Manuscript (Published) -Peer-reviewed Journals


(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)


(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.


Conference proceedings


Non-referred Contributions


PRESENTATIONS AT THE NATIONAL AND INTERNATIONAL SCIENTIFIC CONFERENCES
Invited Presentations


Recent Presentations

(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

(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.


(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
(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 3nd 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 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.


Abstracts (Published)


(2) 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.


(12) 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.


(22) 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.


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

(26) 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) 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

(30) 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

(31) 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


(33) Kirychuk, Shelley, Dwernychuk Lynn, Owusu-Kyem Akwasi, Koehncke Niels, Karunanayake


(43) 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) 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


(66) Debra Morgan, Julie Kosteniuk, Norma Stewart, Chandima Karunanayake. Validity and Reliability of the Rural and Remote Memory Clinic Telehealth Satisfaction Questionnaire. The


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.

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.


Meenu Rai, Louise Hagel, Chandima Karunanayake, Punam Pahwa, Josh Lawson, Donna C Rennie, James A Dosman. Saskatchewan Rural Health Study: Knowledge translation in
respiratory illnesses. 11th Canadian Rural Health Research Society Conference, October 25-27, 2012, Lévis, Quebec, Canada.


(81) 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.


(84) Hubert Alimezelli, Anne Leis, Chandima Karunanayake, Wilfrid Denis. Self-rated Health: comparing Official Language Minority seniors with their counterparts in the General Canadian Population. Canadian Society for Epidemiology and Biostatistics 2012 CSEB National Student Conference: May 13-14, 2012 in Saskatoon, SK.


(98) Kirk A, Lacny C, Morgan DG, Karunanayake C. Neither Day Length Nor Outdoor Temperature Extremes Affect Cognitive Performance In Rural And Remote Memory Clinic Patients. The 4th Pacific Rim Meeting, held in conjunction with the International Neuropsychological Society (INS) and the Australian Society for the Study of Brain Impairment (ASSBI), July 6-9, 2011 in Auckland, New Zealand.


(110) Uswak G, Hoover JN, Lee JH, Li KYJ, Karunanayake C, Komiyama K. A double-blind cross-over study to compare the efficacy of a titanium dioxide semiconductor toothbrush. Hong Kong International Dental Expo and Symposium, Hong Kong Dental Association, June 18-20, 2010, Wanchai, Hong Kong.


(112) 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.


(114) 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.


Pahwa P, Karunanayake CP, McDuffie HH, Dosman JA, and Cross-Canada Group. 2007. The role of ethnicity as a risk factor for Hodgkin’s Disease. Canadian Society for Epidemiology and


