peters PA. (2015, September 11) *Policies based on evidence needed to improve health*. The Daily Gleaner (Fredericton). p.A8.

MEDIA INTERVIEWS

1. Peters PA. (2019, August 22) Interview for Ottawa Citizen. Brigitte Pellarin. *Pellarin: We need better, reliable data on air pollution in Ottawa*.
2. Peters PA. (2019, May 19) Interview for Huffington Post Global, Nick Robins-Early. *The White Supremacist Professor Teaching at a Public University*.
3. Peters PA. (2018, July 13) Interview for CBC Radio, *As It Happens*, Kevin Robertson. *Health Canada ordered to release confidential drug company data on HPV vaccines*.
4. Peters PA. (2018, May 14) Interview for Sverige radio, *World of Wisdom*, Olof Peterson. *Part 1/3: Aging Well: The new age pyramid*.
5. Peters PA. (2017, November 23) Interview for Australian Broadcasting Corporation, ABC North and West, Sarah Tomlinson. *Mornings: Mid-North Knowledge Partnership*.
6. Peters PA. (2017, May 4) Interviews for CBC Radio New Brunswick. *Information Morning Programs in Moncton, Saint John, & Fredericton: Release of 2016 Census Age & Sex Population Counts*.
7. Peters PA. (2017, February 9) Interview for CBC Radio New Brunswick. *Information Morning Fredericton: Release of 2016 Census Population Counts*.

8. Peters PA. (2017, Feb 9) Interview for Telegraph Journal (Saint John). *Economy needs to diversify if city wants growth: prof.* New Brunswick Telegraph Journal (Saint John).
9. Peters PA. (2016, June 21) Interview for Times & Transcript (Moncton). *Rising tuition and debt keep young New Brunswickers living at home.* New Brunswick Times & Transcript. p.A6.
10. Peters PA. (2016, May 4) Interview for CBC Radio, Terry Seguin. *Information Morning, Canadians Excited for Return of the Long-Form Census.*
11. Peters PA. (2016, May 4) Interview for CTV News. *Return of the Long-Form Census has Canadians Nerding Out.*
12. Peters PA. (2016, May 3) Interview for CBC Television. *Canadians Excited for Return of the Long-Form Census.*
13. Peters PA. (2015, November 8) Interview for Times & Transcript (Moncton). *Province's researchers welcome return of long-form census.* New Brunswick Times & Transcript (Moncton). p.B3.
14. Peters PA. (2015, September 24) Interview for CBC News Online. *UNB professors chastise colleague over immigration views.*
15. Peters PA. (2015, September 23) Television interview with Rachel Cave. *CBC Evening News - UNB professors chastise colleague over immigration views.* Canadian Broadcasting Corporation.
16. Peters PA. (2015, September 23) Interview for Times & Transcript (Moncton). *Professor defends comments on bias against 'white history'.* New Brunswick Times & Transcript (Moncton). 23 Sept. 2015. p.A8.
17. Peters PA. (2015, September 23) Interview for Telegraph-Journal. *Professor defends comments on white history.* New Brunswick Telegraph-Journal. p.A3.
18. Peters PA. (2014, September 30) Television interview with Shelley Steeves. *Evening News – National Seniors Day.* Global News Corporation.
19. Peters PA. (2014, September 29) Interview for Times Transcript. *Where you live helps decide how soon you die.* (Profile of Canada Research Chair appointment) Times & Transcript.
20. Peters PA. (2014, August 19) Radio interview with Lindsey Michael. *CBC Radio 1: Moncton – Midwifery in New Brunswick.* Canadian Broadcasting Corporation.
21. Peters PA. (2014, July 25) Interview by Beatrice Fantoni. Study finds link between long-term exposure to air pollution and higher risk of diabetes-related mortality. *Windsor Star - Health Care*, 2013. Web.

AWARDS AND FELLOWSHIPS

2019–24	Early Researcher Award, Government of Ontario \$341,000, Provincially Competitive Award Title: High Resource Health Users in Rural Ontario: a mixed-method approach
2014–19	Tier II Canada Research Chair, CIHR-funded (resigned in 2017) \$500,000, Nationally Competitive Research Chair Title: Spatial and Social Inequalities of Health and Health Service Delivery Additional support from New Brunswick Health Research Foundation (NBHRF), Maritime Strategy for Patient Oriented-Research Support Unit (MSSU), UNB
2006–08	Andrew W. Mellon Fellowship in Latin American Sociology \$50,000+ (US), International award for exceptional PhD candidates
2005	Andrew W. Mellon Field Research Award (2005) \$15,000 (US), competitive award for field research in Latin America

- 2004–07 Social Sciences and Humanities Research Council Doctoral Fellowship
\$60,000, Competitive Canadian fellowship program
- University of Texas Graduate Scholarship
\$80,000 (US), Graduate tuition and salary award
- 2003 CIDA-CBIE Innovative Research Award for Canadians
\$10,000, Competitive national research award
- 2002 CIDA Student Research Award
\$10,000, Competitive national research award
- 2001 Ontario Graduate Scholarship
\$10,000, Competitive award

AWARDED GRANTS AND CONTRACTS

2026

- Co-Investigator, SSHRC Insight Grant
Fathers in Motion - Understanding and advancing mental well-being and social connection for equity-
owed fathers through physical activity
PI: Dr. Francine Darroch (Carleton University)
\$277,617 (2026-2030)

2024

- Co-Investigator, CIHR Project Scheme
Pan-ancestry approaches to understand the genetic and environmental contributors to mental health in
children and youth
PI: Dr. Jennifer Crosbie (Sick Kids)
\$1,541,475 (2024-2028)
- Principal Investigator, Carleton University, Knowledge Exchange Grant
Visualizing patterns and variations of multi-morbidity and mortality in Canada
\$10,000 (2024-2025)

2023

- Co-Investigator (Carleton Team Lead), Ontario Centre for Innovation
Place-Based Analysis to Understand Health Seeking Behaviour
\$228,974 (2023-2024)
- Principal Investigator, Southlake Ontario Health Team
Strengthening Place-Based Analysis in Ontario Health Teams
\$24,000 (2023)
- Principal Investigator, Carleton University, CIHR Seed Grant
Evaluation of Evidence on Barriers to Rural Healthcare Access and Creation of a Rural Accessibility Index
\$10,000 (2023)

2022

- Principal Investigator, SSHRC Connection Grant
Rural Research: Information, Statistics, and Knowledge (Rural R:ISK)
\$48,000 (2022-2023)

Co-Investigator, Public Health Agency of Canada

Leveraging trauma- and violence-informed physical activity to support individuals who have experienced family violence: A community-based participatory approach

PI: Dr. Francine Darroch (Carleton University)

\$950,000 (2022-2026)

2021

Principal Investigator, SSHRC Insight Grant

Evaluating inequalities in cause-related mortality using multiple causes of death

\$239,750 (2021-2025)

2020

Principal Investigator, Carleton COVID-19 Rapid Response Research Grant

Expansion and scaling of electronic health services for rural communities: An international analysis

\$12,000 (2020-2021)

Co-Investigator, SSHRC Insight Grant

Strengthening Practices: Trauma- and Violence-Informed Physical Activity

PI: Dr. Francine Darroch (Carleton University)

\$185,000 (2020-2024)

2019

Principal Investigator, Ontario Early Researcher Award

Experience of High Health Resource Users in Rural Canada

\$191,000 direct funding, \$341,000 with matched funding (2019-2024)

Principal Investigator, SSHRC Partnership Development Grant

Free Range International Knowledge Exchange

\$199,450 (2019-2022)

Principal Investigator (joint), CIHR Operating Grant, Existing Data

Healthy Cities, Healthy Minds, Genetic and Urban Environmental Influences on Childhood Mental Health

Joint PI: Dr. Russell Schachar (Sick Kids)

\$95,360 (2019-2020)

Principal Investigator, Canadian Partnership Against Cancer (CPAC)

Cancer Survival and Neighbourhood Income

\$100,000 (2019-2020)

Co-Investigator, CIHR Project Scheme

Spit for Science 2 Autism Spectrum Project: Harnessing the Power of Population-Based Samples for Gene x Environment Studies

PI: Dr. Jennifer Crosbie (Sick Kids)

\$1,170,450 (2019-2023)

Co-Investigator, DNA Genotek Innovation Challenges Grant

Rapid Recruitment for Large-Scale Gene by Environment Analyses in Pediatric Mental Health

PI: Dr. Jennifer Crosbie (Sick Kids)

\$30,000 USD (2019-2020)

Co-Investigator, CIHR Operating Grant

Estimating and Mapping Urban Community Differences in Health Outcomes for Adults with Chronic Disease in Canada

PI: Dr. George Kephart (Dalhousie University)
\$99,969 (2019-2020)

2018

Principal Investigator, SSHRC Insight Grant
Agent-Based Modelling of Population Dynamics in Small Villages
\$98,000 (2018-2019)

Principal Investigator, SSHRC Connection Grant
Free Range International Knowledge Exchange
\$49,635 (2018)

Principal Investigator, Charles Darwin University (Australia)
Free Range International Student Exchange, Canadian Principal Investigator
\$40,000 (AUD, 2018)

Principal Investigator, Carleton Health Research Development Grant
Patient-Partnered Analysis of High Health Systems Users in Ontario's Mid-North
\$10,000 (2018-2019)

Collaborator, CIHR Project Grant
Spit for Science 2: Genetic and environmental influences on behaviour and cognition in childhood neuropsychiatric disorders
PI: Dr. Russel Schachar
\$2,604,826 (2018-2023)

2017

Principal Investigator, CIHR Planning & Dissemination Grant
Forecasting the burden of chronic disease in small areas: a spatial epidemiological approach using linked micro data
\$20,000 (2017-2018)

2016

Principal Investigator, Canadian Partnership Against Cancer (CPAC)
Training on "Calculating the social determinants of health for use in cancer analysis"
\$18,000 (2016)

Principal Investigator, Canadian Partnership Against Cancer (CPAC)
Workshop on "Small-area spatial and spatio-temporal analysis of thyroid cancer incidence"
\$5,000 (2016)

Principal Investigator, Government of Canada (Health Canada)
Examining the Association between Industrial Emissions and Mortality
\$24,750 (2015 – 2016 fiscal year)

Principal Investigator, NBHRF Matching Funds
eHIPP Innovation Partnerships (New Brunswick portion of multi-province project)
\$156,200 (2016 – 2021)

Co-Investigator, SSHRC Insight Development Grant
Making Data Matter: Analyzing the material effects of big data use in the agri-food sector
\$64,000 (2016-2017)

2015

Principal Investigator, Government of New Brunswick (PETL)

Population Dynamics in Sparsely Populated Areas

\$55,000 (2015 – 2016 fiscal year)

Principal Investigator, New Brunswick Health Research Foundation (NBHRF) Bridge Grant

Small-area Rate Variation of Chronic Disease in New Brunswick.

\$25,000 (2015 – 2017)

Co-Investigator, CIHR Operating Grant: eHealth Innovation Partnership

Caring near and far: a multi-province investigation of remote monitoring technologies connecting community-based older-adults and their care team.

\$1,480,742 (2016 – 2021)

Co-Investigator, SPOR PIHCI Network: Management & Operations Grant

Creating a New Brunswick Strategic Patient Oriented Research (SPOR) Network for the Primary and Integrated Primary Health Care Innovations (PIHCI)

\$1,000,000 (2015 – 2020)

Co-Investigator, CIHR Partnerships for Health System Improvement (PHSI)

MAAP-AC: Models and Access Atlas of Primary Care in Atlantic Canada. Strengthening Canada's Community Based Primary Healthcare System through Collaborative, Applied, and Policy-Relevant Research

\$10,000 (2015 – 2016)

Principal Investigator, University Research Fund (University of New Brunswick)

Database generation and data visualisation of social and spatial determinants of health

\$7,000 (2014 – 2016)

2014

Principal Investigator, Government of Canada (Public Health Agency of Canada)

Geospatial determinants of positive mental health

\$10,000 (2014 – 2015 fiscal year)

Principal Investigator, NBHRF Establishment Grant

Canada Research Chair, Salary Complement

\$30,000 (2014 – 2016)

2013

Principal Investigator, Canadian Foundation for Innovation, Leaders Opportunity Fund

Advanced server infrastructure for confidential record linkage and collaborative spatial analysis

\$73,496 (2014 – 2019)

ACADEMIC SERVICE

COMMITTEES AND SERVICE

2026-2027

Statistics Canada Research Data Centre (Carleton RDC)

Academic Director (from July 1, 2026)

Populations Journal, MDPI

Editorial Board Member

Eastern Ontario Rural Research Network
Chair, Rural Health Research Ethics Review Board

2025-2026

Statistics Canada Research Data Centre (Carleton RDC)
Academic Director
Populations Journal, MDPI
Inaugural Editorial Board Member
Carleton University Research Ethics Board
Member, Health and Science Review Board (CUREB-B)
Eastern Ontario Rural Research Network
Chair, Rural Health Research Ethics Review Board
Charles Darwin University
External PhD Examiner
Saskatchewan Health Research Foundation
External Grant Review Committee

2024-2025

Statistics Canada Research Data Centre (Carleton RDC)
Member, Carleton University Steering Committee
Carleton University
Carleton University Research Ethics Board (CUREB)
SSHRC Development Grant Review Committee
Populations Journal, MDPI
Inaugural Editorial Board Member
Eastern Ontario Rural Research Network
Chair, Rural Health Research Ethics Review Board
Charles Darwin University
External PhD Examiner
Saskatchewan Health Research Foundation
External Grant Review Committee

2023-2024

Statistics Canada Research Data Centre (Carleton RDC)
Member, Carleton University Steering Committee
Carleton University
Health Science Representative, Research Ethics Board
Health Sciences, Chair of Tenure and Promotion Committee
University, SSHRC Development Grant Review Committee
Populations Journal, MDPI
Inaugural Editorial Board Member
Eastern Ontario Rural Research Network
Chair, Rural Health Research Ethics Review Board
Canadian Institutes of Health Research (CIHR)
Member, Tri-Agency Interdisciplinary Peer Review Committee (TAIPR)
National Science and Engineering Research Council (NSERC)
Discovery Grant External Reviewer

2022-2023 (Sabbatical)

Statistics Canada Research Data Centre (Carleton RDC)
Member, Carleton Steering Committee
Canadian Institutes of Health Research (CIHR)
Member, Tri-Agency Interdisciplinary Peer Review Committee (TAIPR)
Eastern Ontario Rural Research Network
Chair, Rural Health Research Ethics Review Board

2021-2022

Statistics Canada Research Data Centre (Carleton RDC)
Member, Carleton Steering Committee
Eastern Ontario Rural Research Network
Chair, Rural Health Research Ethics Review Board
Social Sciences and Humanities Research Council (SSHRC)
Chair, Insight Development Grant Committee
Carleton University
Graduate Advisor, Department of Health Sciences
Awards Committee, Department of Health Sciences
Equity, Diversity, and Inclusion Committee, Faculty of Science
Mentorship Committee, Faculty of Science
SSHRC Internal Awards Program Review Committee

2020-2021

Statistics Canada Research Data Centre
Member, Carleton Steering Committee
Social Sciences and Humanities Research Council (SSHRC)
Chair, Insight Development Grant Committee
Carleton University
Graduate Advisor, Department of Health Sciences
Awards Committee, Department of Health Sciences
Equity, Diversity, and Inclusion Committee, Faculty of Science
Chair, Senate Committee on Student Awards
Member, SSHRC Internal Awards Program Review Committee
Member, Health Sciences Instructor Search Committee

2019-2020

Statistics Canada Research Data Centre (COOL RDC)
Member, Carleton Steering Committee
Member, COOL RDC Advisory Committee
CIHR Institute for Population and Public Health (IPPH)
Chair, Early Career Investigator Mock Peer Review (2019)
Social Sciences and Humanities Research Council (SSHRC)
Member, Insight Grant Review Committee (2019)

UNICEF Canada

Advisory Committee, Canadian Index of Youth Wellbeing

Carleton University

Graduate Advisor, Department of Health Sciences

Chair, Senate Committee on Student Awards

Member, SSHRC Exchange Program Review Committee

Chair, Departmental Tenure and Promotion Committee (DTPC)

2018-2019

Canadian Institutes of Health Research (CIHR)

Vanier/Banting Doctoral Scholarship Selection Committee (2016-2018)

Social Sciences and Humanities Research Council (SSHRC)

Connection Grants Review Committee Member (2017-2018)

Northern Institute, Charles Darwin University

Research Leader, Free Range Student Research Network

2017-2018

Maritime SPOR Support Unit (MSSU – CIHR funded)

Chair, Research Advisory Committee

Canada Research Chairs Secretariat (CRC)

Program Advisory Committee on Equity Policy

Primary and Integrated Health Care Initiative (PIHCI SPOR – CIHR funded)

Operations Committee & Executive Committee

Canadian Partnership Against Cancer, Canadian Council of Cancer Registrars

Joint Analytic Project on Small-Area Spatio-Temporal Analysis of Thyroid Cancer Incidence

University of New Brunswick

Co-Coordinator, ESRI Canada Centre of Excellence in Higher Education

Faculty of Arts, Level II Faculty Assessment Committee

Research Services, Strategic Research Plan Steering Committee

Research Data Centre Management Committee

NB-IRDT, Strategic Directions Committee

2016-2017

University of New Brunswick, Faculty of Arts

Member, Harrison McCain Fellowship Review Committee

Maritime SPOR Support Unit (MSSU – CIHR funded)

Co-Chair, Scientific Advisory Committee

2014-2016

University of New Brunswick, Faculty of Arts

Level II Faculty Assessment Committee

Global Citizenship Certificate Advisory Committee

International Development Studies Steering Committee

Canadian Foundation for Innovation (CFI)
Expert Grant Review Committee Member

2011-2014

Statistics Canada
Vital Statistics Working Group

2011-2013

Statistics Canada
Data Visualization Working Group

TEACHING AND MENTORSHIP

COURSE INSTRUCTION

2023-26	HLTH 1002: Health Science Communication HLTH 4906: Capstone Course – Research Essay (full-year course)
2022	HLTH 1002: Health Science Communication HLTH 5800: Directed Studies: Health GIS (6 students)
2021	HLTH 5901: Advanced Topics in Interdisciplinary Health Sciences HLTH 5800: Directed Studies: Health GIS (3 students)
2020	HLTH 1002: Health Science Communication HLTH 5800: Directed Studies: Health GIS (4 students) HLTH 5901: Advanced Topics in Interdisciplinary Health Sciences
2019	HLTH 5901: Advanced Topics in Interdisciplinary Health Sciences HLTH 4201: Applied Health Statistics HLTH 1002: Health Science Communication
2018	HLTH 5901: Advanced Topics in Interdisciplinary Health Sciences HLTH 4201: Applied Health Statistics
2017	ECON 6565: Economic Geography
2016	SOCI 3703: Social Demography SOCI 6713: Methods in Social Demography ECON 6285: Public Policy Analysis
2015	SOCI 3523: Sociology of International Development IDST 3003: Institutions of International Development ECON 6285: Public Policy Analysis
2014	SOCI 3523: Sociology of International Development
Seminars	Introduction to Geographic Information Systems in the Social Sciences Introduction to Geographic Information Systems Introduction to PCCF+, 2-day workshop Spatial Analysis in the Social Sciences

GRADUATE SUPERVISION (21 MSc, 5 PhD COMPLETED)

Continuing Holly Salem (MSc, Health Sciences, expected 2026)

Exposure to Air Pollution, Urban Greenness, and ADHD, ASD, and OCD in a Large-Scale Cohort of Canadian Youth.

Raeesa Karodi (MSc, Health Sciences HSTP, expected 2027)
Visualising Rural Health Inequalities via Interactive Mapping

Ana Cristina Collares (PhD, Health Sciences, expected 2026)
Aging and health-related migration for older adults in rural Canada.

Tomoko McGaughey (PhD, Health Sciences, expected 2027)
Chronic disease across the urban rural divide: Investigating the link between social determinants of health and chronic disease high resource users.

Sabrina Buchanan (PhD Co-Supervisor, Health Sciences, expected 2027)
Movement Behaviours and Guidelines for Canadian Children.

2026 Alissa Vaziri (MSc, Health Sciences HSTP, 2026)
Visualization of Multiple Cause Mortality Using Interactive Online Tools.

Madeline Sheppard (PhD Co-Supervisor, Health Sciences, 2026)
Geography of Sexual and Gender Based Violence.

2025 Tina Ganji (PhD, Geography and Environmental Studies)
Unveiling the Spatial Dimensions of Hospitalization and Resource Utilization in Rural Ontario: A Comprehensive Analysis of Travel Time, Socio-demographic Factors, and Healthcare System Usage

Sarah Jones (PhD, Health Sciences, 2025)
Expanding the Impact Assessment Process: evaluating the impacts of natural resource extraction on intersectional and intergenerational health and wellbeing of Indigenous communities in northern Canada.

2024 Samantha Walker (MSc, Health Sciences & Data Science)
Spatial analysis of access to health and care services in Canada across the rural/urban spectrum.

Olga Antsygina (MSc, Health Sciences)
Reliability and validity of instruments containing reported sleep measures among children from birth to <5 years of age: A systematic review.

Khadija Asad, Ayshia Baille, Milan Cuthbert (MSc, Health Sciences HSTP)
Access to and utilisation of health care resources in rural Canada.

2023 Reyhaneh Golestani (PhD, Health Sciences)
Gender, Geography, and Health: A comparative study on young women's access to healthcare systems in small communities in Canada, Australia, and Sweden.

Hira Anjum, Khalid Bastawisy, Benjamin Burrows, Carolyn Van Dam (MSc, Health Sciences HSTP)
Rural Research: Information, Statistics, Knowledge (Rural R:ISK)

2022 Samuel Petrie (PhD, Health Sciences)
Complexity Science and the Evaluation of Pilot Projects within Health Sciences.

Maria Tovar (MSc, Health Sciences)
The 'Other Doctors': Access to Dental Care in Rural and Remote Communities

- 2021 Simon Boushel (MSc, Health Sciences)
Environmental Exposures and Genetic Markers for Autism, ADHD, OCD
- Fatima Asad Ahmed, Julia Bobiak, Fozia Fur, Julia Morris (MSc, Health Sciences HSTP)
Canadian Rural Health Atlas: Development of an interactive resource
- 2020 Alexa Mahling, Monica Sourial, Sajra Trto (MSc, Health Sciences HSTP)
Cracking the Rural Health Code: Policy, Practice, and Potential
- 2017 Kathryn Asher (PhD Sociology)
Is the Perfect the Enemy of the Good? The Role of Dietary Choices, Perceptions, and Experiences in Meat Consumption Patterns in the U.S.
- Isabel Garcés (Master of Applied Health Sciences)
Individual and Ecological Determinants of Access to Mental Health Services Among Youth: An Analysis of Survey and Census Data
- 2016 Rachelle Pelletier (MA Economics, September 2016)
The Impact of English-French Bilingualism on Wages in Canada
- Mingjin Xia (MA Economics, December 2016)
The Impact of Population Aging on Individual Consumption in China
- UNDERGRADUATE THESIS SUPERVISION**
- 2025-26 Rebecca Palmer (BHSc, Health Sciences) *Spatial Variation in Sociodemographic Inequalities Across Canada: Integrating CIHI Equity Stratifiers with the Canadian Accessibility and Remoteness Index (CARI+)*
- Alex Smith (BHSc, Health Sciences) *Functional Vulnerability and Geographic Inequities in Inpatient Mental Health Service Use: A Population-Based Study in Ontario, Canada*
- Emily Womack (BHSc, Health Sciences) *Linking extreme weather conditions to mortality: a spatial dataset for Ontario*
- 2024-25 Adel Yasin (BHSc, Health Sciences) *Multiple Cause Mortality: Insight Into Mortality Disparities by Socioeconomic Status*
- Morgan Klym (BHSc, Health Sciences) *Examining Cause of Death and Prior Diagnosis for Cardiovascular Diseases*
- 2021-22 Ayshia Bailie (BSc, Biology) *Rural Community Engaged Research: Developing Partnerships*
- Kail Schlachter (BA, Geography and Environmental Studies) *Representation of Autism in the Media: Analysis of environmental journalism*
- 2020-21 Tasha Burhunduli (BHSc) *Impact of mining on cultural, economic, and environmental determinants of health in northern Canadian communities*
- Michele LeBlanc (BHSc) *Defining High Resource Health Users in Rural Settings*
- Owen McVeigh (BHSc) *ADHD and OCD Genetic Influences: How nature provides a beneficial environment*
- Amara Umeh (BHSc) *Beyond Wait Times: Examining the use of wait times as an indicator of system health*
- 2019-20 Rami El Shaar (BSc, Biology) *Inequalities in Mortality from Infectious Diseases in Rural and Remote Canada.*
- 2018-19 Chelsea Waid (BHSc) *Designing health services for 'hard to reach' rural populations in Sweden and Canada.*

Claudia Sendanyoye (BHSc) *Comparative Analysis of Recruitment and Retention Initiatives of Healthcare Professionals in Rural Communities in northern Sweden, the Mid North of South Australia, and the 'forgotten north' of Canada.*

Liam Priest (BHSc) *An Evaluation of Rural Youth Substance Use in Canada and Sweden: Causes, Services and Demographics.*

Sydney Morris (BHSc) *A Review of the Transferability of eHealth Initiatives for Small Rural Communities into "Scaled-Up" Programs.*

Sereen Aboukarr (BPAPM) *Best practices to increase adoption and use of eMental Health in rural Canada and Australia: A scoping review.*

2018 Lindsay Dorder (BHSc) *Examining distributions of frequent healthcare users with chronic diseases using patient-engagement processes and geographic patterns.*

INTERNSHIP SUPERVISION

2026 Ella Fracker (I-CUREUS) *Visualization of Multiple Cause Mortality Using Open-Source Software*

2024 Bolu Mafikuyomi (I-CUREUS) *Interactive Health Data Visualization*

Akithma Silva (I-CUREUS) *Interactive Health Data Visualization*

Adel Yasin (Students as Partners Program (SaPP)) *Integrating AI into HLTH 1002*

2023 Alex Smith (Dean's Summer Research Internship) *Rural R:ISK*

Adel Yasin (Health Sciences Summer Research Internship) *Multiple Cause Mortality*

2022 Morgan Klym (Dean's Summer Research Internship) *Multiple Cause Mortality*

2021 Jelissa Dawkins (Health Sciences Research Internship) *High Resources Rural Health Users*

Angeli Figurado (I-CUREUS) *Oral Health Interventions in Rural Canada*

Khalil Kain (SDHL Internship) *Multiple Cause of Death Analysis*

Cesar Kattini (I-CUREUS) *Rural Indicators for the Social Determinants of Health*

Matthew Mersereau (I-CUREUS) *Visualizing survival by income in urban and rural Canada*

Eli Mondor (SDHL Internship) *Developing an Interactive Rural Access Map*

William Rice (Deans Summer Research Internship) *Interactive Infographics for Rural Eldercare*

2020 Jaymie Barnabe (SDHL Free Range Internship) *Community engaged research in the Madawaska Valley, a Free Range project*

Owen McVeigh (SDHL Data Analysis Internship) *Developing spatial data models and analysis for links between the environment and neurological conditions*

Eli Mondor (SDHL Data Analysis Internship) *Creation of core data sets for rural health research*

Mikayla Young (I-CUREUS) *Recruitment and Retention of Mental Health Professionals in Rural Canada and Australia.*

2019 Holly Simpson (I-CUREUS) *Inequalities in Health in Rural and Remote Canada.*

Sebastian Steven (Health Sciences Research Internship) *Knowledge Mobilization of Rural Health Research Across the Life-course.*

Kelly Biggs (I-CUREUS) *High Resource Hospital Users in Rural Canada.*

2018 Michele LeBlanc (I-CUREUS) *Patient and Provider Perspectives of High Resource Hospital Users in Rural Ontario.*

Michele LeBlanc (Deans Summer Research Internship) *Analysis of eHealth Pilot Projects in Rural Sweden, Canada, and Australia.*

Saambavi Paskaran (Health Sciences Research Internship) *Analysis of eHealth Pilot Projects in Rural Sweden, Canada, and Australia.*

Shireen Fergal (Health Sciences Research Internship) *Geographic Variation of Frequent Hospital Users and Income Inequality in Rural Communities of Canada.*

DIRECTED STUDIES SUPERVISION

- 2025-26 Leen Al-Hasan (BHSc), *Visualizing the Canadian Accessibility and Remoteness Index (CARI+)*
 Chris Atherton (BHSc), *Canadian Accessibility and Remoteness Index (CARI+) for Schools*
 Maria Craig (BHSc), *Visualizing the Canadian Accessibility and Remoteness Index (CARI+)*
 Jahnvi Dhatva (BHSc), *Canadian Health Survey on Children and Youth*
 Elijah Element (BHSc), *Canadian Accessibility and Remoteness Index (CARI+) for Mental Health*
 Miryam Elhayek (BHSc), *Visualizing the Canadian Accessibility and Remoteness Index (CARI+)*
 Joyce Halal (BHSc), *Visualizing the Canadian Accessibility and Remoteness Index (CARI+)*
 Adekunbi Luwaji (BHSc), *Visualizing the Canadian Accessibility and Remoteness Index (CARI+)*
 Kate Melanson (BHSc), *Complex Systems and Health Research*
 Deepesh Ramesh (BHSc), *Enviro-genetics of ADHD, Autism, and OCD*
 Carlee Ridley (BHSc), *Canadian Accessibility and Remoteness Index (CARI+) for Obstetrics*
- 2024-25 Alex Smith (BHSc), *Enviro-genetics of ADHD, Autism, and OCD*
 Anastasiia Kostianets (BHSc), *Enviro-genetics of ADHD, Autism, and OCD*
 Rebecca Palmer (BHSc), *Multiple Cause Mortality in Canada*
 Emma Chisholm (BHSc), *Mapping Pharmacy Access in Ontario, Canada*
- 2023-24 Piper Hall (BHSc), *Mortality Inequalities in Rural Canada*
 Morgan Klym (BHSc), *Multiple Cause Mortality in Canada*
 Adel Yasin (BHSc), *Enviro-genetics of ADHD, Autism, and OCD*
- 2021-22 Tadi Hondonga (BHSc), *Rural eHealth Solutions*
 Khalil Kain (BHSc), *Multiple Cause Mortality*
 Cesar Kattini (BHSc), *Social Determinants in Rural Eastern Ontario*
 Adrienne Little (BHSc), *Knowledge Translation for Rural Health Teams*
 Emily Pope (BHSc), *Oral Health in Rural Canada*
 Jayaprakash Tarini (BHSc), *Rural Community Engagement*
 Graduate summer course – 3 students, *GIS and Public Health*
- 2020-21 Adam Green (BHSc), *Inequality in Mortality by Income, Rurality, and Cause of Death in Canada*
 Tiffany Kok (BHSc), *Environmental and Social Inequities in Canada*
 Graduate summer course – 9 students, *GIS and Public Health*
- 2019-20 Sajra Trto (MSc), *Cancer Survival by Economic Family Income in Canada*
 Nahya Awada (PhD), *Access to Orphan Drugs in Canada: beyond reimbursement decisions*
 Alexa Mahling, Monica Sourial (MSc), *Qualitative Methods in Health Sciences*
 Holly Simpson (BHSc), *Remoteness and Health Outcomes in Rural Canada*
 Erica Chen, Devin Wood (MSc), *Health Issues on Age, Gender, Culture, and Sexual Orientation*
- 2018-19 Kelly Biggs (BHSc), *Frequent Hospital Users and Income Inequality in Rural Canada.*
 Saambavi Paskaran (BHSc), *Rural eHealth Initiatives for Chronic Disease Management.*
 Laleah Sinclair (MSW), *Accessibility of Health Services for Rural Youth.*
 Chelsea Waid (BHSc), *Reflections on Designing Health Services for 'hard to reach' Rural Youth.*
 Claudia Sendanyoye (BHSc), *Reflections on Rural Recruitment and Retention Initiatives.*

THESIS EXAMINATIONS AND GRADUATE COMMITTEES

- Continuing Dana Simpson (PhD Committee Member, Health Sciences)
 Candace Roberts (PhD Committee Member, Health Sciences)

	Israa Moussa (PhD Committee Member, Engineering)
2026	Charlotte Girard (MA External Examiner, Psychology) Alison Shultz (MA External Examiner, Anthropology) Simón Velásquez Matijasevic (MA External Examiner, Sociology)
2025	Fatemeh Ahmadiharchegani (PhD Proposal Examiner, Data Science) Aravind Ramanathan (MPPA External Examiner, Public Policy and Administration)
2024	Sophia Ali (MSc Committee Member, Health Sciences)
2023	Derek Mikola (PhD External Examiner, Economics)
2022	Marina White (PhD Committee Member, Health Sciences)
2021	Candace Roberts (MSc Committee Member, Health Sciences)
2020	Madeline Lamarra (MSc Committee Member, Health Sciences) Colin Capaldi (PhD External Examiner, Psychology)
2018	Silvana Agterberg (MA External Examiner, Psychology) Kent Thomas Jacobs (MSc External Examiner, Geography and Environmental Science) Patrick Reid (MSc External Examiner, Epidemiology, Dalhousie)
2017	Saibo Peng (MA Examiner, Economics)
2016	Jafar El Armali (MA Examiner, Economics) David Miller (MA Examiner, Psychology) Stephanie Richardson (MA Examiner, Applied Health Studies)
2015	Haorui Wang (MA Examiner, Economics) Pius Ariho (PhD External Examiner, Mathematics)
2014	Sabarish Muthu (M.Eng. External Examiner, Geomatics & Geodesy Engineering)