

CANADIAN HUMAN RIGHTS TRIBUNAL

BETWEEN:

**FIRST NATIONS CHILD AND FAMILY CARING SOCIETY OF CANADA and
ASSEMBLY OF FIRST NATIONS**

Complainants

-and-

CANADIAN HUMAN RIGHTS COMMISSION

Commission

-and-

**ATTORNEY GENERAL OF CANADA
(representing the Minister of Indigenous Services Canada)**

Respondent

-and-

**CHIEFS OF ONTARIO, AMNESTY INTERNATIONAL CANADA, and
NISHNAWBE ASKI NATION**

Interested Parties

**SUPPLEMENTAL AFFIDAVIT OF DR. MARTIN COOKE
(Affirmed May 15, 2025)**

I, Dr. Martin Cooke, of the City of Waterloo, in the Regional Municipality of Waterloo, in the Province of Ontario, **MAKE OATH AND SAY:**

1. I have been asked to prepare this affidavit as a supplement to the affidavit of Grand Chief Alvin Fiddler, affirmed on March 7, 2025, made in support of the joint motion for an order: that the Final Agreement on Long-Term Reform of the First Nations Child and Family Services Program in Ontario (the “**OFA**”), is approved, without condition; that the Ontario

Final Agreement and the Trilateral Agreement Respecting Reform of the 1965 Agreement satisfy, supersede, and replace all orders of the Tribunal related to the discrimination found by the Tribunal concerning all elements of the Complaint in Ontario relating to the First Nations Child and Family Services (“**FNCFS**” or the “**Program**”) Program in Ontario and the Memorandum of Agreement Respecting Welfare Programs for Indians; and ending the Tribunal’s jurisdiction over long-term reform of the FNCFS in Ontario, save for aspects related to the interpretation and implementation of Jordan’s Principle.

2. I am a Professor in the Department of Sociology and Legal Studies and the School of Public Health Science at the University of Waterloo. I have been working as an Assistant Professor at the University of Waterloo since 2005. Most recently, I transitioned from my role as an Associate Professor to a Professor in May 2024. For clarity, attached as **Exhibit “A”** to this affidavit is a copy of my curriculum vitae.
3. I was hired by Nishnawbe Aski Nation (“**NAN**”) in 2018, in agreement with Indigenous Services Canada (“**ISC**”), to conduct an independent peer review of the quantitative data modeling and analysis in *Phase II of the Remoteness Quotient Research Project* (“**RQ Project**”) *Final Report*, as is outlined in further detail below. Following this work, when a NAN-Canada RQ Table was tasked with creating a Remoteness Quotient Adjustment Factor (“**RQAF**”), I became one of NAN’s technical experts. I have sat at this table since May 2021. As such, I have knowledge of the facts herein deposed by me.
4. The RQAF was incorporated into the draft Final Settlement Agreement (the “**draft FSA**”), as is outlined at paragraphs 41-56 of Grand Chief Fiddler’s affidavit. As the draft FSA was later regionalized to become the OFA, this affidavit provides a technical description of the methodology behind remoteness adjustments to funding in the OFA. I, therefore, make this affidavit for the purpose above, as was referenced at paragraph 78 of Grand Chief Fiddler’s affidavit, and for no other or improper purpose.

Understanding Remoteness

5. Remoteness is fundamentally a lack of connectedness to other places, people, and institutions. It is associated with geography, including the distance of a community from population and service centers, and the cost and time associated with transporting both goods and people. In Canada, remote communities also tend to be further north, and climate and local geography affect service provision. Remoteness can also be associated with political or cultural isolation, including a lack of connectedness to decision-making institutions, to markets, or to the perceived centers of power.

Cost Implications of Remoteness

6. The unit costs implied by remoteness for remote communities are substantially higher, including, but not limited to:
 - **Transportation Costs:** Remote communities often rely on expensive modes of transportation, increasing the cost of goods and services.
 - **Goods and Services:** Higher transportation costs lead to increased prices for everyday goods and materials, impacting the overall cost of living.
 - **Service Delivery:** Providing healthcare, education, and other essential services in remote areas requires additional resources and logistical efforts, further driving up costs.
 - **Employment Costs:** Attracting and retaining skilled workers in remote areas often necessitates higher wages and additional allowances.

Adjusting Funding for Remoteness: The RQ Work

7. I have been informed by counsel for NAN, Meaghan Daniel, and do verily believe that on March 29, 2017, the Tribunal ordered Indigenous and Northern Affairs Canada (which is now ISC, and hereinafter referred to as ISC) and NAN to work together to develop and implement an immediate relief formula accounting for remoteness for three (3) NAN agencies (*First Nations Child & Family Caring Society of Canada et al. v Attorney General of Canada (representing the Minister of Indigenous and Northern Affairs Canada)*, 2017 CHRT 7). This Tribunal ordered Canada to provide funding to NAN to support the expert proposal provided by NAN to ISC in the context of a Remoteness Quotient Technical Table.

8. NAN hired Dr. Thomas A. Wilson and David Barnes to conduct work for NAN at the RQ Technical Table.
9. The work of these experts was filed with the Tribunal as follows:
 - Phase I RQ Report, filed on September 8, 2017;
 - Phase II RQ Interim Report (“the Interim Report”), filed on August 22, 2018;
 - Executive Summary of the Interim Report, filed on August 22, 2018; and
 - Phase II RQ Final Report (“the Final Report”), filed on March 29, 2019.
10. Phase I of the RQ Project began with an update to the 2006 report “Northern Remoteness Study and Analysis of Child Welfare Funding Model Implications on Two First Nations Agencies” (the “**Barnes Report**”), by using updated data and including Kunuwanimano Child and Family Services in the analysis. It found that immediate relief funding should be provided to the three (3) agencies subject to the report.
11. Phase II of the RQ Project was expanded beyond its original scope of updating the Barnes Report using 2016 census data, to include producing a research paper on the development of a remoteness coefficient and quotient that would include detailed information on the calculations, costing assumptions, and formula underlying the research. It was to explain whether the remoteness coefficient could be applied nationally, and if not, what would be required to make it applicable across Canada.
12. The remoteness coefficient is a factor that can be applied to child and family services funding for agencies to determine the amount of additional funding that would be required to account for remoteness costs, to enable an agency serving remote communities to provide the same standard of service as provided by agencies to non-remote communities in Ontario. When the remoteness coefficient is applied to child welfare funding allocations, the resulting figure from this calculation is called the Remoteness Quotient (“**RQ**”).

Peer Review of the RQ work

13. I was engaged by NAN in early November 2018, as a measure of due diligence to have a third party review the Interim Report and provide an assessment of whether the experts had accomplished what was set out in the Engagement Letter, in a credible way. My review ultimately produced changes in the Final Report to ensure adequate justifications of the methodological choices made. In addition, I confirmed that the RQ work had used appropriate data. The affidavit outlining the above was sworn on November 28, 2019, and filed before the Tribunal related to the compliance motion dated October 4, 2019.

From the Remoteness Quotient to the Remoteness Quotient Adjustment Factor

14. As is outlined in the affidavit of Grand Chief Fiddler, on December 31, 2021, the First Nations Child and Family Caring Society of Canada, Assembly of First Nations, Chiefs of Ontario, NAN, and Canada signed an Agreement in Principle (“AIP”) on the Long-Term Reform of the Program. This AIP did several things, including committing Canada to address issues related to remoteness.

15. Starting in May 2021, the NAN-Canada RQ Table was tasked with creating an RQAF to adjust funding to account for remoteness in providing child and family services. I am one of NAN’s technical experts at that table, along with Dr. David Stiff.

16. To explain the movement from RQ to RQAF, I can provide the following information. The RQAF combines features of two (2) existing approaches: (1) the NAN RQ approach, a region- and sector-specific approach; and (2) Canada’s generic Cost Adjustment Factor (“CAF”) approach, to create a First Nations-sighted and statistically valid measure that can be applied to adjust funding due to remoteness in communities across the country for the provision of FNCFS.

17. As above, the RQ work is well established with several strengths. It is truly First Nations-sighted, insofar as it was developed by NAN and uses data specifically for FNCFS. It uses detailed Ontario agency-level cost data and the Statistics Canada Index of Remoteness (“IoR”) to compare the costs of remote and non-remote child and family service agencies serving First

Nations' clients. A semi-log regression model produces a Remoteness Coefficient, which is a measure of the additional costs due to remoteness, with adjustments for the relative size of the agency's catchment population and the proportion of the population that is aged nineteen (19) and under.

18. The generic CAF approach uses linear regression models to estimate the effects of remoteness, also using the IoR. The CAF is calculated for all communities in Canada, including six hundred and nineteen (619) First Nations Bands. The CAF estimates the effect of remoteness on two (2) cost categories: (1) employment and transportation, using employment cost data from the National Joint Council's Isolated Posts Index; and (2) Government Housing Directive and shipping data from Canada Post. These two (2) factors are combined and are weighted 30% and 70% respectively, following the general employment services and goods split in Canadian Gross Domestic Product. Moreover, the CAF includes a factor that adjusts for whether a community is not connected to the road network. Robust analysis of the methodology has shown the importance of including the non-road-connectedness into the model.
19. Each of these approaches has advantages. The NAN approach was developed in an FNCFS context and uses very detailed agency-level cost data. The CAF approach is more general but uses Canada-wide, community-level data and explicitly incorporates non-road-connectedness. However, the CAF assumes a ratio of employment costs to shipping costs that might not hold for FNCFS.
20. Recognizing the value of combining ISC's CAF, which uses national-level data, with NAN's RQ approach, which is First Nations-focused and evidence-based, between May 2021 to May 2024, the NAN-Canada RQ Table worked to take the best from each approach to be incorporated in a single measure, ultimately, developing the RQAF. The RQAF integrates features from both approaches to better estimate increased costs according to each community's IoR.

The Current Measure of Remoteness for Adjusting Funding

21. For those who live or work in remote communities, remoteness is easily felt and intuitively understood. However, it is challenging to measure. For the purposes of quantifying a measure of remoteness, Statistics Canada and ISC partnered to develop the Canadian IoR in 2017. This continuous index ranges from zero (0) to one (1), where zero (0) represents the lowest level in the current measure of remoteness and the closest proximity to population centers. It is based on two (2) main dimensions:
- **Distance:** The distance of a community to population centers within a 2.5-hour travel time.
 - **Population Size:** The size of the population centers within this travel range.
22. While a continuous scale is informative, a threshold for classifying communities as remote and non-remote is often more practical. To this end, ISC commissioned a study with Statistics Canada to determine an appropriate threshold for classifying communities based on the IoR. The study, which considered population size, identified a score of 0.40. Accordingly, communities with an IoR score of 0.4 or higher would be classified as remote, while those below this score would be considered non-remote (alternatively, more-remote, and less-remote, etc.).
23. For further clarity, on April 22, 2024, Statistics Canada presented an empirical rationale for the 0.4 as a binary cut-off. The presentation clarified that the strength of the binary cut-off lies in its foundation in the natural breaks found within the IoR, forming groups with a level of commonality between communities, alongside the use of population thresholds. The methodology described above uses natural clusters in IoR and community-specific factors to identify a binary cut-off. Attached as **Exhibit “B”** to this affidavit is a copy of the Statistics Canada presentation.
24. The development of the IoR and remoteness threshold aims to classify communities by level of remoteness. Since the index itself cannot be used directly to adjust funding, additional methodologies were needed to translate the index into a tool to adjust funding.

The Remote Quotient Adjustment Factor Calculation

25. ISC and NAN worked closely to translate the geographic remoteness measures into a practical tool to adjust funding for remote First Nations communities. At a high level, a regression equation is used to predict the log of the ratio of the agency costs to those of a set of non-remote agencies, as in the NAN RQ. Predictors include the IoR and a fly-in factor, as in the CAF. Agency-level RQAF are converted to community-level values by using the Census Subdivision populations as weights. The ratio of the population-weighted average RQAF to the population-weighted average CAF values for NAN communities, is used to create an adjustment factor. This adjustment factor is used to calculate the RQAF, based on the CAF.
26. The calculation of the RQAF for a First Nation depends on data quality and availability used for the RQ and the CAF. While the RQ provides values for NAN First Nations, it does not provide adjustment factors for regions outside of NAN. However, the CAF provides estimates for all communities. Therefore, it is possible to adjust the CAF over communities which have RQ values, to allow the calculation of adjustments for all First Nations including those outside of NAN. The CAF includes a distinction between communities which are connected by all-weather roads and those that are not, while the RQ does not. Therefore, to align the CAF to RQ values, two cases must be considered.
27. For NAN First Nations with IoR greater than 0.4, which are connected by all-weather road data, the RQ approach provided the best estimate of a remoteness adjustment. Across these communities, the CAF, on a population-weighted average basis, is 1.089 times greater than the RQ. Therefore, for NAN communities connected by all-weather roads to the main road network, the RQAF is calculated by multiplying the CAF by an adjustment factor of 1.089.
28. For the remaining NAN First Nations, not connected by all-weather roads to the main road network, the CAF produces values which are generally slightly greater than the RQ values. On a population-weighted average basis, the RQ values across these First Nations are 0.879 times the CAF values. Therefore, to adjust the CAF to align with the RQ, the CAF is multiplied by 0.879. This adjustment of the CAF is applied to all First Nations which are not NAN road-connected communities.

29. The specifics of the calculation of the reformed FNCFS Program's remoteness adjustment for a First Nation are articulated below:

- i. Identify the First Nation's Index of Remoteness score using the 2021 Census data.
- ii. For First Nations with a 2021 Index of Remoteness score at or above 0.40, determine if the First Nation is connected by an all-weather road.
- iii. Compute the RQAF:
 - **If a NAN First Nation is connected by an all-weather road:**

$$RQAF = (0.709 \times \text{Remoteness Index}) \times 1.089$$
 - **If any other First Nation:**
$$RQAF = [(0.709 \times \text{Remoteness Index}) + (0.704 \times \text{Fly-In Status})] \times 0.879$$

30. The specifics of the calculation for an FNCFS Agency are as follows: (a) calculate the population-weighted average RQAF for all affiliated First Nations, assigning an RQAF of 0 for those with a Remoteness Index score below 0.40; and (b) multiply (a) by the FNCFS Agency's funding for prevention and emergency.

Examples

First Nation	Agency	Index of Remoteness	Population	NAN	Fly-in (No=0, Yes=1)	RQAF
Community 1	Agency 1	0.1	100	Yes	No	0
Community 2	Agency 2	0.5	200	Yes	No	$(0.709 \times 0.5) \times 1.089 = 0.386$
Community 3	Agency 1	0.7	300	No	Yes	$(0.709 \times 0.7 + 0.704) \times 0.879 = 0.501$
Community 4	Agency 2	0.1	400	No	No	0
Community 5	Agency 1	0.5	500	No	No	$(0.709 \times 0.5 + 0) \times 0.879 = 0.311$
Community 6	Agency 2	0.6	600	No	Yes	$(0.709 \times 0.6 + 0.704) \times 0.879 = 0.439$

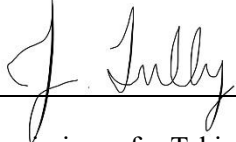
Agency 1: $(100 \times 0 + 300 \times 0.501 + 500 \times 0.311)/900 = 0.340$

Agency 2: $(200 \times 0.386 + 400 \times 0 + 600 \times 0.439)/1200 = 0.283$

Conclusion


31. The NAN-Canada RQ Table has developed a methodologically sound approach to calculating remoteness-related costs of delivering FNCFS in Ontario using appropriate available data.
32. Should the OFA be approved by the Tribunal, the NAN-Canada RQ Table will continue to work on developing and further refining the RQAF, with support from the Ontario Remoteness Secretariat. Indeed, the OFA empowers the Ontario Reform Implementation Committee to consider input from the NAN-Canada RQ Table, including any modelling or research undertaken, to inform recommendations for reform during Program Assessments. As such, technicians and experts, like me, will continue to advance the precision of the RQAF as it evolves for decades to come.
33. I make this affidavit for the purposes of NAN's submissions on its motion regarding the RQAF work and for no other or improper purpose.

AFFIRMED remotely by Dr. Martin Cooke, stated as being located in the City of Waterloo, in the Province of Ontario, before me at the City of Thunder Bay, in the Province of Ontario, on May 15, 2025, in accordance with [O. Reg. 431/20](#), *Administering Oath or Declaration Remotely*.



Commissioner for Taking Affidavits

Jordan Victoria Tully, a Commissioner, etc.,
Province of Ontario, while a Student-at-Law.
Expires April 25, 2028.

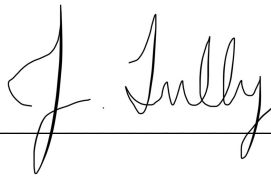


Dr. Martin Cooke
(signed electronically, over videoconference)

W:\Doc\N\NAN CHRT- Canadian Human Rights Tribunal. 2076-17\Court\Affidavit on Ending Jurisdiction\NAN
Supplemental Affidavit\Affidavit of Dr. Cooke - May 15 2025 FINAL.pdf

TAB 1

This is Exhibit "A" referred to in the
Supplemental Affidavit of Dr. Martin
Cooke affirmed before me, on this
15th day of May, 2025.

A handwritten signature in black ink, appearing to read "J. Tully", is written over a horizontal line.

Commissioner for Taking Affidavits

Jordan Victoria Tully, a Commissioner, etc.,
Province of Ontario, while a Student-at-Law.
Expires April 25, 2028.

Curriculum Vitae

Name: Martin James Cooke

Department: Department of Sociology and Legal Studies (51%), School of Public Health Science (49%)

Degrees (including University and date):

- | | | | |
|---------|------------|---|-------------------------------|
| a) 2005 | Ph.D. | Sociology | University of Western Ontario |
| b) 1999 | M.A. | Sociology | University of Western Ontario |
| c) 1997 | B.A. (Hon) | Sociology | University of Winnipeg |
| d) 1994 | B.A. | Administrative Studies
and Sociology | University of Winnipeg |

Dissertation title: *Lone Mothers, Social Assistance, and the life Course*

Post PhD employment (other than at UWaterloo)

- | | |
|------------|---|
| a) 2005 | Postdoctoral Researcher, Workforce Ageing in the New Economy project at the Cambridge Interdisciplinary Research Centre on Ageing, University of Cambridge and University of Western Ontario Department of Sociology. |
| b) 2005 | Adjunct Professor, Department of Sociology, University of Western Ontario |
| c) 2002 | Sessional Instructor, Department of Sociology, University of Western Ontario |
| d) 1998–99 | Junior Research Officer (temporary), Strategic Research Directorate, Indian Affairs and Northern Development Canada |

Employment at UWaterloo

- | | |
|---------------------|---|
| a) 2024– | Professor (tenured), Department of Sociology and Legal Studies and School of Public Health Sciences, University of Waterloo. |
| b) 2021–
present | Associate Professor (tenured), Department of Sociology and Legal Studies and School of Public Health Sciences, University of Waterloo. |
| c) 2011–21 | Associate Professor (tenured), Department of Sociology and Legal Studies and School of Public Health and Health Systems, University of Waterloo. |
| d) 2010-11 | Associate Professor (tenured), Departments of Sociology and Legal Studies & Health Studies and Gerontology, University of Waterloo. |
| e) 2005-10 | Assistant Professor (probationary), University of Waterloo. Jointly appointed in the Sociology Department and Department of Health Studies and Gerontology. |

Other relevant biographical information

Awards and honours

- | | |
|---------|---|
| a) 2022 | Outstanding Performance Award, University of Waterloo Faculty of Arts |
| b) 2019 | Outstanding Performance Award, University of Waterloo Faculty of Arts |
| c) 2016 | Outstanding Performance Award, University of Waterloo Faculty of Arts |
| d) 2014 | Canadian Sociological Association, Angus Reid Applied Sociology Award |

e) 2013 Outstanding Performance Award, University of Waterloo Faculty of Arts

Research Grants and contracts

1. *Healthy Cities Research Initiative: Data Analysis Using Existing Databases and Cohorts*. CIHR Operating Grant. L. Minaker (P.I.), Cooke, M., Buttazoni, A., Moos, M., Gilliland, J., Nichols, G., Smith, L. (Co-Applicants). 2023–25
\$100,000
2. *Caregiving, work and income among women immigrants in Canada*. SSHRC Insight Development Grant. M. Cooke (P.I.), K. Rybczynski (co-Applicant). 2022–24
\$74,875.50
3. *Caregiving, work and income among women immigrants in Canada*. UW SSHRC Explore grant. M. Cooke (P.I.), K. Rybczynski (Co-Applicant). 2021–23
\$10,000
4. *What impacts COVID-19 vaccine uptake in Métis Citizens in Ontario? A population-based data linkage study*. CIHR Operating Grant: Emerging COVID-19 Research Gaps and Priorities Funding Opportunity. Cooke, M. (P.I.), Gonneville, S. (Knowledge User), Chaurasia, A., Edwards, S., King, K., Kwong, J., Walker, J. and McReady, G. (co-Applicants) 2021–23
\$181,960
5. *Family, work and income trajectories of women immigrants in Canada*. Women and Gender Equality Canada. M. Cooke (P.I.), K. Rybczynski (co-Applicant) 2019–21
\$52,759
6. *Development of A Canadian Youth Cannabis survey: Understanding changing aspects of cannabis use among young Canadians*. CIHR Catalyst Grant: Population Health Intervention Research on the Legalization and Regulation of non-Medical Cannabis in Canada. Cooke, M. (PI). Asbridge, M., Baskerville, N.B., Elton-Marshall, T., Grootendorst, P., Guindon, E., Hammond, D., MacDonald, J., MacDonald, M., Mancuso, M., Milicic, S., Montreuil, A., Muhajarine, N., Wild, C., (Co-applicants). Abramovici, H., Laroche, J., Porath, A. (Knowledge Users). 2018–19
\$99,820.
7. *Canadian Student Tobacco, Alcohol and Drugs Survey (CSTADS)*. *Health Canada*. Cooke, M. (PI). Asbridge, M., Card, A., Elton-Marshall, T., Hammond, D., MacDonald, J., Macdonald, M., Mancuso, M., Montreuil, A., Muhajarine, N., Wild, C., (co-Applicants). 2018–19
\$1,860,643.42
8. *Ontario Pharmacy Evidence Network: Building Quality, Sustainable Medication Management Services for Patients and the Healthcare System (OPEN: STIMULUS)*, Health System Research Fund (HSRF) Program Awards. Waite N (program lead), Dolovich L (program co-lead); Co-Investigators: Austin Z, Cadarette S, Cooke M, Farrell B, Houle SL, Mangin D, McCarthy L. 2017–19
\$2,399,299
9. *What Can Existing Data tell us Aboriginal Spatial and Socioeconomic Inequality?* SSHRC Insight Grants. M. Haan (PI), M. Cooke, G. Goldmann (Co-applicants). 2016–20
\$169,000
10. *Intergenerational effects of residential schooling on obesity rates among Indigenous Canadians: understanding the causal mechanisms*. Indigenous 2015
\$6,000

- and Northern Affairs Canada, Aboriginal Peoples Survey Pilot Project Grant. P. Wilk, P.I., M. Cooke, Co-P.I.
11. *Mapping Health Geography Data and Pharmacy Access*. UW Chronic Disease Prevention Initiative Seed Grant. N. Waite, P.I., M. Cooke, co-Applicant. 2015
\$9,800
 12. *Investigating the impact of vitamin D supplementation on bone health in women with epilepsy*. UW Chronic Disease Prevention Initiative Seed Grant. T. Patel, P.I., M. Cooke, co-Applicant. 2015
\$9,314
 13. *Investigating the contribution of major risk factors to hospitalization for chronic disease using linked survey and hospital administrative data*. Waterloo Research Incentive Fund. M. Cooke, P.I. 2015
\$8,000
 14. *Aboriginal Education and Income Inequality in Canada, 1981-2011*. Strategic Research Directorate, Aboriginal Affairs and Northern Development Canada. M. Cooke, P.I. 2014
\$15,000
 15. *Ontario Pharmacy Research Collaboration (OPEN)*. Ontario Ministry of Health and Long-Term Care Health System Research Fund. N. Waite and L. Dolovich, Co- Pis. M. Cooke, Gender and Vulnerable Populations Team Co-Lead. 2013–16
\$5,773,616
 16. *Healthy Weights Forum: Working Together to Promote the Health of First Nations and Métis Children in our Communities*. Public Health Agency of Canada Innovation Strategy, Taking Action to Reduce Health Inequalities in Canada Phase II: “Achieving Healthier Weights in Canada’s Communities” M. Cooke, P. Wilk, Co-Pis. 2013–17
\$1,595,159
 17. *Obesity among Metis and Off-Reserve First Nations children: Understanding contexts and determinants*. Canadian Institutes of Health Research Operating Grant. M. Cooke (P.I), P. Wilk (co-PI) 2011–13
\$96,000
 18. *The Impact of Migration on the First Nations and Inuit Community Well-Being Index*. Aboriginal Affairs and Northern Development Canada. M. Cooke, PI. 2011–12
\$24,380
 19. *Reducing Obesity among Aboriginal Children and Youth in Canada: Development of Intervention through a Community-Based Collaboration*. Public Health Agency of Canada Innovation Strategy, Phase 1. M. Cooke, P. Wilk, Co-Pis 2011-12
\$150,000
 20. *Early Childbearing and the Life Course*. Indian and Northern Affairs Canada. (M. Cooke, P.I.) 2010–11
\$9,677.73
 21. *Aboriginal Inequality and the Life Course*. 3-Year SSHRC Standard Research Grant. M. Cooke, Principal Investigator. J. Frideres, Co-Applicant 2007–10
\$114,000

- | | | |
|-----|---|----------------------|
| 22. | <i>The Effects of Bill C-31 Registrations on Aboriginal Human Development Index and Gender-Related Development Index Measurements.</i> Indian and Northern Affairs Canada. M. Cooke, P.I. | 2007
\$14,249.19 |
| 23. | <i>Older Registered Indian/Registered Indian youth Human Development Index.</i> Indian and Northern Affairs Canada, M. Cooke, P.I. | 2007
\$50,000 |
| 24. | <i>Aboriginal Inequality in Life Course Perspective.</i> Human Resources and Social Development Canada. P. Bernard, P.I., S. McDaniel, A. Gazso, M. Cooke, Co-Applicants | 2007
\$28,000 |
| 25. | <i>La participation sociale des Canadiens à travers l'analyse des parcours de vie.</i> SSHRC Standard Research Grant. Stephanie Gaudet, P.I. M. Cooke, Collaborator. | 2005–08
\$141,810 |
| 26. | <i>Examining the effects of Changes to the Census Education Measures on the Registered Indian Human Development Index.</i> Indian and Northern Affairs Canada. M. Cooke, P.I. | 2006
\$12,000 |

PUBLICATIONS

Major publications already in print or formally accepted for publication

I. Books

II. Chapters in Books

1. Khan, T. and Cooke, M. (2024). Household, Neighborhood and Community Contexts and the Mental Health of Immigrants in Canada. In Hillman, Felicitas (Ed.) *Interdisciplinary migration research: relating birds of passage to social policies*. Berlin Universities Publishing. [Contribution Cooke: 50%]
2. Cooke, M. and Wilk, P. (2018). Health and Health Service Needs in Urban Indigenous Communities. Pp. 67–81 in Arya, A.N and Piggott, T., eds. *Under-Served: Health Determinants of Indigenous, Inner-City, and Migrant Populations in Canada*. Toronto: Canadian Scholars' Press. (contribution Cooke: 50%)
3. Cooke, M and Long, D. (2016) A Way Forward in Efforts to Support the Health and Well-Being of Canada's Aboriginal Peoples. pp. 291-318 in Long, D. and Dickason, O.P., eds. *Visions of the Heart, Issues involving Aboriginal Peoples in Canada*, 4th ed. Toronto: Oxford University Press. (contribution Cooke: 50%)
4. Cooke, M. Indigenous Migrations in Canada. (2012) In Ness, E. (ed.) *The Encyclopedia of Global Human Migration*. New York: Blackwell. <https://doi.org/10.1002/9781444351071.wbeghm088> [contribution Cooke: 100%]
5. Cooke, M. and D. Long (2011). Moving Beyond the Politics of Aboriginal Well-Being, Health and Healing. Pp. 310-313 in Long, D. and O.P. Dickason (Eds.) *Visions of the Heart: an Introduction to Canadian Aboriginal Issues*, Third ed. Toronto: Nelson. [contribution Cooke: 65%]
6. Cooke, M. and K. Platman. 2010. Career Trajectories of older IT workers in Canada and the United Kingdom. In McMullin J. and V. Marshall (eds.) *Ageing and Working in the New Economy: Careers and Changing Structures in Small and Medium Size Information Technology Firms*. London: Edward Elgar. [contribution Cooke: 50%]
7. Cooke, M. and D. Bélanger. 2010. First Nations Migration: The Case of Western Canada. Gmelch, G., Kemper, R.V., and Zenner, W.R (eds.) *Urban Life: Readings in the Anthropology of the City*. Long Grove, Ill. Waveland Press. [contribution Cooke: 65%]
8. McMullin, J., M. Cooke, and T. Tomchick. 2007. Chapter 3: Work and retirement in Canada: policies and prospects. Pp. 62-83 in Taylor, P. (Ed.) *Ageing Labour forces: promises and prospects*. London: Edward Elgar [contribution Cooke: 30%].
9. Cooke, M. 2007. Chapter 2: The Registered Indian Human Development Indices: Methodological and Conceptual Issues. Pp. 25-50 in White, J.P., Spence, N., and Beavon, D. (Eds) *Aboriginal Well-Being: Canada's Continuing Challenge*. Toronto: Thompson Educational Publishers. [contribution Cooke: 100%]
10. Cooke, M. and D. Beavon. 2007. Chapter 3: The Registered Indian Human Development Index, 1981-2001. Pp. 51-68 in White, J.P., Spence, N., and Beavon, D. (Eds) *Aboriginal Well-Being: Canada's Continuing Challenge*. Toronto: Thompson Educational Publishers. [contribution Cooke: 75%]

11. Cooke, M., with K. Hano. 2007. Chapter 4: Using the UNDP Indices to Examine Gender Equality and Well-Being. Pp. 69-86 in White, J.P., Spence, N., and Beavon, D. (Eds) *Aboriginal Well-Being: Canada's Continuing Challenge*. Toronto: Thompson Educational Publishers. [contribution Cooke: 80%]
12. Cooke, M., F. Mitrou, D. Lawrence, E. Guimond, and D. Beavon. 2007. Chapter 5: Aboriginal Well-Being in Four Countries: An Application of the UNDP's Human Development Index to Aboriginal People in Australia, Canada, New Zealand, and the United States. Pp. 87-108 in White, J.P., Spence, N., and Beavon, D. (Eds) *Aboriginal Well-Being: Canada's Continuing Challenge*. Toronto: Thompson Educational Publishers. [contribution Cooke: 30%]
13. Agocs, C. R. Attieh, and M. Cooke. 2004. Agents of Change? A Study of Equity Practitioners in Canadian Universities in Reimer, M., ed. *Inside Corporate U: Women in the Academy Speak Out*, (pp. 198-225). Toronto: Sumach Press [contribution Cooke: 30%].
14. Norris, M.J., M. Cooke, D. Beavon, E. Guimond, and S. J. Clatworthy. 2004. Registered Indian Mobility and Migration: Patterns and Implications. pp. 136-160 in Taylor, J. and M. Bell, eds. *Population Mobility and Indigenous Peoples in Australasia and North America*. London: Routledge [contribution Cooke: 20%].
15. Cooke, M, Beavon, D. and McHardy, M. 2004. "Measuring the well-being of Aboriginal People: an application of the United Nations Human Development Index to Registered Indians in Canada, 1981-2001." Pp. 47-70 in *Aboriginal policy research: setting the agenda for change, vol. 1*, edited by Jerry P. White, Paul Maxim, and Dan. Beavon. Toronto: University of Toronto Press. [contribution Cooke: 60%]
16. Beavon, D. and M. Cooke. 2003. "An Application of the United Nations Human Development Index to Registered Indians in Canada". in White, J. P., D. Beavon, and P. Maxim, eds. *Aboriginal Conditions*, (pp. 201-221). Vancouver: UBC Press [refereed]. [Reprinted in Carroll, M. P. and J. White, eds. *Images of Society*. Toronto: Nelson.] [contribution Cooke: 75%]
17. Norris, M.J., M. Cooke, and S. J. Clatworthy. 2003. "The Mobility and Migration Patterns of Registered and Non-status Indians, Métis and Inuit in Canada: Similarities and Contrasts". in White, J. D. Beavon, and P. Maxim, eds. *Aboriginal Conditions*, (pp. 108-135). Vancouver: UBC Press. [contribution Cooke: 25%]

III. **Articles in Refereed Journals**

1. Cooke, M., & Shields, T. (2024). Anti-Indigenous racism in Canadian healthcare: a scoping review of the literature. *International Journal for Quality in Health Care*, 36(3), mzae089.
2. Alzahrani, F., Waite, N., Beazely, M., & Cooke, M. (2024). Estimating implicit and explicit racial and ethnic bias among community pharmacists in Canada. *Saudi Pharmaceutical Journal*, 32(5), 102024.
3. John, P., Varga, C., Cooke, M., & Majowicz, S. E. (2024). Temporal, spatial and space-time distribution of infections caused by five major enteric pathogens, Ontario, Canada, 2010–2017. *Zoonoses and Public Health*, 71(2), 178-190.
4. Benjamin, K. A., Lamberti, N., & Cooke, M. (2023). Predictors of non-adherence to cervical cancer screening among immigrant women in Ontario, Canada. *Preventive Medicine Reports*, 36, 102524.
5. Alsabbagh, M., Cooke, M., Elliott, S. J., Chang, F., Shah, N. U. H., & Ghobrial, M. (2022). Stepping up to the Canadian opioid crisis: a longitudinal analysis of the correlation between socioeconomic

- status and population rates of opioid-related mortality, hospitalization and emergency department visits (2000-2017). *Health Promotion & Chronic Disease Prevention in Canada: Research, Policy & Practice*, 42(6). [contribution Cooke: 15%]
6. John P, Varga C, Cooke M, Majowicz SE. Incidence, Demographic, and Seasonal Risk Factors of Infections Caused by Five Major Enteric Pathogens, Ontario, Canada, 2010–2017. *Foodborne pathogens and disease*. 2022 Apr 1;19(4):248-58. [contribution Cooke: 10%]
 7. Alsabbagh MW, Chang F, Cooke M, Elliott SJ, Chen M. National trends in population rates of opioid-related mortality, hospitalization and emergency department visits in Canada between 2000 and 2017. A population-based study. *Addiction*. 2021 Dec 1;116(12):3482-93. [contribution Cooke: 15%]
 8. Nejatinamini S, Godley J, Minaker LM, Sajobi TT, McCormack GR, Cooke MJ, Nykiforuk CI, Koning LD, Olstad DL. Quantifying the contribution of modifiable risk factors to socio-economic inequities in cancer morbidity and mortality: a nationally representative population-based cohort study. *International journal of epidemiology*. 2021 Oct;50(5):1498-511. [contribution Cooke: 10%]
 9. Varga C, John P, Cooke M, Majowicz SE. Area-level clustering of Shiga toxin–producing *Escherichia coli* infections and their socioeconomic and demographic factors in Ontario, Canada: An ecological study. *Foodborne pathogens and disease*. 2021 Jul 1;18(7):438-47. [contribution Cooke: 10%]
 10. Nejatinamini S, Campbell D, Godley J, Minaker L, Sajobi T, McCormack G, Cooke M, Nykiforuk C, de Koning L, Olstad D. Sex Differences in the Mediating Effects of Modifiable Risk Factors in Associations Between Socioeconomic Position and Cardiovascular Disease Morbidity and Mortality. *Current Developments in Nutrition*. 2021 Jun;5(Supplement_2):168. [contribution Cooke: 10%].
 11. Nejatinamini S, Campbell D, Godley J, Minaker L, Sajobi T, McCormack G, Cooke M, Nykiforuk C, de Koning L, Olstad D. Modifiable Risk Factors Mediate Associations Between Socioeconomic Position and Cardiovascular Disease Morbidity and Mortality. *Current Developments in Nutrition*. 2021 Jun;5(Supplement 2):167-. [contribution Cooke: 10%]
 12. Buttazzoni, A., Tariq, U., Thompson-Haile, A., Burkhalter, R., Cooke, M., & Minaker, L. (2021). Adolescent gender identity, sexual orientation, and cannabis use: potential mediations by internalizing disorder risk. *Health Education & Behavior* 48 (1): 82-92, 1090198120965509. [contribution Cooke: 15%]
 13. Amoud, R., Grindrod, K., Cooke, M., & Alsabbagh, M. W. The Impact of Prescription Medication Cost Coverage on Oral Medication Use for Hypertension and Type 2 Diabetes Mellitus. *Healthcare Policy* 16(2) November 2020 : 82-100.doi:10.12927/hcpol.2020.26351. [contribution Cooke: 15%]
 14. Buttazzoni, A., Tariq, U., Thompson-Haile, A., Burkhalter, R., Cooke, M., & Minaker, L. (2020). Cannabis use and stigma among Canadian high school students: Results from the 2015 and 2017 Cancer Risk Assessment in Youth Survey. *Addictive Behaviors*, 111, 106547. [contribution Cooke: 15%]
 15. Varga, C., John, P., Cooke, M., & Majowicz, S. E. (2020). Spatial and space-time clustering and demographic characteristics of human nontyphoidal *Salmonella* infections with major serotypes in Toronto, Canada. *PloS one*, 15(7), e0235291. [contribution Cooke: 15%]
 16. Wilk P, Ali S, Anderson K, Clark A, Cooke M, Frisbee S, Gilliland J, Haan M, Harris S, Kiarasi S, Maltby A, Norozi K, Petrella R, Sarma S, Singh S, Stranges S, Thind A. (2020). Geographic variation in preventable hospitalizations in Canada: a cross-sectional study. *BMJ Open*, 10:e037195. doi:10.1136/bmjopen-2020-037195. [contribution Cooke: 15%]

17. Tabeeifar, H., Chang, F., Cooke, M., & Patel, T. (2020). Community Pharmacists and Chronic Pain: A Qualitative Study of Experience, Perception, and Challenges. *Canadian Journal of Pain*, 4(3), 29-39. [contribution Cooke: 40%]
18. Fernandez, H., Cooke, M., & Patel, T. (2019). Epilepsy and lifestyle behaviors related to bone health. *Epilepsia*, 60(11), 2306-2313. [contribution Cooke: 15%]
19. Cooke, M., & Penney, C. (2019). Indigenous Migration in Canada, 2006–2011. *Canadian Studies in Population*, 46(2), 121-143. [contribution Cooke: 90%]
20. Sikorski, C., Leatherdale, S., & Cooke, M. (2019). Tobacco, alcohol and marijuana use among Indigenous youth attending off-reserve schools in Canada: cross-sectional results from the Canadian Student Tobacco, Alcohol and Drugs Survey. *Health promotion and chronic disease prevention in Canada: research, policy and practice*, 39(6-7), 207-215. [contribution Cooke: 30%]
21. Romano, I., Cooke, M. and Wilk, P. (2019). Factors affecting initiation and duration of breastfeeding among off-reserve Indigenous children in Canada: Findings from the Aboriginal Peoples Survey. *International Indigenous Policy Journal*. 10(1). <https://ir.lib.uwo.ca/iipj/vol10/iss1/5>. DOI: 10.18584/iipj.2019.10.1.5. [contribution Cooke: 35%]
22. Leung, A., Law, J., Cooke, M., and Leatherdale, S. (2019). Exploring and visualizing the small-area level socio-economic factors, alcohol availability and built environment influences of alcohol expenditure for the City of Toronto: A Spatial Analysis Approach. *Health Promotion and Chronic Disease Prevention in Canada*. 39 (1): 15-24. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC6350844/> [contribution Cooke: 30%]
23. Laxer, R. E., Dubin, J. A., Brownson, R. C., Cooke, M., Chaurasia, A., & Leatherdale, S. T. (2019). Noncomprehensive and Intermittent Obesity-Related School Programs and Policies May Not Work: Evidence from the COMPASS Study. *Journal of School Health*, 89(10), 818-828. [contribution Cooke: 15%]
24. Wilk, P., Maltby, A., Cooke, M., & Forsyth, J. (2019). The effect of parental residential school attendance and parental involvement on Indigenous youth's participation in sport and physical activity during school. *International Journal of Indigenous Health*, 14(2), 133-149. [contribution Cooke: 30%]
25. Cooke, M. (2018). Implications of Global Peak Population for Canada's future: Northern, rural and remote communities. *Canadian Studies in Population* 45:1–2: 55–61. <https://journals.library.ualberta.ca/csp/index.php/csp/article/view/29375/21406>. [contribution Cooke: 100%]
26. Wilk, P., Maltby, A., Cooke, M. and Forsyth, J. (2018). Correlates of Participation in Sports and Physical Activities among Indigenous Youth. *Aboriginal Policy Studies*. 7(1). <https://journals.library.ualberta.ca/aps/index.php/aps/issue/view/1941>. [contribution Cooke: 30%]
27. Laxer, R.E., Cooke, M., Dubin, J.A., Brownson, R.C., Chaurasia, A. and Leatherdale, S.T., (2018). Behavioural patterns only predict concurrent BMI status and not BMI trajectories in a sample of youth in Ontario, Canada. *PLOS One*, <https://doi.org/10.1371/journal.pone.0190405>. [contribution Cooke: 15%]
28. Laxer, R.E., Brownson, R.C., Dubin, J.A., Cooke, M., Chaurasia, A. and Leatherdale, S.T., (2017). Clustering of risk-related modifiable behaviours and their association with overweight and obesity among a large sample of youth in the COMPASS study. *BMC Public Health*, 17(1), p.102.

- <https://bmcpublichealth.biomedcentral.com/articles/10.1186/s12889-017-4034-0> [contribution Cooke: 15%]
29. Ryan, C., Cooke, M. Leatherdale, S., Kirkpatrick, S. and Wilk, P (2017) The Correlates of Physical Activity among Adult Métis. *Ethnicity and Health*.
<http://www.tandfonline.com/doi/abs/10.1080/13557858.2017.1294655>. [contribution Cooke: 30%]
 30. Wilk, P., Maltby, A and Cooke, M. (2017). Residential Schools and the Effects on Indigenous Health and Well-Being in Canada - A Scoping Review. *Public Health Reviews* 38 (8). DOI: 10.1186/s40985-017-0055-6. [contribution Cooke: 33%]
 31. Wilk, P. A Maltby and Cooke, M. (2017) Changing BMI Scores among Indigenous and Non-Indigenous Children, Youth and Young Adults: Untangling Age, Period and Cohort Effects. *Canadian Studies in Population*. 44 (1-2): 28-41.i [contribution Cooke: 30%]
 32. Cooke, M., Waite, N., Cook, K., Milne, E., Chang, F., McCarthy, L., Sproule, B. (2017) Incorporating sex, gender and vulnerable populations in a large multisite health research program: The Ontario Pharmacy Research Collaboration as a Case Study. *Health Research Policy and Systems* 1 (20). DOI: 10.1186/s12961-017-0182-z. [contribution Cooke: 33%]
 33. Bhawra, J., Cooke, M., Guo, Y. and Wilk, P. (2017). The effects of household food security, household characteristics and school environment on obesity status among off-reserve First Nations and Métis children in Canada: results from the 2012 Aboriginal Peoples Survey. *Health Promotion and Chronic Disease prevention in Canada*. 37 (3). 77-86. [contribution Cooke: 30%]
 34. McCarthy, L., Milne, E., Waite, N., Cooke, M., Cook, K., Chang, F., Sproule, B. (2017). Sex and Gender-Based Analysis in Pharmacy Practice Research: A Scoping Review. *Research in Social and Administrative Pharmacy*. DOI: <http://dx.doi.org/10.1016/j.sapharm.2016.11.007>. [contribution Cooke: 25%]
 35. Ryan, C. J., Leatherdale, S. T., Cooke, M. (2017) A cross-sectional examination of the correlates of current smoking among off-reserve First Nations and Métis adults: evidence from the 2012 Aboriginal Peoples Survey. *Addictive Behaviours* 54 74-81. <https://doi.org/10.1007/s10935-016-0456-1> (First online 22 November 2016). [contribution Cooke: 30%]
 36. Ryan, C., Leatherdale, S., Cooke, M. (2016). Factors Associated with Current Smoking Among Off-Reserve First Nations and Métis Youth Results from the 2012 Aboriginal Peoples Survey. *Journal of Primary Prevention*. 1-15. DOI: 10.1007/s10935-016-0456-1. [contribution Cooke: 40%]
 37. Ryan, C.J., Cooke, M. and Leatherdale, S. T. (2016). Factors associated with heavy drinking among First Nations and Métis youth and adults: evidence from the 2012 Aboriginal Peoples Survey. *Preventive Medicine* 87: 95-102. [contribution Cooke: 40%]
 38. Bhawra, J., Cooke, M.J., Hanning, R., Wilk, P. & Gonneville, S.L.H. (2015). Community perspectives on food insecurity and obesity: Focus groups with caregivers of Métis and Off-reserve First Nations children. *International Journal for Equity in Health* 14:96 DOI 10.1186/s12939-015-0232-5. [contribution Cooke: 40%]
 39. Ryan, C. J. Cooke, M. J., Leatherdale, S., T. Kirkpatrick, S. I. and Wilk, P. (2015). The correlates of current smoking among adult Métis: Evidence from the Aboriginal Peoples Survey and Métis Supplement. *Canadian Journal of Public Health*. 106(5) 271-276. [contribution Cooke: 40%]

40. Wilk, P. and Cooke, M. (2015). Collaborative Public Health System Interventions for Chronic Disease Prevention Among Urban Aboriginal Peoples. *International Indigenous Policy Journal* (6) 4. Retrieved from: <http://ir.lib.uwo.ca/iipj/vol6/iss4/3> DOI: 10.18584/iipj.2015.6.4.3. [contribution Cooke: 60%]
41. Prorok, J., Stolee, P., Lee, L., McAiney, C., & Cooke, M. (2015). Evaluation of a dementia education program for family medicine residents. *Canadian Geriatrics Journal*. 18 (3) 57-64 DOI:<http://dx.doi.org/10.5770/cgj.18.148>. [contribution Cooke: 10%]
42. Woodhall-Melnik, J., Cooke, M. and Bigelow, P. (2015). Serving the Fast Food Nation: Exploring Body Mass Index in Food Service Workers. *Work: A Journal of Prevention, Assessment and Rehabilitation*. 52 (4): 901-909. [contribution Cooke: 33%]
43. Cooke, M. and O'Sullivan, E. (2014). The Effect of Migration on the First Nations Community Well-Being Index. *Social Indicators Research* 122: 371-389. DOI 10.1007/s11205-014-0697-4. [contribution Cooke: 50%]
44. Towns, C., Cooke M, Rysdale, L. and Wilk, P. (2014) Effective healthy weights interventions in Aboriginal children and youth: A systematic review of the literature. *Canadian Journal of Dietetic Research and Practice*. 2014, Vol. 75, No. 03 : pp. 125-131. [contribution Cooke: 60%]
45. Mitrou, F. Cooke, M, Povah, D., Mobila, E., Guimond, E and Zubrick, S. (2014). Indigenous gaps not closing: Social determinants of health in Australia, Canada, and New Zealand from 1981–2006. *BMC Public Health*. 14 (201). <http://www.biomedcentral.com/1471-2458/14/201>. [contribution Cooke: 33%]
46. Hill, G. and Cooke, M. 2013. How do you Build a Community? Developing community capacity and social capital in an Urban Aboriginal setting. *Pimatisiwin: A Journal of Aboriginal and Indigenous Community Health* 11 (3). <http://www.pimatisiwin.com/online/wp-content/uploads/2014/02/07Hill.pdf>. [contribution Cooke: 50%]
47. Cooke, M. Wilk, P., Paul, K. and Gonneville, S. 2013. "Predictors of Obesity among Métis Children: Socio-economic, Behavioural and Cultural Factors". *Canadian Journal of Public Health*, 104 (4): 298-303. [contribution Cooke: 30%]
48. Cooke, M. 2013. "And then I got pregnant": Early Childbearing and the First Nations Life Course" *International Indigenous Policy Journal* 4 (1). <http://ir.lib.uwo.ca/iipj/vol4/iss1/6/>. [contribution Cooke: 100%]
49. Gaudet, S., Cooke, M. and *Jacob, J. 2011. "Returning to work after childbirth: widening inequalities in women's life courses" *Canadian Review of Sociology* 48(2): 153-180. [contribution Cooke: 40%]
50. Cooke, M. and *McWhirter, J. 2011. "Public Policy and Aboriginal peoples in Canada: Taking a Lifecourse Perspective". *Canadian Public Policy* April: S15-S31. [contribution Cooke: 75%]
51. Cooke, M. and Guimond, E. 2010. "Measuring Changing Human Development in First Nations Populations: Preliminary results of the 1981-2006 Registered Indian Human Development Index" *Canadian Diversity*, Winter: 53-62. [contribution Cooke: 60%]
52. Cooke, M. 2009. "A Welfare Trap? The duration and dynamics of social assistance use among lone mothers in Canada" *Canadian Review of Sociology* 46 (3): 179-206. [contribution Cooke: 100%]
53. Cooke, M. and Gazso, A. 2009. "Taking a life Course Perspective on Social Assistance use in Canada: A different approach" *Canadian Journal of Sociology*. 34 (2): 347-370. [contribution Cooke: 50%]

54. Cumming, S. and Cooke, M. 2009. "I Work Hard for No Money": The Work Demands of Single Mothers Managing Multiple State Provided Benefits. *Canadian Review of Social Policy*, 60/61: 75-90. [contribution Cooke: 50%]
55. Cooke, M. 2009. "Taking a Lifecourse Perspective in Aboriginal Policy Research". *Canadian Issues* (Winter 2009): 5-10. [contribution Cooke: 100%]
56. Cooke, M., Guimond, E., and McWhirter, J. 2008. "The Changing Well-Being of Older Registered Indians: An Application of the Registered Indian Human Development Index". *Canadian Journal on Aging* 27 (4): 385-398. [contribution Cooke: 60%]
57. Guimond, E. and Cooke, M. 2008. "The Current Well-Being of Registered Indian Youth: Concern for the Future?" *Horizons* 10 (1): 26-30. [contribution Cooke: 60%]
58. Cooke, M., F. Mitrou, D. Lawrence, E. Guimond, and D. Beavon. 2007. "Indigenous well-being in four countries: An application of the UNDP's Human Development Index to Indigenous Peoples in Australia, Canada, New Zealand, and the United States". *BMC International Health and Human Rights* 7(9). <http://www.biomedcentral.com/1472-698X/7/9> [Reprinted in D. Raphael (ed.), *Health Promotion and Quality of Life in Canada: Essential Readings*. Toronto: Canadian Scholar's Press.] [contribution Cooke: 30%]
59. Cooke, M. 2006. "Policy Changes and the Labour Force Participation of Older Workers: Evidence from Six Countries" *Canadian Journal on Aging* 25 (4):387-400. [contribution Cooke: 100%]
60. Cooke, M. and D. Bélanger. 2006. "Migration Theories and First Nations Mobility: Towards A Systems Perspective" *Canadian Review of Sociology and Anthropology*, 43(2): 141-164. [contribution Cooke: 65%]
61. Cooke, M., 2002. "The Effects of Personal Characteristics on Migration from Prairie Cities to First Nations. *Canadian Ethnic Studies* 34(2):40-62. [contribution Cooke: 100%]

IV. Other Publications (e.g., Articles in Professional Journals)

Published Abstracts and Protocols

1. Hosseini, S., Chaurasia, A., Cooke, M., & Oremus, M. (2016). Effect of religious involvement on cognition from a life-course perspective: protocol for a systematic review and meta-analysis. *BMJ Open*, 6(9), e011301.
2. Chang, F., Cook, K., Cooke, M., McCarthy, L., Sproule, B., Waite, N. (2014). Developing and implementing more inclusive demographic survey questions. *Canadian Pharmacists Journal*, 147(4):S1-S60.
3. Bhawra, J. & Cooke, M. (2013). The impact of food security on Diet Quality and Obesity Status among Off-Reserve First Nations and Métis Children. *Canadian Journal of Diabetes* 37(Supp:2): S233.
4. Prorok, J., Stolee, P., Lee, L., McAiney, C., & Cooke, M. (2010). Evaluation of a dementia education program. *Canadian Geriatric Journal*, 13(1), 40-41.
5. Cooke, M. & Wilk, P. (2010). Risk Factors for Obesity among Off-Reserve Aboriginal children in Canada. *Paediatric Child Health* 15 (Suppl A): 55A.

6. Wilk, O., Sangster Bouk, M. & Cooke, M (2010). Effects of Breastfeeding and Maternal Smoking during Pregnancy on Body Mass Index (BMI) trajectories among Children in Canada. *Paediatric Child Health* 15 (Supl A): 55A.

Submitted Books or Papers

1. Benjamin, K.A., Lamberti, N., and Cooke, M. (under review). Predictors of Non-Adherence to Cervical Cancer Screening Among Immigrant Women in Ontario. *Preventive Medicine*. [Contributions: Benjamin: 33%, Lamberti: 33%, Cooke, 33%].

Other Scholarly work

Technical Reports and Working Papers

1. Guo, Y., Khan, T., Douglas, O. and Cooke, M. (2022) *Housing Conditions and Physical and Mental Health Outcomes among the Métis population in Ontario*. Report Prepared for the Métis Nation of Ontario and Canadian Research Data Centres Network.
2. Cooke, M., Mascella, A., Rybczynski, K., and Yu, A. (2021). *Caregiving, Work, and Income Trajectories of Women Immigrants in Canada*. Report prepared for Women and Gender Equality Canada.
3. Cooke, M. (2021). *Application of the Human Development Index to the Inuit in Canada, 2006–2016*. Ottawa: Indigenous Services Canada. <https://www.sac-isc.gc.ca/eng/1645218574884/1645218656320>
4. Cooke, M. (2021). *Measuring the Well-Being of Non-Status First Nations: An application of the Human Development Index to Non-Status First Nations peoples in Canada, 2006–2016*. Ottawa: Indigenous Services Canada, <https://www.sac-isc.gc.ca/eng/1645212819382/1645212852797>.
5. Cooke, M. (2021). *Application of the Human Development Index to Self-Identified Métis in Canada, 2006–2016*. Ottawa: Indigenous Services Canada. <https://www.sac-isc.gc.ca/eng/1645217355945/1645217399007>
6. Cooke, M., Rybczynski, K., Pan, A., & Fontaine M.M. (2020). *Childbearing and income trajectories of women immigrants in Canada*. Report prepared for Women and Gender Equality Canada.
7. Douglas, O., Burkhalter, R., and Cooke, M. (2019) *Final Progress Report: Gender and Orientation Variables, 2018/2019 Canadian Student Tobacco Alcohol and Drugs Survey (CSTADS)*. Submitted to Health Canada.
8. Thompson-Haile, A., Cressman Zehr, W. & Cooke, M. (2019). *Final survey administration progress and quarterly report for the 2018/2019 Canadian Student Tobacco, Alcohol and Drugs Survey*. Waterloo, Ontario: Propel Centre for Population Health Impact, University of Waterloo. Submitted to Health Canada.
9. Burkhalter, R., Thompson-Haile, A., Cooke, M. (2019). *2018/2019 Canadian Student, Tobacco, Alcohol and Drugs Survey Microdata User Guide*. Waterloo, Ontario: Propel Centre for Population Health Impact, University of Waterloo, 1-39.
10. Cooke, M. 2019. *Application of the United Nations Human Development Index to Registered Indians in Canada, 2006–2016*. Crown-Indigenous Relations Canada and Indigenous Services

Canada. <https://www.sac-isc.gc.ca/eng/1579883155069/1607442298277>

11. Cooke M. 2016. Aboriginal Migration and Mobility in Canada, 2006–2011. Report prepared for the Strategic Research Directorate, Aboriginal Affairs and Northern Development Canada.
12. Cooke, M. and Guo, Y. 2014. Changes in Income, Education and Labour Force Outcomes among Aboriginal Peoples in Canada and the US, 1980-2010. Report prepared for the Strategic Research Directorate, Aboriginal Affairs and Northern Development Canada.
13. Cooke, M. 2013. Arctic, Rural and Remote Communities, in Bélanger, A. and Edmonston, B. (Eds) *Implications of Global Peak Population for Canada's Future*. Report prepared for the Social Sciences and Humanities Research Council of Canada. <https://ir.lib.uwo.ca/pclc/vol2/iss1/1/>
14. Cooke, M., O'Sullivan, E. and Van Wyck, L. 2012. *The Effects of Migration on First Nations and Inuit Community Well-Being Index*. Report prepared for Strategic Analysis Directorate, Aboriginal Affairs and Northern Development Canada.
15. Cooke, M., Woodhall, J. and McWhirter, J. 2011. *The Social and Health Service Needs of Aboriginal Peoples in Smaller Urban Centres in Southern Ontario: A Synthesis Paper for Service Agencies*. Report Prepared for the SSHRC Population Change and Strategic Knowledge Cluster (PCLC). <https://crdcn.ca/publication/the-social-and-health-service-needs-of-aboriginal-peoples-in-smaller-urban-centers-in-southern-ontario-a-synthesis-paper-for-service-agencies/>
16. Paul, K., Cooke, M. and Wilk, P. 2011. *Determinants of Obesity among Métis Children*. Report prepared for the Métis Nation of Ontario. Ottawa, ON.
17. Cooke, M. 2011. *Creating a Registered Indian and Inuit Human Development Index V2.0*. Report for Strategic Research and Analysis Directorate, Indian and Northern Affairs Canada. Ottawa, ON.
18. Cooke, M. 2011. *Integrating the Life Course in the Canadian Social Statistics System*. Report for Income Statistics Division, Statistics Canada. Ottawa, ON.
19. Cooke, M. and B. Baumann. 2010. *Measuring Military Community Well-Being: Methodological issues in the measurement of the well-being of Canadian Forces communities*. Report prepared for the Director General Military Personnel Research & Analysis. Department of National Defence. Ottawa. ON.
12. Cooke, M. and N. Chanda. 2009. *Labour Force, Education and Income Dynamics of Registered Indians: A Cohort Approach*. Prepared for Strategic Research and Analysis Directorate, Indian and Northern Affairs Canada. Ottawa, ON.
13. Cooke, M, K. Anthony, J, McWhirter, and D. Lesar. 2009. *Assessing the Needs of Aboriginal People in the Kitchener, Waterloo, and Cambridge Areas*. Report prepared for Anishnabeg Outreach, Kitchener, ON.
14. Cooke, M. and K. Platman. 2009. *Flexibility/Security Policies and the Labour Market Trajectories of IT Workers*. Canadian Policy Research Networks Research Report. Ottawa: CPRN. <http://www.cprn.org/doc.cfm?doc=1984&l=en>
15. Cooke, M. and D. Lesar. 2008. *The Effects of Bill C-31 Registrations on the Registered Indian Human Development Index (HDI) and Gender-Related Development Index (GDI)*. Report Prepared for Strategic Research and Analysis Directorate, Indian and Northern Affairs Canada.

16. Cooke, M., and J. McWhirter, with D. Lesar. 2008. *Aboriginal Inequality and the Life Course*. Paper Prepared for Strategic Research Directorate, Human Resources and Social Development Canada.
17. Cooke, M. and E. Guimond. 2007. *Gender Equality and Well-Being in the Registered Indian Population: An Application of the UNDP's Gender-Related Development Index (GDI) to Registered Indians in Canada, 1981-2001*. Report for Indian and Northern Affairs Canada. Ottawa: INAC.
18. Cooke, M. 2005. *A Study of the Feasibility of the use of United Nations Development Programme Indices to Measure the Well-Being of Aboriginal Peoples in Canada*. Paper prepared for the Strategic Analysis Directorate, Policy and Strategic Direction Branch of The Department of Indian Affairs and Northern Development. Ottawa: INAC.
19. Cooke, M. 2005. *The First Nations Community Well-Being Index (CWB): A Conceptual Review*. Paper prepared for the Strategic Analysis Directorate, Policy and Strategic Direction Branch of The Department of Indian Affairs and Northern Development. Ottawa: INAC.
20. McMullin, J.A., M. Cooke, with R. Downie. 2004. *Labour Force Ageing and Skills Shortages in Canada and Ontario*, (CPRN Research Report W|24). Ottawa: Canadian Policy Research Networks [refereed].
21. Cooke, M., D. Beavon, and M. McHardy. 2004. *Measuring the Well-Being of Aboriginal People: An Application of the United Nations Human Development Index to Registered Indians in Canada, 1981– 2001*. Report for the Strategic Analysis Directorate, Policy and Strategic Direction Branch, Department of Indian Affairs and Northern Development. Ottawa: INAC. http://www.ainc-inac.gc.ca/pr/ra/index_e.html.
22. Cooke, M., 2003. *Population and Labour Force Ageing in Six Countries*. WANE Working Paper #4. London, On: Workforce Ageing in the New Economy.
23. Norris, M.J., D. Beavon, E. Guimond, and M. Cooke, 2001. *Migration and Residential Mobility of Canada's Aboriginal Groups: An Analysis of Census Data*. Ottawa: Indian and Northern Affairs Canada.
24. Clatworthy, S. J. with M. Cooke, 1999. *Patterns of Registered Indian Migration between On- and Off- Reserve Locations: 1986-1996*. Report for the Research and Analysis Directorate of Indian and Northern Affairs Canada.

Conference papers

1. Fontaine, M., Pan, A., Rybczynski, K., Cooke M (31 May 2022). Family, Work and Income Trajectories of Women Immigrants in Canada Presentation to the *Canadian Economics Association* annual meeting, May 31, 2022 (online).
2. Alsabbagh, M.W., Alsefaou, M., Elliott, S., Cooke, M., Chang, F. (23 November 2022) Correlating income with opioid prescription dispensing among public drug plan beneficiaries in Canada between 2010 and 2018. A population-based analysis. Poster presentation to the *Society for the Study of Addiction* Scientific Conference. Lisbon. <https://www.addiction-ssa.org/author-publications/correlating-income-with-opioid-prescription-dispensing-among-public-drug-plan-beneficiaries-in-canada-between-2010-and-2018-a-population-based-analysis/>

3. Alsabbagh, M.W., Beazely, M, Shah, NUH, Chang, Feng, Cooke M., Elliott, S. (3 Nov 2022) The Association between Socio Economic Status and Survival after Opioid-Related Hospitalization. A population-based study Poster presentation at the *Canadian Society of Addiction Medicine*, Saskatoon, SK.
4. Benjamin, K., Cooke, M., Neiterman, E. and Meyer, S. (19 October 2022). Immigrant women's perceptions of cervical cancer prevention strategies in Ontario, Canada: A framework-informed qualitative analysis. Poster Presentation at the *Metropolis Identities Summit*, Winnipeg.
5. Lamberti, N. and Cooke, M. (19 October 2022). Does the Cost Barrier to Contraception Differentially Affect Racialized and Indigenous Women? An Intersectional Quantitative Investigation. Poster Presentation at the *Metropolis Identities Summit*, Winnipeg.
6. Benjamin, K., Lamberti, N. and Cooke M. (19 October 2022) Examining Immigrant Women's Adherence to Cervical Cancer Screening Guidelines in Ontario, Canada. Poster Presentation at the *Metropolis Identities Summit*, Winnipeg.
7. Cooke, M., Fontaine, M., Pan, A., and Rybczynski, K. 2022 (May 31). Family, Work and Income Trajectories of Women Immigrants in Canada. Paper presented to Canadian Economics Association Annual meeting (online)
8. Boroto, C., Neiterman, E., MacEachen, E., Cooke, M (June 1 2022). The Gendered and Racialized Experiences of Professional Integration of Internationally Educated Health Professionals in Canada Canadian Sociological Association Conference 2021 (online).
9. Sara Nejatnamini, Jenny Godley, Leia M Minaker, Tolulope T Sajobi, Gavin R McCormack, Martin J Cooke, Candace IJ Nykiforuk, Lawrence de Koning, Dana Lee Olstad (June 2020). Socioeconomic inequities in cancer morbidity and mortality are partially mediated by modifiable risk factors. International Society of Behavioral Nutrition and Physical Activity Annual Meeting, New Zealand.
10. Pan, A., Fontaine, M., Rybczynski, K., and Cooke, M. 2019. (October 24). Family, work and Income Trajectories of Women Immigrants in Canada. Presentation at Canadian Research Data Centres Network annual meeting. Halifax, NS.
11. Al Sabbagh, M. W., Chang, F., Cooke, M., Elliot, S. 2019. Temporal patterns in case-fatality, mortality and readmissions of all opioid-related hospitalizations in Canada. A population longitudinal study from 2001 to 2012. Presented at the *Canadian Society of Addiction medicine annual meeting* October 24, Halifax, NS.
12. Amoud, R., Grindrod, K., Cooke, M., Alsabbagh, M. W. 2018 (October 23). The Impact of Prescription Medication Cost Coverage on Optimal Adherence to Hypertension and Diabetes Medications: A Repeated Cross-Sectional Population-Based Study. Poster presentation at the *Canadian Association for Population Therapeutics Conference*, Toronto.
13. Khan, T. and Cooke, M. 2018 (October 18). Anxiety and Mood Disorders Among Recent Canadian Immigrants: Sociodemographic, Socioeconomic, and Immigration Characteristics. Poster presentation at the *Canadian Research Data Centres Network* annual conference, Hamilton.
14. Guo, Y. Leatherdale, S., Kirkpatrick, S. and Cooke, M. (October 18) Risk factors for Type 2 diabetes among Métis and First Nations living off-reserve: evidence from the 2012 Aboriginal Peoples Survey. Poster presentation at the *Canadian Research Data Centres Network* annual conference,

Hamilton.

15. Thompson-Hailie, A., Cooke M. 2018. (May 31) "The Canadian Student Tobacco Alcohol and Drugs Survey: making use of a national data set". Oral presentation at the *2018 Tobacco Control Forum*. Montréal, QC.
16. Romano, I. Zummach, D., Douglas, O., Russell, S., Cooke, M., Wilk, P. 2018 (May 24–26). "An evaluation of the Healthy Weights Connection: A mixed-methods case study in Midland-Penetanguishene" Poster presentation at the *Toronto Indigenous Health Conference*, Toronto, ON.
17. Wilk P, Cooke M, Maltby A, Singh S. 2017 (November 14). "Spatial Variations in Hospitalization Rates for Cardiometabolic Ambulatory Care Sensitive Conditions across Canada." *Canadian Research Data Centre Network*, Montreal, QC.
18. Wilk P, Cooke M, Maltby A. 2017 (November 14). "Exploring the Relationship between Residential School Attendance and Obesity: The Potential Mediating Role of Psychological Distress." *Canadian Research Data Centre Network*, Montreal, QC
19. Cooke, M. and Penney, C. "Migration of Indigenous peoples in Canada, 2006-2011". Oral presentation at the *Canadian Population Society annual meetings*. Toronto, ON. June 1, 2017.
20. McCarthy, L., Milne, E., Waite, N., Cooke, M., Cook, K., Chang, F., & Sproule, B. "Sex and Gender Based Analysis in Pharmacy Practice Research." Poster presentation at the *Canadian Pharmacists Association Conference*. Quebec City, QC, Canada. May 26, 2017.
21. Wilk, P and Cooke, M. Correlates of participation in organized sports and physical activity among Indigenous youth. *Canadian Research Data Centre Annual Conference*. Saskatoon, Sk. Nov. 1, 2016,
22. Douglas, O., Zummach, D., Wilk, P., Cooke, M., Shields, T., Hill, J., and Russell, S. Attitudes toward collaboration among agencies serving urban First Nations and Métis Children and Families 6th *Conference on Recent Advances and in the Prevention and Treatment of Childhood and Adolescent Obesity*. Ottawa. Oct 25, 2016.
23. Wilk, P., Cooke, M., Douglas, O., Zummach, D., Shields, T., Hill, J.L. and Russell, S. Attitudes toward collaboration among agencies serving urban First Nations and Métis Children and Families. Oral presentation at the *Canadian Public Health Association Annual Meetings*. Toronto, June 15.
24. Cooke, M. and Waite, N. The consideration of sex/gender and vulnerable populations in pharmacy practice research. Oral presentation at the *Canadian Pharmacists Association annual meeting*. Calgary, June 26.
25. Romano, I., Cooke, M. and Wilk, P. Factors affecting breastfeeding of indigenous children in Canada. Poster presentation at the *2016 Indigenous Health Conference*. May 26–27, Toronto.
26. Cooke, M. The Healthy Weights Connection: A systems approach to reducing risk of obesity among urban First Nations and Métis children and youth. Oral Presentation at the *CIHR Sparking Solutions* conference. April 26. Ottawa.
27. Waite, N., M. Cooke, E. Milne, K. Cook, F. Chang, L. McCarthy, and B. Sproule. 2016. Sex/Gender

and Vulnerable Populations in OPEN Research. Presented at the *2016 OPEN Summit*, Toronto, ON, Canada.

28. Waite, N., L. Wenger, M. Cooke, K. Grindrod, B. Jennings, L. MacKeigan, S. Marshall, B. Sproule, L. Dolovich, and E. Milne. 2016. Understanding the Value of Collaborations in Health Services. Poster presented at the *2016 OPEN Summit*, Toronto, ON, Canada.
29. MacKeigan L, Waite N, Wenger L, Cooke M, Grindrod K, Jennings B, Sproule B, Marshall S, Dolovich L. 2015. Understanding the value of collaboration in health services research. Poster presented at the 75th FIP World Congress of Pharmacy and Pharmaceutical Sciences. Dusseldorf, Germany, Sep 29–Oct 3.
30. Cooke, M., Wilk, P., Shields, T., Zummach, D., & Corvalia-Douglas, O., 2015. The Healthy Weights Connection: A public health system intervention to improve Aboriginal child health. Paper presented at the 6th International Meeting on Indigenous Child Health Ottawa, March 20.
31. Bigelow, P, Crizzle, AM, Myers, A, McCrory, C, Gooderham, S, Cooke, M Ritchie, J , Thiffault, P. 2015. Health and Wellness of Commercial Motor Vehicle Drivers in Canada. Paper presented at the Canadian Society of Epidemiology and Biostatistics Annual Meeting. June 1.
32. Wilk, P. and M. Cooke. 2015. Age-Period-Cohort Analysis on Obesity Rates Among Off-Reserve Aboriginal Children and Youth. Paper presented at the Federation of Canadian Demographers Biennial conference, Ottawa June 4.
33. C. Towns, M. Cooke, L. Rysdale, P. Wilk. 2015. Healthy Weights Interventions in Aboriginal Children and Youth. Paper presented at the Canadian Public Health Association Annual Meetings, Vancouver, May 26.
34. Wilk, P. and Cooke, M. 2015. Intergenerational Effects of Residential Schooling on Health: Evidence from the Aboriginal Peoples Survey. Paper presented at the Canadian Research Data Centres Network annual meeting, Toronto, November. 6.
35. Wilk, P. Cooke, M., Shields, T. and Zummach, D. 2014. "Healthy Weights Connection (HWC): A Public Health Systems Intervention to Improve Aboriginal Child Health." Poster presented at 5th Conference on Recent Advances in the prevention and maintenance of Childhood and Adolescent Obesity. Winnipeg. Sept 23-26.
36. Wilk, P. and Cooke, M. 2014. "Changing Obesity Rates Among Off-Reserve Aboriginal Children and Youth: Untangling Age, Period and Cohort Effects". Poster presented at 5th Conference on Recent Advances in the prevention and maintenance of Childhood and Adolescent Obesity. Winnipeg. Sept 23-26.
37. Cooke, M., Russell, S. and Wilk, P 2014. Innovative Approaches to Mapping Local Public Health Systems Serving Aboriginal Peoples. Canadian Public Health Association Annual meeting. Toronto, May 29.
38. Bhawra, J., Cooke, M. and Wilk, P. 2013. The Impact of Food Insecurity and Diet Quality on Obesity Status Among Métis and Off-Reserve First Nations and Children. Canadian Public Health Association annual meeting, Ottawa. June 12.
39. Bhawra, J., Cooke, M. 2013. "The impact of food insecurity on diet quality and obesity status

among off-reserve First Nations and Métis children." presentation at the Canadian Obesity Summit, Vancouver, May 2. Abstract published *Can J Diabetes*, 37(S2), S233.

40. Bhawra, J., Cooke, M and Wilk, P. 2012. Impacts of Food Insecurity on Fruit & Vegetable Consumption and Obesity among Métis and First Nations Children. Poster presentation to the Canadian Obesity Network Annual Student Meeting, Edmonton, June 20.
41. Towns, C., Rysdale, L., Cooke, M. and Wilk, P. 2012. Identifying Effective Healthy Weights Interventions in Aboriginal Children and Youth: A systematic literature review. Poster presented to the Northern Health Research Conference, Thunder Bay, May 10-11.
42. Cooke, M., O'Sullivan, E., Guimond, E. and Van Wyck, L. 2012. The Effects of Migration on First Nations and Inuit Community Well-Being Index. Paper presented at the Biennial conference of the International Council for Canadian Studies, Ottawa, May 23.
43. Cooke, M., Wilk, P., Morrow, T. 2011. "Healthy Weights Forum: Working together to promote the health of First Nations and Métis Children in our communities". Paper presented at the Registered Dietitians of Canada Aboriginal Nutrition Network Conference. Toronto, December 6.
44. Costello, M.J., Cooke, M. and Curtis, L. 2011. "Can Fruit and Vegetable Subsidies Help to Reduce Socioeconomic Inequalities in Diet-related Behaviours and Chronic Disease in Canada? A Systematic Review" Presentation at the Canadian Public Health Association Annual Meeting, Montreal, June 2.
45. Wilk, P. And Cooke, M. 2010. "Effects of Breastfeeding and Maternal Smoking During Pregnancy on Body Mass Index Trajectories Among Young Children in Canada." Conference on Recent Advances in the Prevention and Treatment of Childhood & Adolescent Obesity: Families in Focus, Hamilton ON, October.
46. Cooke, M. and Wilk. P. 2010. "Risk of Obesity among First Nations, Métis and Inuit Children Living Off-Reserve." Poster Presentation at the Canadian Paediatric Society annual meeting, Vancouver BC, June, 2010.
47. Mehdiphanah, R. and Cooke, M. 2010. "A Contextual Approach to Better Understanding the Health of Indigenous Populations Living in Toronto." Poster Presented at the 20th IUHPE World Conference on Health Promotion. Geneva, May 11-15, 2010.
48. Wilk, P. And Cooke, M. 2010. "Body Mass Index Trajectories among Aboriginal Children in Canada." Paper Presented at the Canadian Public Health Association meetings, Toronto ON, June 14, 2010.
49. Cooke, M. and Wilk. P. 2010. "Risk of Obesity among First Nations, Métis and Inuit Children Living Off-Reserve." Poster Presentation at the Canadian Public Health Association meetings, Toronto ON, June, 2010.
50. Prorok, J., Stolee, P., Lee, L., McAiney, C., & Cooke, M. 2010. "Evaluation of a dementia education program." Poster Presented at the Canadian Geriatrics Society annual meetings, Hamilton ON, April, 2010.
51. Cooke, M. and Newcombe-Welch, P. 2009. "Disabled Off-Reserve Aboriginal Adults: Aging and Unmet Needs for Assistive Devices." Paper presented Research Data Centre Network Conference

on Health over the Life Course, London ON, October, 2009.

52. Cooke, M. 2009. "Changing Human Development in First Nations Populations, 1981-2006: 2006 Revisions to the Registered Indian Human Development Index" paper presented at the 3rd Triennial Aboriginal Policy Research Conference, Ottawa, March, 2009.
53. Cooke, M. 2008. "Taking a Life Course Perspective on Aboriginal Policy Research" Paper presented at the annual meetings of the Population, Work and Family Consortium (PWFC), Gatineau, December, 2008. [Also presented at the 3rd Triennial Aboriginal Policy Research Conference, Ottawa, March, 2009).
54. Cumming, S., Cooke, M. and Caragata, L. 2008. "Women's Resources and Exits from Social Assistance" Paper Presented at the Annual meetings of the Population Work, and Family Consortium, Gatineau QC, December, 2008.
55. Cooke, M. and Guimond, E., 2008. "Life Course Determinants of Health and Income among Older Registered Indians" Paper presented at the Canadian Association on Gerontology annual educational and scientific meetings, Calgary AB, October, 2008.
56. Cooke, M. and Platman K. 2008. "Labour market transitions of IT workers in Canada and the UK" Presented at the annual meetings of the Society for the Advancement of Socio-Economics. San Jose, Costa Rica, July, 2008. [also presented at the 2007 annual meeting of the Population, Work and Family Collaboration (PWFC), Ottawa ON, December, 2007].
57. Cooke, M. and Guimond, E., 2007. "Changes in Registered Indian Well-Being at Older and Younger Ages, 1981-2010". Paper presented at the annual meeting of the Population, Work, and Family Collaboration (PWFC), Ottawa ON, December, 2007.
58. Cooke, M. 2007. "Older Aboriginal Peoples and the Life Course". Paper presented at the Canadian Association on Gerontology annual educational and scientific meetings, Calgary AB, November, 2007.
59. Cooke, M. 2007. "Aboriginal Inequality in Life Course Perspective". Paper presented to the Canadian Ethnic Studies Association, Winnipeg MB, September, 2007.
60. Cooke, M. and Guimond, E. 2007. "The Changing Well-being of Older Registered Indians: An Application of the Registered Indian Human Development Index". Paper presented to the annual meeting of the Canadian Population Association, Saskatoon SK, June, 2007.
61. Cooke, M. 2006. "Gender Inequality and Well-Being". Paper Presented at the Second Triennial Aboriginal Policy Research Conference, Ottawa ON, March, 2006.
62. McMullin, J., Cooke, M., and Tomchick, T. 2006. "Work and Retirement in Canada: policies and prospects". Paper Presented at the Roundtable on Aging and Public Policy at the annual meetings of the Canadian Sociology and Anthropology Association, Toronto ON, May, 2006.
63. Cooke, M. 2006 "A Welfare Trap? Social Assistance, Unobserved Heterogeneity, and the Life Course". Poster presented at the annual meeting of the Canadian Population Society, Toronto ON, June, 2006. [Also presented at the Policy Research Initiative Population, Work, and Family Consortium meetings, Gatineau QC, December]
64. Cooke, M., McMullin, J. and Lehman, W. 2006. "Job Disruptions of Older Canadian Workers in

the 1990s". Paper presented at the Canadian Association on Gerontology annual meetings, Quebec City QC, November, 2006.

65. Gaudet, S. and Cooke, M. 2006 "The Timing of Women's Transition to Work after Childbirth: Changes and implications for social participation". Paper presented at the Policy Research Initiative Population, Work, and Family Consortium meetings, Gatineau QC, December, 2006.
66. Cooke, M. 2005. "Population Ageing and Retirement Policies in Six Countries" Paper Presented at the Canadian Population Society annual meeting, London ON, June 2-4, 2005.
67. Cooke, M. 2005. "Trajectories through Lone Motherhood, Social Assistance, and Work" Paper Presented at the annual meeting of the Canadian Anthropology and Sociology Association. London ON, May 31-June 3, 2005.
68. Cooke, M. 2005. "Work, Social Assistance, and Lone Motherhood" Paper Presented at the meeting of the Statistics Canada Research Data Centre Network, Montreal QC, May 19-20, 2005.
69. Cooke, M. 2005. "Lone Mothers, Social Assistance, and the Life Course" Paper presented at the British Sociological Association annual meeting, York, United Kingdom, March 21-23.
70. Cooke, M., D. Beavon, and E. Guimond, 2004. "Measuring the Well-Being of Aboriginal People Internationally" Paper presented at the International Conference on Health Promotion and Health Education, Melbourne, Australia, April 27-30, 2004.
71. Cooke, M., 2003. "Population and Labour Force Ageing in Six Countries: Themes, Controversies, and Challenges" Paper presented at the Canadian Association on Gerontology annual meeting, Toronto ON, October 30-31.
72. McMullin, J. and M. Cooke, 2003. "Workforce Aging: An examination of the age composition of occupations and industries in Canada" Paper presented at the European Sociological Association Meetings, Murcia, Spain, September 24-27, 2003.
73. Cooke, M. and D. Bélanger, 2003. "First Nations Mobility on the Prairies: Understanding Migration Decisions" Paper presented at the Canadian Population Society annual Meeting, Halifax NS, June 1-4, 2003.
74. Cooke, M. and D. Bélanger, 2003. "First Nations Mobility on the Prairies: Understanding Migration Decisions" Poster presented at the Population Association of America annual Meeting, Minneapolis MN, May 1-4, 2003.
75. Agocs, C., R. Attieh, and M. Cooke, 2001. "Agents of Change? A Study of Equity Practitioners in Canadian Universities". Paper presented at the annual meeting of the American Sociological Association, Invitational Special Session on Hate and Hate-Bias at Colleges and Universities, Anaheim CA, August 19, 2001.
76. Beavon, D and M. Cooke, 2001. "Measuring the Well-Being of Aboriginal Peoples Internationally". Paper Presented at the annual meeting of the Canadian Population Society, Quebec City QC, May 27-29, 2001.
77. Norris, M.J., D. Beavon, E. Guimond, and M. Cooke, 2001. "Migration and Residential Mobility of Canada's Aboriginal Groups: An Analysis of Census Data" Paper Presented at the annual meeting of the Canadian Population Society, Quebec City QC, May 27-29, 2001.

78. Norris, M.J., D. Beavon, E. Guimond, and M. Cooke, 2001. "Migration and Residential Mobility of Canada's Aboriginal Groups: An Analysis of 1996 Census Data" Paper Presented at the annual meeting of the Canadian Association of Geographers, Montréal QC, May 29-June 3, 2001.
79. Beavon, D. and M. Cooke, 2001. "An Application of the United Nation's Human Development Index to Canadian Aboriginal Peoples". Paper Presented at the annual meeting of the McGill Graduate Student Association for the Study of Canada. Montreal QC, March 8-9, 2001.
80. Guimond E, D. Beavon, M. Cooke, and M.J. Norris, 2001. "Emerging Aboriginal Identities Moving into the New Millennium: The Canadian, American, Australian and New Zealand Experiences," Paper presented at the Population Association of America (PAA) meeting, Washington D.C., March 29-31, 2001.
81. Beavon, D. and M. Cooke, 2001. "Measuring the Well-Being of Aboriginal Peoples Internationally". Poster presentation at the annual meeting of the Population Association of America, Washington D.C., March 29-31, 2001.
82. Agocs, C. , R. Attieh, and M. Cooke, 2000. "Equity Practitioners in Canadian Universities: A Study of Organizational Change Agents' Roles". Paper presented at the annual meeting of the Society for the Study of Social Problems, Washington D.C., August 11-13, 2000.
83. Norris, M. J., D. J. K. Beavon, E. Guimond, and M. Cooke, 2000. "Migration and Residential Mobility of Canada's Aboriginal Groups: An Analysis of Census Data". Poster presentation at the annual meeting of the Population Association of America, Los Angeles CA, March 23-25, 2000.
84. Clatworthy, S. J. and M. Cooke, 1999. "Factors Influencing the Migration of Registered Indians between On- and Off-Reserve Locations in Canada, 1986-1991". Paper presented at the annual meeting of the Canadian Population Society, Lennoxville QC, June 9-11, 1999.

Invited presentations and colloquia

1. Cooke, M. (May 25, 2023). Anti-Indigenous Racism in Health Care. Invited Research at Lunch presentation, Indigenous Services Canada (Online).
2. Cooke, M. Fontaine, M-M., Pan, A., Rybczynski, K., (October 25, 2022). Invited presentation at the Department of Finance Seminar, School of Business and Economics, Maastricht University (K. Rybczynski presented as invited scholar).
3. Cooke, M. (April 22, 2021). Measuring the well-being of Métis and Non-Status First Nations. Invited presentation (Online) to Indigenous Services Canada.
4. Cooke, M. (September 22, 2022). Applying the United Nations Human Development Index (HDI) to Indigenous peoples in Canada 2006–2016. Research at Lunch Presentation for Indigenous Services Canada and Crown-Indigenous Relations Canada (online).
5. Cooke, M. Fontaine, M. M., Pan, A., Rybczynski, K. (2020). Family, Work and Income Trajectories of Woman Immigrants in Canada. Presentation to Women and Gender Equality Canada, Ottawa: February 19.
6. Cooke, M. (2019) Development of a Canadian Youth Cannabis Survey: understanding changing aspects of cannabis use among young Canadians. Presentation at CIHR Cannabis Knowledge Mobilization Workshop. Ottawa: June 11.
7. Cooke, M. (2018). Charting the course for the next 100 years of data collection and analysis

related to Indigenous peoples in Canada. Panel presentation at the Statistics Canada: 100 Years and Counting conference. December 6 and ..

8. Cooke, M. (2018). Indigenous Data in Canada: Perspectives of a data user. Presentation at the Statistics Canada/Data Liberation Initiative annual meetings and workshops. Montréal, May 28.
9. Cooke, M. (2017). Panel presentation on Using the Statistics Canada Research Data Centres at the Canadian Sociological Association annual meetings. Toronto, May 30.
10. Cooke, M. (2017). Collaboration on the Métis Nation of Ontario Household Survey. Presentation at the Workshop on Research Collaborations to Enhance Métis Health and Well-being at the Canadian Public Health Association annual meetings. Halifax, June 6.
11. Roscoe, A. and Cooke, M. (2017) First Nations Information Governance Centre Data and Mechanisms for Access. Canada Research Data Centres Network Indigenous Policy Research Workshop. Ottawa. May 26.
12. Cooke, M. (2015). Using Aboriginal Data in Canada. Invited colloquium at the Atlantic Research Data Centre, Dalhousie University. Halifax, January 16.
13. Cooke, M. (2015). Commentary on “Invisible” and Aboriginal populations. Panel presentation at the meeting of the SSHRC Population Change and Lifecourse Strategic Cluster. Ottawa. March 19.
14. Cooke, M. (2015). Aboriginal child obesity: Taking a Systems Approach to Reducing Risk of Obesity among First Nations and Métis Children. Webinar to the Northern Ontario School of Medicine Health Science Rounds, April 16,
15. Cooke, M. and Wilk, P. (2015). Aboriginal child obesity: Taking a systems approach to reducing risk of obesity among urban First Nations and Métis children. Invited Presentation at the Indigenous Children’s Health Symposium. Hamilton, April 25.
16. Cooke, M. (2015). The Healthy Weights Connection: a systems approach to reducing risk of obesity among urban First Nations and Métis children. Waterloo Knowledge Integration program speaker series. Waterloo, October 16.
17. Cooke, M. 2014. Education, Income and Labour Force Indicators among Aboriginal peoples in Canada, the US, Australia and New Zealand. Invited Research Colloquium at Strategic research Directorate, Aboriginal Affairs and Northern Development Canada. Gatineau, July 21.
18. Cooke, M. and O’Sullivan, E. 2012. “The Effects of Migration on the First Nations and Inuit Community Well-Being Index” Presentation to the Strategic Research Directorate, Aboriginal Affairs and Northern Development Canada. Ottawa. December 19th.
19. Cooke, M. 2012. “Healthy Weights Forum: Working Together to promote the health of Métis and First Nations Children in our communities. Presentation at the Métis Nation of Ontario Chronic Disease Surveillance Launch. Ottawa: March 20th.
20. Cooke, M. 2012. “Social Policy for 21st Century Risks” Faculty of Arts 2012 Public Lecture Series Scholarship for an Uncertain World. Waterloo. March 8th.
21. Wilk, P., Hoosmand, S. and Cooke, M. 2012. “Obesity and Mental Health in Aboriginal Populations”. Invited presentation to the Canadian Obesity Network Hot Topic Conference on Obesity and Mental Health. Toronto. June 26th.
22. Wilk, P. and Cooke, M. 2012 “Obesity among Aboriginal Children in Canada”. Submission to the House of Commons Standing Committee on Health. Ottawa. February 9th.

23. Cooke, M. 2011. "The Healthy Weights Forum: Collaborating to improve the health of children in our communities" Presentation at the 8th Annual Diabetes conference, Mississauga First Nation. Sault Ste Marie, Sept. 13.
24. Cooke, M. 2011 "Early Parenting and the lifecourse of First Nations". Presentation at the Congress of the Humanities and Social Sciences session, "Being and Becoming Aboriginal Youth in the City". Fredericton NB, June 2.
25. Cooke, M. 2011. "Measuring the Changing Conditions of Aboriginal Peoples: Concerns for the Future" Global Health Discussion Forum, Schulich School of Medicine and Dentistry, London ON, April 5
26. Cooke, M. 2010. "Measuring the changing conditions of Aboriginal Peoples" Presentation to the Ontario Ministry of Aboriginal Affairs. Toronto ON, November 4,.
27. Cooke, M. 2010. "Social Assistance and the Lifecourse." Presentation to Ontario Ministry of Community and Social Services. Toronto ON, September 27,.
28. Cooke, M. 2010. "Taking a Lifecourse Perspective in Aboriginal Policy Research" Presentation to the Strategic Research and Analysis Directorate, Indian and Northern Affairs Canada, July.
29. Cooke, M. 2010. "Demographic Change and Policy Options." Plenary session at Liberal Party of Ontario Imagining Ontario's Future Conference. Collingwood ON, May14-16.
30. Cooke, M. 2009. "Beyond the 'Social Determinants' of Health". Presentation to the Michael G. DeGroote School of Medicine Community Medicine Programme. Hamilton, October.
31. Cooke, M. 2009. "Older Workers and Policy Choices in Canada" Plenary session, symposium on Older Workers and Social Policy in the 21st Century: International, National, and Regional Perspectives. University of Massachusetts, Boston MA, April 24, 2009.
32. Cooke, M. 2009. "The Health and Well-Being of Older Aboriginal Peoples" Colloquium at the University of Calgary, Calgary AB, March 20, 2009.
33. Cooke, M. and McWhirter, J. 2009. "Aboriginal Inequality in Life Course Perspective Paper presented at the Human Resources and Skills Development Canada (HRSDC) Policy Dialogue on Lifecourse as a Policy Lens." Ottawa ON, January 30, 2009.
34. Cooke, M. 2008. "Measuring the Well-Being of Aboriginal Peoples in Canada: The Registered Indian and Inuit Human Development Index and Community-Well-Being Index. Presented at the International Technical Workshop on Indicators Relevant for Indigenous Peoples. Baguio City, Philippines, November 17-19, 2008.
35. Cooke, M. and Guimond E. 2008. "The Changing Well Being of older Status First Nations". Presented at the Aboriginal Experiences in Aging symposium, Saskatoon SK, September, 2008.
36. Cooke, M. 2007. "The Registered Indian Human Development Index" Presented at the Meeting of the Aboriginal Policy Research Consortium (International), London ON, November, 2007.
37. Cooke, M. 2006. "Gender Equality and Well-Being: Applying the UNDP'S GEM and GDI Indices to the Registered Indian Population". Presentation at Indian and Northern Affairs Canada, Ottawa ON, December, 2006. Also presented at the Workshop on Indicators of Well-Being at the Second Annual Aboriginal Policy Research Conference, Ottawa ON, March.
38. Cooke, M., Mitrou, F., Lawrence, D., Guimond, E. and Beavon, D. 2006. "Aboriginal Well-Being in Four Countries: An Application of the UNDP's HDI to Aboriginal Peoples in Australia, Canada, New

Zealand, and the United States” Presentation at Indian and Northern Affairs, Ottawa ON, November.

39. Cooke, M., 2003. “Social Assistance and Female Lone Parents: An Analysis of Durations and Transitions”. Paper presented at the Statistics Canada Southwestern Ontario Research Data Centre Workshop, University of Western Ontario, London, ON, April 25.
40. Norris, M.J., M. Cooke, and S. Clatworthy, 2002. “The Mobility and Migration Patterns of Registered and Non-status Indians, Métis and Inuit in Canada: Similarities and Contrasts.” Paper Presented at the Canadian Association of Geographers Annual Conference, Special Session on the Use of Census Data, Toronto ON, May 28.
41. Beavon, D. and M. Cooke, 1998. “Measuring the Well-Being of First Nations Peoples”. Paper presented at the Policy Research Initiative Federal Policy Research Conference, Ottawa ON, October.

TEACHING

Formal Classroom Teaching (most recent 5 years)

Course	Term	Year	Enrolment
HLTH 607 Social, Behavioural and Cultural Aspects of Public Health	F	2022	41
HLTH 607 Social, Behavioural and Cultural Aspects of Public Health	F	2021	42
HLTH 607 Social, Behavioural and Cultural Aspects of Public Health	F	2020	89
HLTH 607 Social, Behavioural and Cultural Aspects of Public Health	F	2019	50
Sabbatical	W	2019	--
HLTH 607 Social, Behavioural and Cultural Aspects of Public Health	F	2018	60
SOC 712 Elements of Social Research	W	2017	11
PHS 607 Social, Behavioural and Cultural Aspects of Public Health	F	2017	71

Graduate Supervision (2017–present)

As primary master's supervisor

1. Shibayama, Takuya (ongoing). *The Health Consequences of Persistent Overqualification Among Immigrant Populations*. (MSc Public Health Sciences University of Waterloo).
2. Lamberti, Nina (defended August 2022). *Does the Cost Barrier to Contraception Differentially Affect Racialized and Indigenous women? An Intersectional Quantitative Investigation* (MSc Public Health Sciences University of Waterloo).
3. Benjamin, Kayla (defended (August 2021). *A Qualitative Analysis of Immigrant Women's Adherence to and Perceptions of Cervical Cancer Screening and Prevention Strategies in Ontario, Canada*. (MSc Public Health Sciences University of Waterloo).
4. Bhalla, Manvi (defended August 2021). *Determining Knowledge, Understanding, Perception and Attitudes Towards Climate Change-related Health Risks by Public Health Actors in Ontario to Better Inform Climate Mitigation, Adaptation and Risk Communication Strategies* (MSc Public Health Sciences University of Waterloo).
5. D'Costa, Lauren (defended May 2021). *Sex and Gender, Socioeconomic Status, and Type 2 Diabetes Mellitus* (MSc Public Health Sciences University of Waterloo).
6. Puran, Allan (defended August 2019). *Reinvestigating Access to Healthcare Services and Unmet Healthcare Needs among Immigrants in Canada: Results from the Canadian Community Health Survey* (MSc Public Health Sciences University of Waterloo).
7. Shah, Noor Ul-Huda (defended December 2019). *The joint effects of workplace stress and socioeconomic status on chronic disease outcomes: what does Canadian population data show?* (MSc Public Health Sciences University of Waterloo).

As master's committee member/reader

1. Lundenberg, Lucie (ongoing). *Unmet Mental Health Needs and Treatment Barriers in Multiple Sclerosis*. (MSc Pharmacy University of Waterloo).
2. Borato, Christiane (defended February 2022) *"When you add Black and Female, it's almost like a double whammy": The Gendered and Racialized Experiences of Professional Integration among Internationally Educated Health Professionals in Canada* (MSc Public Health Sciences University of Waterloo)

3. Leslie, Sarah (defended January 2020). *The perceived unmet need for home care and impact on frailty related health outcomes among community-dwelling middle-aged and older adults in Canada* (MSc Public Health Sciences University of Waterloo).
4. Nur, Teeya (Defended September 2020) *Understanding the Experiences of Retirement Transitions Amongst Older Workers in Physically Demanding Occupations*. (MSc Public Health Sciences University of Waterloo).
5. Amoud, Razan (Defended February 2018). *The impact of prescription medication cost coverage on optimal adherence to Hypertension and Diabetes Mellitus oral medications* (MSc Pharmacy University of Waterloo)
6. Bartel, Emma (defended September 2018). *Exploring the Settlement Trajectories of Refugee Newcomers in Southern Ontario*. (MSc Public Health Sciences University of Waterloo).
7. Graham, Alexander (defended August 2017). *Measuring Intellectual Diversity in Groups, and Its Effects on Scientific Impact and Productivity*. MA Sociology University of Waterloo).
8. Fernandez, Haya (defended July 2017). *The prevalence of vitamin D supplementation among older adults* (MSc Pharmacy University of Waterloo)
9. MacKinley, Michael (defended January 2017). *Is the Association between Education and Cognitive Resilience modified by Brain Weight and Cortical Atrophy?* (MSc Public Health Sciences University of Waterloo).

As primary doctoral supervisor

1. Shields, Tasha (ongoing). *Title TBD*. (PhD, Public Health Sciences University of Waterloo).
2. Guo, Yanling (ongoing). *Patterns and Determinants of Health Care Utilization by Canadian Immigrants*. (PhD, Public Health Sciences, University of Waterloo).
3. Khan, Tasneem (ongoing). *Social Context and the Mental Health of Immigrant Mothers: An Ecological Systems Approach*. (PhD, Public Health Sciences, University of Waterloo).
4. Doan, Natalie. (ongoing). *Identifying social intersections associated with markers of dietary and health inequities among adults in Canada*. (PhD, Public Health Sciences, University of Waterloo).

As doctoral committee member

1. Stitchell, Tracy-Ann (defended April 2023). *The Smoking Behaviour of Canadian Youth in the Context of Changing Cannabis and E-Cigarette Legislations*. (PhD, Community Health and Epidemiology, University of Saskatchewan).
2. Igue, Patience (defended April 2022). *Incidence, Distribution, and Risk Factors of Five Major Enteric Diseases Commonly Transmitted by Food in Ontario, Canada*. (PhD, Public Health Sciences, University of Waterloo).
3. Mascella, Allison (defended August 2021). *The time-use of Canadian immigrant families: differences in time inputs on child raising*. (PhD, Economics, University of Waterloo).
4. White, Deanna (defended December 2020). *Factors that Facilitate and Impede the Implementation of Evidence-Informed Chronic Disease Prevention Programs and Policies in Rural Ontario Public Health Units*. (PhD Public Health Sciences University of Waterloo).
5. Alzahrani, Fahad (defended October 2019). *Understanding the Relationship Between Pharmacists' Implicit and Explicit Bias and Perceptions of Pharmacist Services Among Arab and Black Individuals*. (PhD Pharmacy University of Waterloo).

As PhD internal-external examiner

1. Jiang, Shu (defended 2018). *Mixture Models for Coarsened Multivariate Failure Time Data*. PhD Statistics and Actuarial Science, University of Waterloo.
2. Gao, Hang (defended 2017). *Essays in Earnings, Academic Productivity, and School Competition*. PhD Economics, University of Waterloo.

As PhD external examiner

1. Settles, Jason (defended 2019). *The Multi-Contextual Effects Through Which Environmental Economic Declines Impact Older Persons' Quality of Life*. PhD Sociology, University of Toronto.
2. Yap, Mandy (defended 2017). *In Pursuit of Culturally Relevant Indicators of Indigenous Wellbeing Operationalising the 'Recognition Space'* PhD Economics, Australian National University

As doctoral comprehensive examination committee member

1. Haghighi, Paniz (expected 2023). PhD, Public Health Sciences
2. Elgie, Melissa (2022). PhD, Public Health Sciences.
3. Basque, Dominique (2022). PhD, Public Health Sciences.
4. Amoud ,Razan (2020). PhD, Pharmacy.
5. Aderibigbe, Oluwakemi (2019). PhD, Public Health Sciences.
6. Fataar, Fathima (2019) PhD, Public Health Sciences.
7. Zakkar, Moutasem (2019), PhD, Public Health Sciences.
8. Shore, Krystle (2017) PhD, Sociology.
9. Browne, Pierson (2017) PhD, Sociology.

Other Relevant Teaching Information**Undergraduate Supervision (2017-present)**

1. Romano, Isabella (2017) HKTH 432 Honours Thesis
2. Melanson, Kendra (2019) HLTH 472 Independent Study
3. Sikorski, Claudia (2018) HLTH 432 Honours Thesis (co-supervised with S. Leatherdale).
4. Gerrits, Melissa (2023) SOC 497 Research Practicum
5. Clarkson, Amanda (2023) SOC 497 Research Practicum

2020 Nominated for the Faculty of Applied Health Sciences Graduate *AHS Graduate Mentorship Award*

SERVICE

Departmental Service

2023	Master of Public Health Admissions (SPHS)
2022	Master of Public Health Admissions (SPHS)
2022	Departmental Performance Review Committee (Sociology and Legal Studies)
2019-21	School Tenure and Promotion Committee (SPHHS)
2019	SPHHS Accreditation Working Group
2018	Departmental Tenure and Promotion Committee (Sociology and Legal Studies)
2015-18	Associate Chair for Graduate Programs (Sociology and Legal Studies)
2015-18	Departmental Advisory Committee on Appointments (Sociology and Legal Studies)
2015	Chair Nomination Committee (Sociology and Legal Studies)
2016	Departmental Tenure and Promotion Committee (Sociology and Legal Studies)
2016-17	Departmental Annual Performance Review Committee (Sociology and Legal Studies)
2015-16	School Annual Performance Review Committee (SPHHS)
2013-17	Professional Graduate Programme Committee, (SPHHS)
2011-12	Co-Op Officer (Sociology)
2011-12	Graduate Affairs Committee (Sociology and Legal Studies)
2011-12	MPH Programme Committee (SPHHS)
2011	Departmental Appointments Advisory Committee (Sociology)
2010-11	Departmental Appointments Advisory Committee (Sociology)
2010-11	Departmental Appointments Advisory Committee (Health Studies and Gerontology)
2010	Departmental Chair Search Committee (Sociology)
2009-10	Graduate Affairs Committee (Sociology)
2009	Departmental Chair Search Committee (Sociology)
2008-11	MPH Program Committee (Health Studies and Gerontology)
2008	Departmental Colloquium Co-organizer (Sociology)
2005-08	Graduate Affairs Committee (Sociology)
2007-08	Collaborative PhD in Work and Health Steering Committee (Health Studies and Gerontology)
2005-17	MPH Admissions Committee (Health Studies and Gerontology/SPHS)

Faculty Service

2022-23	Associate Dean, Undergraduate Programs, Faculty of Arts (Acting)
2019-21	Associate Dean, Undergraduate Students, Faculty of Arts
2016-17	Member, Department of Anthropology Promotion and Tenure Committee
2016	External member, Political Science Chair Nominating Committee
2015-16	Renison University College Tenure and Promotion Committee
2013-17	Co-Director, University of Waterloo Survey Research Centre
2012	Faculty Committee on Student Appeals (AHS)
2012-15	Chronic Disease Prevention University Centre of Excellence steering committee (AHS)
2011-23	Arts representative to AHS Faculty Council
2007-23	AHS representative to Arts Faculty Council
2009	Graduate Studies Admission System (GAP) Working Group

University Service

2023–present	Assistant Vice President, Leadership and Strategic initiatives
2023–present	Faculty Salary Anomaly Review Committee
2019–20	School of Pharmacy Director Nominating Committee (Provost's rep)
2015–18	Policy 33 on Ethical Conduct Drafting Committee (President's rep)
2015	Tenure and Promotions Committee, Renison University College
2014–16	Role of the Principal Investigator Working Group
2013–17	Co-Director, University of Waterloo Survey Research Centre
2012–23	Southwestern Ontario Research Data Centre Management and Coordinating Committees
2011–12	Advisory Committee, UW DIRECTIONS Aboriginal youth outreach programme
2007–10	University Advisory Committee on Distance Education
2012	Faculty of Environment Promotion and Tenure Committee (VPA and Provost's Rep)
2010–12	PhD Chair pool

Professional Service

2018, 2019	Chair, Ontario <i>Early Researcher Awards</i> Health Systems Research review panel
2016, 2017	Member, Ontario <i>Early Researcher Awards</i> Health Systems Research review panel
2015, 2016,	Scientist, Public Health Ontario <i>Healthy Kids Community Challenge</i> Evaluation Aboriginal Subcommittees
2018-19	Councilor, Canadian Population Society
2017–18	Executive member, Network of Schools and Programs of Population and Public Health.
2009–18	Editorial Board Member, <i>International Indigenous Policy Journal</i>
2016	Workshop organizer, session chair, annual conference of the Canadian Research Data Centre Network
2015	Session organizer and chair, annual meetings of the Canadian Sociology Association.
2012	Local Area Coordinator, Canadian Population Society annual meetings at Congress of Humanities and Social Sciences, Waterloo.
2012	Co-organizer, Symposium on Measuring Well-Being at the Congress of Humanities and Social Sciences, Waterloo.
2010	Chair, provincial Ontario Graduate Scholarship (OGS) panel.
2009–10	Advisory Committee Member, Native Women's Association of Canada Elder Abuse project.
2008–10	Member, International Indigenous Foundation on Biodiversity Working Group on Indicators.
2008–10	Organizer of <i>Symposium on Advanced Analytical Methods</i> at the 2009 Congress of Social Sciences and Humanities.
2007–08	Organizing Committee, annual scientific and educational meetings Canadian Association on Gerontology (2008) and session chair (2007).
2008	Session organizer and chair, annual meetings of the Canadian Population Society.
2007	Round-table submission to federal Expert Panel on Older Workers, September.
2006–07	Canadian Population Society (Councilor, International Committee Member)
2005–06	Editor, <i>CPS News</i> , the newsletter of the Canadian Population Society
2004–05	Organizing Committee for Federation of Canadian Demographers 2005 Conference on Longitudinal Data.

As Expert Witness

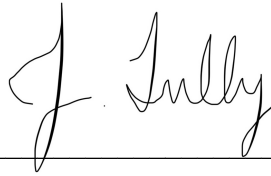
2009-present McGillivray (Opaskwayak Cree Nation) v. HMTQ. British Columbia Provincial Court.
2018 Nishnawbe Askie Nation (Part with First Nation Caring Society, Assembly of First Nations
 and Chiefs of Ontario) vs. Canada. Canadian Human Rights Tribunal.

Other Community Service

2012–16 Board member, *Anago non-Residential Services*. London, Ontario.


TAB 2

This is Exhibit "B" referred to in the
Supplemental Affidavit of Dr. Martin
Cooke affirmed before me, on this
15th day of May, 2025.

A handwritten signature in cursive script, appearing to read "J. Tully", is written above a horizontal line.

Commissioner for Taking Affidavits

Jordan Victoria Tully, a Commissioner, etc.,
Province of Ontario, while a Student-at-Law.
Expires April 25, 2028.



Remoteness Index Binary Cut-off Point

Fatemeh Hosseininasabnajar, Anne Munro, and Haaris Jafri
Centre for Special Business Projects



Delivering insight through data for a better Canada



Statistics
Canada

Statistique
Canada

Canada



Outline

- Background
- Objective
- Remoteness Concept
- Geographic Concepts
- Data Sources
- Methodology
- Results
- Conclusion



Statistics
Canada

Statistique
Canada

Delivering insight through data for a better Canada

Canada

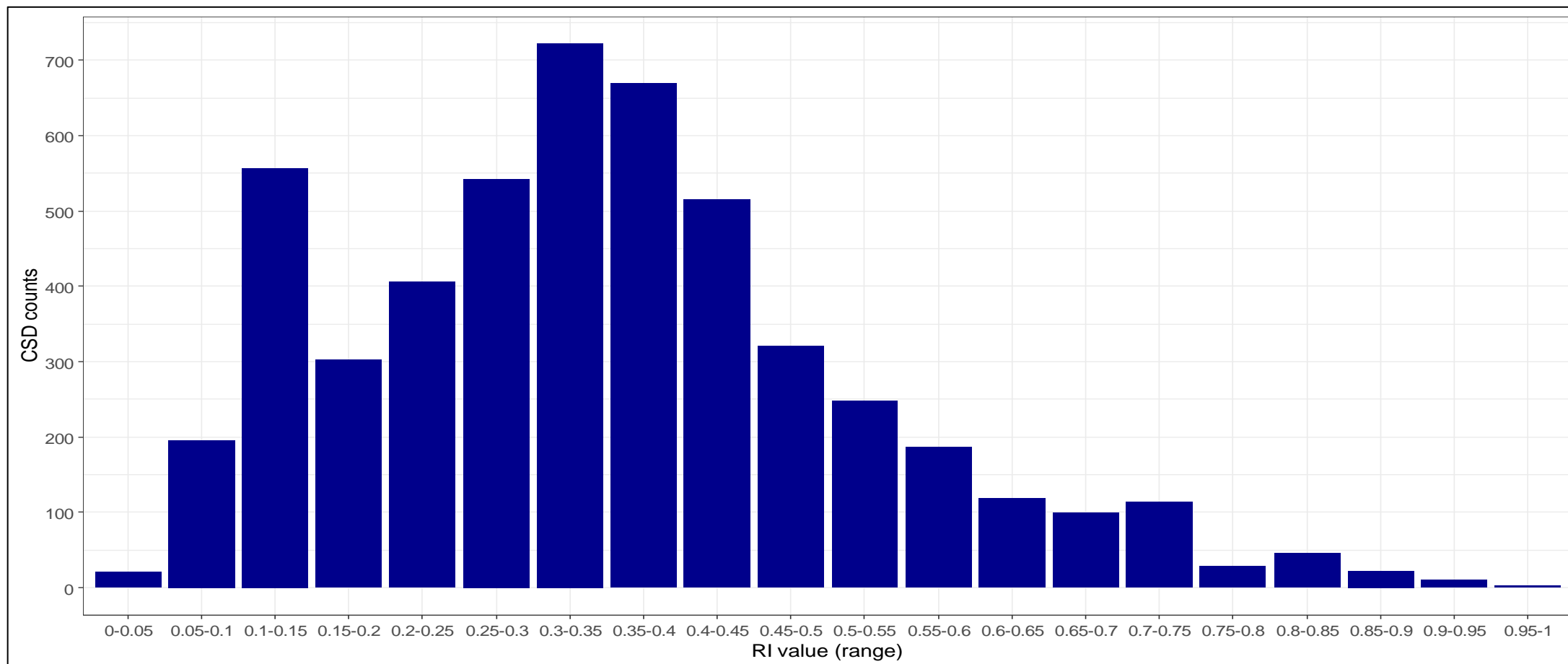


Background (1 of 2)

- Alasia et al. (2017) developed a continuous index which measures the degree of remoteness of each census subdivision (CSD) in Canada.
- This index is known as the Remoteness Index (RI).
- The RI was computed for all CSDs which reported some population in 2011 or were connected to the main road/ferry network.
- Based on a gravity model, the authors used the following to develop the RI for each CSD:
 - Travel cost from a community to population centres (POPCTRs)
 - The population of those POPCTRs (based on the 2011 Census of Population)
- The RI ranges from 0 to 1 with values near 0 representing the least remoteness and closer proximity to POPCTRs.

Background (2 of 2)

Frequency distribution of RI of CSDs in Canada





Objective

- The continuous RI provides an important tool for identifying communities within a specific range of remoteness, and for analyses involving a continuum of remoteness of communities.
- There are applications in which it would be desirable to categorize communities into discrete groups by remoteness. In some, only two distinct groups are desirable by using a single RI threshold.
- The main objective of this project was to develop a binary RI cut-off point to group CSDs into non-remote and remote classes (alternatively, less-remote and more-remote, etc.).
 - Practically, we are looking for the smallest RI score such that CSDs with RI scores greater than this score have access to communities with relatively smaller aggregate populations in their environs.



Remoteness Concept (1 of 2)

- The concept of remoteness in both the RI and the literature primarily refers to geographical proximity to nodes of activities and service provision.
- In this study, besides looking at the remoteness concept represented by the RI, we are focusing on the concept of remoteness which refers to the geographical proximity to populated areas.
- A CSD may have access not only to POPCTRs but to a large, but scattered, aggregate population with services available in a dispersed manner.
 - It is in contrast to consolidated services available in a POPCTR.
 - It is expected to have differences in the level or type of service availability in surrounding areas compared to POPCTRs.



Remoteness Concept (2 of 2)

- A community with no neighbours can be considered to be more remote compared to one surrounded by other populated communities regardless of their size.
- RI may not adequately capture the condition of a community that is far from a POPCTR but which is located in an area where it is surrounded by small communities that together contain some services.
- In this study, the assumption (based on evidence in the literature) is that regions with larger populations will have more services available to the regional population.



Geographic Concepts

There are two major geographic concepts used in this study: Census subdivision (CSD), population center (POPCTR).

- A CSD is an administrative region defined along municipal and reserve boundaries by the province or territory to which each municipality or reserve belongs.
 - According to the 2016 Standard Geographical Classification (SGC), Canada had 5,162 CSDs (1,114 Indigenous of which 921 are populated according to the 2016 Census of Population).
- POPCTRs are defined as areas with a population of at least 1,000 and a population density of 400 persons or more per square kilometer.
 - The POPCTR can be located in a single CSD or in an area which overlaps two or more CSDs.
 - According to the 2016 SGC, Canada had 1,005 POPCTRs.



Data Sources

The primary data sources for this study are:

- An update to the RI published in 2020 and based on the 2016 Census of Population and the 2016 Standard Geographical Classification (SGC).
- Population data from the 2016 Census of Population.
- Travel time matrices obtained from Google Maps Application Programming Interface (API) in 2017.
 - The travel-time from each CSD to POPCTRs within 300 kilometres geodesic distance.
 - The travel-time from each CSD to other CSDs within 300 kilometres geodesic distance.



Methodology (1 of 3)

- Step 1: Narrowing the search interval for a binary cut-off based on natural clusters in the RI continuum.
 - Grouping CSDs into two and three clusters using k-means clustering method.
 - The [0.3793,0.501] interval was identified as an intermediate interval to explore the RI binary cut-off.
 - Focusing on populated CSDs connected to the main road/ferry network, which accounted for the majority of CSDs with RI scores falling in this interval (1,058 out of 1,127 CSDs; 93.9%).
- Step 2: Exploring factors to identify RI cut-offs in the intermediate interval
 - Assuming aggregate population of surrounding region of a CSD as a proxy for service availability the following factors were selected:
 - aggregate population of CSDs within 2.5 hours of a reference CSD
 - aggregate population of POPCTRs within 2.5 hours of a reference CSD including POPCTRs within a CSD itself



Methodology (2 of 3)

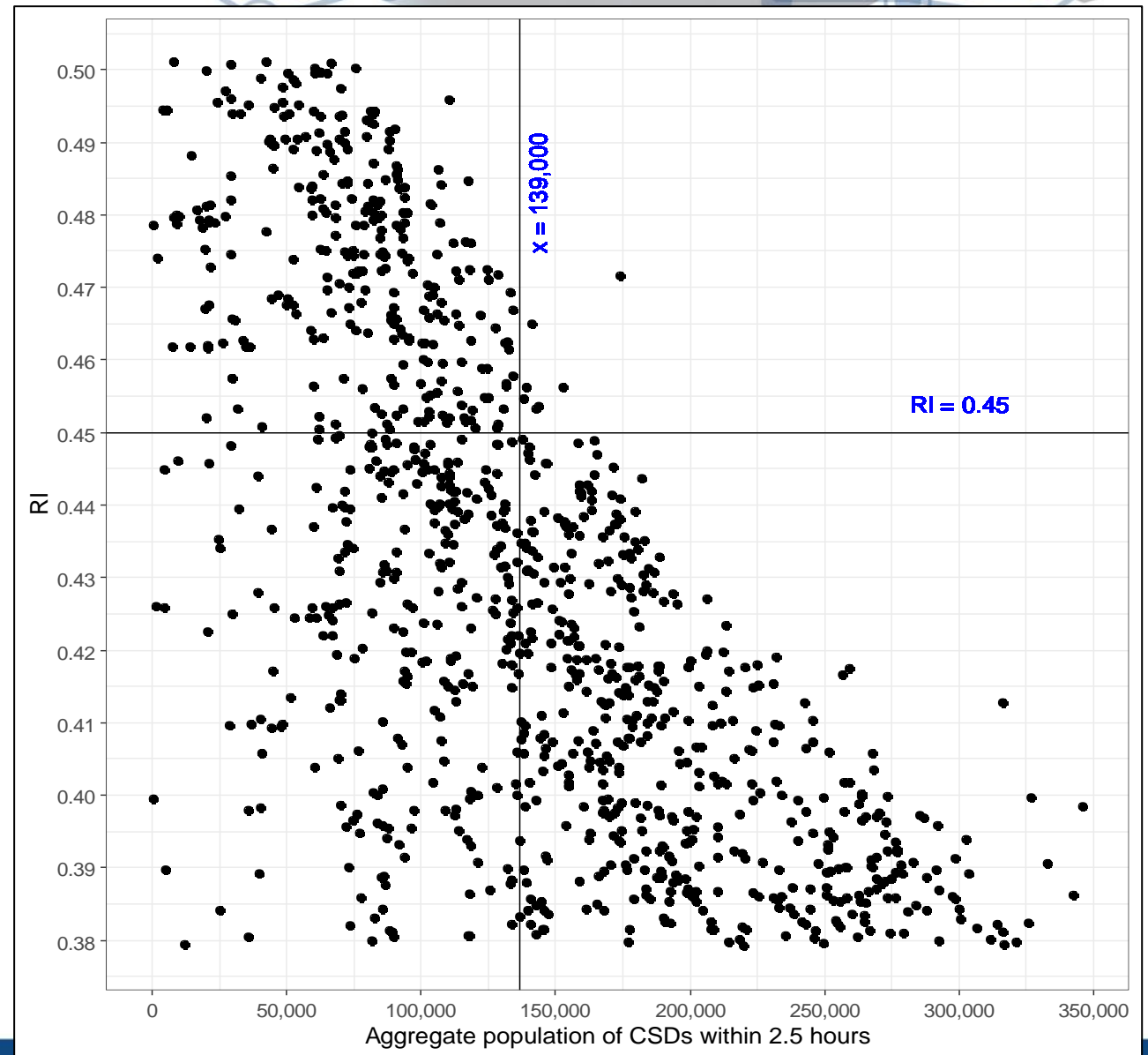
- Step 3: Searching for patterns to identify a narrowed range for the binary RI cut-off by looking at the distribution of RI scores versus surrounding population.
 - Grouping CSDs based on the aggregate population in their surrounding areas compared with the mean of the aggregate population of the destination CSDs/POPCTRs within 2.5 hours of populated and connected CSDs
 - The cut-off points are the RI mean/median of populated and connected CSDs (grouped by aggregate population in surrounding areas, obtained in the previous step).
- Step 4: A single RI cut-off is developed which is motivated by qualitative considerations.


Methodology (3 of 3)

Searching for Patterns

Distribution of RI vs aggregate population of CSDs within 2.5 hours

- Nearly all CSDs (except 6 CSDs) with access to areas with above-average surrounding aggregate populations have RI scores less than 0.45 (i.e., to the right of the vertical line). So, we identify 0.45 as the upper limit of the range for the binary cut-off point being sought.
- The mean and median RI scores of CSDs falling below the mean of the aggregate population in surrounding areas (i.e., to the left of the vertical line) also both happen to be equal to 0.45. Since, the median represent pivot points of the distribution, this reinforces the choice of 0.45 in the previous bullet point.





Results (1 of 5)

The endpoints of a narrowed search interval for a binary RI cut-off were identified as follows:

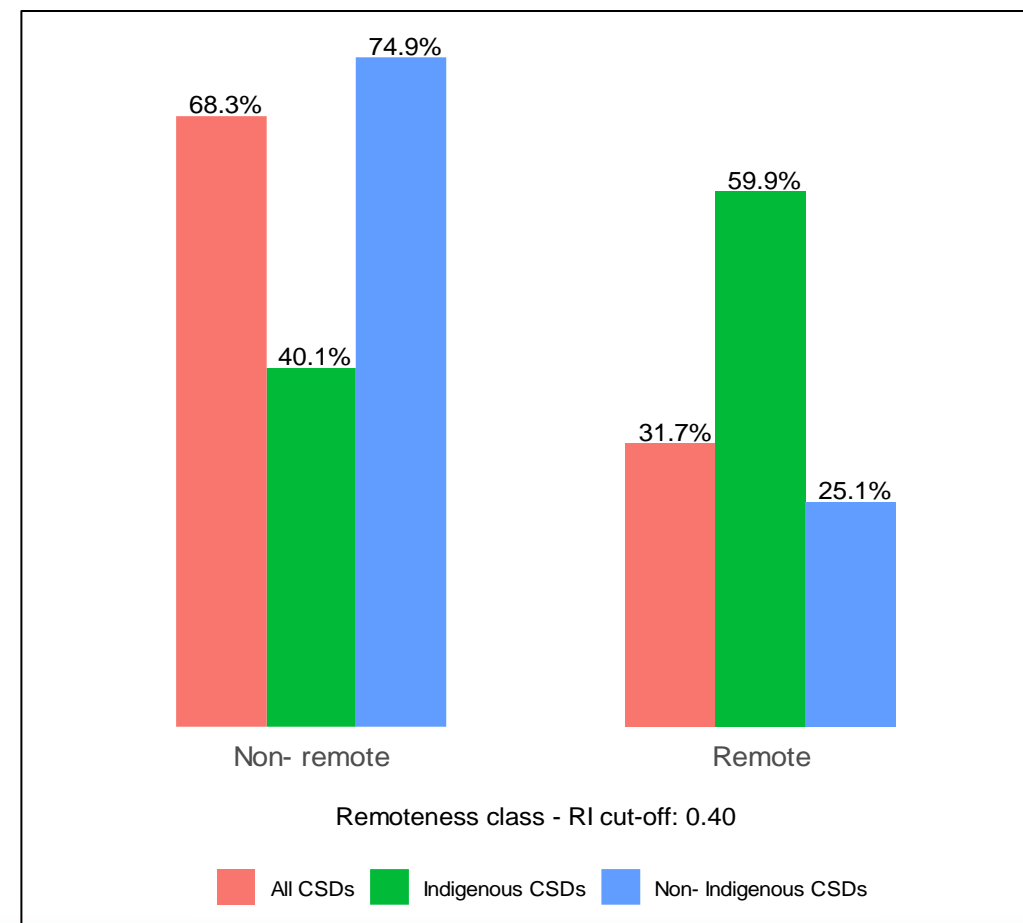
- The 0.40 RI – lower end of range: obtained based on the average RI score of populated and connected CSDs with
 - RI scores falling in the interval [0.3793, 0.4500) - which was obtained by using the upper end of range.
 - access to relatively large aggregate populations within 2.5 hours of travel time.
- The 0.45 RI – upper end of the range: obtained based on the average RI score of populated and connected CSDs
 - with RI scores within [0.3793, 0.5010] - which was obtained by looking at the natural breaks in RIs.
 - surrounding by communities with relatively small aggregated populations within 2.5 hours of travel time.
- The 0.40 RI cut-off was selected as the preferable **single cut-off point**:
 - All CSDs considered non-remote by this cut-off are also classified as non-remote by the 0.45 RI cut-off. This avoids the potential error of selecting communities as non-remote that are actually remote.

Results (2 of 5)

Distribution of Indigenous/non-Indigenous populated CSDs by remoteness class

Classifying CSDs to non-remote and remote based on their RI scores with respect to the 0.40 RI cut-off:

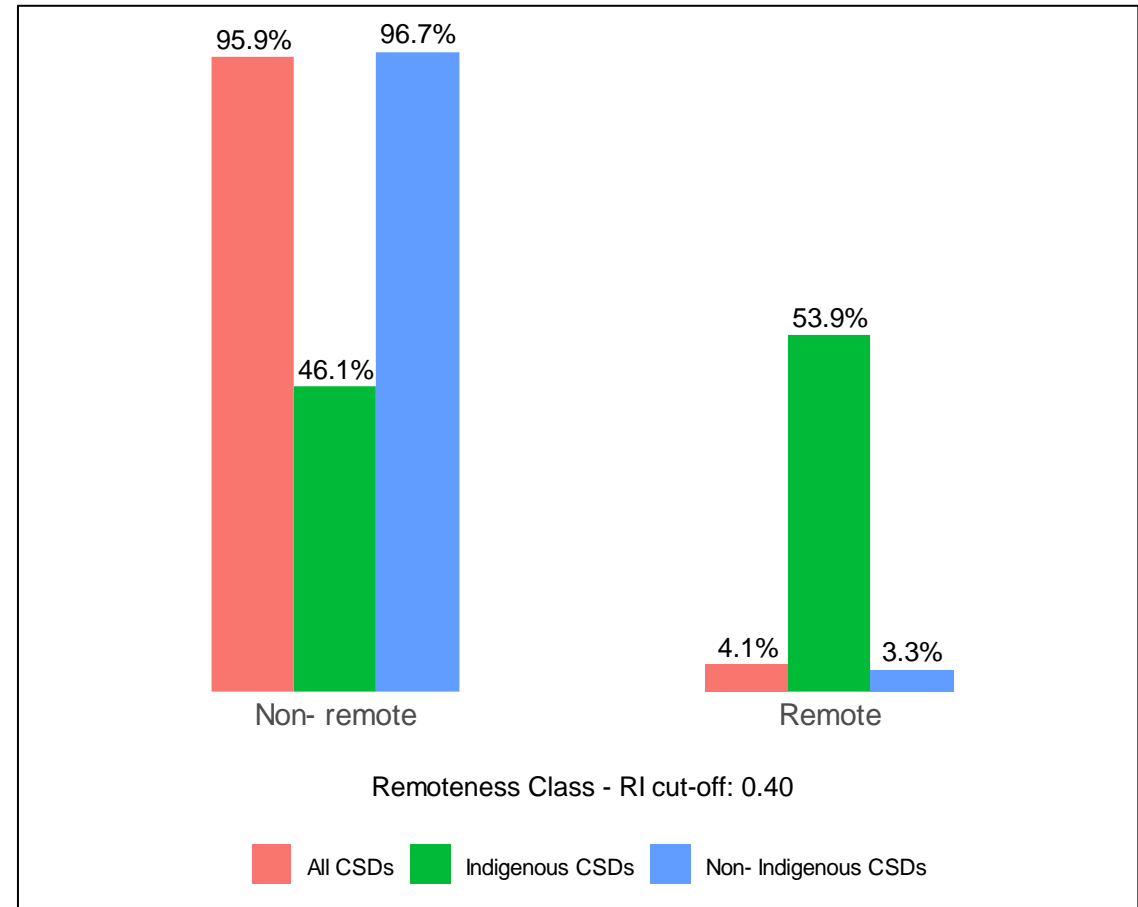
- Overall, less than one-third (31.7%) of populated CSDs are remote.
- Almost three-fifths (59.9%) of Indigenous CSDs are classified as remote.
- One-fourth (25.1%) of non-Indigenous communities are remote.
- The degree of remoteness of communities in each remoteness class is not the same with respect to their RI.



Results (3 of 5)

Population Distribution of Indigenous/non-Indigenous CSDs by remoteness class

- Over half (53.9%) of residents of Indigenous CSDs live in remote communities
- Only about 3% of the population of non-Indigenous CSDs reside in remote CSDs.
- Overall, about one in twenty five (4%) of all Canadians live in the remote areas.



Results (4 of 5)

Descriptive statistics of Indigenous/non-Indigenous CSDs by remoteness class (populated and connected CSDs)

Remoteness Class	CSD		Population		RI		
	Counts	Percent	Sum (x 1,000)	Percent	Mean	standard deviation	Median
	Indigenous CSDs						
Non- remote	369	46.5	248.9	57.4	0.2767	0.0895	0.3010
Remote	425	53.5	184.5	42.6	0.5541	0.0969	0.5476
	Non-Indigenous CSDs						
Non- remote	2,965	75.1	33,496.9	96.7	0.2499	0.0984	0.2664
Remote	985	24.9	1,139.4	3.3	0.4948	0.0879	0.4676
	All CSDs						
Non- remote	3,334	70.3	33,745.7	96.2	0.2528	0.0978	0.2695
Remote	1,410	29.7	1,323.9	3.8	0.5127	0.0947	0.4847

Overall, only about one-third (29.7%) of populated and connected CSDs are flagged as remote communities

Results (5 of 5)

RI descriptive statistics by remoteness class; populated and non-connected CSDs

CSD status	Remoteness Class	CSD Count	RI				
			Min	Max	Mean	Standard deviation	Median
Indigenous	Non- remote	0
	Remote	80	0.4086	0.9173	0.7424	0.1221	0.7948
Non- indigenous	Non- remote	2	0.2532	0.3461	0.2997	0.0657	0.2997
	Remote	9	0.4084	0.9075	0.7167	0.1485	0.7470
All	Non- remote	2	0.2532	0.3461	0.2997	0.0657	0.2997
	Remote	89	0.4084	0.9173	0.7398	0.1243	0.7850

The majority (88%) of the 91 CSDs which are connected to other communities via some combinations of mode of transportation are Indigenous CSDs and are mostly flagged as remote communities.



Conclusion (1 of 2)

- To explore candidates for a binary RI cut-off:
 - An intermediate interval was obtained based on the natural breaks in RI scores.
 - The narrowed RI range for the binary cut-off point (0.40 and 0.45) was identified by taking the mean/median RI scores of groups of CSDs with relatively large/small aggregate population in their surrounding areas.
 - To avoid the potential error of flagging non-remote CSDs as remote, the 0.40 RI cut-off was selected as the preferred binary cut-off. Almost all CSDs which are not connected to the main road/ferry networks have RI scores greater than 0.40.
- Based on the 0.40 RI binary cut-off, more than three-fifths (59.9%) of all Indigenous CSDs were classified as being remote compared with one-fourth (25.1%) of non-Indigenous CSDs.
- Overall, about one-thirds of populated CSDs are flagged as remote areas, and only one in twenty five (4.1%) of Canadians live in these remote communities.
- Over half of the residents of Indigenous CSDs (53.9%) live in remote CSDs compared with only 3.3% of the population of non-Indigenous CSDs.



Statistics
Canada

Statistique
Canada

Delivering insight through data for a better Canada

Canada



Conclusion (2 of 2)

- The strength of the binary cut-off lies in its foundation in the natural breaks found within the RI, which forms groups within which there is a level of commonality between communities.
- The final narrowed range for the binary cut-off was identified by use of population thresholds. The quality of the identification of the endpoints of this range is therefore dependent on the relative uncertainty as to the extent to which a distributed population can serve as a proxy for service availability.
 - Based on the literature review, this uncertainty is likely to be relatively low.
- A quantitative assessment of the level of access to services and service availabilities are out of scope in this study and can be addressed in future studies.
- This study outlines a methodology that is primarily quantitative and both repeatable and extensible for future iterations of the RI.
- In this study, the methodology uses natural clusters in RI and community-specific factors to identify an RI binary cut-off. Other valid binary groupings could be different from what is proposed in this study.



Thank you!



Statistics
Canada

Statistique
Canada

Delivering insight through data for a better Canada

Canada



Supplementary slides



Statistics
Canada

Statistique
Canada

Delivering insight through data for a better Canada

Canada

Natural clusters in RI scores

Number of CSDs by mode of transportation, two-, and three-class

Two-class	Three-class		
	Non-remote, RI Range [0,0.2717]	Intermediate-remote, RI Range [0.2721,0.5010]	Remote, RI Range [0.5014,1]
	CSD counts		
	Air		
Non- remote; RI range [0,0.3791]
Remote, RI range [0.3793,1]	...	2	45
	Combination of air, train, winter road, charter boat and/or seasonal ferry		
Non- remote; RI range [0,0.3791]	1	1	...
Remote, RI range [0.3793,1]	...	6	83
	Main road/ferry network		
Non- remote; RI range [0,0.3791]	1,693	1,364	...
Remote, RI range [0.3793,1]	...	1,058	629
	No population		
Non- remote; RI in [0,0.3791]	23	50	...
Remote, RI in [0.3793,1]	...	61	109
	All CSDs		
Non- remote; RI in [0,0.3791]	1,717	1,415	...
Remote, RI in [0.3793,1]	...	1,127	866

Exploring the narrower RI interval

Descriptive statistics of RI by group created based on the factors' mean in populated and connected CSDs; RI in [0.3793, 0.45)

Factor	Group created by Factor mean	CSD Counts	RI				
			Min	Max	Mean	Standard deviation	Median
Aggregate population of CSDs within 2.5 hours	> 164,000	360	0.3793	0.4489	0.4015	0.0164	0.3974
Aggregate population of POPCTRs within 2.5 hours	> 87,000	357	0.3793	0.4448	0.4018	0.0160	0.3986

The mean/median RI is approximately 0.40 (rounding to two decimal points) which introduces 0.40 as another potential cut-off point.