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Fact Sheets

1. Nursing Practice in Rural and Remote Canada II: Registered Nurse National Survey Report. Available on line: <https://www.unbc.ca/sites/default/files/sections/rural-nursing/en/rrniirfinalreport20170821.pdf>
CIHI October 16, 2017 News and Upcoming Releases- Showcasing our data
Learn more about how researchers across the country used CIHI data and expertise to study the nature of nursing practice in rural and remote Canada.

Conference proceedings

- (1) Karunanayake C, Pahwa P, Rennie DC, Dosman JA, McGuigan CF, 2008. The effects of genetic and environmental factors on longitudinal changes in pulmonary function values in a rural population: The Humboldt study. 2008 Proceedings of the American Statistical Association, Section on Statistics in Epidemiology. [CD-ROM], Alexandria, VA: American Statistical Association: pages 985-992.
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Non-referred Contributions

- (1) Karunanayake CP. 2007. Multivariate Poisson Hidden Markov Models for Analysis of Spatial Counts, PhD dissertation. University of Saskatchewan, Canada.
- (2) Karunanayake CP. 2002. Confidence Intervals for Estimated Response Curve Using Fractional Polynomials, Master dissertation. Limburgs Universitair Centrum, Belgium.
- (3) Karunanayake CP. 2001. Modelling HIV Prevalence Rate of Migrant/ Non Migrant Women in South Africa, Master dissertation. Limburgs Universitair Centrum, Belgium.
- (4) Karunanayake CP. 2000. Trends and Forecasting of Electricity Consumption in Sri Lanka, Master dissertation, University of Peradeniya, Sri Lanka.
- (5) Karunanayake CP. 1996. An Analysis of Some Salient Labour Force Characteristics in Sri Lanka, A study based on Sri Lanka Labour force Survey, First Quarter 1995, Undergraduate thesis. University of Colombo, Sri Lanka.

PRESENTATIONS AT THE NATIONAL AND INTERNATIONAL SCIENTIFIC CONFERENCES Invited Presentations

- (1) Karunanayake CP, Pahwa P, Thorpe L. Association between mental distress and smoking, physical activity and consumption of fruits and vegetables. The First International Conference on Theory and Application of Statistics, December 26-28, 2010, Dhaka, Bangladesh.
- (2) Punam Pahwa, Chandima Karunanayake and Helen McDuffie (2006). "Modelling of Longitudinal Polytomous Outcomes from Complex Survey Data: Using GEE and Missing Data Analysis". Survey Methods Section: 34th Annual Meeting of the Statistical Society of Canada, May 31st, 2006, London Ontario.

Recent Presentations

- (3) Poster Presentation on "Evidence of Obstructive Sleep Apnea among First Nations People." The 30th European Respiratory Society International Congress 2020, August 24-September 7-9, 2020, Virtual Conference.
- (4) Poster Presentation on "Life Style Factors Contributing to Obesity among First Nations Children." The 14th Conference of the Canadian Rural Health Research Society (CRHS): Better Health for Rural Canadians: from Evidence to Practice. September 20th - 22nd, 2015, Edmonton, AB, Canada.
- (5) Poster presentation on "Prevalence of respiratory symptoms and their relationship to environmental factors in rural population", The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada

Abstracts (Published)

- (1) Margaret Sutherland, Andrew Kirk, Chandima Karunanayake, Megan E. O'Connell, Debra G. Morgan. What Happens to the Worried Well? – Follow-up of subjective cognitive impairment. The Alzheimer's Association International Conference 2021, July 25-30, 2021. Amsterdam, Netherlands (Virtual Event).
- (2) VR Ramsden, S Kirychuk, C Karunanayake, N Rabbitskin, S Bighead, L Dolovich, JA Dosman, M Fenton, H Graham, L Lamarche, B Davis, N Jacobson, B Thompson, T Turner. It's the House! māṁawōhkamātowin (Working Together) to Enhance Wellness. The 48th Annual Meeting of the North American Primary Care Research Group (NAPCRG), virtual, November 20-24, 2020, Leawood, KS (Poster). Abstract – PCR074.
- (3) Dosman J, Fenton M, Karunanayake C, Seesequasis J, McMullin K, King M, Abonyi S, V. Ramsden V, Rennie

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- (4) James A. Dosman, Mark Fenton, Chandima P. Karunanayake, Malcolm King, Sylvia Abonyi, Vivian R. Ramsden, Donna C. Rennie, Shelley Kirychuk, Niels Koehncke, Robert Skomro, John Gjevre, Jeremy Seesequasis, Bernie Petit, Clifford Bird, Kathleen McMullin, Tom Smith-Windsor, Brooke Russell, Punam Pahwa. Assess, Redress, Re-assess: Addressing Disparities in Sleep Health among First Nations People. Canadian Respiratory Conference 2020. April 16-18, 2020, Niagara Falls, ON, Canada. 2020 Canadian Respiratory Conference abstracts, Canadian Journal of Respiratory, Critical Care, and Sleep Medicine 2020; 4(S2): 1-33, DOI: [10.1080/24745332.2020.1750227](https://doi.org/10.1080/24745332.2020.1750227)
 - (5) James A. Dosman, Chandima P. Karunanayake, Malcolm King, Sylvia Abonyi, Malcolm King, Vivian R. Ramsden, Donna C. Rennie, Shelley Kirychuk, Niels Koehncke, Mark Fenton, Robert Skomro, John Gjevre, Jeremy Seesequasis, Bernie Petit, Clifford Bird, Kathleen McMullin, Vivian R. Ramsden, Tom Smith-Windsor, Brooke Russell, Punam Pahwa. Assess, Redress, Re-assess: Addressing Disparities in Sleep Health among First Nations People. The Community Health & Epidemiology 60th Anniversary Symposium, College of Medicine, University of Saskatchewan, Saskatoon, Canada. October 26, 2019. Poster presentation.
 - (6) Rennie D, Kirychuk S, Thompson B, Dosman J, Pahwa P, Karunanayake C, Anwar N, Eric Russell E. Investigation of the Association between Adult Wheeze and Household $\beta(1\rightarrow3)$ -glucans Exposures in First Nations Communities in Canada. The 31st annual conference of the International Society for Environmental Epidemiology (ISEE 2019), 25-28 August, 2019, Utrecht, Netherlands.
 - (7) Donna C Rennie, Chandima Karunanayake, Joshua Lawson, Shelley Kirychuk, James Dosman, Sylvia Abonyi, Jeremy Seesequasis, Punam Pahwa. Damp housing is a risk factor for atopic asthma in First Nation adults. ERS International Congress 2019, Madrid, Spain. 28 September to 2 October, 2019. European Respiratory Journal 2019; 54: Suppl. 63, PA2772. DOI: 10.1183/13993003.congress-2019.PA2772
 - (8) IU Shahab, A Kirk, C Karunanayake, M O'Connell, D Morgan. Rate of cognitive decline in dementias in patients from rural and remote Saskatchewan. Volume 46, Issue s1 (ABSTRACTS: The 54th Annual Congress of the Canadian Neurological Sciences Federation) 15-19 June 2019, Montreal, QC, Canada, p. S14. DOI: <https://doi.org/10.1017/cjn.2019.103>.
 - (9) M Kushneriuk, A Kirk, C Karunanayake, DG Morgan, ME O'Connell. Quality of life across types of dementia in rural and remote memory clinic patients. Volume 46, Issue s1 (ABSTRACTS: The 54th Annual Congress of the Canadian Neurological Sciences Federation) 15-19 June 2019, Montreal, QC, Canada, p. S14. DOI: <https://doi.org/10.1017/cjn.2019.104>.
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 - (12) Ibrahim Watara Abubakari, James Dosman, Chandima Karunanayake, Punam Pahwa. Longitudinal changes of Colorectal cancer prevalence among farm and non-farm rural residents. The 2019 Health Effects Institute Annual Conference, Seattle, Washington, USA, May 5-7, 2019.
 - (13) Nadine Abu-Ghazaleh, Andrew Kirk, Chandima Karunanayake, Debra Morgan, Megan O'Connell. Characteristics of Frontotemporal dementia patients' caregivers. The 11th International Conference on Frontotemporal Dementias, being held at the International Convention Centre Sydney (ICC), from the 11 - 14 November 2018. Sydney, Australia.
 - (14) VR Ramsden, S Kirychuk, N Rabbitskin, S Abonyi, L Dolovich, JA Dosman, M Fenton, H Graham, L Lamarche, S Bighead, B Davis, N Jacobson, C Karunanayake, S McKay, T Turner. Māmwōhkamātowin (Working Together) – Enhancing Health & Wellness. North American Primary Care Research Group (NAPCRG) Annual Scientific Meeting, Chicago, Illinois, USA. November 9-13, 2018.

- (15) Zahan R, Khan S, Rennie DC, Karunanayake, C, Fenton M, Abonyi S, Seesequasis J, Arnault, D, Gardipy J, Dosman JA, Pahwa P. Spirometric Reference Equations for Cree First Nations Children and Adolescents Living in Rural Saskatchewan, Canada. Chest 2018, the annual meeting of the American College of Chest Physicians (ACCP), October 6-10, 2018 in San Antonio, Texas.
- (16) Harlton S, Abonyi S, Pahwa P, Karunanayake C, Dosman J, Seesequasis J. Chronic bronchitis among seniors in two First Nation communities in Saskatchewan- prevalence and its association with housing conditions. Saskatchewan Epidemiology Association (SEA) 18th Annual Fall Symposium & Workshop, October 3-4th, 2018, Saskatoon, Saskatchewan, Canada.
- (17) Sylvia Abonyi, Ulfat Khanam, Chandima Karunanayake, Punam Pahwa. An examination of health determinants and status of older Aboriginal and non-Aboriginal peoples in Canada using national survey data. The 17th International Congress on Circumpolar Health (ICCH 17), August 12-15, 2018. Copenhagen, Denmark.
- (18) Ramsden VR, Rabbitskin N, Kirychuk S, Abonyi S, Dolovich L, Dosman, J, Fenton M, Graham H, Lamarche L, Bighead S, Davis B, Jacobson N, Karunanayake C McKay S, Turner T. In what ways has the Green Light Program improved health and wellness with the community? The Society for Academic Primary Care's Annual Meeting, July 10-12, 2018. London, United Kingdom.
- (19) Sydney Lee, Andrew Kirk, Chandima Karunanayake, Megan O'Connell, Emily Kirk, Debra Morgan. Factors associated with having a will, power of attorney and advanced healthcare directive in patients presenting to a rural and remote memory clinic. The 53rd Canadian Neurological Sciences Federation Congress, June 24-June 27, 2018, Halifax, Nova Scotia, Canada.
- (20) Zahan R, Khan S, Rennie DC, Karunanayake, C, Fenton M, Abonyi S, Seesequasis J, Arnault, D, Gardipy J, Dosman JA, Pahwa P. Spirometric Reference Equations for Cree First Nations Children and Adolescents Living in Rural Saskatchewan, Canada. Canadian Society for Epidemiology and Biostatistics: 2018 Student Conference, June 15-17, 2018. Lakehead University, Thunder Bay, Ontario.
- (21) Penz, K., Stewart, N., Karunanayake, C. Kosteniuk, J., & MacLeod, M. Testing a Model of Competence and Confidence in Rural/Remote Nursing Practice: An Interplay of Exposure/Experience, Work Environment, Community and Professional Wellbeing. Canadian Association for Health Services and Policy Research (CAHSPR) Conference, Shaping the Future of Canada's Health Systems, May 29-31, 2018, Montreal QC.
- (22) James A. Dosman, Chandima P. Karunanayake, William Pickett, Donna C. Rennie, Joshua Lawson, Mark E. Fenton, Frances Chung, Punam Pahwa. Suspected Obstructive Sleep Apnea and Risk of Injuries among Rural Dwellers. American Thoracic Society (ATS) International Conference 2018, San Diego, CA, USA. May 18-23, 2018. American Journal of Respiratory and Critical Care Medicine 2018;197:A3965
- (23) C Spagnuolo, W Pickett, M Mclsaac, C Karunanayake, P Pahwa, J Dosman and the Saskatchewan Rural Health Study Research Team. Access to specialist medical care and diagnosis of obstructive sleep apnea in rural Saskatchewan. Ontario Public Health Association Conference, Toronto, Ontario, Canada. November 8th, 2017.
- (24) Kosteniuk, Julie; Stewart, Norma; Karunanayake, Chandima; Wilson, Erin; Penz, Kelly; Kulig, Judith; Kilpatrick, Kelley; Martin-Misener, Ruth; Morgan, Debra; MacLeod, Martha. Exploratory Factor Analysis and Reliability of the Primary Health Care Engagement (PHCE) Scale. NAPCRG 2017 Poster on Completed Research, 2017 North American Primary Care research Group (NAPCRG) Annual Meeting, Montreal, Quebec, November 17-21, 2017
- (25) Jaylynn Arcand, Andrew Kirk, Chandima Karunanayake, Debra Morgan. A comparison of Indigenous and non-Indigenous patients referred to a rural and remote memory clinic. XXIII World Congress of Neurology (WCN 2017) Kyoto, Japan. September 16 – 21 2017
- (26) Olivia Philippon, Andrew Kirk, Chandima Karunanayake, Debra Morgan. Differences between men and women referred to a rural and remote memory clinic. XXIII World Congress of Neurology (WCN 2017) Kyoto, Japan. September 16 – 21 2017
- (27) Jaylynn Arcand, Andrew Kirk, Debra Morgan, Chandima Karunanayake. Differentiating factors between Aboriginal and non-Aboriginal patients at the Saskatchewan Rural and Remote Memory Clinic. The Canadian Neurological Sciences Federation conference, June 20-23, 2017, Victoria, BC, Canada
- (28) Bonnie Janzen, Chandima Karunanayake, Louise Hagel, Joshua A. Lawson, Donna C. Rennie, William Pickett, Ambikaipakan Senthilselvan, and James A. Dosman, Punam Pahwa, for the Saskatchewan Rural Health Study Team. Gender and Insomnia in a Rural Canadian Population. Poster presentation at the

- Society for Epidemiologic Research (SER) 50th Annual Meeting, June 20-23 2017, Seattle, Washington, USA.
- (29) Bonnie Janzen, Chandima Karunanayake, Louise Hagel, Joshua A. Lawson, Donna C. Rennie, William Pickett, Ambikaipakan Senthilselvan, and James A. Dosman, Punam Pahwa, for the Saskatchewan Rural Health Study Team. Mental Health among Rural Dwelling Canadians: Variation by Gender and Farm Residence. Poster presentation at the Society for Epidemiologic Research (SER) 50th Annual Meeting, June 20-23 2017, Seattle, Washington, USA.
 - (30) Kirychuk S, Russell E, Ramsden V, Rennie D, Karunanayake C, Thompson B, Roberts C, Bird D, Seeseequasis E, Petit RC, Abonyi S, Pahwa P, Dosman JA. Household environment and health in two First Nations communities. The American Industrial Hygiene Conference & Exposition 2017, Seattle, Washington, USA. June 4-7, 2017.
 - (31) J Luu, S Kirychuk, C Karunanayake, J Lawson, P Pahwa, D Rennie, L Hagel, J Dosman. Access to routine medical care and cardiovascular disease outcomes in rural Canadian population. Canadian Cardiovascular Congress 2017: 70th Annual meeting of the Canadian Cardiovascular Society. October 21-24, 2017, Vancouver, BC, Canada.
 - (32) Ruh Afza, Chandima Karunanayake, Bruce Reeder, Punam Pahwa. The ability of the 'SCORE risk model' to predict 10-year cardiovascular disease mortality: Canadian Heart Health Survey Follow-up Study as an example. Canadian Society for Epidemiology and Biostatistics-CSEB 2017 Biennial Conference, Banff, AB. May 30 – June 2, 2017
 - (33) Rennie DC, Karunanayake C, Lawson J, Janzen B, Dyck R, Pahwa P, Dosman J. Distance to Health Care and Asthma Morbidity. The American Thoracic Society (ATS) International Conference 2017, Washington, DC, USA. May 19-24, 2017.
 - (34) Dosman J, Abonyi S, Karunanayake C, Rennie DC, Kirychuk S, Lawson JA, Fenton M, Gardipy PJ, MacDonald J, Pahwa P. Determinants of Snoring Among First Nations People in Two Saskatchewan Reserve Communities. The American Thoracic Society (ATS) International Conference 2017, Washington, DC, USA. May 19-24, 2017.
 - (35) Kirychuk S, Russell E, Karunanayake C, Rennie D, Thompson B, Abonyi S, Dosman J, Pahwa P. Association between Endotoxin, Damp Housing and Current Wheeze in Adults Living in Two First Nations Communities. The American Thoracic Society (ATS) International Conference 2017, Washington, DC, USA. May 19-24, 2017.
 - (36) Punam Pahwa, Masud Rana, Chandima Karunanayake, Louise Hagel, Valerie Elliot, Josh Lawson, Donna Rennie, A Senthilselvan, James Dosman, Saskatchewan Rural Health Study Research Team. Longitudinal Changes in Prevalence of Chronic Bronchitis in Rural People. European Respiratory Society 2016 International Congress, September 3-7, 2016, London, United Kingdom.
 - (37) Donna Rennie, Chandima Karunanayake, Joshua Lawson, James Dosman, Kathleen McMullin, Abonyi Sylvia, Jo-Ann Episkenew, P. Jenny Gardipy, Judith MacDonald, Punam Pahwa. Predictors of airway function in a population of First Nations children living in rural Canada. European Respiratory Society 2016 International Congress, September 3-7, 2016, London, United Kingdom.
 - (38) Hubert Tote Alimezelli, Anne Leis, Wilfrid Denis, Chandima Karunanayake. Canada's linguistic policies and health inequities among minority Francophones (oral Presentation). The Pathways to Health Equity: Levelling the Playing Field conference, May 30-June 1st, 2016, Winnipeg, Manitoba, Canada.
 - (39) Hubert Tote Alimezelli, Anne Leis, Wilfrid Denis, Chandima Karunanayake. Linguistic policies and health disparities among official minority Francophones in Canada (poster Presentation). The Canadian Association for Health Services and Policy Research (CAHSPR), May 10-12, 2016, Toronto, ON, Canada.
 - (40) John A. Gjevre, Meenu Sharma, James Dosman, Chandima Karunanayake, Punam Pahwa. Prevalence of neuroactive medication use in the sleep laboratory population and the association with obstructive sleep apnea. Canadian Respiratory Conference 2016, April 14 - 16, 2016 - Halifax, Nova Scotia, Canada.
 - (41) John A. Gjevre, Meenu Sharma, James Dosman, Chandima Karunanayake, Punam Pahwa. Prevalence of rheumatoid arthritis medication use in the sleep laboratory population and the association with obstructive sleep apnea. Canadian Rheumatology Association 2016 CRA Annual Scientific Meeting, February 17-20, 2016, Lake Louise, Alberta, Canada.
 - (42) Jeremy Seeseequasis, Jo-Ann Episkenew, James A. Dosman, Sylvia Abonyi, Donna Rennie, Vivian Ramsden, Shelley Kirychuk, Chandima Karunanayake, Punam Pahwa, for the First Nations Lung Health Project Team. Addressing Inequities in Respiratory Health: A Focus on First Nations Housing. Healing Our Spirit

- Worldwide (HOSW) 2015, The Seventh Gathering, Hamilton, Aotearoa, New Zealand, November 15-19, 2015.
- (43) R. Dyck, C. Karunanayake, B. Janzen, J. Lawson, D. Rennie, V. Ramsden, J. Gardipy, L. McCallum, S. Abonyi, J. Dosman, J.A. Episkenew, P. Pahwa. Influence of Racism, Residential Schools and Cultural Disruption on Diabetes Prevalence among First Nations Peoples. World Diabetes Congress 2015, Vancouver, BC, Canada, November 30-December 4, 2015.
 - (44) Vivian R Ramsden, S McKay, K McMullin, J Seesequasis, J Gardipy, L Gamble, J Nelson, Laura McCallum, F Ross, C Karunanayake, S Abonyi, J-A Episkenew, P Pahwa, JA Dosman. First Nation Lung Health Program: Community Chosen Intervention. North American Primary Care Research Group Annual Meeting, Cancun, Mexico, October 24-28, 2015.
 - (45) Pahwa P, Karunanayake C, Hagel L, Rennie D, Elliot V, Lawson J, Janzen B, Kirychuk S, Pickett W, Senthilselvan A, Chen Y, Dosman JA. Understanding Respiratory Health Outcomes in Rural Populations: Longitudinal Component of the Saskatchewan Rural Health Study. The 14th Conference of the Canadian Rural Health Research Society (CRHS): Better Health for Rural Canadians: from Evidence to Practice. September 20th - 22nd, 2015, Edmonton, AB, Canada.
 - (46) Kathleen McMullin, S. Abonyi, J.A. Episkenew, J. Dosman, P. Pahwa, C. Karunanayake, D. Rennie, J. Gardipy, L. McCallum. Community Reflections on Addressing Environmental Challenges in Two First Nations. The 14th Conference of the Canadian Rural Health Research Society (CRHS): Better Health for Rural Canadians: from Evidence to Practice. September 20th - 22nd, 2015, Edmonton, AB, Canada.
 - (47) Chandima Karunanayake, Donna Rennie, Joshua A. Lawson, James A. Dosman, Kathleen McMullin, Laura McCallum, Jenny P. Gardipy, Jeremy Seesequasis, Sylvia Abonyi, Jo-Ann Episkenew, Punam Pahwa, First Nations Lung Health Project Team. Life Style Factors Contributing to Obesity among First Nations Children. The 14th Conference of the Canadian Rural Health Research Society (CRHS): Better Health for Rural Canadians: from Evidence to Practice. September 20th - 22nd, 2015, Edmonton, AB, Canada.
 - (48) Shelley Kirychuk, Donna Rennie, Chandima Karunanayake, Joshua Lawson, Eric Russell, Jeremy Seesequasis, Roy Petite, Daisy Bird, Frank Roberts, Punam Pahwa, Sylvia Abonyi, Jo-Ann Episkenew, James A Dosman and the First Nations Lung Health Project Research Team. Addressing Housing and Respiratory Health through Community Engagement in Two Saskatchewan First Nations Communities. The 14th Conference of the Canadian Rural Health Research Society (CRHS): Better Health for Rural Canadians: from Evidence to Practice. September 20th - 22nd, 2015, Edmonton, AB, Canada.
 - (49) Lawson JA, Rennie DC, Karunanayake C, Hagel L, Pahwa P, Dosman JA. A longitudinal assessment of asthma and wheeze among rural dwelling children. The International Society for Environmental Epidemiology, Sao Paulo, Brazil, August 30 - September 3, 2015.
 - (50) Bonnie Janzen, Chandima Karunanayake, Louise Hagel, Joshua A. Lawson, Donna C. Rennie, William Pickett, Ambikaipakan Senthilselvan, James A. Dosman, Punam Pahwa, for the Saskatchewan Rural Health Study Team. Determinants of Lung Function in Rural-Dwelling Women and Men. Poster presentation (abstract) at: 48th Annual Meeting of the Society for Epidemiologic Research; 2015 Jun 16-19; Denver, Colorado USA.
 - (51) John A. Gjevre, Meenu Rai, Chandima Karunanayake, James A. Dosman, Punam Pahwa. Comparison of screening tools used in a sleep laboratory referral population. SLEEP 2015, the 29th Annual Meeting of the Associated Professional Sleep Societies, LLC (APSS), June 6 –10, 2015, Seattle, WA, USA.
 - (52) Zahan, R., Khan, S., Rennie, D. C., Karunanayake, C., Dosman, J., Episkenew, J., Abonyi, S., Pahwa, P., Seesequasis, J., Arnault, D., Gardipy, J. Spirometric Reference Equation for Aboriginal Children in Saskatchewan. The Canadian Society for Epidemiology and Biostatistics 2015 -CSEB Conference, Toronto, ON, Canada, June 1-4, 2015.
 - (53) Tarun Katapally, Jo-Ann Episkenew, Chandima Karunanayake, Sylvia Abonyi, James Dosman, Punam Pahwa. Inter-generational transmission of historical trauma: The role of Canada's Indian Residential Schools in the Respiratory Health of Contemporary First Nations. The Canadian Public Health Association conference 2015, May 25-28, Vancouver, BC, Canada.
 - (54) Bonnie Janzen, Jo-Ann Episkenew, Sylvia Abonyi, Chandima Karunanayake, Jenny Gardipy, Darlene Arnault, James A. Dosman, Punam Pahwa, and the First Nations Lung Health Project Research Team. Social and Economic Patterning of Self-Reported Discrimination among on-Reserve First Nations

- Women and Men in Saskatchewan, Canada. The Canadian Public Health Association conference 2015, May 25-28, Vancouver, BC, Canada.
- (55) D. Rennie, C. Karunanayake, J.A. Lawson, J.A. Dosman, K. McMullin, D. Arnault, J. Gardipy, J. Seesequasis, S. Abonyi, J-A Episkenew, P. Pahwa. Damp housing is a risk factor for atopic asthma/wheeze in a First Nations population of children. ATS International Conference 2015, Denver, Colorado, USA, May 15-20,2015.
 - (56) Lawson JA, Rennie DC, Hagel L, Karunanayake C, Chu L, Pahwa P, Dosman JA. Atopic and non-atopic childhood asthma in a rural-dwelling population. ATS International Conference 2015, Denver, Colorado, USA, May 15-20, 2015.
 - (57) Balakrishnan L, Rennie D, Dosman J, Hagel L, Karunanayake C, Pahwa P, Lawson JA. The Evaluation of Lung Function in Relation to Rural Exposures among Children. ATS International Conference 2015, Denver, Colorado, USA, May 15-20, 2015.
 - (58) Alex Jahangirvand, Andrew Kirk, Chandima Karunanayake, Yifan Wang, Debra Morgan. Predictors of admission to long-term care in rural patients referred to memory clinic in Saskatchewan. The 67th American Academy of Neurology Conference, April 18-25, 2015, Washington, DC, USA.
 - (59) Charlene Thompson, Donna C. Rennie, Chandima Karunanayake, Andrew DeBray, Brian Littlepine, James A. Dosman, Jo-Ann Episkenew, Sylvia Abonyi, Punam Pahwa. Addressing the Respiratory Health Outcomes of Children in Grades 1 to 4 Living on Two First Nations Communities. Life and Health Sciences Research Day, University of Saskatchewan, Saskatoon, SK, Canada, March 13, 2015.
 - (60) Vivian R Ramsden, Kathleen McMullin, Jeremy Seesequasis, Chandima Karunanayake, Sylvia Abonyi, Jo-Ann Episkenew, Punam Pahwa, James Dosman. The Green Light Program: A Community Chosen Health Intervention. The Indigenous Health Conference: Challenging Health Inequities, November 20-21, 2014, Toronto, Ontario, Canada.
 - (61) Kirychuk, Shelley; Rennie, Donna; Karunanayake, Chandima; Lawson, Joshua; Russell, Eric; Seesequasis, Jeremy; Gamble, Everett; Bird, Daisy; Naytowhow, Arnold; Pahwa, Punam; Abonyi, Sylvia; Episkenew, Jo-Ann; Dosman, James. Housing Conditions and Respiratory Outcomes in two Saskatchewan First Nations Communities. The Indigenous Health Conference: Challenging Health Inequities, November 20-21, 2014, Toronto, Ontario, Canada.
 - (62) Meenu Rai, Joshua A. Lawson, Rani Kanthan, Chandima Karunanayake, Louise Hagel, Donna Rennie, James A. Dosman, Punam Pahwa, and the Saskatchewan Rural Cohort Study Group. Factors contributing to the prevalence of prostate cancer in rural Saskatchewan: the Saskatchewan Rural Health Study. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
 - (63) Donna Rennie, Josh Lawson, Chandima Karunanayake, Yue Chen, James Dosman Punam, Pahwa. Early Farm Exposure, Adult Atopy and Gender: The Saskatchewan Rural Cohort Study. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
 - (64) Chandima P. Karunanayake, Louise Hagel, Donna C. Rennie, Josh A. Lawson, James A. Dosman, Punam Pahwa, and for the Saskatchewan Rural Health Study. Prevalence of respiratory symptoms and their relationship to environmental factors in rural population. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
 - (65) Luan M. Chu, Donna C. Rennie, Donald W. Cockcroft, Punam Pahwa, James Dosman, Louise Hagel, Chandima Karunanayake, Joshua A. Lawson. Validation of Questionnaire Predictors and Objective Measures of Atopy in School-age Children: Saskatchewan Rural Health Study. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
 - (66) Guangming Zhao, Bonnie Janzen, Chandima Karunanayake, Louise Hagel, Punam Pahwa, James A Dosman, and The Saskatchewan Rural Health Study Team. Socioeconomic Position, Gender and Hypertension in a Rural Canadian Population. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
 - (67) Bonnie Janzen, Chandima Karunanayake, Louise Hagel, Punam Pahwa, James A Dosman, and The Saskatchewan Rural Health Study Team. Multiple Socioeconomic Circumstances and Health in a Rural

- Canadian Population. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
- (68) Bonnie Janzen, Donna Rennie, Joshua Lawson, Chandima Karunanayake, Louise Hagel, Punam Pahwa, James A Dosman, and The Saskatchewan Rural Health Study Team. Adult Asthma and Socioeconomic Position in a Rural Canadian Population. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
- (69) Kosteniuk J, Wilson E, Penz K, MacLeod M, Stewart N, Kulig J, Karunanayake C, and Kilpatrick K. Development and psychometric evaluation of the Primary Health Care Engagement (PHCE) Scale: a pilot study. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
- (70) Kirychuk, Shelley, Dwernychuk Lynn, Owusu-Kyem Akwasi, Koehncke Niels, Karunanayake Chandima, Punam Pahwa, Rennie Donna. Risk of Hearing Loss in Swine and Grain Workers. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK,

Canada

- (71) Meenu Rai, Chandima Karunanayake, John A. Gjevre, James A. Dosman, Punam Pahwa. Risk factors associated with physician diagnosed Obstructive Sleep Apnea. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
- (72) Bonnie Janzen, Jo-Ann Episkenew, Sylvia Abonyi, Chandima Karunanayake, Jeremy Seeseequasis, Arnold Naytowhow, James A. Dosman, Punam Pahwa, and the First Nations Lung Health Project Research Team. Self-Reported Discrimination and Mental Health among First Nations People in Canada. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
- (73) Sylvia Abonyi, Chandima Karunanayake, Donna Rennie, Kathleen McMullin, Jeremy Seeseequasis, Arnold Naytowhow, Josh Lawson, Akwasi Owusu-Kyem, Louise Hagel, Punam Pahwa, Jo-Ann Episkenew, James A. Dosman and the First Nations Lung Health Project Research Team. Health of Seniors in Two Saskatchewan First Nations Communities. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
- (74) Mohsen Soltanifar, Mark Fenton, Chandima Karunanayake, Jeremy Seeseequasis, Arnold Naytowhow, Sylvia Abonyi, Jo-Ann Episkenew, James A. Dosman, Punam Pahwa and the First Nations Lung Health Project Research Team. Are Abdominal Girth and Weight predictive of lung function in Saskatchewan First Nations Men and Women?. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
- (75) Kirychuk Shelley, Rennie Donna, Karunanayake Chandima, Lawson Joshua, Russell Eric, Seeseequasis Jeremy, Gamble Everett, Bird Daisy, Naytowhow Arnold, Pahwa Punam, Abonyi Sylvia, Episkenew Jo-Ann, Dosman James. Housing Factors and Relationships to Lung Health in two Saskatchewan First Nations Communities: Addressing through Community Engagement. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
- (76) William Albritton, Chandima Karunanayake, Donna Rennie, Joshua Lawson, Jeremy Seeseequasis, Arnold Naytowhow, Sylvia Abonyi, Jo-Ann Episkenew, James A. Dosman, Punam Pahwa, and the First Nations Lung Health Project Research Team. Prevalence of Ear Infection in First Nations and Rural School-Aged Children. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
- (77) Jo-Ann Episkenew, Sylvia Abonyi, Roland Dyck, Bonnie Janzen, Chandima Karunanayake, Jeremy Seeseequasis, Arnold Naytowhow, James A. Dosman, Punam Pahwa, and the First Nations Lung Health Project Research Team. Consequences of Colonization on Lifestyle Risk Factors. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
- (78) Cassandra Opikokew, Tarun Katapally, Jo-Ann Episkenew, Chandima Karunanayake, Sylvia Abonyi, James Dosman, Punam Pahwa. Utilizing Indigenous Knowledge to Intervene and Inform Respiratory Health Policy and Practice in First Nations Communities. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
- (79) Vivian R Ramsden, Kathleen McMullin, Jeremy Seeseequasis, Arnold Naytowhow, Chandima Karunanayake, Sylvia Abonyi, Jo-Ann Episkenew, James Dosman, Punam Pahwa. The Green Light Program: A Community Chosen Health Intervention. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health

- Research Society, October 19-22, 2014, Saskatoon, SK, Canada
- (80) Tarun Katapally, Jo-Ann Episkenew, Chandima Karunanayake, Sylvia Abonyi, James Dosman, Punam Pahwa, First Nations Lung Health Research Team. Working towards a community-based participatory intervention in First Nations: generating evidence to break the chain of association between lack of physical activity, overweight or obese weight status and risk of obstructive sleep apnea. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
- (81) Punam Pahwa, Chandima Karunanayake, Josh Lawson, Donna Rennie, Kathleen McMullin, Jeremy Seesequasis, Arnold Naytowhow, Louise Hagel, Sylvia Abonyi, Jo-Ann Episkenew, James A. Dosman and the First Nations Lung Health Project Research Team. Chronic Bronchitis in First Nations People– Prevalence and Associated Risk Factors. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
- (82) Tarun Katapally, Jo-Ann Episkenew, Greg Marchildon, Chandima Karunanayake, Sylvia Abonyi, James Dosman, Punam Pahwa. Integrated Knowledge Translation to De-adopt Ineffective Policies and Practices: A Model to Address and Redress the Obesity-Obstructive Sleep Apnea Nexus in First Nations. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
- (83) Meenu Rai, John A. Gjevre, Chandima Karunanayake, James A. Dosman, Punam Pahwa. Comparison of risk factors for daytime sleepiness measured by Epworth Sleepiness score obtained via population surveys and during the sleep lab visit. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
- (84) Bonnie Janzen, Jo-Ann Episkenew, Sylvia Abonyi, Chandima Karunanayake, Jeremy Seesequasis, Arnold Naytowhow, James A. Dosman, Punam Pahwa, and the First Nations Lung Health Project Research Team. Self-Reported Discrimination and Physical health among First Nations People in Canada. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
- (85) Chen Y, Rennie D, Karunanayake C, Hagel L, Pickett W, Janzen B, Dyck R, Lawson J, Dosman J, Pahwa P and the Saskatchewan Rural Health Study Team*. Income adequacy and education associated with the prevalence of obesity in rural Saskatchewan. The 7th International Symposium: Safety & Health in Agricultural & Rural Populations: Global Perspectives- Canadian Rural Health Research Society, October 19-22, 2014, Saskatoon, SK, Canada
- (86) Cassandra Opikokew, Tarun Katapally, Jo-Ann Episkenew, Chandima Karunanayake, Sylvia Abonyi, James Dosman, Punam Pahwa and First Nations Lung Health Research Team. Utilizing Indigenous Knowledge to Intervene and Inform Respiratory Health Policy and Practice in First Nations Communities. Poster Presentation: The International Network in Indigenous Health Knowledge and Development (INIHKD) in partnership with Manitoba Network Environment for Aboriginal Health Research (NEAHR), International Indigenous Health Conference 2014, October 5-10, 2014, Winnipeg, Manitoba.
- (87) Tarun Katapally, Cassandra Opikokew, Jo-Ann Episkenew, Chandima Karunanayake, Sylvia Abonyi, James Dosman, Punam Pahwa and First Nations Lung Health Research Team. The Complexity of the Obesity Pandemic: Can Indigenous Approaches Help?. Oral Presentation: The International Network in Indigenous Health Knowledge and Development (INIHKD) in partnership with Manitoba Network Environment for Aboriginal Health Research (NEAHR), International Indigenous Health Conference 2014, October 5-10, 2014, Winnipeg, Manitoba
- (88) Kathleen McMullin, Vivian R Ramsden, Jeremy Seesequasis, Arnold Naytowhow, Chandima Karunanayake, Donna Rennie, Josh Lawson, Jo-Ann Episkenew, Sylvia Abonyi, James Dosman, Punam Pahwa. The Green Light Project: A Celebratory Approach to Addressing

- Adverse Respiratory Outcomes in Two First Nations Communities. Round Table Discussion or Oral Presentation: The International Network in Indigenous Health Knowledge and Development (INIHKD) in partnership with Manitoba Network Environment for Aboriginal Health Research (NEAHR), International Indigenous Health Conference 2014, October 5-10, 2014, Winnipeg, Manitoba.
- (89) Martha MacLeod, Leana Garraway, Chandima Karunanayake, Kelley Kilpatrick, Julie Kosteniuk, Kelly Penz, & Norma Stewart. Revising a pilot survey for success: Lessons learned in a rural and remote nursing study. The International Rural Health and Rural Nursing Conference 2014 in Bozeman, Montana, July 29-31, 2014.
- (90) Janzen B, Karunanayake C, Hagel L, Bryce R, Dosman JA, Pahwa P, and the Saskatchewan Rural Health Study Research Group. The Socioeconomic Patterning of Rural Women's Health in a Canadian Province. 47th Annual SER Meeting (Society for Epidemiologic Research), June 24-27, 2014, Seattle, WA, USA.
- (91) Tarun Katapally, Jo-Ann Episkenew, Greg Marchildon, Chandima Karunanayake, Sylvia Abonyi, James Dosman, Punam Pahwa. Integrated Knowledge Translation to De-adopt Ineffective Policies and Practices: A Model to Address and Redress the Obesity-Obstructive Sleep Apnea Nexus in First Nations. Oral Presentation: Knowledge Translation Canada Annual Scientific Meeting, June 12-13, 2014, Quebec City, Quebec.
- (92) Kirychuk S, Dwernychuk L, Owusu-Kyem A, Koehncke N, Karunanayake C, Rennie D, Pahwa P. Hearing Health in Swine and Grain Workers. *Journal of Agromedicine* 2014; 19(2):220-221.
- (93) Drew Hanger, Andrew Kirk, Debra Morgan, Chandima Karunanayake, Megan O'Connell. Predictors of rapid cognitive decline in rural patients with Alzheimer's disease. The Canadian Neurological Sciences Federation 49th Congress. June 3-6, 2014, Banff, Alberta, Canada.
- (94) Donna C Rennie, James A Dosman, Chandima Karunanayake, Josh Lawson, Brooke Russell, Sarah Warkentin, Kathleen McMullin, Jeremy Seesequasis, Arnold Naytowhow, Jo-Ann Episkenew, Sylvia Abonyi, Punam Pahwa and the First Nations Respiratory Study Group. Domestic Risk Factors for Childhood Asthma and Wheeze in a First Nations Population. *ATS International Conference 2014, San Diego, USA, May 16-21, 2014. Am J Respir Crit Care Med* 189; 2014:A4592. First published online May 01, 2014 as doi:10.1164/ajrccm-conference.2014.189.1_MeetingAbstracts.A4592
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- (105) Janzen B, Bryce R, Karunanayake C, Hagel L, Dosman JA, Pahwa P. and the Saskatchewan Rural Health Study Research Group. What explains socioeconomic Inequalities in Health in a Rural Canadian population? The Canadian population Society Annual Meeting, June 5-7, 2013, Victoria, British Columbia, Canada.
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- (113) Chandima Karunanayake, Meenu Rai, James Dosman, Punam Pahwa. Prevalence and associated risk factors of breast cancer among rural women of farm and non-farm dwellers: the Saskatchewan Rural Health Study. 11th Canadian Rural Health Research Society Conference, October 25-27, 2012, Lévis, Quebec, Canada.
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- (123) Joshua Allan Lawson, Punam Pahwa, Chandima Karunanayake, Donna Carole Rennie, Louise Hagel, Shelley Kirychuk, James Dosman, On behalf of the Saskatchewan Rural Health Study (SRHS) Research Group. Respiratory symptoms associated with chronic conditions among those with and without asthma or COPD. Canadian Respiratory Conference 2012, Vancouver, BC,

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 - (126) Stewart N, Morgan D, Cammer A, Karunanayake C, O'Connell M. Gender Differences in Distress over Time for Rural Caregivers of a Family Member Diagnosed with Dementia. Alzheimer Society Saskatchewan-Spotlight on Research 2012, Saskatoon, Canada, January 18, 2012.
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 - (129) Punam Pahwa, Chandima Karunanayake, Stephanie Konrad, Bruce Reeder, and the CHHS Research Group. Comparison of Non-Frailty Competing Risks and Frailty-Based Competing Risks Models. An international conference of Statistical Concepts and Methods for the Modern World, 28-30 December 2011, Colombo, Sri Lanka.
 - (130) Roland Dyck, Chandima P Karunanayake, Punam Pahwa, Louise Hegal, Joshua Lawson, James A Dosman and the Saskatchewan Rural Health Study (SRHS) Research Group. Diabetes Rates and Risk Factors among Adults in Rural Saskatchewan. 10th Canadian Rural Health Research Society Conference, October 20-22, 2011, Richmond, Vancouver, BC, Canada.
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