Manuscript (Published) - Peer-reviewed Journals


(95) Olivia Robertson, Andrew Kirk, Chandima Karunanayake, Debra Morgan, Megan E O’Connell. Women and Men Presenting to a Rural and Remote Memory Clinic in Saskatchewan, Canada Show Similar Cognitive Findings for Dementia. Alzheimer Disease & Associated Disorders 2019 Apr 4. doi: 10.1097/WAD.0000000000000307

(96) Kosteniuk, Julie; Stewart, Norma; Erin C Wilson; Penz, Kelly; Ruth Martin-Misener; Morgan, Debra; Karunanayake, Chandima; Martha LP MacLeod. Communication tools and sources of education and information: a national survey of rural and remote nurses. Journal of the Medical Library Association 2019; 107(4): 538-554. October 2019


Fact Sheets

Conference proceedings


Non-referred Contributions


PRESENTATIONS AT THE NATIONAL AND INTERNATIONAL SCIENTIFIC CONFERENCES
Invited Presentations


Recent Presentations


(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 Kostieniuk, 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.


(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.


(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.


(20) Presentation on “Rural and Remote Memory Clinic Data Release 4 Update”, Net Retreat, Sep 10,
2010, Wanuskewin, Saskatoon, SK.


(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.


(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.


(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 to15th, 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.


Abstracts (Published)

Addressing Disparities in Sleep Health among First Nations People. The Community Health & Epidemiology 60th Anniversary, College of Medicine, University of Saskatchewan, Saskatoon, Canada. October 26, 2019. Poster presentation.


(9) 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.


(13) 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


(15) 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) 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


(22) 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

(23) 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


(25) 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.


(27) 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


(34) 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.


(54) 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.


(56) 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 Conditions and Respiratory Outcomes in two Saskatchewan First Nations Communities. The Indigenous Health Conference: Challenging Health Inequities, November 20-21, 2014, Toronto, Ontario, Canada.


(60) 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

(61) 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

(62) 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

(63) 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


(70) Kirychuk Shelley, Rennie Donna, Karunanayake Chandima, Lawson Joshua, Russell Eric, Seeseequasis Jeremy, Gamble Everett, Bird Daisy, Naytowhow Arnold, Pahwa Punam, Abonyi


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


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


(89) Donna C Rennie, James A Dosman, Chandima Karunanayake, Josh Lawson, Brooke Russell, Sarah Warkentin, Kathleen McMullin, Jeremy Seeseequasis, Arnold Naytowhow, Jo-Ann


(106) Kate M. Neufeld, Chandima P. Karunanayake, Lynn Y. Maenz, Alan M. Rosenberg. Stressful Life Events Antedating Chronic Childhood Arthritis. Child Health research Trainee Day, April 11th, 2013, University of Saskatchewan, Saskatoon, SK, Canada.

(107) Elham Rezaei, Chandima Karunanayake, Alan Rosenberg. Biology Based Approach to Evaluate Current Classification Criteria for Juvenile Idiopathic Arthritis (JIA). Child Health research Trainee Day, April 11th, 2013, University of Saskatchewan, Saskatoon, SK, Canada.


(113) Kirychuk S, Owusu-Kyem A, Pahwa P, Karunanayake C, Koehncke N, Rennie D. Hearing and
Lung Health: Results of an Occupational Health Surveillance Program for Saskatchewan Swine Workers. 11th Canadian Rural Health Research Society Conference, October 25-27, 2012, Lévis, Quebec, Canada.

(114)Joshua Lawson, Shelley Kirychuk, Rhonda Bryce, Punam Pahwa, Chandima Karunanayake, Louise Hagel, Donna Carole Rennie, James Dosman, On behalf of the Saskatchewan Rural Health Study (SRHS) Research Group. Shortness of breath associated with chronic conditions among those with and without asthma or COPD. European Respiratory Society Annual Congress, Sep 1-5, 2012, Vienna, Austria.


(125)Roland Dyck, Chandima P Karunanayake, Punam Pahwa, Louise Hegal, Joshua Lawson, James


Morgan D, Stewart N, Crossley M, Cammer A, D’Arcy C, Forbes D, Karunanayake C. Nursing aide reports of physical assault by long-term care residents with dementia: theoretical and methodological implications. The Gerontological Society of America (GSA), November 19-23,


Neufeld K, Karunanayake C, Maenz L, Rosenberg A. Prenatal Exposures and Maternal Illness or Rash Associated with Juvenile Idiopathic Arthritis (JIA). The Pediatric Trainee Research Day Symposium, University of Saskatchewan, April 15, 2010, Saskatoon, Canada.


Neufeld K, Karunanayake C, Maenz L, Rosenberg A. Psychosocial Stress as a Determinant of Chronic Juvenile Arthritis. The Pediatric Trainee Research Day Symposium, University of Saskatchewan, April 15, 2010, Saskatoon, Canada.


Neufeld K, Karunanayake C, Maenz L, Rosenberg A. Prenatal Exposures and Maternal Illness or Rash Associated with Juvenile Idiopathic Arthritis (JIA). The Pediatric Trainee Research Day Symposium, University of Saskatchewan, April 15, 2010, Saskatoon, Canada.


33rd Annual Meeting of Statistical Society of Canada, University of Saskatchewan, Saskatoon, June 12th to 15th, 2005.