

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

Reconceptualizing cannabis use risks in the context of health and social inequities: insights from a qualitative study with young people in Canada.

Trevor Goodyear, Assistant Professor, UBC School of Nursing, and co-authors

"This study underscores opportunities for a reconsideration or reconceptualization of risks in the context of youth cannabis use..."



Transforming substance use harm prevention in Canadian schools: an examination of school administrators' experiences and perspectives

Emily Jenkins, Associate Professor, UBC School of Nursing, and co-authors

This report presents findings from a survey of 204 Canadian kindergarten to 12th grade (K-12) school administrators [...]. The survey aimed to characterize current practices..."



Illicit drug toxicity from opioid, stimulant or sedative use in adolescents: results of a Canadian one-time cross-sectional study.

Matthew Carwana, and co-authors

"Objectives: (1) To determine the proportion of paediatricians in Canada who care for young people between 12 and 18 years who have managed cases of illicit drug; (2) to..."



Parents' perceptions of children's emotions, parenting experiences and relationships among food secure and food insecure families in Atlantic Canada during the COVID-19 pandemic.

Magdalena Janus, Professor, and co-authors

"Parents' experiences and family relationships were negatively impacted by COVID-19 for families, with food insecure families affected more than food secure families..."



Child Health Research Day (Wed May 21, 2025) – Keynote: Dr. Kimberly A Schonert-Reichl.

"This day is geared towards those with an interest in the medical and scientific foundations of child health, providing a platform for discussing innovative approaches to treatment and care within a clinical environment."



Prevalence trends and patterns of perinatal ADHD stimulant medication use in British Columbia, Canada.

Anne Gadermann, Associate Professor, and co-authors

"The 11-fold increase in ADHD stimulant medication use during pregnancy and the high rate of discontinuation highlight the need for more research on the risks and benefits..."

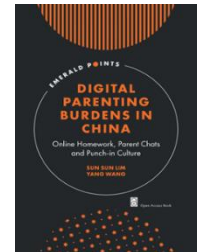


EDITOR PICKS

Digital parenting burdens and family wellbeing.

Lim SS, Wang Y.

"...urban Chinese families' enthusiasm for technology, especially those which shore up children's educational performance, is avid. Across the suite of digital technologies that have been embraced, from devices such as smartphones and intelligent lamps to edtech platforms and parent chat groups, parenting practices have incorporated and adapted to them."



Digital parenting: why the Chinese experience matters.

Lim SS, Wang Y.

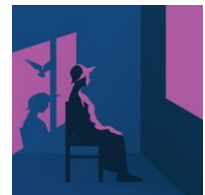
"The critical role technology plays in parenting in Chinese households is best illuminated (literally) by a popular study lamp known as the Dali deng (powerful lamp). Developed by ByteDance, the parent company running popular social media platforms such as TikTok and its Chinese counterpart Douyin, this lamp was introduced as a reliable and capable study companion for children. Its cameras enable parents to keep a vigilant..."



We're still here. Report of the Inquiry into detentions under the Adult Guardianship Act.

British Columbia Office of the Human Rights Commissioner

"The final report of the B.C. Human Rights Commissioner's Inquiry into detentions under the Adult Guardianship Act (AGA) reveals serious human rights issues."



Indigenous Nations and languages in Canada.

Human Early Learning Partnership

"HELP is building a comprehensive list of First Nations, Inuit Nunangat communities and Métis Nation Homeland (including Métis Settlements and historic Métis communities) and all their spoken languages."



Data in Action: The importance of listening, relationships, and process in community-research relationships.

Adrienne Toye, Lead, Strategic Communications, Human Early Learning Partnership

"The results of the needs assessment highlighted the urgent need for investment to address early health inequalities in the community."



HUMAN DEVELOPMENT RESEARCH REVIEW

HELP FACULTY and AFFILIATE (selected publications)

1. Carwana M, Moore E, Shariati H, Samji H, Chadi N. **Illicit drug toxicity from opioid, stimulant or sedative use in adolescents: results of a Canadian one-time cross-sectional study.** Paediatrics & Child Health. 2025. Available from: <https://doi.org/10.1093/pch/pxae104>.
2. Haines-Saah RJ, Goodyear T, Mudry T, O'Brien DC, Figueras A, Jenkins EK. **Reconceptualizing cannabis use risks in the context of health and social inequities: Insights from a qualitative study with young people in Canada.** International Journal of Drug Policy. 2025;138:104474. Available from: <https://www.sciencedirect.com/science/article/pii/S0955395924001592>.
3. Jenkins E, Daly Z, Dmytro D, Richardson C, Amlani A, Moore-Arbour S, et al. **Transforming Substance Use Harm Prevention in Canadian Schools: An Examination of School Administrators' Experiences and Perspectives.** Vancouver, BC: Wellstream: The Canadian Centre for Innovation in Child and Youth Mental Health and Substance Use; 2025. Available from:
4. Nitschke A, Salmanpour A, Kaur P, do Valle HA, Elwood C, Gadermann A, et al. **Prevalence trends and patterns of perinatal ADHD stimulant medication use in British Columbia, Canada.** Pharmacoepidemiol Drug Saf. 2025;34(4):e70129. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1002/pds.70129>.
5. Rossiter MD, De-Lawrence L, Magdalena J, Joan T, McIsaac J-LD. **Parents' Perceptions of Children's Emotions, Parenting Experiences and Relationships Among Food Secure and Food Insecure Families in Atlantic Canada During the COVID-19 Pandemic.** J Hunger Environ Nutr. 2025:1-16. Available from: <https://doi.org/10.1080/19320248.2025.2483816>.

HELP RESOURCES

1. Human Early Learning Partnership. **Indigenous Nations and Languages in Canada.** Vancouver, BC: University of British Columbia, Faculty of Medicine, School of Population and Public Health, Human Early Learning Partnership; 2025 Apr (updated). Available from: <https://earlylearning.ubc.ca/app/uploads/2024/10/Indigenous-Nations-and-Languages-List-Apr2025.pdf>.
2. Tøye A. **Data in Action: The Importance of Listening, Relationships, and Process in Community-Research Partnerships [RayCam: Using Data for Planning and Action].** Vancouver, BC: University of British Columbia, School of Population and Public Health, Human Early Learning Partnership; 2025 Apr 10. Available from: <https://earlylearning.ubc.ca/data-in-action-raycam-cooperative-centre/>.

MEDIA GENERAL

1. CBC. **Over a quarter of grade 6 to 8 students not getting enough physical activity, UBC study finds.** CBC. 2025 Mar. Available from: <https://www.cbc.ca/player/play/video/9.6681279>.
2. Children's Health Policy Centre. **Children's Mental Health Research Quarterly publishes last issue after 18-year run.** Vancouver, BC: Children's Health Policy Centre, Simon Fraser University; 2025 Apr 11. Available from:

3. Luymes G. **To thrive, Metro Vancouver’s kids need communities, not just housing.** The Vancouver Sun. 2025 Mar 27. Available from: <https://vancouversun.com/news/to-thrive-metro-vancouver-kids-need-communities-not-just-housing>.
4. Raaj A. **Canadians are losing sleep at an alarming rate, recent reports suggest.** CTV News. 2025 Mar 29. Available from: <https://www.ctvnews.ca/health/article/canadians-are-losing-sleep-at-an-alarming-rate-recent-reports-suggest/>.

1. CHILD DEVELOPMENT

1.i. General, Cognition

1. Schmitz K, Noonan K, Corman H, Nguyen JM, Jimenez ME, Reichman NE. **Paternal Depression at Kindergarten Entry and Teacher-Reported Behavior at Age 9 Years.** Am J Prev Med. 2025. Available from: <https://doi.org/10.1016/j.amepre.2025.01.017>.

1.ii. Communication, Language, Literacy

1. Li G, Zhen F, Gunderson L, Lin Z. **Reading development of Chinese-English bilingual early elementary children: Variations by student sociocultural characteristics during COVID-19 in Canada.** Res Preschool Primary Educ. 3(1) 2025. Available from: <https://ojs.luminescence.cn/RPPE/article/view/353>.

1.iii. Socioemotional Learning, Other

1. Wilson K, Soria N, Polite W. **Exploring the relationship between social-emotional risk and literacy outcomes: evidence from a collective impact, targeted mentoring initiative.** School-University Partnerships. 2025;ahead-of-print(ahead-of-print). Available from: <https://doi.org/10.1108/SUP-11-2024-0036>.

2. CHILD CARE, EDUCATION, PARTNERSHIPS

2.i. Connections, Hubs, Partnerships

1. Tsai J, Camacho A, Ganduglia-Cazaban C. **Brief Scoping Review of Pathways Community Hubs for the Care of Pregnant Mothers and Their Infants.** Matern Child Health J. 2025;29(3):304-9. Available from: <https://doi.org/10.1007/s10995-025-04042-5>.

2.ii. Initiatives, Interventions

1. British Columbia Ministry of Education and Child Care. **Minister's, parliamentary secretary's statement about federal government's investment in ChildCareBC.** Victoria, BC: MECC; 2025 Mar 7. Available from: <https://news.gov.bc.ca/releases/2025ECC0009-000177>.

2.iii. Programs, Services, Other

1. Pluye P, Tskhay A, Loignon C, Doray G, Sherif RE, Bartlett G, et al. **Fathers and Mothers with Low Socioeconomic Status Anticipate More Benefits from Trustworthy Easy-to- Read Online Child-Related Information Compared to Other Parents: The 4-Year IAM Prospective Time Series.** *Matern Child Health J.* 2025;29(1):126-37. Available from: <https://doi.org/10.1007/s10995-024-04023-0>.

3. EARLY ENVIRONMENTS

3.i. Biological Sensitivity to Context, Cortisol, Epigenetic

1. Nitschke A, Salmanpour A, Kaur P, do Valle HA, Elwood C, Gadermann A, et al. **Prevalence trends and patterns of perinatal ADHD stimulant medication use in British Columbia, Canada.** *Pharmacoepidemiol Drug Saf.* 2025;34(4):e70129. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1002/pds.70129>.
2. Telkmann K, Gudi-Mindermann H, Bogers R, Ahrens J, Tönnies J, van Kamp I, et al. **Identification of exposome clusters based on societal, social, built and natural environment – results of the ABCD cohort study.** *Environ Int.* 2025;197:109335. Available from: <https://www.sciencedirect.com/science/article/pii/S0160412025000868>.

3.ii. Adversity, Resilience

1. Rossiter MD, De-Lawrence L, Magdalena J, Joan T, McIsaac J-LD. **Parents' Perceptions of Children's Emotions, Parenting Experiences and Relationships Among Food Secure and Food Insecure Families in Atlantic Canada During the COVID-19 Pandemic.** *J Hunger Environ Nutr.* 2025:1-16. Available from: <https://doi.org/10.1080/19320248.2025.2483816>.

3.iii. Other

1. British Columbia Ministry of Education and Child Care. **Minister's, parliamentary secretary's statement about federal government's investment in ChildCareBC.** Victoria, BC: MECC; 2025 Mar 7. Available from: <https://news.gov.bc.ca/releases/2025ECC0009-000177>.
2. Dar I, Clarke-Rehman L, Nasrallah N, Arriagada P, Lee H. **Socioeconomic and health outcomes among Indigenous people aged 15 years and older who were under the legal responsibility of the government as children.** Ottawa, ON: Statistics Canada; 2025 Feb 18. Available from: <https://www150.statcan.gc.ca/n1/pub/41-20-0002/412000022025001-eng.htm>.
3. Statistics Canada. **Indigenous language families in Canada: New reports from the 2021 Census of Population.** Ottawa, ON: Statistics Canada; 2025 Mar 31. Available from: <https://www150.statcan.gc.ca/n1/daily-quotidien/250331/dq250331a-eng.htm>.

4. ENVIRONMENTAL HEALTH

4.i. Climate Change

1. Hobbs M, Deng B, Woodward L, Marek L, McLeod G, Sturman A, et al. **Childhood air pollution exposure is related to cognitive, educational and mental health outcomes in childhood and adolescence: A longitudinal birth cohort study.** Environ Res. 2025;274:121148. Available from: <https://www.sciencedirect.com/science/article/pii/S0013935125003998>.
2. Kern de Castro E, Reis M. **Contributions of Health Psychology to Climate Change: A Review.** Int J Environ Res Public Health. 2025;22(4):634. Available from: <https://www.mdpi.com/1660-4601/22/4/634>.
3. Provincial Health Officer of British Columbia. **Examining the societal consequences of the COVID-19 Pandemic. Provincial Health Officer's Annual report 2024.** Victoria, BC: Government of British Columbia; 2025. Available from: <https://www2.gov.bc.ca/assets/gov/health/about-bc-s-health-care-system/office-of-the-provincial-health-officer/reports-publications/annual-reports/pho-annual-report-examining-societal-consequences-of-covid-19.pdf>.

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

1. Chawla L. **Greening Community to Address (Eco)-Anxiety in Youth [presentation].** Washington, DC: EDRA (Environmental Design Research Association) CYE (Children, Youth and Environment); 2025 Apr 14. Available from: <https://edracye.wordpress.com/>.
2. Ma Y, Yu Y, Zhao L, Liu Q, Ni J, Lin Z, et al. **The modifying role of residential greenness on the association between heat waves and adverse birth outcomes: Results from the ELEFANT project.** Environ Res. 2025;271:121118. Available from: <https://www.sciencedirect.com/science/article/pii/S001393512500369X>.
3. Singh S, van de Wouw M, Tomfohr-Madsen L, Lebel C, Giesbrecht G. **The Role of Green and Blue Spaces in Perinatal Maternal Mental Health Outcomes During the Transition to Parenthood.** 2025. Available from: <http://dx.doi.org/10.2139/ssrn.5113443>.
4. UNICEF. **The Necessity of Urban Green Space for Children's Optimal Development. A discussion paper.** New York, NY: UNICEF; 2025 Apr. Available from: <https://www.unicef.org/documents/necessity-urban-green-space-childrens-optimal-development>.

4.iii. Exposures, Other

1. Kusters MSW, Granés L, Petricola S, Tiemeier H, Muetzel RL, Guxens M. **Exposure to residential air pollution and the development of functional connectivity of brain networks throughout adolescence.** *Environ Int.* 2025;196:109245. Available from: <https://www.sciencedirect.com/science/article/pii/S0160412024008328>.
2. Vaezafshar S, Wolk S, Arrandale VH, Sühning R, Phipps E, Jantunen LM, et al. **Young Children’s Exposure to Chemicals of Concern in Their Sleeping Environment: An In-Home Study.** *Environmental Science & Technology Letters.* 2025. Available from: <https://doi.org/10.1021/acs.estlett.5c00051>.
3. Vaezafshar S, Wolk S, Simpson K, Akhbarizadeh R, Blum A, Jantunen LM, et al. **Are Sleeping Children Exposed to Plasticizers, Flame Retardants, and UV-Filters from Their Mattresses?** *Environ Sci Technol.* 2025. Available from: <https://doi.org/10.1021/acs.est.5c03560>.
4. Wong KK-Y, Papachristou E, Francesconi M, Dekkers TJ. **Editorial: ‘Like a bee and a flower’ – the symbiotic relationship between physical environment and children and young people’s psychosocial outcomes.** *Child Adol Mental Health.* 2025;n/a(n/a). Available from: <https://acamh.onlinelibrary.wiley.com/doi/abs/10.1111/camh.12773>.

5. MENTAL HEALTH

5.i. Happiness, Wellbeing, Distress

1. Bahamón MJ, Cudris-Torres L, Javela JJ, Ortega-Bechara A, Cabezas-Corcione A, Barrios-Nuñez Á, et al. **Life satisfaction in children: an analysis of the psychometric properties of the SWLS-C scale by Diener.** *BMC Psychology.* 2025;13(1):383. Available from: <https://doi.org/10.1186/s40359-025-02690-4>.
2. Center on the Developing Child. **Children’s Health Month: The Importance of Infant and Early Childhood Mental Health** Cambridge, MA: Harvard University; 2025. Available from: <https://developingchild.harvard.edu/resources/articles/early-childhood-mental-health/>.
3. Keenan M, Freeman L, Santana de Lima E, Potter K, Hobbs T, Ballard E, et al. **A systemic approach to identifying sustainable community-based interventions for improving adolescent mental health: a participatory group model building and design protocol.** *Health Research Policy and Systems.* 2025;23. Available from: <http://dx.doi.org/10.1186/s12961-024-01247-y>.
4. Schwartz C, White O, Barican J, Tang J, Waddell C, Thomson K. **Treating childhood anxiety disorders.** Vancouver, BC: Children’s Health Policy Centre, Faculty of Health Sciences, Simon Fraser University; 2025. Available from: <https://childhealthpolicy.ca/wp-content/uploads/2025/04/RQ-19-25-Spring.pdf>.

5.ii. Sleep, Screen time

1. Altafim ERP, de Oliveira RC, Pluciennik GA, Marino E, Gaspardo CM. **Digital Parenting Program: Enhancing Parenting and Reducing Child Behavior Problems.** *Children.* 2024;11(8):980. Available from: <https://www.mdpi.com/2227-9067/11/8/980>.
2. Bar E, Radunz M, Galanis CR, Quinney B, Wade TD, King DL. **Student perspectives on banning mobile phones in South Australian secondary schools: A large-scale qualitative analysis.** *Comput Human Behav.*

- 2025;167:108603. Available from:
<https://www.sciencedirect.com/science/article/pii/S0747563225000500>.
3. Choy YN, Lau EYH, Wu D. **Digital parenting and its impact on early childhood development: A scoping review.** Education and Information Technologies. 2024;29(16):22147-87. Available from:
<https://doi.org/10.1007/s10639-024-12643-w>.
 4. Ji X, Feng N, Zhao T, Cui L. **Protective and risk factors in problematic mobile phone use among adolescents: A three-wave longitudinal study.** Addict Behav. 2025;165:108299. Available from:
<https://www.sciencedirect.com/science/article/pii/S0306460325000541>.
 5. Lim SS, Wang Y. **Digital Parenting Burdens and Family Wellbeing.** Digital Parenting Burdens in China: Online Homework, Parent Chats and Punch-in Culture: Emerald Publishing Limited; 2024. p. 61-71. Available from:
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 6. Lim SS, Wang Y. **Digital Parenting: Why the Chinese Experience Matters.** Digital Parenting Burdens in China: Online Homework, Parent Chats and Punch-in Culture: Emerald Publishing Limited; 2024. p. 1-15. Available from:
<https://doi.org/10.1108/978-1-83797-755-020241001>.
 7. Organization for Economic Co-Operation and Development. **Children in the digital environment.** Paris: OECD; 2025. Available from: <https://www.oecd.org/en/topics/sub-issues/children-in-the-digital-environment.html>.
 8. Public Health Communication Centre Aotearoa. **Social media and youth wellbeing: The need for a multi-layered public health approach.** Oatearora: Public Health Communication Centre; 2025. Available from:
<https://www.phcc.org.nz/briefing/social-media-and-youth-wellbeing-need-multi-layered-public-health-approach>.
 9. Shepperd N. **Screen Time and Media Consumption: The Role of Technology in Childhood Development.** Canadian Journal of Family and Youth. 2025;17(2). Available from:
<https://journals.library.ualberta.ca/cjfy/index.php/cjfy/article/view/30140>.

5.iii. Healthy Habits, Substance Use, Other

1. Carwana M, Moore E, Shariati H, Samji H, Chadi N. **Illicit drug toxicity from opioid, stimulant or sedative use in adolescents: results of a Canadian one-time cross-sectional study.** Paediatrics & Child Health. 2025. Available from: <https://doi.org/10.1093/pch/pxae104>.
2. Haines-Saah RJ, Goodyear T, Mudry T, O'Brien DC, Figueras A, Jenkins EK. **Reconceptualizing cannabis use risks in the context of health and social inequities: Insights from a qualitative study with young people in Canada.** International Journal of Drug Policy. 2025;138:104474. Available from:
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3. Jenkins E, Daly Z, Dmytro D, Richardson C, Amlani A, Moore-Arbour S, et al. **Transforming Substance Use Harm Prevention in Canadian Schools: An Examination of School Administrators' Experiences and Perspectives.** Vancouver, BC: Wellstream: The Canadian Centre for Innovation in Child and Youth Mental Health and Substance Use; 2025. Available from:
4. McCreary Centre Society. **Blunt Talk III: Cannabis use among BC youth aged 12–18.** Vancouver, BC: McCreary Centre Society; 2025 Mar. Available from: https://mcs.bc.ca/pdf/blunt_talk_iii.pdf.

6. PHYSICAL HEALTH, MOBILITY

6.i. Active Transportation

1. Litman T. **Evaluating active transport benefits and costs. Guide to valuing walking and cycling improvements and encouragement programs.** 2025 Apr. Victoria, BC: Victoria Transport Policy Institute. Available from: <https://www.vtpi.org/nmt-tdm.pdf>.
2. Xu L, Luo S, O'Hern S, Delbosc A, Chen Z, Fu X. **Do protected cycle lanes make cities more bike-friendly? Integrating street view images with deep learning techniques.** *Cities*. 2025;161:105890. Available from: <https://www.sciencedirect.com/science/article/pii/S0264275125001908>.

6.ii. Activities, Sports

1. Cai S, Wang H, Zhang Y-H, Zhao T-M, Yuan X, Deng H-W, et al. **Could physical activity promote indicators of physical and psychological health among children and adolescents? An umbrella review of meta-analyses of randomized controlled trials.** *World J Pediatr*. 2025;21(2):159-73. Available from: <https://doi.org/10.1007/s12519-024-00874-3>.
2. Li Z, Xie S, Chen W. **The influence of environment on adolescents' physical exercise behavior based on family community and school micro-systems.** *Sci Rep*. 2025;15(1):12024. Available from: <https://doi.org/10.1038/s41598-025-91387-0>.

6.iii. Outdoor Play, Independent Mobility, Other

1. Stewart-Jones P. **Anchors and opportunities: elementary school architecture for growth and belonging in an age of disruption.** Halifax, NS: Dalhousie University. Available from: <https://dalspace.library.dal.ca/items/df4703af-99ea-42ae-809b-038df30d0f99>.

7. EQUITY, DIVERSITY, INCLUSION, INDIGENIZATION

7.i. Indigenous Health, Wellbeing, Reconciliation

1. Blue Bird Jernigan V, Maudrie TL. **Why Achieving Health Equity for Indigenous Peoples Requires Indigenizing the Social Determinants of Health.** *Am J Public Health*. 2025;115(5):643-5. Available from: <https://ajph.aphapublications.org/doi/abs/10.2105/AJPH.2025.308059>.
2. Deer F. **As Canada is threatened, it's urgent to revisit Indigenous sovereignty and nationhood.** *The Conversation*. 2025. Available from: <https://theconversation.com/as-canada-is-threatened-its-urgent-to-revisit-indigenous-sovereignty-and-nationhood-253199>.
3. Guillory J, Bull CC. **So, You Want to Work Together. Collaboration Success Rooted in Tribal Knowledge.** In: Shotton HJ, Waterman SJ, Youngbull NR, Lowe SC, editors. *Developments Beyond the Asterisk: New Scholarship and*

- Frameworks for Understanding Native Students in Higher Education. New York, NY: Routledge; 2023.
Available from: <https://www.taylorfrancis.com/chapters/edit/10.4324/9781032626277-11/want-work-together-justin-guillory-cheryl-crazy-bull>.
4. Hyslop S, Kirychuk S, Karunanayake CP, Martin W, Rennie D, Bradford L, et al. **Exploring relationships between household crowding and health in two First Nations communities.** Health & Place. 2025;92:103441. Available from: <https://www.sciencedirect.com/science/article/pii/S1353829225000309>.
 5. IPCA Knowledge Basket. **Beyond Conservation: Working Respectfully with Indigenous People and Their Knowledge Systems.** IPCA Knowledge Basket; Available from: <https://ipcaknowledgebasket.ca/resources/working-respectfully-with-indigenous-people-and-their-knowledge-systems/>.
 6. Jernigan VBB, Maudrie TL, Lopez SV. **Stagnating Life Expectancy Among American Indians and Alaska Natives: Understanding the Drivers and Recommendations for Research, Policy, and Practice.** Annu Rev Public Health. 2025;46:193+. Available from: <http://dx.doi.org/10.1146/annurev-publhealth-071723-110657>.
 7. Kenny KS, Wall-Wieler E, Frank K, Courchene L, Burton M, Champagne M, et al. **Inequities in child protective services contact among First Nations and non-First Nations parents in one Canadian province: a retrospective population-based study.** BMC Public Health. 2025;25(1):1224. Available from: <https://doi.org/10.1186/s12889-025-21813-5>.
 8. Kirkness VJ, Barnhardt R. **First Nations and Higher Education: The Four R's - Respect, Relevance, Reciprocity, Responsibility**¹. In: Hayoe R, Pan J, editors. **Knowledge Across Cultures: A Contribution to Dialogue Among Civilizations.** Hong Kong: Comparative Education Research Centre, The University of Hong Kong; 2001. Available from: <https://www.uaf.edu/ankn/publications/collective-works-of-ray-b/Four-Rs-2nd-Ed.pdf>.
 9. LaVallee A, Gabel C. **7 Valuing Métis Identity in the Prairies through a "5 R" Lens: Our Digital Storytelling Journey.** In: Laura F, Jennifer M, editors. **Around the Kitchen Table.** Winnipeg, MB: University of Manitoba Press; 2024. p. 57-68. Available from: <https://doi.org/10.1515/9781772840742-009>.
 10. Liu J, Zai X, Tian X, Li J, Yan S, Wang T. **Practical implementation and impact of the 4R principles in ethnopharmacology: Pursuing a more humane approach to research.** Front Pharmacol. 2025;16. Available from: <https://www.frontiersin.org/journals/pharmacology/articles/10.3389/fphar.2025.1543316>.
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7.ii. Diverse Populations (BIPOC, 2SLGBTQQIA+?, Immigrant, Refugee, People with Disabilities, Autism, Low Income...)

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7.iii. Accessibility, Place Matters, Other

8. SOCIAL DETERMINANTS, PUBLIC POLICY

8.i. Education, Income (poverty)

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8.iii. Proportionate Universality, Other

1. Michnik K, Engler-Stringer R. **Being well-fed in universal school lunches in Canada: avoiding a one-size-fits-all approach.** *Health Prom Int*. 2025;40(1). Available from: <https://doi.org/10.1093/heapro/daaf012>.

9. COMPASSIONATE SYSTEMS, TOOLS, OTHER

9.i. Leadership

1. Mahfouz J, Greenberg MT, Weissberg RP, Kim C, Turksma C. **The prosocial school leader: Theory, research, and action.** *Social and Emotional Learning: Research, Practice, and Policy*. 2025;5:100102. Available from: <https://www.sciencedirect.com/science/article/pii/S2773233925000269>.

9.ii. Measurement, Monitoring, Screening

9.iii. Ethics, Research Data Management

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