

Program at a Glance

Sixth International Symposium:

Public Health and the Agricultural Rural Ecosystem – PHARE

• *What we breathe* • *What we eat and drink* • *How we work* • *How we live*

October 19-23, 2008

The Program Committee reserves the right to change the contents
of this Program without prior announcement.

Special Conference Associated Events

Saturday, October 18

09:00-16:30	Pre-Conference Workshop I – <i>General Approaches for Longitudinal Data Analysis</i>	Rooms 110A and 217 Arts Building University of Saskatchewan
17:00-21:00	Registration – 6th International Symposium	Mezzanine Floor Foyer Delta Bessborough Hotel

Sunday, October 19

14:00-16:00	Canadian Rural Health Research Society (CRHRS) Workshop – <i>HL-21 (A), Challenges, Sustainability, and Rural Mental Health</i> – <i>HL-21 (B), Palliative and End-of Life Issues in Rural Communities</i>	Delta Bessborough Hotel Battleford Room Terrace Lounge
18:00-21:00	Welcome Reception	East Room Sheraton Cavalier Hotel

Monday, October 20

10:00-16:00	Agricultural Stakeholders' (Farmers) Day	Battleford Room Delta Bessborough Hotel
16:00-18:00	CCHSA Board of Directors Meeting	TBA TCU Place, 35-22 nd Street East,
18:00-21:00	Gala Dinner	Grand Salon TCU Place

Tuesday, October 21

10:00-16:00	Rural Nursing Mini Symposium CCHSA and College of Nursing, University of Saskatchewan	Battleford Room Delta Bessborough Hotel
10:00-12:00	– <i>HL-11, Part 1: Policy and Practice in Rural Nursing</i>	
14:00-16:00	– <i>HL-11, Part 2: International Perspectives in Rural Nursing</i>	
12:00-13:00	Lunch and Networking Opportunity	Centre Room Sheraton Cavalier Hotel
12:00-15:30	CAISP Meeting	Cavalier Room Sheraton Cavalier Hotel
17:00-19:30	Poster Viewing Session – Wine & Cheese Reception	South West Room Sheraton Cavalier Hotel

Wednesday, October 22

10:00-16:00	Public Health and the Agricultural Rural Ecosystem – Training Program Session	Battleford Room Delta Bessborough Hotel
16:30-20:30	CIHR-CCHSA Centre for Research Development Grant Reception and Dinner Meeting for the Scientific Network – <i>Moving Forward: Recommendations for Pursuing the Canadian “Research to Practice” Initiative</i> (by Special Invitation)	Salon Batoche Delta Bessborough Hotel

Thursday, October 23

08:30-17:00	Saskatchewan Injury Group Meeting	Kelsey Room Delta Bessborough Hotel
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Saturday, October 18

Time	Session ID	Location
08:00-09:00	Registration – <i>Pre-Conference Workshop</i> (only)	<i>Rooms 110A and 217 Arts Building</i> University of Saskatchewan
09:00-16:30	Pre-Conference Workshop <i>General Approaches for Longitudinal Data Analysis</i> – Dr. Punam Pahwa, CCHSA, University of Saskatchewan, Canada – Dr. Ambikaipakan Senthilselvan, CCHSA, University of Alberta, Canada	
17:00-21:00	Registration – <i>6th International Symposium</i>	<i>Mezzanine Floor Foyer</i> Delta Bessborough Hotel

Sunday, October 19

07:30-16:30	Registration – Convention Floor Foyer , Delta Bessborough Hotel
09:00-12:30	Plenary Session <i>Adam Ballroom</i> , Delta Bessborough Hotel Chair: Donna Rennie
09:00-09:15	Welcome – Dr. John Gordon , Director, Canadian Centre for Health and Safety in Agriculture (CCHSA), University of Saskatchewan, Canada
09:15-10:00	Plenary Speaker – Dr. Brian Kelly , Centre for Rural and Remote Mental Health, University of Newcastle, Australia “ Addressing Rural Mental Health Needs: An Australian Perspective ”
10:00-10:45	Plenary Speaker – Dr. David Schwartz , National Jewish Medical and Research Centre, USA “ Endotoxin and the Lung ”
10:45-11:00	Coffee – on the run
11:00-11:45	Plenary Speaker – Dr. James Merchant , College of Public Health, University of Iowa, USA “ Keokuk County Study of Agricultural Health ”
11:45-12:30	Plenary Speaker – Dr. Wolfgang Köster , Vaccine and Infectious Diseases Organization, University of Saskatchewan, Canada “ Water Contamination and Human Health ”
12:30-14:00	Lunch – Convention Floor Foyer , Delta Bessborough Hotel
14:00-16:00	Concurrent Sessions
14:00-16:00	HL-4, Population Based Rural Health Studies Co-Chairs: James Merchant and Judy Guernsey <i>Pascoe Room</i> , Delta Bessborough Hotel
	1512 – Respiratory Function and Farming Exposures in a Rural US Cohort. James Merchant, Kevin Kelly
	1513 – Trends in Prevalence of COPD, Asthma and Chronic Bronchitis from 1983-2003 in Rural Population: Humboldt Study. Chandima Karunanayake
	1445 – Challenges of Conducting a Large Rural Prospective Population-Based Study: The Keokuk County Rural Health Study. Ann Stromquist
	1511 – Health Status and Socio-economic Differentiation within a Rural US Cohort. Kevin Kelly
	1710e – Implementing a Prospective Longitudinal Study of Rural Atlantic Canadians. Judy Guernsey
14:00-16:00	HL-5, Stress and Psychiatric Issues in Farming and Rural Life Chair: Cheryl Beseler <i>Batoche Room</i> , Delta Bessborough Hotel
	1530 – Stress and Psychiatric Illness in Farming and Rural Life. Cheryl Beseler
	1201 – Behavioral Health Supports for Agricultural People. Michael Rosmann
	1560 – A Community-Based Study of Depression in Married Women of Astore Valley. Ambreen Khan, Sheikh Rehan
	1628 – Models of Mental Health Care Delivery in Northern Ontario - A Survey of Psychiatric Outreach Consultants. Jill Sherman

Sunday, October 19

14:00-16:00	<p><i>HL-21 (A), Challenges, Sustainability, and Rural Mental Health</i> Canadian Rural Health Research Society (CRHRS) Chair: Deatra Walsh <i>Battleford Room</i>, Delta Bessborough Hotel</p>
	1459 – Relationships between Income Inequality and Health: A Study on Canadian Public Health Units. Afshin Vafaei
	1492 – Reaching the Remote: Successfully Grappling with Location, Environment, Behaviours, Attitudes and Outcomes. Susan Brumby
	1509 – Prevalence of and Risk Factors for Lifetime Suicide Attempts among Rural Population in Northern Areas of Pakistan. Bano Zohra, Syed Shah
	1516 – Mental Health and Illness Trends in Rural Canada. Mary-Pat Dressler
	1521 – Diagnosing and Treating Patients with Mood and Anxiety Disorders in Rural Family Practice (with Urban Comparisons). Julie Kosteniuk
	1542 – The Impact of Prion Diseases on Farm Family Health: Implications for Risk Management and Population Health. Wilfreda Thurston
14:00-16:00	<p><i>HL-21 (B), Palliative and End-of-Life Issues in Rural Communities</i> Canadian Rural Health Research Society (CRHRS) Chair: Dana Edge <i>Terrace Lounge</i>, Delta Bessborough Hotel</p>
	1420 – Best Practices and Barriers: Exploring Significant Transitions for Older Palliative Patients and their Families from the Perspective of Rural Palliative Health Care Providers. Kelly Penz
	1467 – Informing Seamless Planning in Palliative and End-of-Life Care Policy Development Across Canada’s Rural Provinces: What Can We Learn from Provincial Comparisons? Allison Williams
	1472 – Doing Our Best with What We Have: Providing Palliative Nursing Care in Rural Saskatchewan. Donna Goodridge
	1507 – Research use in Practice: Findings from Rural Physicians, Nurses, and Social Workers. Dana Edge
	1594 – Palliative Care in Rural Canada: Validating a Community Capacity Development Model. Lily DeMiglio
	1654 – Priorities and Strategies for Supporting Volunteers and Informal Caregivers in Rural Ontario: Results from a Participatory Study with Hospice Peterborough. Ann MacLeod
14:00-16:00	<p><i>HW-25, The United States Agricultural Health Study</i> Chair: Michael Alavanja <i>Adam Ballroom</i>, Delta Bessborough Hotel</p>
	1707e – Introduction to the Agricultural Health Study. Michael Alavanja
	1419 – Cancer Risks Associated with Pesticides: Highlights from the Agricultural Health Study. Michael Alavanja
	1657 – Investigation of Adult Chronic Disease in the Agricultural Health Study Cohort: Respiratory Disease as an Example. Jane Hoppin
	1510 – Fine-Tuning Efforts to Identify Agricultural Pesticide Exposures Reported to Poison Control Centers: Process and Early Results. Phyllis Bryden, Robert McKnight
	1520 – Atrazine Levels inside Rural Iowa Farm Homes. Wayne Sanderson

Sunday, October 19

14:00-17:30	WB-2, "State of the Art" on Endotoxin Exposure and Human Health Co-Chairs: David Schwartz and A. Senthilselvan <i>Starlight Room, Sheraton Cavalier Hotel</i>
14:00-14:15	1711e – Innate Immunity and the Human Response to Endotoxin. David Schwartz
14:15-14:30	1684 – Reduced Respiratory Response in TLR4 Variants at High Endotoxin Exposure. A. Senthilselvan
14:30-14:45	1672 – Levels of Endotoxin and Dust at Respirable and Non-respirable Particle Sizes are not Consistent between Cage and Floor-housed Poultry Operations. Shelley Kirychuk
14:45-15:00	1409 – Endotoxin Exposure and Respiratory Outcomes among Dairy, Cattle Feedlot, and Grain Elevator Workers in Colorado and Nebraska. Stephen Reynolds
15:00-15:15	Coffee – on the run
15:15-15:30	1712e – Microbial Bioaerosols Exposure in Agricultural Settings: What is really there? Caroline Duchaine
15:30-15:45	1690 – Gender Differences in the Association between Endotoxin and Tobacco Smoke Exposure Related to Respiratory Outcomes among Children. Josh Lawson
15:45-16:00	1699 – Associations between TLR4 299 Variant Polymorphisms and Wheeze/Asthma in a General Population. Donna Rennie, Punam Pahwa
16:00-16:15	1443 – The Innate Immune Response in Farmers. Torben Sigsgaard
16:15-16:30	1698 – Endotoxin Responsiveness Candidate Genes: The Rationale for Choosing Them. Ivana Yang
16:30-16:45	1634 – Effect of Genetic Variants and Gender on Serum TNF-Alpha as a Result of High-Dose Endotoxin Exposure. Philip Willson
16:45-17:00	1691 – Atopy is Protective of Symptoms in Females. James Dosman
17:00-17:15	1685 – Characterizing the Bioactive Components in Swine Barn Organic Dusts. John Gordon
17:15-17:30	1664 – Future Direction in Organic Dust and Lung Function. Yvon Cormier
15:00-15:15	Coffee – on the run
18:00-21:00	Welcome Reception – East Room, Sheraton Cavalier Hotel Chair: Debra Morgan
	Greetings – Dr. John Gordon , Director, Canadian Centre for Health and Safety in Agriculture (CCHSA), University of Saskatchewan, Canada – Dr. George Conway , Director, Agriculture, Forestry and Fishing Program, NIOSH – Dr. Judith Kulig , Canadian Rural Health Research Society (CRHRS) – Bruce Johnson , Chair, Canadian Agricultural Safety Association (CASA)

Monday, October 20 – Morning

07:30-16:30	Registration – Convention Floor Foyer , Delta Bessborough Hotel
09:00-09:45	Morning Plenary Session Chair: Niels Koehncke <i>Adam Ballroom</i> , Delta Bessborough Hotel
09:00-09:20	Opening Address – Dr. George Conway , Director, Agriculture, Forestry and Fishing Program, National Institutes for Occupational Safety and Health (NIOSH)
09:20-09:40	Plenary Speaker – Bruce Johnson , Executive Director, Farm and Ranch Safety and Health Association (FARSHA) “ <i>Agricultural Safety and Health: Knowledge Translation for Farmers</i> ”
9:45-10:00	Coffee – on the run
10:00-12:00	Concurrent Sessions
10:00-12:00	HL-14, Health Issues for First Nation People in Rural Reserves Co-Chairs: Lalita Bharawaj and Lewis Williams <i>Kelsey/Saskatchewan Room</i> , Delta Bessborough Hotel
	1142 – Aboriginal Cancer Research in Northeastern Ontario: Go to the People. Nancy Lightfoot
	1404 – Planning Without Facts: Ontario’s Aboriginal Health Information Challenge. Bruce Minore
	1451 – Aboriginal Health Learning in the Cultivated and Forest Gardens: Building a Sustainable and Nutritious Food System. Mirella Stroink, Joseph LeBlanc
	1529 – Preventing Type 2 Diabetes and Obesity in Métis Youth Through a Community-Based Health Enhancing School Program. Sarah Oosman
	1554 – Fish Camps and the Path to Certainty: An Examination of Cultural Continuity in a Modern Day Land Claim Agreement. Anne Mease
10:00-12:00	HW-7, Pesticides and Health Chair: Kristen Borré <i>Terrace Lounge</i> , Delta Bessborough Hotel
	1522 – Healthy Workplace, Healthy Home: Reducing the Risk of Pesticide Exposure for Agricultural Workers and their Families. Kristen Borré
	1547 – North Carolina Acute Pesticide Illness and Injury Surveillance Program: A Work in Progress. Sheila Higgins
	1561 – Pesticide Safety Training: What’s the Big Picture? How are we doing? What are we missing? Julia Storm
	1566 – Pesticide Surveillance and Prevention Skills of Staff in Eastern North Carolina Health Departments. Sheila Higgins
	Discussion: Role of Partnerships

Monday, October 20 – Morning

10:00-12:00	<p><i>HW-14, The Saskatchewan Farm Injury Cohort Study</i> Co-Chairs: Will Pickett and Louise Hagel <i>Adam Ballroom</i>, Delta Bessborough Hotel</p>
	1359 – Saskatchewan Farm Injury Cohort Study 1: Rationale and Methodology. William Pickett
	1360 – Saskatchewan Farm Injury Cohort Study 2: Prevention of Agricultural Injuries and the Need for Application of the Full Public Health Model. Louise Hagel
	1361 – Saskatchewan Farm Injury Cohort Study 3: Application of Novel Communication Technologies to the Study of Farm Families - A Randomized Controlled Trial. Lesley Day
	1368 – Saskatchewan Farm Injury Cohort Study 4: The Relationship between Fatigue-Related Factors and Injuries. Rebecca Lilley
	1369 – Saskatchewan Farm Injury Cohort Study 5: Farm Work Exposure of Older Male Farmers in Saskatchewan. Don Voaklander
	1629 – Machinery-related Factors as Determinants of Traumatic Injury on Saskatchewan Farms. Gopinath Narasimhan
10:00-12:00	<p><i>HW-17 Agricultural Stakeholders' (Farmers) Day</i> CCHSA Rural Health Extension Program Co-Chairs: Kendra Ulmer and Marcel Hacault <i>Battleford Room</i>, Delta Bessborough Hotel</p>
	1214 – Canadian Agricultural Producer Attitudes towards Agricultural Health and Safety. Tanis Goski
	– Low Stress Cattle Handling. Reg Steward
10:00-12:00	<p><i>WB-5 Health Issues in Rural Children</i> Co-Chairs: Joshua Lawson and Donna Rennie <i>Batoche Room</i>, Delta Bessborough Hotel</p>
	1169 – Early-Life Factors Associated with Incidence of Physician-Diagnosed Asthma and Wheezing in Preschool Children. William Midodzi
	1417 – Farming Activities and Respiratory Health in School-age Children. Pamela Farthing
	1466 – The Relationship between Rural Adolescents' Risk Behaviors and Mental Health and the Risk Behaviors and Mental Health of Their Parents. Ann Stromquist
	1627 – Underdiagnosis of Childhood Asthma in Upper Silesia, Poland. Jan Zejda
	1633 – The Meaning of Health in Rural School-age Children: A Mixed Methods Approach. Hope Bilinski
	1636 – Associations between the Environment and Indicators of Asthma Severity among a Primarily Rural-dwelling Population of Children and Adolescents. Joshua Lawson
10:00-12:00	<p><i>WED-4 Manure Management</i> Co-Chairs: Paul Gunderson and Stéphane Lemay <i>Pascoe Room</i>, Delta Bessborough Hotel</p>
	1708e – The Nitrogen Cycle and Implications for Agricultural Equipment Design. Paul Gunderson
	1550 – Swine Production Impact on Ambient Air, Odour, and Public Health. Stéphane Lemay
	1686 – Watershed Evaluation of Beneficial Management Practices for Cattle and Manure management to Protect Water Quality and Human Health. Jim Miller
	1713e – Impact of Manure Handling System on Indoor Air Quality and Working Environment in Livestock Facilities. Bernardo Predicala
	Panel Discussion: <i>Livestock Production and Waste Management</i>
12:00-13:00	Lunch – <i>Convention Floor Foyer</i> , Delta Bessborough Hotel

Monday, October 20 – Afternoon

	Afternoon Plenary Session Chair: Louise Hagel <i>Adam Ballroom, Delta Bessborough Hotel</i>
13:00-13:45	Plenary Speakers – Dr. William Pickett , Queen’s University, Canada and – Dr. Barbara Marlenga , National Children's Center for Rural and Agricultural Health and Safety, Marshfield Clinic, USA <i>“Children and the Agricultural Work Environment”</i>
14:00-16:00	Concurrent Sessions
14:00-16:00	HL-1, Child Safety and Injury Prevention Co-Chairs: Barb Lee and Barb Marlenga <i>Terrace Lounge, Delta Bessborough Hotel</i>
	1362 – Child Safety Driver Assistant System and Its Acceptance. Elisabeth Quendler
	1413 – Youth Operating All-Terrain Vehicles. Shari Burgus
	1437 – Removing the Family Farm Exemption from the Hazardous Occupations Orders for Agriculture: Impact on Injuries. Barbara Marlenga
	1470 – Evaluation of the Childhood Agricultural Safety Network. Barbara Lee
	1538 – Towards a Zero Vision of Fatal Injuries in ATV Safety. Peter Lundqvist
	1652 – Farm Safety for Children. Marion Leithead
14:00-16:00	HL-2, Improving Access to Dementia Care: Development, Operation, and Evaluation of a Rural & Remote Memory Clinic Co-Chairs: Debra Morgan and Lesley McBain <i>Canadian Room, Sheraton Cavalier Hotel</i>
	1363 – The Rural and Remote Memory Clinic: An Overview. Debra Morgan
	1495 – Evaluating Patient, Care-giver, and Telehealth Coordinator Responses to a Telehealth-Assisted Rural and Remote Memory Clinic. Lesley McBain
	1640 – Does Satisfaction Matter? Evaluation Interviews of a Rural and Remote Memory Clinic. Allison Cammer
	1641 – Is a Nurse Necessary?: The Role of an RN in an Integrated Inter-Professional Rural and Remote Memory Clinic. Leslie Holfeld
	1642 – Utility of Telehealth in Following Cognition in Memory Clinic Patients from Rural and Remote Areas. Andrew Kirk
	1643 – Pre-clinic Teleconferencing Prepares Families and Health Professionals for a Subsequent Rural and Remote Memory Clinic Assessment. Margaret Crossley
	1644 – Rural and Remote Dementia Care Challenges and Needs: Formal and Informal Care Provider Perspectives. Vanina Dal Bello-Haas
14:00-16:00	HL-9, Resilience and Rural Life Chair: Judith Kulig <i>Kelsey/Saskatchewan Room, Delta Bessborough Hotel</i>
	1208 – The Resilience Tool Kit: Concepts to Build Resilience in Australian Rural Communities. Desley Hegney
	1350 – Remote Service Futures: What Scottish Communities are Doing about Services. Amy Nimegeer
	1496 – Australian Farm Families- “Changing Risk Factors at Work and at Play”. Susan Brumby
	1505 – Community Resiliency: Links to Rural Life. Judith Kulig
	1515 – How We Live: Social Support Networks and Social Environment as Determinants of Health. Hope Beanlands

Monday, October 20 – Afternoon

14:00-16:00	<i>HL-16, Cancer Risks in Agricultural Populations</i> Chair: Aaron Blair and Joseph Mazza <i>Adam Ballroom, Delta Bessborough Hotel</i>
	1668 – Agricultural Pesticides and Risk of Childhood Cancers. Susan Carozza
	1676 – Biomarkers of Oxidative Stress and DNA Damage in Agricultural Workers. Glen Kisby
	1678 – Pesticides, Chromosomal Aberrations, and Non-Hodgkin Lymphoma. Brian Chiu
	1679 – Overview of Cancer among Farmers. Pierre Lebailly
	1680 – Cancer among Farm Workers. Paul Mills
14:00-16:00	<i>HW-15, Health and Safety in Rural & Remote Marine and Coastal Contexts</i> Chair: Barb Neis <i>Batoche Room, Delta Bessborough Hotel</i>
	1656 – Health and Safety Challenges in Rural and Remote Non-Farm Contexts. Barbara Neis
	1693 – An Interdisciplinary, Community Alliance Approach to Identifying and Addressing Occupational Risks in Rural & Remote Marine and Coastal Contexts: The SafetyNet Model. Barb Neis and Stephen Bornstein
	1694 – Employment Precarity, Risk Tolerance and Safety Behaviors in the Newfoundland Fibreglass Boat-Building Industry. Stacey Wareham
	1695 – Challenges Related to the formation of sectoral safety associations in rural and remote resource-dependent Industries: a case study from the Atlantic Canadian Forestry sector Scott MacKinnon
	1696 – Individualization Discourses and Practices in OHS Curriculum: Reflections on OHS Training Delivered to Fish Harvesters and High School Students in Newfoundland. Sumaiya Baqee
	1697 – Lessons from "Quick Hits" Approach to Interprovincial OHS Knowledge Transfer. Scott MacKinnon and Barbara Neis
14:00-16:00	<i>HW-17, Agricultural Stakeholders' (Farmers) Day (cont'd)</i> Co-Chairs: Kendra Ulmer and Marcel Hacault <i>Battleford Room, Delta Bessborough Hotel</i>
	– Stress, Sleep, and Safety. Chip Petrea
	– Risk Management. Reg Steward
	– First on the Scene for Farm Families. Reg Steward
14:00-16:00	<i>WB-3, Environmental Determinants of HP and Clinical Aspects</i> Co-Chairs: Yvon Cormier and Caroline Duchaine <i>Pascoe Room, Delta Bessborough Hotel</i>
	1704e – Hypersensitivity Pneumonitis. Yvon Cormier
	1489 – Expression and Activities of N-Myristoyltransferase and Calcineurin in Swine Barn Air Induced Lung Inflammation. Chandrashekhara Charavaryamath
	1544 – Regulatory T-cells in Hypersensitivity Pneumonitis. Mélissa Girard
	1683 – Immune Response to Endotoxin Exposure. Natasha Thiessen
	1705e – Hypersensitivity Pneumonitis (HP) Prevention: Benefits of Industry and Research Community Collaboration. Caroline Duchaine
15:00-15:15	Coffee – on the run
18:00-21:00	Gala Dinner (cash bar) – Grand Salon TCU Place, 35-22 nd Street East Chair: Shelley Kirychuk
	Greetings – Dr. Karen Chad , Acting Vice-President Research, University of Saskatchewan, Canada – Dr. Lorna Butler , Dean, College of Nursing, University of Saskatchewan, Canada – Dr. Jim Thornhill , College of Medicine, University of Saskatchewan, Canada – Dr. Vern Hoepfner , Head, Department of Medicine, University of Saskatchewan, Canada

Tuesday, October 21 – Morning

08:00-16:00	Registration – <i>Convention Floor Foyer</i> , Delta Bessborough Hotel
09:00-09:45	Morning Plenary Session Chair: Donna Rennie <i>Adam Ballroom</i> , Delta Bessborough Hotel
	<i>Plenary Speaker</i> – Dr. Desley Hegney , University of Queensland, Australia <i>“Issues in Rural Health Practice Today”</i>
09:45-10:00	Coffee – <i>on the run</i>
10:00-12:00	Concurrent Sessions
10:00-12:00	HL-11, Mini-Symposium on Rural Nursing Part 1 – Policy and Practice in Rural Nursing Co-Chairs: Dana Edge and Dorothy Forbes <i>Battleford Room</i> , Delta Bessborough Hotel
	1482 – Rural Nursing in Canada: An Update of Policy and Practice Issues. Dana Edge
	1449 – Policy and Practice in Rural Home Care: Co-Chair Policy and Practice in Rural Nursing. Dorothy Forbes
	1374 – North-South Differences in Rural Nursing Services for Dementia Caregiving In Canada. Mary Ellen Andrews
	1400 – Retention of Rural Nurses in Small Community Hospitals in LHIN 10. Jennifer Medves
	1416 – Advancing a Profession - A Collaborative Approach to Public Policy. Elise Sullivan
	1454 – International Student Exchange: Rural, Remote, and Aboriginal Health Care Experiences in Australia. Arlene Kent-Wilkinson, Annette Lefebvre, Sandi Dumanski, Jennifer Fleck, Amanda Child
10:00-12:00	HL-22, Farm Injury and Children Co-Chairs: Louise Hagel and Joseph Mazza <i>Adam Ballroom</i> , Delta Bessborough Hotel
	1209 – Healthy Lifestyles and Risk Behaviours of Saskatchewan Rural Youth. Diane Martz
	1394 – Lessons Learned in Conducting Rigorous Evaluation Research on Agricultural Health and Safety CD Curricula for Youth: Practical Challenges Faced, Met, and Remaining. Victoria Buchan, Bob Seiz
	1464 – Perception of Children’s Exposure to Farm Work Hazards on Management Intensive Grazing Operations. Barbara Marlenga, Regina Fisher
	1502 – Children's Play Areas on Farms in the Keokuk County Rural Health Study. Murray Madsen
	1590 – Injuries Among Youth on Farms in the United States, 2006. John Myers
	1650 – A Decade of Childhood Agricultural Health and Safety Research. David Hard
10:00-12:00	HW-27, Farm Injuries – Vulnerable Populations Co-Chairs: Rob Brison and Don Voaklander <i>Pascoe Room</i> , Delta Bessborough Hotel
	1068 – Farm Work Exposure of Older Male Farmers in Saskatchewan. Don Voaklander
	1450 – Patterns of Severe Runover Injury Occurring on Canadian Farms. Catherine Isaacs
	1457 – Statewide Surveillance of New York Farm Injuries: An EMS-Based Method. Guila Earle-Richardson
	1460 – What Can Workers' Compensation Data Tell Us about Livestock-Handling Injuries in Agriculture. David Douphrate
	1474 – Risk Factors for Farm Work Related Injury among Male Farmers. Lesley Day
	1701e – Preliminary Findings of a National Geo-Demographic Assessment of Fatal Farm Accidents in Ireland (1993-2007). John McNamara

Tuesday, October 21 – Morning

10:00-12:00	<i>WB-1, Immunology of Organic Exposures</i> Co-Chairs: Philip Willson and John Gordon <i>Batoche Room, Delta Bessborough Hotel</i>
	1673 Amelioration of Pathology in a Swine Model of Airway Endotoxin Exposure by ELR-CXC Chemokine Antagonism. John Gordon
	1501 – Hog Confinement Dust Extract-Mediated Cytokine Release is Dependent upon Protein Kinase-C Isoforms Alpha and Epsilon, and Involves TNF α Signaling. Todd Wyatt
	1418 – Workers' Exposure to Airborne Pathogens in Swine Confinement Buildings of Eastern Canada According to the Production System. Valerie Letourneau
	1508 – Human b-Defensin-2 is Upregulated by Organic Dust in Bronchial Epithelial Cells. Tricia LeVan
	1537 – Toll-Like Receptors Expression on Dendritic Cells Exposed to <i>Saccharopolyspora rectivirgula</i> . Annick Demanche
	1195 – In Vitro Production of TNF-Alpha by Human Monocytes Stimulated with LPS is Positively Correlated with Increased Blood Monocytes after Exposure to a Swine Barn. Phil Willson
10:00-12:00	<i>WB-4, Occupational Exposures and Health Effects</i> Co-Chairs: Karen Bartlett and Shelley Kirychuk <i>Terrace Lounge, Delta Bessborough Hotel</i>
	1504 – Dusty Work: What does Particulate Size Fraction and Endotoxin have to do with It? Karen Bartlett
	1412 – Exposure to SO ₂ and Prevalence of Obstructive Bronchitis in Smokers and Nonsmokers. Ligia Fat
	1517 – Perception of Exposure to Grain Dust among Grain Terminal Elevator Workers. Helen Ward
	1524 – Exposure Assessment Surveys of Rural Iowa Farm Homes – The Keokuk Rural Health Study. Wayne Sanderson
	1662 – Comparative Studies of Air Quality in Rural and Urban Nova Scotia and Potential Health and Environmental Impacts. Mark Gibson
	1531 – Interventions for Preventing Injuries in the Agricultural Industry. Risto Rautiainen
10:00-12:00	<i>WED-1, Clean Water and Agriculture</i> Chair: Rob Jamieson <i>Kelsey/Saskatchewan Room, Delta Bessborough Hotel</i>
	1667 – An Investigation of Bacterial Persistence and Transport within the Subsurface Environment in the Thomas Brook Watershed. Rob Jamieson
	1406 – Detection of Pharmaceuticals and Personal Care Products in Two Prairie Rivers. John Lawrence
	1456 – Inactivation of <i>E. coli</i> within Constructed Wetlands Used for Rural Wastewater Treatment. Leah Boutilier
	1493 – Pesticides in Surface Drinking Water Supplies of the Northern Great Plains. Allan Cessna
	1552 – Novel Nano-Materials for Clean-up of Contaminated Water. Lee Wilson
	1588 – Preparation and Sorption Studies of Carbohydrate Polymers. Dawn Pratt
12:00-13:00	Lunch and Networking Opportunity – <i>Centre Room, Sheraton Cavalier Hotel</i>

Tuesday, October 21 – Afternoon

	Afternoon Plenary Session Chair: Punam Pahwa <i>Adam Ballroom, Delta Bessborough Hotel</i>
13:00-13:45	Plenary Speaker – Dr. Marc Schenker , University of California at Davis, USA <i>“Occupational Health of Hired Farm Workers: Reducing Illness and Injury in a Vulnerable Population”</i> (1492)
14:00-16:00	Concurrent Sessions
14:00-16:00	HL-10, Aging in Rural Communities Co-Chairs: Margaret Crossley and Debra Morgan <i>Kelsey/Saskatchewan Room, Delta Bessborough Hotel</i>
	1211 – Rural Women’s Lives: Expanding Understanding using Photovoice. Beverly Leipert
	1248 – Rural Caregiving and Dementia. Pamela Hawranik, Dorothy Forbes, Debra Morgan, Shelley Peacock
	1373 – An Exploration of Dementia Care in Northern Saskatchewan: The Perspectives of Northern Registered Nurses. Mary Ellen Andrews
	1555 – Resident Quality of Life and Routinization in Rural Long-Term Care Facilities. Sheena Walls-Ingram
	1645 – Prevention of Older Adult Abuse. Peggy MacLeod
	1703e – Advancing Primary Health Care in Central Newfoundland: Notes on Community Development and Health in a Changing Service Delivery Environment. Deatra Walsh
14:00-16:00	HL-11, Mini-Symposium on Rural Nursing Part 2 – International Perspectives in Rural Nursing Co-Chairs: Norma Stewart and Sally Reel <i>Battleford Room, Delta Bessborough Hotel</i>
	1681 – Rural Nursing in the United States: Challenges and Opportunities. Sally Reel
	1674 – Registered Nurses in Rural and Remote Canada: Satisfaction in Nurse Practitioner vs. Non-Nurse Practitioner Roles. Norma Stewart
	1709e – Differences between Rural, Remote and Metropolitan Nurses in Queensland. Desley Hegney
	1442 – Rural Nursing and Marginalization. Deirdre Jackman
	1491 – Sustainable Farm Families 'Train the Trainer Model' Implications for Rural Health Professionals and Farmer Health in Australia. Susan Brumby
	1471 – Building a Knowledgeable Nursing Workforce: Precepting Nursing Students in Rural Settings. Linda Ferguson
14:00-16:00	HL-15, Characteristics of Rural Populations Co-Chairs: Ray Bollman and Bill Reimer <i>Batoche Room, Delta Bessborough Hotel</i>
	1365 – Differing Locations of Death in Rural and Urban Provinces - Why is this the Case? Donna Wilson
	1401 – Health Status in Rural Saskatoon Health Region. Josh Marko
	1402 – Demographics, Employment, Income and Networks: Differential Characteristics of Rural Populations. Ray Bollman
	1403 – Incidence and Depth of Poverty across Canadian Communities. Mengis Chokie
	1589 – Using the CCHS Data to Answer Important Questions about Nutrient Intakes of Canadians: Case Study of Vitamin D. Hassanali Vatanparast
	1671 – Prevalence of Type 2 Diabetes and Associated Risk Factors among Canadians: Rural vs. Urban Comparisons. Alomgir Hossain

Tuesday, October 21 – Afternoon

14:00-16:00	<p><i>HW-4, Health Issues in Hired Farm Workers</i> Chair: Mark Schenker <i>Adam Ballroom</i>, Delta Bessborough Hotel</p>
	1367 – The Influence of Migration-Related Factors on Asthma and Atopy in California Farm Workers. Marc Schenker
	1514 – The Construction of Hunger among Migrant Farm-worker Families: Farm Worker Lifestyles and Diet in Eastern North Carolina. Kristen Borré
	1458 – Occupational Injury Rates and Treatment Patterns among Migrant and Seasonal Farmworkers in the Northeastern United States. Guila Earle-Richardson
	1480 – Immigration Status and the Occupational Health of Immigrant Farm Laborers. Don Villarejo
	1484 – Results from the National Agricultural Workers Survey Occupational Health Supplement: A Survey of US Hired Farm Workers. Andrea Steege
14:00-16:00	<p><i>HW-23, Economic and Social Determinants of Agricultural Safety and Health</i> Co-Chairs: Kelly Donham and Paul Gunderson <i>Canadian Room</i>, Sheraton Cavalier Hotel</p>
	1714e – Overview of Economic and Social Trends in Agriculture: Reflection on Occupational Health of Rural and Agricultural Populations. Paul Gunderson
	1485 – Economic and Social Factors Affecting Agricultural Safety and Health: Large Farms and Health & Safety Regulation. Kelley Donham
	1534 – Effectiveness of the Agricultural Occupational Health Service Program in Reducing Injury Claims in Finnish Agriculture. Risto Rautiainen
	1715e – Alternative Agriculture. Jerry DeWitt
	1689 – Immunoprophylaxis and Therapy of Bovine Spongiform Encephalopathy. Scott Napper
	1716e – Climate Change and Diseases at the Interface of Animal and Public Health in the Agricultural Rural Ecosystem. Emily Jenkins
14:00-16:00	<p><i>WB-6, Environmental and Genetic Determinants in Lung Function in Rural Populations</i> Co-Chairs: Yue Chen and Tricia LeVan <i>Terrace Lounge</i>, Delta Bessborough Hotel</p>
	1421 – Atopy, Obesity, and Asthma in a Rural Community. Yue Chen
	1549 – Effects of Genetic Polymorphisms and Occupational Exposure to Canary Seed Dust on Longitudinal Decline in Pulmonary Function. Punam Pahwa
	1441 – Expression of TLR-9 in Whole Lung Tissue of Mice, Horses, and Humans. David Schneberger
	1476 – Association between High-Risk Genotypes of Glutathione S-Transferases and Type 2 Diabetes Mellitus, Non-Alcoholic Fatty Liver Disease, and Hypertension. Kazuko Nakagawa
	1548 – Association of the Asp299Gly TLR4 Polymorphism with Lung Function in Relation to Body Mass Index. Punam Pahwa
	1500 – Effect of Genetic Variation on Lung Function in Nebraska Farmers. Tricia Levan
15:00-15:15	Coffee – on the run

Tuesday, October 21 – Evening

17:00-19:30	<p>Poster Viewing Session – Wine & Cheese Reception Co-Chairs: Joshua Lawson and A. Senthilselvan South West Room, Sheraton Cavalier Hotel</p>
	1371 – Evaluation of the NIOSH Agricultural Center Initiative: Ten years of Collaborative Accountability. Vicki Buchan
	1436 – From Crisis Management to the Management of a Village “Pharmacy”: Implementation of an Essential Medicine System in Rural Burkina Faso as a Leverage toward Good Governance and Sustainable Community Development. Carole Tranchant, Ibrahim Ouattara, Prescilla Massé
	1497 – The Causes and Effects of Soil Erosion in Kasokero Parish, Kyondo Sub-County Kasese District. Ssenyondo Maxi Mbidde
	1518 – Airborne Antibiotic Concentrations in a Swine Feeding Operation. Wayne Sanderson
	1519 – Pesticide Use and Exposure Risks for Vector Control Activities in the Gambia. Wayne Sanderson
	1523 – Biomarkers to Monitor the Impact of Air Pollutants on the Human Cardiovascular System. Thomas Haas, Xinlei Li
	1533 – Communication of Health Risk from Pesticide Exposure among Agricultural Laborers. Tanyaporn Kerdnoi
	1539 – Protegrin-1 (PG-1) and Sheep Myeloid-Associated Peptide (SMAP-29) have Broad Antimicrobial Activity <i>in-Vitro</i> and <i>in-Vivo</i> . Justin Gawaziuk
	1556 – On-Farm Assessment Project. Patty Williams
	1600e Serum Hepatic Biochemical Activity in Iranian Workers Exposed to Styrene in Plastic Processing Industry. Hassanali Vatanparast
	1601e – Microbial and chemical contamination of swimming pools and their association with the prevalence of related diseases in swimmers, Mashhad, Iran. Hassanali Vatanparast
	1635 – Agricultural Cohort Consortium. Aaron Blair
	1660 – Developing the Role of Extension through Training in Farm Safety and Health in Ireland. John McNamara
	1663 – A Systematic Review of the Association between Fungicide Exposure and Reproductive Outcomes. Jilian Ashley-Martin
	1677 – Examining Context in Long-Term Care: The Translating Research in Elder Care (TREC) Program. Debra Morgan
17:30-20:30	<p>CIHR-CCHSA Centre for Research Development Grant Dinner Meeting Board Room, Sheraton Cavalier Hotel (by Special Invitation for the Decision Makers Advisory Council and National Committees) – <i>Shaping the Future of the “Public Health: Canadian Centre for Health and Safety in Agriculture”</i></p>

Wednesday, October 22 – Morning

08:00-16:00	Registration – Convention Floor Foyer , Delta Bessborough Hotel
09:00-09:45	Morning Plenary Session Chair: Allison Cammer <i>Adam Ballroom</i> , Delta Bessborough Hotel
	<i>Plenary Speaker – Dr. Aaron Blair</i> , <i>Scientist Emeritus</i> , National Cancer Institute, USA <i>“Epidemiologic Studies of Cancer in Agricultural Populations: Observations and Future Directions”</i>
09:45-10:00	Coffee – on the run
10:00-12:00	Concurrent Sessions
10:00-12:00	<i>HW-2, Issues Related to Tractor Fatalities and ROPS Retrofitting</i> Co-Chairs: John May and Julie Sorensen <i>Adam Ballroom</i> , Delta Bessborough Hotel
	1352 – A Prospective Quasi-Randomized Controlled Trial of ROPS Social Marketing Incentives. Julie Sorensen
	1559 – Addressing the Problem of Tractor Overturn Fatalities. John May
	1591 – Tracking the Use of Rollover Protective Structures on US Farm Tractors: 1993 to 2004. John Myers
	1631 – A Pilot Project to Install 50 ROPS on Tractors in BC. Nathan Gregg
	1483 – Tractor-Related Injuries on Farms: An Analysis of Workers' Compensation Data. David Douphrate
10:00-12:00	<i>HW-3, Public Health Issues in Injury Epidemiology</i> Co-Chairs: Henry Cole and Robert McKnight <i>Terrace Lounge</i> , Delta Bessborough Hotel
	1410 – Epidemiology, Surveillance, and Prevention of Farm Tractor Overturn Fatalities. Robert McKnight, Henry Cole
	1411 – Injury Surveillance Properties of Interactive Narrative Simulation Exercises. Henry Cole
	1355 – Cost-effectiveness of Wearing Head Protection on ATVs. Joan Mazur
	1356 – Simple Solutions for Reduced Fish Farm Hazards. Henry Cole
	1536 – Farm Building Construction-related Injuries and Diseases. Risto Rautiainen
10:00-12:00	<i>HW-20, Public Health Issues in Agricultural Exposures</i> Chair: Niels Koehncke <i>Batoche Room</i> , Delta Bessborough Hotel
	1431 – Promotion of Sun Safety in the Agricultural and Outside Workforce Population. Arleen Clark
	1465 – Development of Safety Guidelines for Hired Adolescent Farm Workers. Barbara Lee, Regina Fisher
	1487 – From Sea to Shining Sea. Pertice Moffitt
	1661 – Disability on Irish Farms – A Real Concern. John McNamara
	1630 – CAISP Evolving: New Directions for the “Made in Canada” Agricultural Injury Surveillance Program. Anna Auer
	1526 – Claims Incidence of Work-Related Musculoskeletal Disorders in Saskatchewan, 1996 through 2005. Syed Shah

Wednesday, October 22 – Morning

10:00-12:00	<p><i>HW-21, Women and Vulnerable Populations in Agricultural and Rural Settings</i> Co-Chairs: Anna Rask-Andersen <i>Kelsey/Saskatchewan Room, Delta Bessborough Hotel</i></p>
	1453 – Gender, Health, and Fair Trade: A Developing Research Agenda. Lori Hanson
	1506 – Work and Health of Farm Women. Anna Rask-Andersen
	1637 – Rural Women's Views on the Wellbeing of Themselves and Their Communities. Joanne Havelock
	1378 – Burying Traditions: Keeping Kids Safe in Agricultural Environments. Pamela Fuselli
	1488 – Risk Factors for Asthma and Wheeze in a School Age Population of Rural Children. Donna Rennie
10:00-12:00	<p><i>HW-29, The NIOSH Agriculture, Forestry, and Fishery Review</i> Chair: Paul Gunderson <i>Pascoe Room, Delta Bessborough Hotel</i></p>
	1688 – The NIOSH Agriculture, Forestry, and Fishing Occupational Safety and Health Program Review. Paul Gunderson
	1692 – Defining the Populations at Risk. Susanna von Essen
	1481 – Engaging AFF Stakeholders in NIOSH Research and Intervention. Don Villarejo
	Invited – Opportunities for Future Agriculture, Forestry, and Fishing Safety and Health Research and Intervention. Dr. George Conway
10:00-12:00	<p><i>PHARE Training Session</i> Co-Chairs: John Gordon and Shelley Kirychuk <i>Battleford Room, Delta Bessborough Hotel</i></p>
	– Knowledge Translation and The Graduate Student: New Expectations and Practical Applications. Dr. R. DeLon Hull , Director, Office of Research and Technology Transfer, NIOSH
12:00-13:00	Lunch – on your own

Wednesday, October 22 – Afternoon

13:00-13:45	Afternoon Plenary Session Chair: Martha MacLeod <i>Adam Ballroom</i> , Delta Bessborough Hotel
13:00-13:30	Guest Speaker – Dr. R. DeLon Hull , Director, Office of Research & Technology Transfer, NIOSH “Research to Practice: Building on the NIOSH Experience”
13:30-13:45	1651 – Bridging “Research to Practice” in Agricultural Health and Safety: A Canadian Approach. Johanne Asselin, James Dosman, Martha MacLeod
14:00-16:00	Concurrent Sessions
14:00-16:00	HL-12, Ergonomic Injuries in Rural Health Care Workers Co-Chairs: Jim Melenchuk and Syed Shah <i>Kelsey/Saskatchewan Room</i> , Delta Bessborough Hotel
	1203 – Work Environment and Health among Swedish Livestock Workers. Christina Kolstrup
	1444 – The Human-Horse Work Environment: Issues, Questions, and Opportunities for Research. Lotta Löfqvist
	1665 – A Systematic Approach for Studying Occupational Whole-Body Vibration. James P. Dickey
	1646 – Work-related Ocular Injuries in Saskatchewan: Disparity across Industry Sectors. Nooshin Nikpartow
	1647 – Work-related Musculoskeletal Disorders in Agriculture in Saskatchewan, 1996-2005. Syed Shah
	1648 – The Effect of a Transfer, Lifting, and Repositioning (TLR) Injury Prevention Program on Musculoskeletal Disorders in Health Care Workers. Tim Black
14:00-16:00	HW-31, Public Health Practices in Agricultural Health Co-Chairs: Kendra Ulmer and Lynette Epp <i>Terrace Lounge</i> , Delta Bessborough Hotel
	1385 – Towards an Occupational Health and Safety Management Standard for Canadian Agriculture. Elizabeth Rankin
	1440 – EcoHealth and Watersheds: Ecosystem Approaches to Re-Integrate Water Resource Management with Health and Wellbeing. Margot Parkes
	1532 – Effectiveness of the Certified Safe Farm on-Farm Safety Review Process in Identifying and Removing Injury and Illness Hazards on the Farm. Risto Rautiainen
	1632 – Development of Community Support Strategies for Farmers Who Live with Disabilities. Margaret Friesen
	1659 – Evaluation of Strategies to Assist Farmers in Ireland to Comply with a Legal Risk Assessment Document. John McNamara
	1461 – Dairy Farm Injuries: An Analysis of Workers' Compensation Data. David Douphrate

Wednesday, October 22 – Afternoon

14:00-16:00	HW-32, Public Health Practices for Rural Health Chair: Peggy MacLeod Batoche Room, Delta Bessborough Hotel
	1345 –Rural Health Issues among Youth. Shari Burgus
	1370 – Physician Assistants in Scotland: The Answer to Health Care Delivery in Rural Areas? Amy Nimegeer
	1375 – Cohesive Moral Communities or Commuter Spaces? Re-Evaluating the Nature of Rural Communities for Collaborative Health Care Planning. Silvia Vilches
	1540 – Strategies for Injury Prevention in Swedish Agriculture. Peter Lundqvist
	1546 – Safe and Effective Sheep & Cattle Injection Training Program. David Rendell
14:00-16:00	WED-3, Zoonotics and Food Safety Chair: Tasha Epp Pascoe Room, Delta Bessborough Hotel
	1702e – You Are What You Eat. Tasha Epp
	1354 – Inadequate Food-Safety and Human Brucellosis in Mongolia. Nansalmaa Myagmarjav
	1372 – The Effect of Nitrate on Human Cell Lines in Culture. Claire McGuigan
	1473 – Ensuring Food Safety by Improving the Microbial Quality of Irrigation Water: A Study of the Qu’Appelle River in Southern Saskatchewan. Chris Yost
	1639 – BSE's Impact on Farm Families and Communities. Diane Martz
	1653 – Health Implications and Benefits of Sewage Sludge Application to Agricultural Soils in South Eastern Nigeria. Joachim Ezeji, Etuka Ilochi, Christopher Ejiogu
15:00-15:15	Coffee – on the run
16:30-20:30	CIHR-CCHSA Centre for Research Development Grant Reception and Dinner Meeting for the Scientific Network (by Special Invitation) Salon Batoche, Delta Bessborough Hotel – <i>Moving Forward: Recommendations for Pursuing the Canadian “Research to Practice” Initiative</i>