



2022 CARWH Conference

The Changing World of Work, Health and Research

A conference delivered virtually from September 14 to 16, 2022

<https://carwh.ca/conference-2022/>

Preliminary Program

Time (ET)	Topic
Wednesday, September 14, 2022, Trainee/Young Investigators Forum Platform/Link: <i>Zoom link TBC</i>	
10:30am	Networking
10:50am	Welcome Remarks (Kathryn Sinden, CARWH President; Julia Goyal, MC)
11:00am – 12:00pm	<i>When you need evidence now: Practical guidance on how to conduct a rapid review.</i> Amanda Ottley, McKenzie Watson, Courtney Stone
12:00pm – 1:00pm	Networking Lunch Break
1:00pm – 2:00pm	<i>Emerging Trends from Utilizing Social Media for Work and Health Advocacy.</i> Nathan Kolar
2:00pm – 2:10pm	Closing remarks
Thursday, September 15, 2022	
11:00am	Welcome Remarks. Kathryn Sinden, CARWH President Keynote Address: <i>Making workplaces safer for women: how can researchers help?</i> Karen Messing. Platform/Link: <i>Zoom link TBC</i>
12:00pm – 1:00pm	Breakout Session 1: Mental health in the workplace 1 Platform/Link: <i>Zoom link TBC</i> <ul style="list-style-type: none"> • Title TBC. Melissa Corrente*, Mark Given, Laura Zychla • Social Isolation During COVID-19: Comparison of on-site and work-at-home staff. Jeannette Waegemakers Schiff, Eric Weissman, Deborah Scharf, Rebecca Schiff, Stephanie Campbell, Alana Jones, Jacky Liu, Terry Pitoulis • Potential Factors Contributing to Planning Successful Mental Health Interventions: Lessons from Pattern Analysis of 57 Systematic Reviews. Marc I. White*, Kelly Williams-Whitt, Shannon L. Wagner, Georgia Pomaki • Burnout among pharmacists during the COVID-19 pandemic: A scoping review. Liam Ishaky*, Myuri Sivanthan, Behdin Nowrouzi-Kia, Mina Tadrous, Basem Gohar
	Breakout Session 2: Workplace disease Platform/Link: <i>Zoom link TBC</i> <ul style="list-style-type: none"> • Examining risk of chronic obstructive pulmonary disease among men and women in the Ontario workforce. Jeavana Sritharan*, Victoria Arrandale, Tracy L Kirkham, Mamadou Dakouo, Jill S MacLeod, Paul A Demers

Time (ET)	Topic
	<ul style="list-style-type: none"> • Daily accelerometer-measured physical activity patterns and associations with cardiometabolic health among Canadian working adults. Aviroop Biswas*, Cynthia Chen, Stephanie A. Prince, Peter M. Smith, Cameron A. Mustard • Risk of Salivary Gland Cancer in the Ontario Workforce: findings from the Occupational Disease Surveillance System. Kanoatova S*, Sritharan J, Dakouo M, MacLeod JS, Demers PA • Silicosis, asbestosis, and pulmonary fibrosis in Ontraio, 1996-2019. Yizhi Zhang*, Nikhil Rajaram, Ambrose Lau, D. Linn Holness, Susan M Tarlo, Victoria H Arrandale <p>Breakout Session 3: Marginalized & visible minority workers 1 Platform/Link: <i>Zoom link TBC</i></p> <ul style="list-style-type: none"> • Mental Health of Black Frontline Workers in Homelessness Services in Canada. Ashley Wilkinson, Jordan Knapp, Alana Jones, Jeannette Waegemakers Schiff • The scope and nature of precarious employment among lesbian, gay, bisexual, transgender, and queer (LGBTQ+) people in OECD (Organization for Economic Co-operation and Development) countries. David J. Kinitz*, Faraz Vahid Shahidi, Hannah Kia, Kinnon MacKinnon, Ellen MacEachen, Dionne Gesink, Lori E. Ross • Improving Spaces for Women First Responders. Kelly Gregory*, John Mielke, Elena Neiterman • Exploring the impacts of precarious work and family caregiving on the health of African immigrant women during COVID-19 in Ontario, Canada. Joyceline Amoako*, Ellen MacEachen
1:00pm – 2:00pm	<p>Panel Session: Linkages and silos between the occupational and public health communities: charting a path forward. Panelists: <i>TBC</i>. Facilitator: Cheryl Peters Platform/Link: <i>Zoom link TBC</i></p>
2:00pm – 2:15pm	<p>Break</p>
2:15pm – 3:15pm	<p>Breakout Session 4: Mental health in the workplace 2 Platform/Link: <i>Zoom link TBC</i></p> <ul style="list-style-type: none"> • Navigating Midwifery Work During the COVID-19 Pandemic: Midwives' Health Challenges. Kelly Gregory*, Elena Neiterman, Kellie Thiessen, Cecilia Benoit, Jelena Atanackovic, Angela Freeman, Caroline Chamberland-Rowe, Ivy Bourgeault • Title TBC. Akoo C*, Price S*, McMillan K, Ingraham, K, Ayoub A, Rolle Sands S, Shankland M, Bourgeault I. • Supporting team leaders to promote psychologically safe workplaces: lessons from a pilot program in Australia. Siusan MacKenzie • The Association Between Disability, Gender, Work Context, and Job Conditions on Unmet Needs for Workplace Accommodations and Supports: A Cross-sectional Analysis. Geneviève Jessiman-Perreault, Monique Gignac, Aaron Thompson, Peter Smith <p>Breakout Session 5: Marginalised & visible minority workers 2 Platform/Link: <i>Zoom link TBC</i></p> <ul style="list-style-type: none"> • Algorithms at Work: A case study of Persian Instagram Creators living and working in Canada. Atieh Razavi Yekta*, Suzanne Huot • Longer-term cardiovascular-related outcomes following work-related injury/disability by immigration contexts. Koehoorn M*, McLeod CB, Tamburic L, Senthanaar S, Bültmann U, Premji S

Time (ET)	Topic
	<ul style="list-style-type: none"> • Impact of employment-related settlement services on employment outcomes for immigrants in Canada. Senthana S*, Koehoorn M, McLeod CB • COVID-19 related health and job risks of self-employed digital platform drivers: a multi-platform qualitative study. Ellen MacEachen*, Samantha B. Meyer, Shannon Majowicz, Pamela Hopwood, Meghan Crouch, Joyceline Amoako, Yamin Tauseef Jahangir, Steve Durant, Antonela Ilic <p>Breakout Session 6: New & emerging trends for work & health 1 Platform/Link: <i>Zoom link TBC</i></p> <ul style="list-style-type: none"> • What factors influence home care nurses' and personal support workers' adherence to facial protective equipment usage guidelines? King EC, Ameer H, Zagrodny KAP, McKay SM, Holness DL, Nichol KA • Exposure to organophosphate ester flame retardants in the occupational environment. Fateme Kooshki *, Paul A. Demers, Victoria H. Arrandale • Evaluating formaldehyde exposure in a pathology lab with multiple methods: how does background alcohol affect real-time readings? Yijun (Joseph) Lu *, Matthew Jeronimo, Karen Bartlett • Preliminary analysis of rheumatoid arthritis and sarcoidosis risks in the Mining Master File Cohort. Colin J. Berriault*, Nancy E. Lightfoot, Victoria H. Arrandale, Paul A. Demers
3:15pm – 4:15pm	<p>Poster Session A Platform/Link: <i>Airmeet link TBC</i></p> <ul style="list-style-type: none"> • Title TBC. Chun-Yip Hon*, Craig Fairclough, Jaskaren Randhawa • Title TBC. Emily Tetzlaff*, Glen Kenny, Stephen Hardcastle • Care work via digital platforms: A marginalized, gendered 'gig' workforce? Pamela Hopwood*, Ellen MacEachen • Increase in Traumatic Stress and Psychosocial Needs in Canadian Homeless Sector Frontline Workers during COVID-19 Pandemic. Jeannette Waegemakers Schiff, Eric Weissman, Deborah Scharf, Rebecca Schiff, Stephanie Campbell, Alana Jones, Jacky Liu, Terry Pitoulis • Collecting occupation and hazards information in primary care using O*NET. Arlinda Ruco, Andrew D. Pinto, Rosane Nisenbaum, Julia W. Ho, Emily Bellicoso, Nadha Hassen, Andrew Hanna, Carles Muntaner, D. Linn Holness • Virtual Coworking: Seeing beyond four walls. Meghan Crouch*, Ellen MacEachen, Jen Whitson, Elena Neiterman • Occupational Stressors Among Ontario Pharmacists during the COVID-19 Pandemic. Zoha Zahoor*, Andrew Papadopoulos, Behdin Nowrouzi-Kia, Patty Ibrahim, Mina Tadrous, Basem Gohar • Examining the Functional Abilities of Ontario Education Workers During the Pandemic. Frances Serrano*, Behdin Nowrouzi-Kia, Bruce Oddson, Rita Bishai, Jennifer Casole, Basem Gohar • The sense of coherence and mental health among first responders: A scoping review and critical analysis of causation. Sara M. Stretton*, Joy MacDermid, Kate M. Posluszny, Kathryn E. Sinden, David Walton • A "Sex Gap" in occupational lung cancer? Exploring sex differences in lung cancer risk among Ontario workers. Gabriella Christopher*, Jeavana Sritharan, Mamadou Dakouo, Jill S MacLeod, Paul A Demers

Time (ET)	Topic
	<ul style="list-style-type: none"> • Psychosocial stress and allostatic load in a sample of Canadian firefighters: an exploratory longitudinal study. Somkene Igboanugo*, Phil Bigelow, Ashok Chaurasia, John Mielke • Fabrication of Eco-friendly Sound Absorber Using 3D Printing Technology. Ehsan Rezaieyan*, Ebrahim Taban, Seyyed Bagher Mortazavi, Elham Mahmoudi • Characterization of work, exposure perceptions, and injuries among bicycle delivery workers: a pilot study. Iflah Shahid*, M. Anne Harris, Ian Young, Tracy L. Kirkham • Identifying the Mental Health Burden of Firefighters in a Northwestern Ontario Professional Fire Service during COVID-19. Kate M. Posluszny*, Regan Bolduc, Sara T. Sayed, Paolo Sanzo, Nicholas Ravanelli, Aislin Mushquash, Kathryn E. Sinden • Coding Job Title Data to Facilitate Occupational Health Research: A Multi-Cohort Job Title Cleaning Project by Algorithm. Ellen Sweeney, Chris Baker, Sadnan Al Manir, Debbie Addey, Yunsong Cui, Gabe Hayman, Jason Hicks, Cheryl Peters, Grace Shen Tu, Jennifer Vena, Anil Adishes • Shift Work and Mental Health: Anxiety, Depression and Self-Rated Health among Atlantic PATH Shift Workers. Ellen Sweeney, Zhijie Michael Yu, Trevor Dummer, Yunsong Cui, Vanessa DeClercq, Cynthia Forbes, Scott Grandy, Melanie Keats, Anil Adishes • Exploring Canadian Career Firefighters' Understanding of the Return-to-Work Process after Musculoskeletal Injuries. Shannon Killip*, Joy MacDermid, Nijaanth Thayalan, Rebecca Gewurtz, Kathryn Sinden • Knowledge dissemination of occupational disease and exposure in the construction sector through a web-based platform. Rachel Ma*, Lily X Yang, Jeavana Sritharan, Tracy Kirkham, Jill S MacLeod, Paul A Demers
4:15pm – 5:15pm	Keynote Address: Title TBC. Anya Keefe Platform/Link:
5:15pm	Close of day
Friday, September 16, 2022	
11:00am – 12:00pm	Dr. Katherine Lippel Memorial Lecture: Stephanie Premji Platform/Link: <i>Zoom link TBC</i>
12:00pm – 1:00pm	Breakout Session 7: Mental health in the workplace 3 Platform/Link: <i>Zoom link TBC</i> <ul style="list-style-type: none"> • The mental health impact of organizational factors in public safety organizations. Edgelow, Megan*; Scholefield, Emma; McPherson, Matthew; Legassick, Kathleen; Novecosky, Jessica • Effects of Withholding Treatment on Mental Health in Canadian Paramedics During the COVID-19 Pandemic. David C. M. O’Neill, Christopher MacDonald, Paul A. Demers, Brian Grunau, David M. Goldfarb, Timothy Makrides, Tracy L. Kirkham • Burnout among home care rehabilitation professionals working during the COVID-19 pandemic in Ontario. Yusra Fayyaz, Emily King, Amin Yazdani, Basem Gohar, Aaron Howe, Ali Bani-Fatemi, Vijay Kumar Chattu, Mahika Jain ,Sonia Nizzer, Mhairi Kay, Lindsay Sinclair, Brydne Edwards, Behdin Nowrouzi-Kia • Exploring the Implementation and Impact of E-mental health Apps for Workers: A Scoping Review. Sheila Addanki*, Luciana Macedo, Joy MacDermid, Sandra Moll

Time (ET)	Topic
	<p>Breakout Session 8: New & emerging trends for work & health 2 Platform/Link: <i>Zoom link TBC</i></p> <ul style="list-style-type: none"> • Updating the CAREX Canada diesel engine exhaust job-exposure matrix. Stephanie Ziembicki*, Tracy L Kirkham, Paul A Demers, Victoria H Arrandale • Outdoor workers' solar UVR exposures and sun safety behaviours in Alberta. Ela Rydz*, Andrew Harper, Brandon Leong, Victoria Arrandale, Sunil Kalia, Lindsay Forsman-Phillips, D Linn Holness, Thomas Tenkate, Cheryl E Peters • Changes to infection prevention and control (IPAC) practices used by Canadian paramedics in response to COVID-19. Christopher MacDonald*, Paul A Demers, Brian Grunau, David M. Goldfarb, David O'Neill, Jocelyn A Srigley, Nechelle Wall, Tracy L Kirkham • Respirable Crystalline Silica and Diesel Engine Exhaust Exposure at Ontario Mines. Melanie Gorman Ng*, Kimberly O'Connell, Kevin Hedges, Ali Shakeel, Victoria Arrandale
	<p>Breakout Session 9: Human & technology interaction for work & health 1 Platform/Link: <i>Zoom link TBC</i></p> <ul style="list-style-type: none"> • Innovators in Nonstandard Workplaces. Niki Carlan, Philip Bigelow • Title TBC. Richard Michaud Langis*, Nancy Black, Jade Samping • Title TBC. Sandra Moll, Maha Wakim, Stephen Czarnuch, Joy MacDermid, Rosemary Ricciardelli, Marilyn Swinton • Determinants of healthcare employees' preference to continue teleworking after the COVID-19 pandemic. Andrea Marie Jones, Jonathan Fan, Leah Thomas-Olson, Wei Zhang, Christopher B McLeod
1:00pm – 1:15pm	Break
1:15pm – 2:15pm	<p>Panel Session: Title TBC. Panelists: <i>TBC</i>. Facilitator: Kim Cullen Platform/Link: <i>Zoom link TBC</i></p>
2:15pm – 3:15pm	<p>Breakout Session 10: Workplace injury & disability Platform/Link: <i>Zoom link TBC</i></p> <ul style="list-style-type: none"> • Differences between men and women in their risk of work injury and disability: A systematic review. Aviroop Biswas*, Shireen Harbin, Emma Irvin, Heather Johnston, Momtaz Begum, Maggie Tiong, Dorothy Apedaile, Mieke Koehoorn, Peter Smith • Return to Work Among Traumatic Physical Injury Survivors: Status, Characteristics, Factors Associated and Future Implications in Low-income Context. Ansha Nega Ahmed*, Rosemary Lysaght, Adamu Addissie, Ayalew Zewdie, Marcia Finlayson • Differences in workers' compensation claim rates for within-province and out-of-province workers in British Columbia, Canada, 2010-2017. Robert Macpherson, Barbara Neis, Christopher McLeod • Cannabis Use and the Risk of Workplace Injury: Findings from a Longitudinal Study of Canadian Workers. Nancy Carnide, Victoria Landsman, Hyunmi Lee, Andrea D. Furlan, Peter M. Smith
	<p>Breakout Session 11: Human & technology interaction for work & health 2 Platform/Link: <i>Zoom link TBC</i></p> <ul style="list-style-type: none"> • Occupational Hand Dermatitis in HealthCare: Development and Evaluation of an Online Training E-module. Zagrodne KAP*, King EC, Nichol KA, Holness DL

Time (ET)	Topic
	<ul style="list-style-type: none"> • <i>The negative impact of digital stress on the mental health of university faculty.</i> Nicole Power*, Janet Mantler, Christine Tulk, Natasha Ball, Ivy Bourgeault • <i>Co-designing a trauma-informed peer support app for Canadian healthcare workers.</i> Bargeman M, Gontarz Z, Niemczyk V, Hosseiny F, Notarianni M, Sykes E, Moll S • <i>Understanding the impacts of the pandemic on the mental and physical health of Ontario workers.</i> Philip Bigelow, Kim Meszaros, Iris Zhang, Betina Butler, Abdullah Butt, Jack Callaghan <p>Breakout Session 12: Workplace policy & systems Platform/Link: <i>Zoom link TBC</i></p> <ul style="list-style-type: none"> • <i>Risk of opioid-related harms by occupation in the Ontario workforce: Findings from the Occupational Disease Surveillance System.</i> Nancy Carnide*, Jeavana Sritharan, Chaojie Song, Jill S Macleod, Fateme Kooshki, Andrea D Furlan, Paul A Demers • <i>Hours of work and on-call weeks preferences of Canadian midwives: Relationships with intention to stay in the profession.</i> Isik U. Zeytinoglu, Firat K. Sayin*, Elena Neiterman, Farimah HakemZadeh, Johanna Geraci, Jennifer Plenderleith, Derek Lobb • <i>Title TBC.</i> Van Eerd D*, Le Pouésard M, Irvin E, Yanar B, Jetha A, Tompa E, Gignac M, Morose T • <i>Does the Certificate of Recognition (COR) program lead to safer workplaces in Ontario?</i> Robert Macpherson*, Christopher McLeod
3:15pm – 4:45pm	<p>Poster Session B Platform/Link: <i>Airmeet link TBC</i></p> <ul style="list-style-type: none"> • <i>Working Under the Heat Dome: Exploring the Occupational Impacts of the 2021 Western Heat Dome in Canada.</i> Emily Tetzlaff*, Glen Kenny, Nicholas Goulet, Elie Nehme, Melissa Gorman, Gregory Richardson • <i>Occupational exposure to radon in Canada.</i> Anita Brobbey, Ela Rydz, Shelby Fenton, Paul A Demers, Calvin B Ge, Cheryl E Peters • <i>Occupational differences in risk of COVID-19 among Ontario workers.</i> Rebecca Prowse*, Jeavana Sritharan, Chaojie Song, Brendan T Smith, Tracy L Kirkham, Victoria H Arrandale, Anne Harris, Jin Hee Kim, Jill S MacLeod, Paul A Demers • <i>At the Intersection of Work and Health: Insights using Occupational Health Data from the Canadian Partnership for Tomorrow's Health (CanPath).</i> Ellen Sweeney, Riaz Alvi, Philip Awadalla, Parveen Bhatti, Trevor JB Dummer, Megan E Fleming, Jason Hicks, Vikki Ho, Aarani Mathialagan, John McLaughlin, Grace Shen Tu, Donna Turner, Robin Urquhart, Jennifer Vena • <i>The Sector Pandemic Planning Initiative: How employers in the developmental disability sector in Toronto, Canada worked together to address workplace health challenges exacerbated by COVID-19.</i> Barry Isaacs, Anna Durbin, D Linn Holness*, Uzma Ahmed, Cheslea Conrad-Ferguson, Kayie Warsame, Peri Ren, Rosane Nisembaum, Yona Lunsky, Michelle Firestone, Ahmed Bayoumi • <i>Who Meets Home Care Workers' Emotional Support Needs?</i> Nizzer S, Moreira NA*, McKay SM, King EC • <i>Low-Level Occupational Lead Exposure and Oxidative Stress in Workers of a Lead-zinc Mine.</i> Fateme Kooshki*, Esmaeel Soleimani, Fatemeh Rahimian, Masoud Neghab, Jafar Hasanzadeh • <i>System for Analyzing 3D Scanned Faces for Respirator Fit of Face Filtering Respirators (FFRs).</i> Rachel Tyli, Paul Bozek, James Scott, Tracy Kirkham

Time (ET)	Topic
	<ul style="list-style-type: none"> • Personal Support Workers and the COVID-19 Pandemic. Krithika Subbiah, Elena Neiterman • Evaluating Safety Data Sheets for Readability, Suitability, and Comprehensibility. Kevin Ho*, Thomas Tenkate • Homeless Sector Frontline Workers' (HSWF) Support Needs During the COVID-19 Pandemic. Ainsley Miller*, Jeannette Waegemakers Schiff, Stephanie Campbell • Awareness and Adherence to Diesel Engine Exhaust Controls Among Ontario Firefighters. Tiffany V. Lieu*, Courtney W. Gendron, Paul A. Demers, JuWon Chung, Sheila Kalenge, Tracy L. Kirkham • Multi-component Mental Health and Tobacco Cessation Workplace Interventions: A Scoping Review. Courtney Baay, Geneviève Jessiman-Perreault*, Lisa Allen Scott • Developing chemical safety assessment tools for small business. Thomas Tenkate*, Desre Kramer, Daniel Drolet, Peter Strahlendorf, Olgha-Sana Candeloro, Cheryl Peters, D. Linn Holness • Supervisor experiences with implementing health and safety measures for at-home workers during the COVID-19 pandemic. Thomas Tenkate*, Desre Kramer, Peter Strahlendorf, Olga-Sana Candeloro • Incidence of Opioid-Related Poisonings among Ontario Workers Compared to the General Population. Gregory Feng*, Chaojie Song, Jeavana Sritharan, Paul A Demers, Jill S Macleod, Andrea Furlan, Nancy Carnide • Impact of COVID-19 on the Wellness of Employees at a Large Canadian University. Reshma Patel, Robert Larsson, Philip Bigelow • Updating available information on typical exposure variability in the workplace. Dunia Julienne Ouedraogo, Hugo Pfitzer, Martine Chouvet, Jérôme Lavoué • Monitoring Workplace Heavy Metal Exposure. Melissa J. Radford*, Khaled M. Arafeh, Avneet Kaur, Kelsey L. Duncan, Mark Teo Byron D. Gates • Body temperature responses, duration limits and thermal perception during a whole-body exposure to -40°C. Clara V. Etter, Jacob M. T. Cartwright, Elizabeth A. Gnatiuk, Andrew S. Perrotta, Faming Wang, Matthew D. White • Personal protective equipment use and availability during the COVID-19 pandemic amongst paramedics in Canada compared to other healthcare workers. Fanni R Eros*, Heba Qazilbash, Christopher MacDonald, Paul A Demers, Brian Grunau, David Goldfarb, David O'Neill, Scott Haig, Tracy L Kirkham • Sharing the air in a pandemic: Why are multi-disciplinary voices – including occupational hygienists and engineers – essential for effective worker protections? Dorothy Wigmore*, Ken Martinez*, Claire Bird*, Elham Ahmadpour, Kevin Hedges, Laurence Svirchev, Stéphane Bilodeau • Examining the Psychosocial Impact of COVID-19 in Canadian Education Workers. Frances Serrano*, Behdin Nowrouzi-Kia, Bruce Oddson, Rita Bishai, Jennifer Casole, Basem Gohar • Integration of traditional, automatized and intelligent technologies in manufacturing: Towards the integration of smart glasses. Nasim Khoddammohammadi*, Sylvie Nadeau
4::45pm	Close of Day