

## CHANDIMA KARUNANAYAKE- PUBLICATIONS

### Manuscript (Published) -Peer-reviewed Journals

- (1) **Karunanayake, CP** and Laverty, WH. Multivariate Poisson Markov Dependent finite Mixture Models for Analysis of Weed Counts. **Model Assisted Statistics and Applications** 2006; 1(4): 267-277.
- (2) Witmans MR, McDuffie HH, **Karunanayake C**, Kerrich R, Pahwa P. An Exploratory Study of Chemical Elements in drinking Water and Non-Hodgkin's Lymphoma. **Journal of Toxicology and Environmental Chemistry** 2008; 90(6): 1227 - 1247. To link to this Article: DOI: 10.1080/02772240801937370. [Available from: <http://dx.doi.org/10.1080/02772240801937370>].
- (3) **Karunanayake CP**, McDuffie HH, Dosman JA, Spinelli JJ, Pahwa P. Occupational exposures and non- Hodgkin's lymphoma: Canadian case-control study. **Environmental Health** 2008, 7: 44 doi:10.1186/1476- 069X-7-44. <http://www.ehjournal.net/content/7/1/44>.
- (4) **Karunanayake CP**, Pahwa P. Statistical Modelling of Longitudinal Mental Distress among Rural and Urban seniors who participated in the National Population Health Survey. **Chronic Diseases in Canada, Public Health Agency of Canada** 2009; 29(3): 118-127.
- (5) McDuffie HH, Pahwa P, **Karunanayake CP**, Spinelli JJ, Dosman JA. Clustering of cancer among families of cases with Hodgkin Lymphoma (HL), Multiple Myeloma (MM), Non-Hodgkin's Lymphoma (NHL), Soft Tissue Sarcoma (STS) and control subjects. **BMC Cancer** 2009; 9:70 doi:10.1186/1471-2407- 9-70. <http://www.biomedcentral.com/1471-2407/9/70>
- (6) Pahwa P, **Karunanayake CP**, McDuffie HH, Spinelli JJ, Dosman JA. Ethnicity and incidence of Hodgkin's disease in Canadian population. **BMC Cancer** 2009; 9:141 doi:10.1186/1471-2407-9-141. <http://www.biomedcentral.com/1471-2407/9/141>
- (7) McNally DJ, Leis K, Matheson LA, **Karunanayake C**, Sankaran K, Rosenberg AM. Vitamin D deficiency in young children with severe acute lower respiratory infection. **Pediatric Pulmonology Journal** 2009; 44:981- 988.
- (8) **Karunanayake CP**, Singh GV, McDuffie HH, Dosman JA, Spinelli JJ, Pahwa P. Occupational exposures and Hodgkin lymphoma: Canadian case-control study. **Journal of Occupational and Environmental Medicine** 2009, 15 (12): 1447-1454. Erratum JOEM 2010; 52(3):354.
- (9) Pahwa P, **Karunanayake CP**, Rennie DC, Chen Y, Schwartz DA, Dosman JA. Association of the Asp299Gly TLR4 Polymorphism with Lung Function in Relation to Body Mass index. **BMC Pulmonary Medicine** 2009; 9:46 (<http://www.biomedcentral.com/1471-2466/9/46>)
- (10) Pahwa P, **Karunanayake CP**. Modeling of Longitudinal Polytomous Outcome from Complex Survey Data Application: To Investigate an association between Mental Distress and Non-malignant Respiratory Diseases. **BMC Medical Research Methodology** 2009; 9:84 (<http://www.biomedcentral.com/1471- 2288/9/84>)
- (11) **Karunanayake CP**, Rennie DC, Pahwa P, Chen Y, Dosman JA. Predictors of longitudinal respiratory symptoms in a rural population: The Humboldt study. **Canadian Respiratory Journal** 2011; 18(3): 149-153.
- (12) Lacny C, Kirk A, Morgan DG, **Karunanayake C**. Does Day Length Affect Cognitive Performance in Rural and Remote Memory Clinic Patients? **Canadian Journal of Neurological Sciences** 2011;

38 (3): 461-464.

- (13) Pahwa P, **Karunanayake CP**, Dosman JA, Spinelli JJ, McLaughlin JR, and Cross-Canada Group. Soft-Tissue Sarcoma and Pesticides Exposure in Men: Results of a Canadian Case-Control Study. **Journal of Occupational and Environmental Medicine** 2011, 53(11):1279-1286.
- (14) **Karunanayake CP**, Rennie DC, Pahwa P, Chen Y, Dosman JA. Relationship between lung function and hypertension among rural Canadians using fractional polynomials. **Sri Lankan Journal of Applied Statistics** 2011; 12: 41-62. (Special Issue: International Statistics Conference 2011).
- (15) Heggie M, Morgan DG, Crossley M, Kirk A, Wong PHP, **Karunanayake CP**. Quality of life in early dementia: Comparison of rural patient and caregiver ratings at baseline and one year. **Dementia: The International Journal of Social Research and Practice** 2012; 11(4):516-535.
- (16) Pahwa P, **Karunanayake CP**, Hagel L, Gjevre J, Rennie D, Lawson J, Dosman JA. Prevalence of High Epworth Sleepiness Scale in a Rural Population. **Canadian Respiratory Journal** 2012; 19(2): e10-e14.
- (17) Morgan DG, Cammer A, Stewart NJ, Crossley M, D'Arcy C, Forbes DA, **Karunanayake C**. Nursing aide reports of physical assault by residents with dementia: Results from a detailed prospective incident diary. **Journal of the American Medical Directors (JAMDA)** 2012; 13(3): 220-227.
- (18) Leis KS, McNally JD, Montgomery MR, Rosenberg AM, Sankaran K, **Karunanayake C**. Vitamin D Intake in Young Children with Acute Lower Respiratory Infection. **Chinese Journal of Contemporary Pediatrics-CJCP** March 2012. **Translational Pediatrics** 2012; 1(1): 6-14.
- (19) **Karunanayake CP**, Dosman JA, Spinelli JJ, McLaughlin JR, McDuffie HH, Pahwa P and Cross-Canada Group. Hodgkin Lymphoma and Pesticides Exposure in Men: Results of a Canadian Case-Control Study. **Journal of Agromedicine** 2012, 17:30-39.
- (20) Pahwa P, McLaughlin JR, **Karunanayake CP**, Dosman JA, Spinelli JJ, McDuffie HH, and Cross-Canada Group. Multiple Myeloma and the Pesticide Hypothesis. **Journal of Agromedicine** 2012, 17:40-50.
- (21) Pahwa P, **Karunanayake C**, McCrosky J, Thorpe L. Longitudinal trends in mental health among ethnic groups in Canada. **Chronic Diseases and Injuries in Canada** 2012; 32(3): 164-176.
- (22) Pahwa P, **Karunanayake C**, Hagel L, Janzen B, Rennie D, Lawson J, Pickett W, Dosman JA. Self-Selection Bias in an Epidemiological Study of Respiratory Health of a Rural Population. **Journal of Agromedicine** 2012; 17(3): 316-325.
- (23) Pahwa P, **Karunanayake C**, Willson PJ, Hagel L, Rennie DC, Lawson JA, Dosman JA. Prevalence of Chronic Bronchitis in Farming and Non-Farming Rural Residents in Saskatchewan. **Journal of Occupational and Environmental Medicine** 2012; 54(12):1481-1490.
- (24) Lacny C, Kirk A, Morgan D, **Karunanayake C**. Predictors of cognitive impairment severity at memory clinic presentation. **Canadian Journal of Neurological Sciences** 2012; 39 (6): 774-781.
- (25) Pahwa P, **Karunanayake CP**, Dosman JA. Association between Pulmonary Dysfunction as a Result of Occupational Exposures and Risk of Developing Cancer. **Journal of Occupational and**

**Environmental Medicine** 2012; 54(12):1471-1480.

- (26) Uswak U, Hoover JN, Li KYJ, **Karunanayake C**. A double-blind cross-over study to compare the efficacy of Soladey-J3X toothbrush. **International Journal of Experimental Dental Science**, July-December 2012, 1(2):57-60.
- (27) Pahwa P, **Karunanayake CP**, Hagel L, Janzen B, Pickett W, Rennie D, Senthilselvan A, Lawson J, Kirychuk S, Dosman JA. The Saskatchewan Rural Health Study: An Application of a Population Health Framework to Understand Respiratory Health Outcomes. **BMC Research Notes** 2012, 5:400. [<http://www.biomedcentral.com/1756-0500/5/400>]
- (28) Dyck R, **Karunanayake C**, Pahwa P, Hagel L, Lawson J, Rennie D, Dosman J and on behalf of the Saskatchewan Rural Health Study Group. Rates, Risk Factors and Co-morbidities of Diabetes among adults in Rural Saskatchewan: The influence of farm residence and agriculture-related exposures. **BMC Public Health** 2013, 13:7. doi:10.1186/1471-2458-13-7.
- (29) **Karunanayake CP**, Hagen B, Dosman JA, Pahwa P. Prevalence and Risk Factors of Chronic Bronchitis in a Canadian Population: The Canadian Community Health Survey, 2007-2008. **Canadian Respiratory Journal** 2013; 20(4): 231-236.
- (30) Saleh S, Kirk A, Morgan DG, **Karunanayake C**. Less formal education predicts discontinuation of cholinesterase inhibitors in rural and remote patients with dementia. **Canadian Journal of Neurological Sciences** 2013; 40(5):684-690.
- (31) Alimezelli H, Leis A, **Karunanayake C**, Denis W. Determinants of Self-rated health of Francophone seniors in minority situation in Canada. **Journal of Linguistic Minorities and Society** 2013; 3:144-170.
- (32) Neufeld KM, **Karunanayake CP**, Maenz LY, Rosenberg AM. Stressful Life Events Antedating Chronic Childhood Arthritis. **Journal of Rheumatology** 2013; 40(10): 1756-1765.
- (33) Barry RJ, Pickett W, Rennie DC, Dosman JA, Pahwa P, Hagel L, **Karunanayake C**, Lawson JA. The Role of Farm Operational and Rural Environments as Potential Risk Factors for Pediatric Asthma in Rural Saskatchewan. **Pediatric Pulmonology** 2014; 49(9): 842-851. Article first published online: 25 OCT 2013, DOI: 10.1002/ppul.22903.
- (34) Stewart NJ, Morgan DG, **Karunanayake CP**, Wickenhauser JP, Cammer A, Minish D, O'Connell ME, Hayduk LA. Rural Caregivers for a Family Member With Dementia: Models of Burden and Distress Differ for Women and Men. **Published online** before print January 26, 2014, doi: 10.1177/0733464813517547. **Journal of Applied Gerontology** 2016; 35(2):150-178.
- (35) Rennie DC, **Karunanayake CP**, Chen Y, Nakagawa K, Pahwa P, Senthilselvan A, Dosman JA. 2013. CD14 gene variants and their importance for childhood croup, atopy and asthma. **Disease Markers** 2013; 35 (6): pp. 765-771. <http://www.hindawi.com/journals/dm/2013/434920/>
- (36) Torresysap V, Hoover J, Torresysap M, **Karunanayake C**. Prosthodontic and Periodontal Status and Needs in a Selected Population of Urban Poor in the Philippines: A pilot study. **International Journal of Prosthodontics and Restorative Dentistry** 2013; 3(4): 136-142.
- (37) Gjevre JA, Pahwa P, **Karunanayake CP**, Rennie DC, Lawson J, Hagel L, Dyck R, Dosman JA, and the Saskatchewan Rural Health Study Team. Excessive Daytime Sleepiness amongst Rural Residents in Saskatchewan. **Canadian Respiratory Journal** 2014; 21(4):227-233.

<http://www.ncbi.nlm.nih.gov/pubmed/24791255>

- (38) Morgan D, Kosteniuk J, Stewart N, O'Connell M, **Karunanayake C**, Beever R. The Telehealth Satisfaction Scale (TeSS): Reliability, validity, and satisfaction with telehealth in a rural memory clinic population. **Telemedicine Journal and E-health** 2014; 20(11):997-1003.
- (39) **Karunanayake CP**, Dosman JA, Pahwa P. Non-Hodgkin's Lymphoma and work in Agriculture: results of a two case-control studies in Saskatchewan, Canada. **Indian Journal of Occupational and Environmental Medicine** 2013; 17(3): 114-121.
- (40) Kosteniuk J, Morgan D, O'Connell M, Crossley M, Kirk, A, Stewart N, **Karunanayake C**. Prevalence and covariates of elevated Depressive symptoms in rural memory clinic patients with mild cognitive impairment or dementia. **Dementia and Geriatric Cognitive Disorders Extra** 2014; 4:209-220.
- (41) Chu LM, Rennie DC, Cockcroft DW, Pahwa P, Dosman JA, Hagel L, **Karunanayake CP**, Pickett WL, Lawson JA. Prevalence and determinants of atopy and allergic diseases among school age children in rural Saskatchewan, Canada. **Annals of Allergy, Asthma, and Immunology** 2014; 113(4): 430-439.
- (42) Torresysap V, Hayes A, Hoover J, **Karunanayake, C**. Caries, Oral Health Knowledge, Behavior and Barriers to Care Among a Group of Urban Poor in the Philippines: An overview. **International Journal of Prosthodontics & Restorative Dentistry** 2014; 4(2):39-45.
- (43) Janzen B, **Karunanayake C**, Pahwa P, Dyck R, Rennie D, Lawson J, Pickett W, Bryce R, Hagel L, Zhao G, Dosman J, on behalf of the Saskatchewan Rural Health Study Group. Exploring Diversity in Socioeconomic Inequalities in Health among Rural Dwelling Canadians. **Journal of Rural Health** 2015; Apr; 31(2):186-98. J Rural Health. 2014 Dec 24. doi: 10.1111/jrh.12101. [Epub ahead of print]
- (44) **Karunanayake C**, Rennie D, Hagel L, Lawson J, Janzen B, Pickett W, Dosman J, Pahwa P and the Saskatchewan Rural Health Study Group. Access to Specialist Care in Rural Saskatchewan: The Saskatchewan Rural Health Study. Healthcare Open Access. **Healthcare** 2015, 3, 84-99. doi:10.3390/healthcare3010084.
- (45) Kosteniuk JG, Wilson EC, Penz KL, MacLeod MLP, Stewart NJ, Kulig JC, **Karunanayake CP**, Kilpatrick K. Development and psychometric evaluation of the Primary Health Care Engagement (PHCE) Scale: a pilot survey of rural and remote nurses. **Primary Health Care Research & Development** 2015 Mar 19:1-15. [Epub ahead of print] DOI: <http://dx.doi.org/10.1017/S1463423615000158>.
- (46) Pahwa P, Abonyi S, **Karunanayake C**, Rennie D, Janzen B, Kirychuk S, Lawson J, Katapally T, McMullin K, Seesequasis J, Naytowhow A, Hagel L, Dyck R, Fenton M, Senthilselvan A, Ramsden V, King M, Koehncke N, Marchildon G, McBain L, Smith-Windsor T, Smylie J, Episknew J-A, Dosman JA. A community-based participatory research methodology to address redress and reassess disparities in respiratory health among First Nations. **BMC Research Notes** 2015, 8:199. doi:10.1186/s13104-015-1137-5
- (47) Chu L, Rennie DC, Cockcroft D, Pahwa P, Dosman J, Hagel L, **Karunanayake C**, Lawson J. Agreement between Questionnaire Report of Allergy-related Outcomes in School-age Children and Objective Measures of Atopy: The Saskatchewan Rural Health Study. **Clinical & Experimental Allergy** 2015; 45(8):1337-1345. 2015 Mar 23. doi: 10.1111/cea.12533. [Epub ahead of

print].

- (48) **Karunanayake CP**, Hagel L, Rennie DC, Lawson JA, James A. Dosman JA, Pahwa P, and the Saskatchewan Rural Health Study Group. Prevalence and risk factors of respiratory symptoms in rural population. **Journal of Agromedicine** 2015; 20(3): 310-317. DOI: 10.1080/1059924X.2015.1042613. Special Issue: 7th International Symposium: Safety and Health in Agricultural and Rural Populations – Global Perspectives.
- (49) Rennie DC, Lawson JA, **Karunanayake CP**, Pahwa P, Chen Y, Chu L, Dosman JA, and the Saskatchewan Rural Health Study Group. Farm Exposure and Atopy in Men and Women: The Saskatchewan Rural Health Study. **Journal of Agromedicine** 2015; 20(3):302-309. DOI: 10.1080/1059924X.2015.1042612. Special Issue: 7th International Symposium: Safety and Health in Agricultural and Rural Populations – Global Perspectives.
- (50) Rennie DC, **Karunanayake CP**, Chen Y, Lawson JA, Hagel L, Senthilselvan A, Pahwa P, Dosman JA and the Saskatchewan Rural Cohort Study Group. Early Farm Residency and prevalence of Asthma and Hay Fever in Adults. **Journal of Asthma** 2015; online:1-9. DOI:10.3109/02770903.2015.1058394
- (51) **Karunanayake CP**, Dosman JA, Hagel L, Rennie DC, Lawson JA, Pahwa P, and the Saskatchewan Rural Health Study Group. Reference values of pulmonary function tests for rural Canadians. **International Journal of Respiratory and Pulmonary Medicine. Int J Respir Pulm Med** 2015; 2:021. <http://clinmedjournals.org/articles/ijrpm/ijrpm-2-021.pdf>
- (52) Chen Y, Rennie DC, **Karunanayake CP**, Janzen B, Hagel L, Pickett W, Janzen B, Dyck R, Lawson J, Dosman JA, Pahwa P and the Saskatchewan Rural Health Study Group. Income adequacy and education associated with the prevalence of obesity in rural Saskatchewan. **BMC Public Health** 2015; 15:700. <http://www.biomedcentral.com/1471-2458/15/700>
- (53) Sharma M, Lawson JA, Kanthan R, **Karunanayake C**, Hagel L, Rennie D, Dosman JA, Pahwa P and the Saskatchewan Rural Cohort Study Group. Factors Associated With the Prevalence of Prostate Cancer in Rural Saskatchewan: The Saskatchewan Rural Health Study. **The Journal of Rural Health**. 2016; 32(2): 125-135.
- (54) Morgan DG, Kosteniuk JG, O'Connell ME, Dal Bello-Haas V, Stewart NJ, **Karunanayake C**. Dementia-related work activities among home care aides: Frequency, perceived competence, and continuing education priorities. **Educational Gerontology** 2016; 42(2): 120-135.
- (55) Alimezelli H, Leis A, Denis W, **Karunanayake C**. Lost in Policy Translation: Canadian Minority Francophones and Health Disparities. **Canadian Public Policy** 2015; Vol. 41(Suppl. 2):S44-S52.
- (56) Dyck RF, **Karunanayake C**, Janzen B, Lawson J, Ramsden VR, Rennie DC, Gardipy PJ, McCallum L, Abonyi S, Dosman JA, Episkenew J-A, Pahwa P, and on behalf of the First Nations Lung Health Team. Influence of Racism, Residential Schools and Cultural Disruption on Diabetes Prevalence among First Nations Peoples. **BMC Public Health**. 2015; 15: 1222. doi: [10.1186/s12889-015-2551-2](https://doi.org/10.1186/s12889-015-2551-2)
- (57) Rayner S, Herrick T, Chiesa C, Hoover J, **Karunanayake C**. The Efficacy of 'Oil Pulling' in Gingival Health and Biofilm Accumulation in a group of young adults. A Pilot study. **International Journal of Experimental Dental Science** 2016. July-December 2016; 5(2):1-5

- (58) **Karunanayake CP**, Albritton W, Rennie DC, Lawson JA, McCallum L, Gardipy PJ, Seesequasis J, Naytowhow A, Hagel L, McMullin K, Ramsden V, Abonyi S, Episkenew J-A, Dosman JA, Pahwa P, and the First Nations Lung Health Project Team and the Saskatchewan Rural Health Study Team. Ear infection and Its Associated Risk Factors in First Nations and Rural School-Aged Canadian Children. **International Journal of Pediatrics** 2016; Volume 2016, Article ID 1523897, 10 pages. <http://dx.doi.org/10.1155/2016/1523897>.
- (59) Kosteniuk JG, Morgan DG, O'Connell ME, Kirk A, Crossley M, Stewart NJ, **Karunanayake C**. Trajectories of depressive symptoms in rural memory clinic patients between baseline diagnosis and 1-year follow-up. **Dementia and Geriatric Cognitive Disorders Extra** 2016; 6(2):161-175.
- (60) Oluwole O, Kirychuk SP, Lawson JA, Karunanayake C, Cockcroft DW, Peterson C, Willson PJ, Senthilselvan A, Rennie DC. Indoor mold exposure and current asthma among school-aged children in Saskatchewan, Canada. **Indoor Air** 2016. *Indoor Air*. 2016 Apr 24. doi: 10.1111/ina.12304. [Epub ahead of print]
- (61) Verity R, Kirk A, Morgan D, Karunanayake C. Trends in medication use over eleven years in patients presenting to a rural and remote memory clinic. **Canadian Journal of Neurological Sciences** 2016. doi:10.1017/cjn.2016.281.
- (62) Karunanayake CP, Hildebrand C, Rennie DC, Lawson JA, Hagel L, Dosman JA, Pahwa P and the Saskatchewan Rural Health Study Team. Actual Body Weight and the Parent's Perspective of Child's Body Weight among Rural Canadian Children. **Children** 2016 Aug 4; 3(3): pii: E13. doi: 10.3390/children3030013
- (63) Drew Hager, Andrew Kirk, Debra G. Morgan, Chandima Karunanayake, Megan E. O'Connell. Predictors of cognitive decline in a rural and remote Saskatchewan population with Alzheimer's disease. **American Journal of Alzheimer's Disease & Other Dementias** 2016; Aug 28. Pages 1-7 DOI: 10.1177/1533317516662334. [Epub ahead of print]
- (64) Bonnie Janzen, Chandima Karunanayake, Donna Rennie, William Pickett, Joshua Lawson, Shelley Kirychuk, Louise Hagel, Ambikaipakan Senthilselvan, Niels Koehncke, James Dosman, Punam Pahwa. Gender Differences in the Association of Individual and Contextual Exposures with Lung Function in a Rural Canadian Population. **LUNG** 2016. Pages 1-10. doi:10.1007/s00408-016-9950-8. <http://link.springer.com/article/10.1007%2Fs00408-016-9950-8>

### 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.
- (2) Karunanayake CP, Pahwa P. 2007. Statistical Modeling of Longitudinal Mental Distress among Rural Seniors who participated in the National Population Health Survey. 2007 Proceedings of the American Statistical Association, Health Policy Statistics Section [CD-ROM], Alexandria, VA: American Statistical Association: pages 1494-1501.
- (3) Pahwa P, Karunanayake CP. 2007. Joint Modeling of Longitudinal Binary Outcome and Time to Dropout-An Application using Complex Survey Data. 2007 Proceedings of the American

Statistical Association, Health Policy Statistics Section [CD-ROM], Alexandria, VA: American Statistical Association: pages 3406-3413.

- (4) Karunanayake CP, Pahwa P, McDuffie H. 2006. "Statistical Modelling of Longitudinal Mental Distress among the National Population Health Survey Participants: Missing Data Analysis", 2006 Proceedings of the American Statistical Association, Health Policy Statistics Section [CD-ROM], Alexandria, VA: American Statistical Association: pages 1604-1611.
- (5) Pahwa P, Karunanayake CP, McDuffie H. 2006. "Modelling of Longitudinal Polytomous Outcomes from Complex Survey Data". 2006 Proceedings of the American Statistical Association, Health Policy Statistics Section [CD-ROM], Alexandria, VA: American Statistical Association: pages 3492- 3499.
- (6) Karunanayake CP, Pahwa P, McDuffie H. 2006. Statistical Modelling of Mental Distress among the National Population Health Survey Participants Assessed Longitudinally: Missing Data Analysis. SSC Annual Meeting in Ontario, May 2006, Proceedings of the Survey Methods Section [Available from: [http://www.ssc.ca/survey/SMSProceedings\\_e.html](http://www.ssc.ca/survey/SMSProceedings_e.html)].
- (7) Pahwa P, Karunanayake CP, McDuffie H. 2006. Modelling of Longitudinal Polytomous Outcomes from complex survey Data: Using GEE. SSC Annual Meeting in Ontario, May 2006, Proceedings of the Survey Methods Section [Available from: [http://www.ssc.ca/survey/SMSProceedings\\_e.html](http://www.ssc.ca/survey/SMSProceedings_e.html)].

#### **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 "Life Style Factors Contributing to Obesity among First Nations Children." The 14th Conference of the Canadian Rural Health Research Society (CRHRS): Better Health for Rural Canadians: from Evidence to Practice. September 20th - 22nd, 2015, Edmonton, AB, Canada.
- (4) 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
- (5) Poster presentation on "Assessing the performance of 'Framingham' and 'Score' risk models in predicting cardiovascular mortality in Canada", 2014 Canadian Society for Epidemiology & Biostatistics (CSEB) National Student Conference, May 9 - 10, 2014, McMaster University Hamilton, Ontario.( Ruh Afza, Punam Pahwa, Chandima Karunanayake, Bruce Reeder)
- (6) Poster presentation on "Predictors of rapid cognitive decline in rural patients with Alzheimer's disease", 2013 6th NET summit, Oct 24, 2013, Saskatoon, SK, Canada.( Drew Hager, Andrew Kirk, Debra Morgan, Chandima Karunanayake, and Megan O'Connell)
- (7) Poster presentation on "Psychometric Evaluation of the Telehealth Satisfaction Scale (TeSS)", 2013 6th NET summit, Oct 24, 2013, Saskatoon, SK, Canada.( Debra Morgan, Julie Kosteniuk, Norma Stewart, Chandima Karunanayake, Rob Beever, and Megan O'Connell)
- (8) Oral presentation on "Assessing Airflow Obstruction in a Rural Population: The Saskatchewan Rural Health Study" at the Canadian Centre for Health and Safety in Agriculture (CCHSA) weekly seminar Series, March 5, 2013, University of Saskatchewan Saskatoon, Canada.
- (9) Poster presentation on "Non-Hodgkin's Lymphoma and work in Agriculture: results of a two case-control studies in Saskatchewan, Canada", The 12th Annual Saskatchewan Cancer Research Day, December 13, 2012, Saskatoon, SK, Canada. (Chandima P. Karunanayake, James A. Dosman, Punam Pahwa)
- (10) Poster presentation on "Prevalence and associated risk factors of prostate cancer among rural men of farm and non-farm dwellers: the Saskatchewan Rural Health Study", The 12th Annual Saskatchewan Cancer Research Day, December 13, 2012, Saskatoon, SK, Canada. (Meenu Rai, Josh Lawson, Chandima Karunanayake, Rani Kanthan, James Dosman, Punam Pahwa)
- (11) Poster presentation on "Less formal education predicts cholinesterase inhibitor discontinuation in rural and remote patients with dementia", 2012 5th NET summit, Nov 15, 2012, Saskatoon, SK, Canada.(Solin Saleh, Andrew Kirk, Debra Morgan, Chandima Karunanayake)
- (12) Oral presentation on "Saskatchewan Rural Health Study (SRHS)" at the Canadian Centre for Health and Safety in Agriculture (CCHSA) weekly seminar Series, April 3, 2012, University of Saskatchewan Saskatoon, Canada.
- (13) Oral Presentation-Karunanayake CP, Rennie DC, Pahwa P, Chen Y, Dosman JA. Relationship between lung function and hypertension among rural Canadians using fractional polynomials. An international conference of Statistical Concepts and Methods for the Modern World, 28-30 December 2011, Colombo, Sri Lanka.
- (14) Poster presentation-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.

- (15) Poster presentation -Catherine Lacny, Andrew Kirk, Debra G. Morgan, Chandima Karunanayake. Patient Variable Predictors of Cognitive Impairment Severity at Memory Clinic presentation, Biomed Student Poster Presentation, College of Medicine, University of Saskatchewan, Oct 14, 2011.-2nd Prize.
- (16) Poster presentation -Catherine Lacny, Andrew Kirk, Debra G. Morgan, Chandima Karunanayake. "Patient Variable Predictors of Cognitive Impairment Severity at Memory Clinic Presentation, Knowledge Network in Rural and Remote Dementia Care, 4th Annual Summit, Saskatoon, Canada, Oct 27, 2011. -1st Prize - Pfizer funding
- (17) Karunanayake CP, Pahwa P, Thorpe L. Association between mental distress and smoking, physical activity and consumption of fruits and vegetables. Department of Community Health and Epidemiology 990 Seminar, University of Saskatchewan, Feb 7, 2011, Saskatoon, Canada.
- (18) Poster presentation on "Rural and Remote Memory Clinic- Data Team", 2010 3rd NET summit, Oct 28, 2010, Saskatoon, SK, Canada.
- (19) Poster presentation on "Prevalence of High Epworth Sleepiness Scale in a Rural Population", Canadian Rural Health Research Society 9th Conference: Rural Health: Connecting Research and Policy, Fredericton, NB, Canada, September 23-25, 2010.
- (20) Presentation on "Rural and Remote Memory Clinic Data Release 4 Update", Net Retreat, Sep 10, 2010, Wanuskewin, Saskatoon, SK.
- (21) Poster presentation on "Relationship between lung function and hypertension among rural Canadians using fractional polynomials", Statistical Society of Canada (SSC) 2010, May 25, 2010, Quebec City, QC, Canada.
- (22) Poster presentation on "Knowledge Transfer and Capacity Building Activities of the Rural and Remote Memory Clinic", 2009 NET summit, Oct 29, 2009, Saskatoon, SK, Canada.
- (23) Poster presentation on "Scales used in the Rural and Remote Memory Clinic", 2009 2nd NET summit, Oct 29, 2009, Saskatoon, SK, Canada.
- (24) Poster presentation on "Gender and Generational Differences in Distress and Health of Caregivers prior to a Family Member's Dementia Diagnosis", Spotlight on Research: Alzheimer's Disease and Related Dementias, Alzheimer's Society Saskatchewan, Sep 29, 2009, Saskatoon, SK, Canada.
- (25) Poster presentation on "The Role of a Data Analyst and Biostatistician in an Interprofessional Research Program", 2008 NET summit, Nov 20-21, 2008, Saskatoon, SK.
- (26) Poster presentation on "Predictors of Longitudinal Respiratory Symptoms in a Rural Population: The Humboldt Study", 2008 CIHR-ICRH Young Investigators (YI) Forum, May 8 - 11, 2008, Montreal, Quebec.
- (27) Oral presentation on Effects of Smoking, Nervous System Drugs and Health Care Needs on Longitudinal Mental Distress among Rural Seniors at the Saskatchewan Epidemiology

Association, SEA Symposium, October 11, 2007, Regina, SK, Canada.

- (28) Oral presentation on Effects of Smoking, Nervous System Drugs and Health Care Needs on Longitudinal Mental Distress among Rural Seniors at the Canadian Centre for Health and Safety in Agriculture (CCHSA) weekly seminar Series, September 25, 2007, University of Saskatchewan Saskatoon, Canada.
- (29) Oral presentation on Statistical Modeling of Longitudinal Mental Distress among Rural Seniors who participated in the National Population Health Survey at the American Statistical Association, Joint Statistical Meetings, July 29-August 2, 2007, Salt Lake City, Utah, USA.
- (30) Oral presentation on Multivariate Poisson Hidden Markov Models for Analysis of Spatial Counts at the Canadian Centre for Health and Safety in Agriculture weekly seminar Series, University of Saskatchewan, June 5, 2007.
- (31) Oral presentation on Multiple Myeloma (MM) and Pesticides hypothesis. Seventh National Conference of the Canadian Rural Health Research Society, October 19-21, 2006, Prince George, British Columbia, Canada.
- (32) Oral presentation on "Statistical Modelling of Longitudinal Mental Distress among the National Population Health Survey Participants: Missing Data Analysis" at the American Statistical Association, Joint Statistical Meetings, August 6-10, 2006, Seattle, Washington, USA.
- (33) A poster presentation on "Application of Multivariate Poisson Finite Mixture and Markov-Dependent Finite Mixture Models for Analysis of Weed Counts", 33rd Annual Meeting of Statistical Society of Canada, SSC Conference, June 12th to 15th, 2005, University of Saskatchewan, Saskatoon, Canada.
- (34) A Poster presentation on "Application of Multivariate Poisson Models for Analysis of Weed Counts", 12th Annual Life Science and Health Research Conference, March 17th & 18th, 2005, University of Saskatchewan, Saskatoon, Canada.
- (35) Oral presentation on "Introduction to Hidden Markov Models and Hidden Markov Random Fields" at Seminar on Probability and Statistics, Department of Mathematics and Statistics, University of Saskatchewan, on December 1, 2004.

#### **Abstracts (Published)**

- (1) 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.
- (2) 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.
- (3) 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.

- (4) 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.
- (5) 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.
- (6) 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.
- (7) Jeremy Seesequasis, 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.
- (8) 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.
- (9) 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.
- (10) 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 (CRHRS): Better Health for Rural Canadians: from Evidence to Practice. September 20th - 22nd, 2015, Edmonton, AB, Canada.
- (11) Kathleen McMullin, V. Ramsden, J. Gardipy, L. McCallum, C. Karunanayake, B. Janzen, J. Lawson, D. Rennie, S. Abonyi, J. Dosman, J.A. Episkenew, P. Pahwa Community Reflections on Addressing Environmental Challenges in Two First Nations. The 14th Conference of the Canadian Rural Health Research Society (CRHRS): Better Health for Rural Canadians: from Evidence to Practice. September 20th - 22nd, 2015, Edmonton, AB, Canada.
- (12) 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 (CRHRS): Better Health for Rural Canadians: from Evidence to Practice. September 20th - 22nd, 2015, Edmonton, AB, Canada.

- (13) 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 (CRHRS): Better Health for Rural Canadians: from Evidence to Practice. September 20th - 22nd, 2015, Edmonton, AB, Canada.
- (14) 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.
- (15) 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.
- (16) 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.
- (17) 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.
- (18) 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.
- (19) 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.
- (20) 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.
- (21) 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.
- (22) 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.

- (23) 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.
- (24) 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.
- (25) 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.
- (26) 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.
- (27) 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
- (28) 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
- (29) 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
- (30) 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
- (31) 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

- (32) 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
- (33) 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
- (34) 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
- (35) 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
- (36) 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
- (37) 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 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
- (38) Sylvia Abonyi, Chandima Karunanayake, Donna Rennie, Kathleen McMullin, Jeremy Seesequasis, 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
- (39) Mohsen Soltanifar, Mark Fenton, Chandima Karunanayake, Jeremy Seesequasis, 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

- (40) 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
- (41) 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
- (42) 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
- (43) 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
- (44) 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
- (45) 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
- (46) Punam Pahwa, Chandima Karunanayake, Josh Lawson, Donna Rennie, Kathleen McMullin, Jeremy Seeseequasis, 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
- (47) 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

- (48) 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
- (49) 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
- (50) 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
- (51) 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.
- (52) 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
- (53) 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.
- (54) 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.

- (55) 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.
- (56) 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.
- (57) 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.
- (58) 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.
- (59) 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
- (60) Chu LM, Rennie DC, Cockcroft DW, Pahwa P, Dosman JA, Hagel L, Karunanayake C, Lawson JA. Do farming exposures protect school age children from hay fever and atopy?. *ATS International Conference 2014, San Diego, USA, May 16-21, 2014. Am J Respir Crit Care Med* 189; 2014:A1802. First published online May 01, 2014 as doi:10.1164/ajrccm-conference.2014.189.1\_MeetingAbstracts.A1802
- (61) Tarun Katapally, Jo-Ann Episkenew, Chandima Karunanayake, Sylvia Abonyi, James Dosman, Punam Pahwa and First Nations Lung Health Research Team. Upstream interventions to reduce risk of obstructive sleep apnea in First Nations: generating evidence to break the chain of association between physical activity, weight status and risk of obstructive sleep apnea. *Canadian Society for Epidemiology and Biostatistics (CSEB) National Student Conference, May 9-10, 2014, in Hamilton, Ontario, Canada.*
- (62) Alimezelli H, Leis A, Backman A, Denis W, Karunanayake C. "Disparities, Health Services Policies, and Minority Francophone Older Adults in Canada". The QICSS/CIQSS 2014 Conference Social policy and health inequalities: An international perspective. Session: Policies, Policy Regimes, and Health Disparities among Minority Francophone Older Adults in Canada. Montreal, Quebec, Canada. May 7-9, 2014
- (63) Donna C. Rennie, Louise Hagel, Chandima Karunanayake, James A. Dosman, Josh A. Lawson, William Pickett, Punam Pahwa. Access to Health Care and the Respiratory Health of Households Members in Rural Saskatchewan: The Saskatchewan Rural Health Study. *Canadian Respiratory Conference 2014, April 24 - 26, 2014, Calgary, Alberta, Canada. Can Respir J* 2014; 21(2):e27.

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