HELP Reads

EARLY LEARNING
PARTNERSHIP

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HUMAN DEVELOPMENT RESEARCH REVIEW



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HUMAN DEVELOPMENT RESEARCH REVIEW: AIMS AND SCOPE

HELP's Human Development Research Review (*HELP Reads*) aims to expand awareness of topics in human development, including social and emotional learning, social and environmental determinants of health, child care, and more. *HELP Reads* connects health academics, advocates, and professionals with online and publicly available research, news, and information. This review focuses on listing articles relevant to human development research activities at HELP. This review is not official or peer reviewed. It does not cover all research, news, and information, and HELP is not responsible for the accuracy of the content from media or databases. Not all links are open access; some are abstract links where paid journal subscription is required. HELP Reads is posted monthly here.

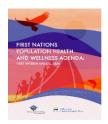


EDITOR PICKS

First Nations Population Health and Wellness Agenda (PHWA): First interim update.

First Nations Health Authority

"The Population Health and Wellness Agenda report series will monitor and report on the health and wellness of First Nations people in BC over a decade using 22 health and wellness indicators. This is the first interim update in the PHWA report series..."



Report summary - The health of Indigenous people residing in urban centres.

Lisa Murdock, National Collaborating Centre for Indigenous Health

"This report summary provides an overview of the health of urban Indigenous populations in Canada. Despite the growth of Indigenous populations in urban centres over the past 80 years, there is lack of research and appropriate policies and services for urban Indigenous people — a situation that negatively affects their health and well-being."



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Indigenous cultural safety - An environmental scan of cultural safety initiatives in Canada - Chapter 3 - Cultural safety initiatives in British Columbia.

National Collaborating Centre for Indigenous Health

"This document highlights the many cultural safety initiatives and resources developed and implemented by the British Columbia (BC) government and its various departments and agencies, alone or in partnership with other governments and organizations, as well as provincial health authorities, professional organizations, Indigenous organizations, and other organizations with a health mandate operating in the province."



New accord on child well-being signed by First Nations Leadership Council, Province.

British Columbia Ministry of Children and Family Development, Union of British Columbia Indian Chiefs, British Columbia Assembly of First Nations, First Nations Summit

"The First Nations Leadership Council (FNLC) and the Province have signed a child well-being accord that recommits how the parties work together to support First Nations children and families."



Young people, health and screens: supporting action in Indigenous contexts.

Institut national de santé publique

"This document is aimed at stakeholders responsible for planning and implementing actions designed to influence exposure to and use of screens in the homes and communities of First Nations and Inuit youth."





Understanding the developmental well-being of children from refugee backgrounds in British Columbia, Canada: a population-level mixed methods approach.

Anne Gadermann, Associate Professor, Human Early Learning Partnership, and co-authors

"The study provided an understanding of the population-level developmental well-being of children from refugee backgrounds in BC, framed by rich, contextualized, and...."



Changes in peer belonging, school climate, and the emotional health of immigrant, refugee, and non-immigrant early adolescents.

Kim Thomson, Assistant Professor, Faculty of Health Sciences, SFU, and co-authors.

"Immigrants and refugees who enter adolescence with lower emotional health than their non-immigrant peers may particularly benefit from culturally responsive school and community-based interventions."



"Out and about": relationships between children's independent mobility and mental health in a national longitudinal study.

Mariana Brussoni, Director, Human Early Learning Partnership, and co-authors.

"Compared to children allowed to roam <5 min, children allowed to roam 5–15 min or >15-minutes had lower odds of elevated distress...Our findings underscore...."



Neighborhood-level sociodemographics and kindergarten children's developmental vulnerability, pre- and post-COVID-19 in Canada.

Barry Forer, Research Methodologist, Human Early Learning Partnership, and co-authors

"A gradient in vulnerability rates for all the socioeconomic indices was found, with children in the highest quintiles, representing greater deprivation, having greater..."



Outdoor play and learning in elementary schools: a critical participatory action research project.

Megan Zeni, PhD Candidate, Faculty of Education, UBC, and co-authors

"This paper describes how a cohort (n=18) of experienced Kindergarten to grade eight (K-8) teachers from across British Columbia shared their outdoor play and learning...".



Facilitating access to care for children with complex health needs through low-barrier place-based intake processes: lessons from the richer social pediatric model.

Matthew Carwana, Clinical Assistant Professor, Dept of Pediatrics, UBC, and co-authors Data highlight the impact adverse social determinants of health can have on child health and the importance of working with community partners to identify developmentally...





The Middle Years Development Instrument (MDI) Provincial Summary 2024, British Columbia.

Eva Oberle and the Human Early Learning Partnership

"This is the first MDI online report summarizing data collected from participating BC school districts and independent schools across Grades 4 through 8 at the provincial level — providing key highlights from the 2023-24 school year and over time."



The big picture: an overview of the 2023 BC Adolescent Health Survey provincial results.

McCreary Centre Society

"The survey results highlight factors which negatively affect health and well-being, such as living in poverty and experiencing deprivation and hunger. However, they also clearly show the value of youth feeling connected to family, culture, school, and community."



2023 Canadian Health Survey on Children and Youth — Changes in the mental health of respondents from the 2019 survey.

Statistics Canada

"The findings focus on self-reported mental health, and indicate that about a quarter of youth reported a change in their mental health across the four-year follow-up period...."



2024 Children & Youth Report Card. Rallying for resilience: keeping children and youth active in a changing climate.

ParticipACTION

"This year's Report Card highlights how the current and impending effects of climate change could be particularly harmful for children and youth's physical activity, and...."



Treating opioid use disorder in young people - helping more youth by understanding the risks.

Children's Health Policy Centre, Faculty of Health Sciences, Simon Fraser University

"How many youth in BC have been diagnosed with opioid use disorder? And what puts young people at risk for developing this condition? We answer these questions and...."



B.C.'s population and public health framework.

British Columbia Ministry of Health

"The renewed provincial strategy outlines the long-term vision and strategic direction for population and public health in B.C."





HUMAN DEVELOPMENT RESEARCH REVIEW

HELP FACULTY and AFFILIATE (selected publications)

- 1. Gadermann A, Guhn M, Poon B, Janus M, Edwards B. **Understanding the developmental well-being of children from refugee backgrounds in British Columbia, Canada: a population-level mixed methods approach**. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2562.
- 2. Larouche R, Faulkner G, Bélanger M, Brussoni M, Gunnell K, Tremblay MS. "Out and about": relationships between children's independent mobility and mental health in a national longitudinal study. Children's Geographies. 2024:1-11. Available from: https://doi.org/10.1080/14733285.2024.2397734.
- 3. Oberle E, Ji XR, Molyneux T, Alkawaja M, Guhn M, Forer B, et al. Mental well-being trends and protective factors among adolescents in British Columbia from 2015 to 2022: a population-based repeated cross-sectional study. Paper presentation at Public Health 2024, Halifax, NS. 2024.
- 4. Reid-Westoby C, Gaskin A, Offord A, Duku E, Forer B, Jambon M, et al. **Neighborhood-level sociodemographics** and kindergarten children's developmental vulnerability, pre- and post-COVID-19 in Canada. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2708.
- 5. So J, Sun S, Kim A, Nemati S, Kim MM, McIntosh G, et al. Facilitating access to care for children with complex health needs through low-barrier place-based intake processes: lessons from the RICHER Social Pediatric Model. J Prim Care Community Health. 2024;15:21501319241273284. Available from: https://journals.sagepub.com/doi/abs/10.1177/21501319241273284.
- 6. Thomson K, Magee C, Gagné Petteni M, Oberle E, Georgiades K, Schonert-Reichl K, et al. **Changes in peer belonging, school climate, and the emotional health of immigrant, refugee, and non-immigrant early adolescents**. J Adolesc. 2024;n/a(n/a). Available from: https://onlinelibrary.wiley.com/doi/abs/10.1002/jad.12390.
- 7. Zeni M, Schnellert L, Brussoni M. **Outdoor play and learning in elementary schools: a critical participatory action research project**. Canadian Journal of Action Research. 2024;24(3). Available from: https://journals.nipissingu.ca/index.php/cjar/article/view/675.

HELP RESOURCES

 Oberle E, Human Early Learning Partnership. The Middle Years Development Instrument (MDI) Provincial Summary 2024, British Columbia. Vancouver, BC: University of British Columbia, School of Population and Public Health, Human Early Learning Partnership (HELP); 2024 Sep. Available from: https://earlylearning.ubc.ca/mdi-2024-provincial-summary/.

Media General

- 1. Canadian Press. Special commission on youth screen time underway in Quebec. CityNews Everywhere. 2024

 Sep 12. Available from: https://montreal.citynews.ca/2024/09/12/special-commission-youth-screen-time-quebec/.
- 2. CityNews Everywhere. **New study shows youth are struggling with their mental health**. Toronto, ON: CityNews Everywhere; 2024 Sep 17. Available from: https://toronto.citynews.ca/video/2024/09/17/new-study-shows-youth-are-struggling-with-their-mental-health/.



- 3. Macintosh M. Ready or not, here they come. Early years educators adjust methods, expectations as many pandemic babies head to kindergarten with development, behaviour issues in their backpacks. 2024 Sep 2. Available from: https://www.winnipegfreepress.com/featured/2024/09/02/ready-or-not-here-they-come.
- 4. The Jill Bennett Show. **How old should kids be before they're allowed to travel alone? [podcast]**. 2024 Aug 27. Available from: https://podcasts.apple.com/ca/podcast/how-old-should-kids-be-before-theyre-allowed-to-travel-alone/id1241365830?i=1000666826982.
- 5. Tran P. New mental health classrooms coming to Calgary school districts. 2024 Sep 12. Available from: https://livewirecalgary.com/2024/09/12/new-mental-health-classrooms-coming-to-calgary-school-districts/.
- 6. University of British Columbia Faculty of Medicine. Service to the University and Community Award Recipient Mariana Brussoni. Vancouver, BC: UBC, Faculty of Medicine; 2024. Available from: https://www.med.ubc.ca/news/2024-faculty-of-medicine-distinguished-achievement-award-recipients/.

1. CHILD DEVELOPMENT

- 1.i. General, Cognition
- 1. Morales JS, Alberquilla del Río E, Valenzuela PL, Martínez-de-Quel Ó. Physical activity and cognitive performance in early childhood: a systematic review and meta-analysis of randomized controlled trials. Sports Med. 2024;54(7):1835-50. Available from: https://doi.org/10.1007/s40279-024-02020-5.
- 2. The Children's Society. **Good childhood report 2024**. London, UK: The Children's Society; 2024 Aug. Available from: https://www.childrenssociety.org.uk/information/professionals/resources/good-childhood-report-2024.

1.ii. Communication, Language. Literacy

MacPherson P. The end of accountability in British Columbia high school student performance. The decline of student testing and achievement. Vancouver, BC: Fraser Institute; 2024. Available from:
 <a href="https://www.fraserinstitute.org/sites/default/files/end-of-accountability-in-bc-high-school-student-performance.pdf#:~:text=Reliable%2C%20fair%2C%20and%20objective%20provincewide%20assessment %20of%20high,school%20students%20are%20doing%20in%20school%2C%20informing%20decisionmaking.

1.iii. Socioemotional Learning, Other

 Aliyas Z, Mahmoudian A, Cloutier M-S. Association between socio-emotional health, physical activity and screen time among children. American Journal of Health Education. 2024:1-10. Available from: https://doi.org/10.1080/19325037.2024.2396602.

2. CHILD CARE, EDUCATION, PARTNERSHIPS

2.i. Connections, Hubs, Partnerships



 Turpin A, Chiodo D, Talotta M, Henderson J. Leveraging integrated youth services for social prescribing: a case study of Youth Wellness Hubs Ontario. Health Promotion and Chronic Disease Prevention in Canada: Research, Policy and Practice. 2024;44(9):358-66. Available from: https://doi.org/10.24095/hpcdp.44.9.02.

2.ii. Initiatives, Interventions

1. Hodges H. Do children receiving care and support have higher rates of school exclusion than their peers? Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2756.

2.iii. Programs, Services, Other

- 1. Government of British Columbia. **New child care centres coming for Métis families**. BC Gov News. 2024. Available from: https://news.gov.bc.ca/releases/2024ECC0130-001521.
- Scroggins JK, Harkins SE, Brown S, St. Clair V, LeBron GK, Barcelona V. A systematic review of community-based interventions to address perinatal mental health. Semin Perinatol. 2024:151945. Available from: https://www.sciencedirect.com/science/article/pii/S014600052400079X.
- 3. So J, Sun S, Kim A, Nemati S, Kim MM, McIntosh G, et al. Facilitating access to care for children with complex health needs through low-barrier place-based intake processes: lessons from the RICHER Social Pediatric Model. J Prim Care Community Health. 2024;15:21501319241273284. Available from: https://journals.sagepub.com/doi/abs/10.1177/21501319241273284.

3. EARLY ENVIRONMENTS

- 3.i. Biological Sensitivity to Context, Cortisol, Epigenetic
- Armstrong-Carter E, Portilla XA, Obradović J, editors. The role of physiological response in understanding
 resilience processes in children's development. Montreal, QC: Encyclopedia on Early Childhood
 Development; 2024. Available from: <a href="https://www.child-encyclopedia.com/resilience/according-experts/role-physiological-response-understanding-resilience-processes#:~:text=Physiological%20responses%20are%20a%20set,%2C%20biology%2C%20and%20behavioural%20adaptation.

3.ii. Adversity, Resilience

- Gautschi J, Lätsch D. The effectiveness of interventions to prevent and reduce child maltreatment in highincome countries: An umbrella review. Child Abuse Negl. 2024;153:106845. Available from: https://www.sciencedirect.com/science/article/pii/S0145213424002357.
- 2. Kemp L, Elcombe E, Blythe S, Grace R, Donohoe K, Sege R. **The impact of positive and adverse experiences in adolescence on health and wellbeing outcomes in early adulthood**. Int J Environ Res Public Health. 2024;21(9):1147. Available from: https://www.mdpi.com/1660-4601/21/9/1147.
- 3. Sawyer K, Kempe S, Carwana M, Racine N. **Global and inclusive considerations for the future of ACEs research**.
 Child Protection and Practice. 2024;3:100054. Available from:
 https://www.sciencedirect.com/science/article/pii/S2950193824000548.
- 4. Senaratne DNS, Thakkar B, Smith BH, Hales TG, Marryat L, Colvin LA. **The impact of adverse childhood experiences on multimorbidity: a systematic review and meta-analysis**. BMC Med. 2024;22(1):315. Available from: https://doi.org/10.1186/s12916-024-03505-w.



3.iii. Other

- 1. Valentine S. London saw a surprising benefit to fining high-polluting cars: more active kids. 2024 [Sep 17]; Available from: https://grist.org/cities/london-fining-polluting-cars-more-active-kids/.
- 2. Wells JE, MacAuley D. **You're not alone: parents everywhere log 'ghost hours'**. Psychol Today. 2024. Available from: https://www.psychologytoday.com/ca/blog/our-invisible-work/202409/youre-not-alone-parents-everywhere-log-ghost-hours.

4. ENVIRONMENTAL HEALTH

4.i. Climate Change

Kuzik N, Bruijns B, Tremblay MS. Climate change is a new hurdle for children's physical activity levels in Canada.
 Ottawa, ON: Sport Information Resource Centre (SIRC); 2024 Sep 11. Available from:
 https://sirc.ca/blog/climate-change-is-a-new-hurdle-for-childrens-physical-activity-levels-in-canada/.

4.ii. Urban Design, Child Friendly Cities, Rural, Greenspace

 Allison S, Card KG, Mulligan K. Special issue: Social prescribing in Canada: an emerging approach to health and well-being, part II. Health Promotion and Chronic Disease Prevention in Canada: Research, Policy and Practice. 2024;44(9):358-66. Available from: https://www.canada.ca/en/public-health/services/reports-publications/health-promotion-chronic-disease-prevention-canada-research-policy-practice/vol-44-no-9-2024.html.

4.iii. Exposures, Other

- British Columbia Centre for Disease Control. Wildfire Smoke Recommendations for Schools. Vancouver, BC:
 BCCDC; 2024. Available from: http://www.bccdc.ca/resource-gallery/Documents/Guidelines%20and%20Forms/Guidelines%20and%20Manuals/Health-Environment/Wildfire Smoke Recommendations for Schools.pdf.
- Smolker HR, Reid CE, Friedman NP, Banich MT. The association between exposure to fine particulate air
 pollution and the trajectory of internalizing and externalizing behaviors during late childhood and early
 adolescence: evidence from the Adolescent Brain Cognitive Development (ABCD) Study. Environ Health
 Perspect. 2024;132(8):087001. Available from: https://ehp.niehs.nih.gov/doi/abs/10.1289/EHP13427.

5. MENTAL HEALTH

5.i. Happiness, Wellbeing, Distress

- Blackwell CK, Wu G, Chandran A, Arizaga J, Bosquet Enlow M, Brennan PA, et al. Longitudinal Changes in Youth Mental Health From Before to During the COVID-19 Pandemic. JAMA Network Open. 2024;7(8):e2430198-e. Available from: https://doi.org/10.1001/jamanetworkopen.2024.30198.
- 2. Helliwell JF, Layard R, Sachs JD, Neve J-ED, Aknin LB, Wang S. **World happiness report 2024**. Oxford, England: Wellbeing Research Centre, University of Oxford; 2024 Mar 20. Available from: https://worldhappiness.report/ed/2024/.
- 3. McGovern R, Balogun-Katung A, Artis B, Bareham B, Spencer L, Alderson H, et al. The Effectiveness of Preventative Interventions to Reduce Mental Health Problems in at-risk Children and Young People: A



- **Systematic Review of Reviews.** Journal of Prevention. 2024;45(4):651-84. Available from: https://doi.org/10.1007/s10935-024-00785-z.
- Murray S, March S, Pillay Y, Senyard E-L. A Systematic Literature Review of Strategies Implemented in Extended Education Settings to Address Children's Mental Health and Wellbeing. Clin Child Fam Psychol Rev. 2024. Available from: https://doi.org/10.1007/s10567-024-00494-3.
- 5. Oberle E, Ji XR, Molyneux T, Alkawaja M, Guhn M, Forer B, et al. Mental well-being trends and protective factors among adolescents in British Columbia from 2015 to 2022: a population-based repeated cross-sectional study. Paper presentation at Public Health 2024, Halifax, NS. 2024.
- 6. Ontario Agency for Health Protection and Promotion (Public Health Ontario). **Mental health indicators using**data from the Canadian Health Survey of Children and Youth 2019. Toronto, ON: King's Printer for Ontario;
 2024 Jun. Available from: https://www.publichealthontario.ca/-/media/Documents/C/24/chscy-mental-health-indicators-data.pdf?rev=6db01be5d4d349e7900baae897f80d0c&sc_lang=en.
- 7. Rastogi R, Woolverton GA, Lee RM, Yip T, Stevens C, Chen JA, et al. **Microaggression and discrimination exposure on young adult anxiety, depression, and sleep.** J Affect Disord. 2024;363:141. Available from: http://dx.doi.org/10.1016/j.jad.2024.07.083.
- 8. Smith A, Poon C, Peled M, Forsyth K, Saewyc E, McCreary Centre Society. **The big picture: an overview of the**2023 BC Adolescent Health Survey provincial results Vancouver, BC: McCreary Centre Society; 2024 Feb.

 Available from: https://mcs.bc.ca/pdf/2023 bcahs the big picture.pdf.
- Statistics Canada. 2023 Canadian Health Survey on Children and Youth Changes in the mental health of respondents from the 2019 survey. Ottawa, ON: Statistics Canada; 2024 Seo 10. Available from: https://www150.statcan.gc.ca/n1/daily-quotidien/240910/dq240910a-eng.htm.
- 10. U.S. Surgeon General's Advisory on the Mental Health & Well-Being of Parents. Parents Under Pressure: The U.S. Surgeon General's Advisory on the Mental Health & Well-Being of Parents. Washington, DC: US Department of Health and Human Services; 2024 Aug. Available from: https://www.hhs.gov/surgeongeneral/priorities/parents/index.html.

5.ii. Sleep, Screentime

- 1. Alluhidan A, Akter M, Alsoubai A, Park JK. **Teen Talk: The Good, the Bad, and the Neutral of Adolescent Social Media Use**. ArXiv. 2024. Available from: https://arxiv.org/html/2409.02358v1.
- 2. Anderer S. Less Screen Time Linked to Improved Sociability and Behavior in Children. JAMA. 2024. Available from: https://doi.org/10.1001/jama.2024.14875.
- Chicote-Beato M, González-Víllora S, Bodoque-Osma AR, Navarro R. Cyberbullying intervention and prevention programmes in Primary Education (6 to 12 years): A systematic review. Aggression and Violent Behavior. 2024;77:101938. Available from: https://www.sciencedirect.com/science/article/pii/S1359178924000284.
- Early Childhood Observatory (Observatoire des tout-petits). Screens and young children (Les écrans et les tout-petits). CityNews Everywhere. 2024 Sep 19. Available from:
 https://montreal.citynews.ca/2024/09/19/quebec-children-under-five-screens-overexposed/ and https://tout-petits.org/publications/rapports/ecrans/.
- 5. Institut national de santé publique. Young people, health and screens: Supporting action in Indigenous contexts. Quebec: INSPQ; 2024 Jun. Available from: https://www.inspq.qc.ca/en/publications/3485.
- 6. Kwon S, Armstrong B, Wetoska N, Capan S. **Screen time, sociodemographic factors, and psychological well-being among young children**. JAMA Netw Open. 2024;7(3):e2354488. Available from: https://jamanetwork.com/journals/jamanetworkopen/fullarticle/2815689.
- 7. Mannell K, Bloul S, Sefton-Green J, Willcox M. Digital media and technology use by families with infants, toddlers, and young children: A scoping review and call for forward momentum. Journal of Children and Media. 2024:1-24. Available from: https://doi.org/10.1080/17482798.2024.2394939.



8. Marciano L, Jindal S, Viswanath K. **Digital Detox and Well-Being**. Pediatrics. 2024. Available from: https://doi.org/10.1542/peds.2024-066142.

5.iii. Healthy Habits, Substance Use, Other

- Foreman J, Arason N, Oakey M, Bains S, Karbakhsh M, Quiambao K, et al. 329 Identifying priority areas for public health action to reduce youth suicide and self-harm in British Columbia, Canada. Inj Prev. 2024;30(Suppl 1):A71-A. Available from:
 - https://injuryprevention.bmj.com/content/injuryprev/30/Suppl 1/A71.2.full.pdf.
- Költő A, Looze Md, Jåstad A, Lennox ON, Currie D, Gabhainn SN. A focus on adolescent sexual health in Europe, central Asia and Canada. Health Behaviour in School-aged Children international report from the 2021/2022 survey. Volume 5. Copenhagen, Denmark: World Health Organization European Region, WHO Regional Office for Europe; 2024. Available from: https://iris.who.int/bitstream/handle/10665/378547/9789289061155-eng.pdf?sequence=1.
- 3. National Academies of Sciences E, Medicine. Promoting Learning and Development in K-12 Out-of-School Time Settings: Proceedings of a Workshop—in Brief. Saunders J, editor. Washington, DC: The National Academies Press; 2024. Available from: https://nap.nationalacademies.org/catalog/27885/promoting-learning-and-development-in-k-12-out-of-school-time-settings.
- 4. O'Connor EA, Evans CV, Henninger M, Redmond N, Senger CA. Interventions for Weight Management in Children and Adolescents: Updated Evidence Report and Systematic Review for the US Preventive Services Task Force. JAMA. 2024;332(3):233-48. Available from: https://doi.org/10.1001/jama.2024.6739.
- 5. Park-Lee E, Jamal A, Cowan H, Sawdey MD, Cooper MR, Birdsey J, et al. Notes from the Field: E-Cigarette and Nicotine Pouch Use Among Middle and High School Students United States, 2024. Morbidity and Mortality Weekly Report. 2024;73(35):774-8. Available from:

 https://www.cdc.gov/mmwr/volumes/73/wr/mm7335a3.htm?s cid=mm7335a3 w.
- 6. Prail C. Canada's worsening drug crisis' impact on children [audiovisual]. CTV News. 2024 Apr 15. Available from: https://www.ctvnews.ca/video/c2998473-ctv-national-news--opioid-crisis--impact-on-kids?playlistId=1.6847356.
- 7. Quinn S. How do B.C. schools educate kids about drugs? CBC Radio Early Edition. 2024 Aug 21. Available from: https://www.cbc.ca/listen/live-radio/1-91-the-early-edition/clip/16089214-how-b.c.-schools-educate-kids-drugs.
- 8. Schwartz C, Barican J, White O, Tang J, Gray-Grant D, Waddell C. **Treating opioid use disorder in young people - Helping more youth by understanding the risks**. Vancouver, BC: Children's Mental Health Research
 Quarterly 18 (3). Children's Health Policy Centre, Faculty of Health Sciences, Simon Fraser University; 2024.
 Available from: https://childhealthpolicy.ca/wp-content/uploads/2024/07/RQ-18-24-Summer.pdf.

6. PHYSICAL HEALTH, MOBILITY

- 6.i. Active Transportation
- Alalawi A, Blank L, Goyder E. Umbrella review of international evidence for the effectiveness of school-based physical activity interventions. PLoS One. 2024;19(6):e0304513. Available from: https://doi.org/10.1371/journal.pone.0304513.
- 6.ii. Activities, Sports



- Canadian Society for Exercise Physiology. Canadian 24-hour movement guidelines for the children and youth (5-17 years): an integration of physical activity, sedentary behaviour, and sleep. Ottawa, ON: Canadian Society for Exercise Physiology; 2024. Available from: https://csepguidelines.ca/.
- 2. Field SC, Foley JT, Naylor P-J, Temple VA. Perceptions Matter! Active Physical Recreation Participation of Children with High and Low Actual and Perceived Physical Competence. Int J Environ Res Public Health. 2024;21(9):1129. Available from: https://www.mdpi.com/1660-4601/21/9/1129.
- Jing J-Q, Jia S-J, Yang C-J. Physical activity promotes brain development through serotonin during early childhood. Neuroscience. 2024;554:34-42. Available from: https://www.sciencedirect.com/science/article/pii/S0306452224003208.
- 4. Kuzik N, Bruijns B, Tremblay MS. Climate change is a new hurdle for children's physical activity levels in Canada.

 Ottawa, ON: Sport Information Resource Centre (SIRC); 2024 Sep 11. Available from:

 https://sirc.ca/blog/climate-change-is-a-new-hurdle-for-childrens-physical-activity-levels-in-canada/.
- ParticipACTION. 2024 Children & Youth Report Card. Rallying for resilience: keeping children and youth active in a changing climate. Toronto, ON: ParticipACTION; 2024 Sep. Available from: https://www.participaction.com/the-science/children-and-youth-report-card/.
- 6. Soto-Lagos R, Castillo-Parada T, Pozo-Gómez L, Romero-Álvarez P, Urzúa G. How to Reduce Physical Inactivity in School Context? A Systematic Review of the Concept of Body Practices. Int J Environ Res Public Health. 2024;21(9):1204. Available from: https://www.mdpi.com/1660-4601/21/9/1204.

6.iii. Outdoor Play, Independent Mobility, Other

- 1. Craig D, Trina NA, Monsur M, Haque UT, Farrow G, Hasan MZ, et al. **Effective Nature-Based Outdoor Play and Learning Environments for below-3 Children: A Literature-Based Summary**. Int J Environ Res Public Health. 2024;21(9):1247. Available from: https://www.mdpi.com/1660-4601/21/9/1247.
- Dodd HF, editor. Risky play and mental health. Montreal, QC: Encyclopedia on Early Child Development; 2024.
 Available from: https://www.child-encyclopedia.com/outdoor-play/according-experts/risky-play-and-mental-health.
- 3. Larouche R, Faulkner G, Bélanger M, Brussoni M, Gunnell K, Tremblay MS. **"Out and about": relationships** between children's independent mobility and mental health in a national longitudinal study. Children's Geographies. 2024:1-11. Available from: https://doi.org/10.1080/14733285.2024.2397734.
- Zeni M, Schnellert L, Brussoni M. Outdoor play and learning in elementary schools: a critical participatory action research project. Canadian Journal of Action Research. 2024;24(3). Available from: https://journals.nipissingu.ca/index.php/cjar/article/view/675.

7. EQUITY, DIVERSITY, INCLUSION, INDIGENIZATION

7.i. Indigenous

- British Columbia Assembly of First Nations. Anniversary of global adoption of UN Declaration on the Rights of Indigenous Peoples: No backtracking on solemn commitments to human rights and reconciliation. Prince George, BC: BCAFN; 2024 Sep. Available from: <a href="https://www.bcafn.ca/sites/default/files/2024-09/2024.09.13%20Coalition%20Statement%20on%20the%202024%20Anniversary%20of%20the%20UN%20Declaration%20on%20the%20Rights%20of%20Indigenous%20Peoples%20%281%29.pdf.
- British Columbia Ministry of Children and Family Development, Union of British Columbia Indian Chiefs, British
 Columbia Assembly of First Nations, First Nations Summit. New accord on child well-being signed by First
 Nations Leadership Council, Province. Victoria, BC: Government of British Columbia; 2024 Sep. Available
 from: https://www.ubcic.bc.ca/new accord on child well-being signed by fnlc province.



- 3. Brown M, Mirza S, Lu J, Stewart SL. Walking forward together—the next step: Indigenous youth mental health and the climate crisis. Psych. 2024;6(1):210-20. Available from: https://www.mdpi.com/2624-8611/6/1/13.
- 4. Dion P, Tremblay M-A, Gagnon R, Sirag E. Life Expectancy at Birth and Infant Mortality Rates of Indigenous Populations in Canada from 2004 to 2016. Canadian Studies in Population. 2024;51(2):3. Available from: https://doi.org/10.1007/s42650-024-00081-5.
- 5. First Nations Health Authority. First Nations Population Health and Wellness Agenda (PHWA): First Interim

 Update. West Vancouver, BC: FNHA; 2024. Available from: https://www.fnha.ca/Documents/FNHA-PHO-First-Nations-Population-Health-and-Wellness-Agenda-First-Interim-Update-2024.pdf.
- 6. First Nations Information Governance Centre. A First Nations guide to the Privacy Act. Ottawa, ON: FNIGC; 2024. Available from: https://fnigc.ca/wp-content/uploads/2024/08/FNIGC_FN_Guide_Privacy_Act_EN-1.pdf.
- 8. Lowdermilk A, Chang S, Gerlach A, Amorim T. Fostering engagement by working relationally. Supporting parents and caregivers following a substantiated child protection concern. Victoria, BC: University of Victoria; 2023 Apr. Available from: https://www.uvic.ca/hsd/cyc/assets/docs/505-amber-final-report-agtaedits.pdf.
- Maclean K, Hankins DL, Christianson AC, Oliveras I, Bilbao BA, Costello O, et al. Revitalising Indigenous cultural fire practice: benefits and partnerships. Trends Ecol Evol. 2023;38(10):899-902. Available from: https://www.sciencedirect.com/science/article/pii/S016953472300188X.
- 10. Mussi F. Indigenous Storytelling and Connections to the Land. New York, NY: Springer International; 2024. Available from: https://www.springerprofessional.de/en/indigenous-storytelling-and-connections-to-the-land/50000816#TOC.
- 11. National Collaborating Centre for Indigenous Health. Indigenous cultural safety An environmental scan of cultural safety initiatives in Canada Chapter 3 Cultural safety initiatives in British Columbia. Prince George, BC: NCCIH; 2024 Mar. Available from:
 https://www.nccih.ca/495/Indigenous cultural safety An environmental scan of cultural safety initiatives in Canada Chapter 3 Cultural safety initiatives in British Columbia.nccih?id=10422.
- 12. National Collaborating Centre for Indigenous Health. Report summary The health of Indigenous people residing in urban centres. Prince George, BC: NCCIH; 2024 Aug. Available from: https://www.nccih.ca/495/Report_summary -
 The health of Indigenous people residing in urban centres.nccih?id=10464.
- 13. Phillips-Beck W, Star L, Leggett S. Navigating Indigenous Data Sovereignty: A Decolonizing Approach to Understanding Opioid Use Amongst First Nations in Manitoba. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2524.
- 14. Quinn S. Average life expectancy for First Nations people in B.C. dropped significantly over four-year period [audio]. A new report published by the First Nations Health Authority says that life expectancy for First Nations people in B.C. dropped by six years, between 2017 and 2021. We talk with former CMA president, Dr. Alika Lafontaine. CBC Radio Early Edition. 2024 Aug 23. Available from: https://www.cbc.ca/listen/live-radio/1-91-the-early-edition/clip/16089767-average-life-expectancy-first-nations-people-b.c.-dropped.
- 15. Quinn S. Canadian Medical Association issues apology to Indigenous Peoples. CBC Radio Early Edition. 2024 Sep 19. Available from: https://www.cbc.ca/listen/live-radio/1-91-the-early-edition/clip/16095611-canadian-medical-association-issues-apology-indigenous-peoples.



- 16. Quinn S. Setting apart Orange Shirt Day and the National Day for Truth and Reconciliation. CBC Radio Early Edition. 2024 Sep 17. Available from: https://www.cbc.ca/listen/live-radio/1-91-the-early-edition/clip/16095026-setting-apart-orange-shirt-day-national-day-truth.
- 17. Shin HD, Carrier L, Dame J, Padley M, Daclan A, Wong H, et al. Resilience and Protective Factors for Mental Health among Indigenous Youth in Canada: A Scoping Review. medRxiv. 2024:2024.08.05.24311522. Available from:
 - https://www.medrxiv.org/content/medrxiv/early/2024/08/06/2024.08.05.24311522.full.pdf.
- 18. Sinclair S, Waruk J, Morrisieau T, Cochrane C, Saulog A. **Our Data, Our Truths, Our Voice: Reclaiming First Nations Data Sovereignty in Manitoba**. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2731.
- 19. Toor JSK, Lavoie JG, Mudryj A. **Inuit youth health and wellbeing programming in Canada**. Int J Circumpolar Health. 2024;83(1):2376799. Available from: https://doi.org/10.1080/22423982.2024.2376799.
- 20. Wale J, Huson B. From risk to resilience:. Indigenous alternatives to climate risk assessment in Canada. Toronto Metropolitan University: Yellowhead Institute; 2024 Sep. Available from: https://yellowheadinstitute.org/wp-content/uploads/2024/09/From-Risk-to-Resilience.pdf.
- 7.ii. Diverse Populations (BIPOC, LGBTQIA2S+, Immigrant, Refugee, People with Disabilities, Autism, Low Income...)
- 1. Gadermann A, Guhn M, Poon B, Janus M, Edwards B. **Understanding the developmental well-being of children from refugee backgrounds in British Columbia, Canada: a population-level mixed methods approach**. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2562.
- 2. Slovin LJ. Fierce, fabulous, and fluid: how trans high school students work at gender nonconformity. New York, NY: New York University Press; 2024. Available from: https://nyupress.org/9781479819591/fierce-fabulous-and-fluid/.
- 3. Thomson K, Magee C, Gagné Petteni M, Oberle E, Georgiades K, Schonert-Reichl K, et al. Changes in peer belonging, school climate, and the emotional health of immigrant, refugee, and non-immigrant early adolescents. J Adolesc. 2024;n/a(n/a). Available from:

 https://onlinelibrary.wiley.com/doi/abs/10.1002/jad.12390.

7.iii. Place Matters, Other

1. Ye Y, Yang Y. A review of research on urban playability from a social justice perspective. Land. 2023;12:NA. Available from: http://dx.doi.org/10.3390/land12051027.

8. SOCIAL DETERMINANTS, PUBLIC POLICY

- 8.i. Education, Income (poverty)
- Esposito T, Caldwell J, Chabot M, Blumenthal A, Trocmé N, Hélie S, et al. Socioeconomic risk and the longitudinal child lifetime prevalence of child protection involvement. Child Abuse Negl. 2024;154:106923.
 Available from: https://www.sciencedirect.com/science/article/pii/S0145213424003132.
- 2. Hamza EA, Tindle R, Pawlak S, Bedewy D, Moustafa AA. **The impact of poverty and socioeconomic status on brain, behaviour, and development: a unified framework**. Rev Neurosci. 2024;35(6):597-617. Available from: https://doi.org/10.1515/revneuro-2023-0163.



8.ii. Housing, Food Security, Family Policy

1. Reid-Westoby C, Gaskin A, Offord A, Duku E, Forer B, Jambon M, et al. **Neighborhood-level sociodemographics** and kindergarten children's developmental vulnerability, pre- and post-COVID-19 in Canada. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2708.

8.iii. Proportionate Universality, Other

1. British Columbia Ministry of Health. **B.C.'s Population and Public Health Framework**. Victoria, BC: Government of British Columbia; 2024 Sep. Available from: https://www2.gov.bc.ca/gov/content/health/about-bc-s-health-care-system/health-priorities/pph-framework.

9. COMPASSIONATE SYSTEMS, TOOLS, OTHER

9.i. Leadership

 Murphy D, Mayhew E, Ferreira G, Clarke K, Kelly BA, LaFrance K. Moving to smart: bringing leadership into early childhood education (voices). Young Children. 2024(3). Available from: https://www.naeyc.org/resources/pubs/yc/fall2024/moving-to-smart.

9.ii. Measurement, Monitoring, Screening

- 1. BC Stats. **BC Demographic Survey: DIP Data Linkage Rates**. Victoria, BC: Government of British Columbia; 2024. Available from: https://catalogue.data.gov.bc.ca/dataset/bc-demographic-survey-dip-data-linkage-rates.
- 2. Cowley P, Emes J, Shang M. **Report Card on Ontario's Elementary Schools 2024**. Toronto, ON: Fraser Institute; 2024. Available from: https://www.fraserinstitute.org/sites/default/files/report-card-on-ontarios-elementary-schools-2024.pdf.
- 3. Ghimire S, Ang E, Deibert M, Hartvich E, Fucile S. **Analyzing the Psychometric Properties of Infant (0–24 Months) Developmental Assessments: A Scoping Review**. Dev Neurorehabil. 2024;27(5-6):204-15. Available from: https://doi.org/10.1080/17518423.2024.2374534.
- 4. Niagara Knowledge Exchange. Measuring Poverty with a Material Deprivation Index (MDI): An Updated Index for Canada. Niagara Knowledge Exchange; 2024. Available from:
 https://niagaraknowledgeexchange.com/resources-publications/measuring-poverty-with-a-material-deprivation-index-mdi-an-updated-index-for-canada/.

9.iii. Ethics, Research Data Management

- British Columbia Regional Information Governance Centre (RIGC). Build your own data centre & Nation-led demonstration projects. Progress report. BC: RIGC; 2024 Sep. Available from:
 https://static1.squarespace.com/static/558c624de4b0574c94d62a61/t/66cf770619e5232a4f8985d0/1724872456131/Progress+Report+-+RIGC+%28September+2024%29.docx.pdf.
- Innis J. Addressing the Health Literacy Needs of Children and Communities in Canada. In: Nash R, Cruickshank V, Elmer S, editors. Global Perspectives on Children's Health Literacy: Intersections Between Health, Education and Community. Cham: Springer International Publishing; 2024. p. 19-34. Available from: https://doi.org/10.1007/978-3-031-63840-4_3.



3. World Economic Forum. **Advancing Data Equity: An Action-Oriented Framework**. Cologny, Switzerland: WEF; 2024 Sep. Available from: https://www3.weforum.org/docs/WEF Advancing Data Equity 2024.pdf.

9.iv. Tools, Linkage, Special

- 1. Adedire T, Lewis E, Stephenson D, Connor N, Quinn L, Goode H. **Kids' Environment and Health Cohort**. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2650.
- 2. Akaraci S, Macfarlane A, Rammah A, Courtin E, Miller F, Mitchell J, et al. The Kids' Environment and Health Cohort: a novel administrative data resource for research on the environmental determinants of child health in England. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2754.
- 3. Behan B, Sparks A, Cheema H, Naska S, Jeanson F, Basque S, et al. **Reporting on the establishment of a Privacy**Preserving Record Linkage to Facilitate an Ongoing Crosswalk Between Research and Health Administrative

 Databases. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2760.
- 4. Bell M, Dawe S, Segal L, Spittal M, Dennison S, Kinner S, et al. **Multiple risks for children of incarcerated mothers:**A descriptive study. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2594.
- 5. Boyd A, Dibben C, Fry R, Hardelid P, Smith C, McNamara E, et al. "Hiding in the Crowd": defining conceptual models for privacy-preserving linkage of place-based and personal data for public benefit research. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2909.
- 6. Brooks J, Hayes A, Alvi R, Azimaee M, Bhatti P, Cheema S, et al. **The CanPath-HDRN Canada Collaboration:**Enabling Multi-jurisdictional Research in Canada. Int J Pop Data Sci. 2024;9(5). Available from: https://iipds.org/article/view/2813.
- 7. Chan W, Xue L. **Using linked data to inform multidimensional real-world issues: Canadian examples**. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2715.
- 8. Colonna S, Helliwell K. **Challenges in Early Years data and their implications on programme evaluations**. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2773.
- 9. Durksen A, Phillips-Beck W, McGavock J, Afifi T, Brownell M, Nickel N. **Using Administrative Data to Identify**Factors Associated with Healthy Development After Experiencing Household Challenge Adversity in Early
 Childhood. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2803.
- 10. Ferris J, Choi A, Wagar B, Simkin J, Woods R, Djurdjev O, et al. **Using machine learning to gain insights into chronic disease multimorbidity: trends and patterns in British Columbia, Canada**. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2744.
- 11. Jesus Neves F, Lima Barreto M, Wells V, Silveira M, Araújo Almeida B. **Data linkage in public health research: a scoping review of ethical, legal and societal aspects surrounding administrative data**. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2716.
- 12. Leong-Sit E, Ferreira-Legere L, Yussuf-Homenauth S, Guttmann A, Shah BR, Schull MJ, et al. Conceptualizing community data governance for race-related, population data: a scoping review and key informant interviews. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2666.
- 13. Mecredy G, Jordao J. The ICES Indigenous Health Data Training Program: Building knowledge and strengthening capacity within Indigenous communities and organizations. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2713.
- 14. Nunes de Melo M, Hayes A, Victor C, Lambert L, Caetano T, Mittmann N. Roadmap for Linking Registry Data with Health Services Data to Support Evidence-Informed Decision-Making. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2755.
- 15. Pisani M, Oguss M, Manneh C, Mayampurath A, Afshar M. **Designing a Data Dashboard for Health Departments** and Overdose Fatality Review Teams. Int J Pop Data Sci. 2024;9(5). Available from: https://iipds.org/article/view/2692.



- 16. Roos L, Detillieux G. **Poverty and Intellectual Development in Childhood**. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2614.
- 17. Thomas I. Family-homelessness and child absence from school: How data linkage research has identified and quantified the association in Wales, UK. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2725.
- 18. Wood M, Gunning L, Mon-Williams M. **Using administrative early-years education data to identify children at risk of persistent absenteeism**. Int J Pop Data Sci. 2024;9(5). Available from: https://ijpds.org/article/view/2602.

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Michele Wiens, Senior Manager (Knowledge Management) Email michele.wiens@ubc.ca Faculty of Medicine, SPPH 2206 East Mall, UBC Vancouver, BC V6T 1Z3

Phone 604. 822. 1278
Email earlylearning@ubc.ca
Web www.earlylearning.ubc.ca