2022 HELP READS



HUMAN DEVELOPMENT RESEARCH REVIEW VOL 6 (1) JANUARY 2022



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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, particularly social epigenetics, social determinants of health, socio-emotional learning, Indigenous children and youth, and family policy. *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. The review accepts and welcomes contributions provided they meet *HELP Reads* standards. 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; please see: www.earlylearning.ubc.ca/library/citations.



EDITOR PICKS

Predictors of health-related quality of life following injury in childhood and adolescence: a pooled analysis.

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

"The findings improve understanding of the long-term individual and societal impacts of injury in the early part of life and guide the prioritisation of prevention efforts, inform health and social service planning to help reduce injury burden, and help guide future Global Burden of Disease estimates."

Parental autonomy support in the context of parent–child negotiation for children's independent mobility: 'I always feel safer with my parents' to 'boom! Bust down those walls!'. Christina Han, Research Coordinator, Brussoni Lab, British Columbia Children's

Hospital Research Institute (BCCHR), and co-authors "Findings illuminate the importance of recognizing children as active and capable agents of change."... more

Stories from the field: the HELP story; "How are our children doing?"

Joanne Schroeder, Director, External Partnerships (Interim), Human Early Learning Partnership, with Pippa Rowcliffe and Tracy Smyth

"This article tells the story of the Human Early Learning Partnership (HELP) at UBC, told from the perspective of people who were involved with its evolution."

Measuring and monitoring children's social and emotional competence and well-being in schools, families, and communities at the population level. The Middle Years Development Instrument.

Kim Schonert-Reichl, Professor, University of British Columbia; University of Chicago, and co-authors

This is a book chapter from "Measuring noncognitive skills in school settings: Assessments of executive function and social-emotional competencies." 2022

Family responsibilities and mental health of kindergarten educators during the first COVID-19 pandemic lockdown in Ontario, Canada.

Magdalena Janus, Affiliate Associate Professor, School of Population and Public Health, UBC, and co-authors

"Results revealed that educators were more likely to report moderate ..." more













PARTNERSHIF





EDITOR PICKS

One year later: Follow up results from a survey on COVID-19 and child care in Canada.

Barry Forer, Research Associate, Human Early Learning Partnership (and co-authors)

"This report presents data from a follow-up survey of licensed child care centres and regulated family child care providers across Canada about the effects of the COVID-19 pandemic.[...] This survey highlights how the experiences and effects of COVID-19 brought to light long-standing policy failures of Canada's marketized child care system." ...more

Reaching underserved children and families: Lessons from the BC Healthy Connections Project.

Nicole Catherine, Research Associate, Children's Health Policy Centre, Faculty of Health Sciences, Simon Fraser University (and co-authors) *"It is crucial to reach and support children and families who are coping with multiple adversities—yet many are defined by researchers and providers as "hard-to-reach" and therefore are underserved. We found that developing a thorough engagement strategy helped families to participate over the trial's twoand-a-half years."*

Promoting mental health in the early years: Effective psychosocial interventions.

Charlotte Waddell, Director, Children's Health Policy Centre; Professor, Faculty of Health Sciences, Simon Fraser University (and co-authors) "To inform policymaking, we sought high-quality research evidence on effective psychosocial interventions for preventing and treating three of the most common mental health conditions that start in early childhood: anxiety, attention-deficit/hyperactivity disorder and behaviour disorders."

Life in Lockdown: Child and adolescent mental health and wellbeing in the time of COVID-19.

UNICEF Office of Research - Innocenti

"This report seeks to understand the immediate effects on their mental health. Covering more than 130,000 children and adolescents across 22 countries, the evidence shows increased stress, anxiety and depressive symptoms, as well as increased alcohol and substance use, and externalizing behavioural problems."











HUMAN DEVELOPMENT RESEARCH REVIEW

HELP FACULTY, ASSOCIATE, and AFFILIATE (selected publications)

- 1. Bauer MEE, Giles AR, Brussoni M. **"As long as there's no mortal risk": the perspectives of members in combat arms occupations on children's outdoor risky play**. Qualitative Research in Sport, Exercise and Health. 2021:1-12. Available from: <u>https://doi.org/10.1080/2159676X.2021.2019097</u>.
- Dipnall JF, Rivara FP, Lyons RA, Ameratunga S, Brussoni M, Lecky FE, et al. Predictors of healthrelated quality of life following injury in childhood and adolescence: a pooled analysis. Inj Prev. 2021:injuryprev-2021-044309. Available from: https://injuryprevention.bmj.com/content/injuryprev/early/2021/12/21/injuryprev-2021-044309.full.pdf.
- Han CS, Brussoni MJ, Mâsse LC. Parental autonomy support in the context of parent-child negotiation for children's independent mobility: 'I always feel safer with my parents' to 'boom! Bust down those walls!'. Journal of Early Adolescence. 2022:02724316211064513. Available from: <u>https://doi.org/10.1177%2F02724316211064513</u>.
- McLean MA, Scoten OC, Yu W, Ye XY, Petrie J, Church PT, et al. Lower maternal chronic physiological stress and better child behavior at 18 months: Follow-up of a cluster randomized trial of NICU family integrated care. Journal of Pediatrics. 2022. Available from: <u>https://doi.org/10.1016/j.jpeds.2021.12.055</u>.
- 5. Schonert-Reichl KA. Chapter 12. Measuring and monitoring children's social and emotional competence and well-being in schools, families, and communities at the population level. The Middle Years Development Instrument. In: Jones SM, Lesaux NK, Barnes SP, Abenavoli RM, Berry DJ, editors. *Measuring noncognitive skills in school settings: Assessments of executive function and social-emotional competencies*. New York, NY: Guilford Press; 2022. Available from: https://www.routledge.com/Measuring-Noncognitive-Skills-in-School-Settings-Assessments-of-Executive/Jones-Lesaux-Barnes-Abenavoli-Berry/p/book/9781462548668.
- Schroeder J, Rowcliffe P, Smyth T. Stories from the field: the HELP story; "How are our children doing?". North Andover, MA: Center for Systems Awareness; 2021 Summer. Available from: https://www.systemsawareness.org/stories-from-the-field-the-help-story-how-are-our-children-doing/.
- Spadafora N, Reid-Westoby C, Pottruff M, Janus M. Family responsibilities and mental health of kindergarten educators during the first COVID-19 pandemic lockdown in Ontario, Canada. medRxiv. 2022. Available from:
 - https://www.medrxiv.org/content/medrxiv/early/2022/01/11/2021.05.11.21257057.full.pdf.
- Vickerson R, Friendly M, Forer B, Mohamed SS, Nguyen T. One year later: Follow up results from a survey on COVID-19 and child care in Canada. Toronto, ON: Childcare Resource and Research Unit; 2022 Jan. Available from: <u>https://childcarecanada.org/publications/other-publications/22/01/one-year-later-follow-results-survey-covid-19-and-child-care</u>.

HELP RESOURCES

Website – for new HELP resources and information

 Human Early Learning Partnership (HELP). About - All children thriving in healthy societies. Vancouver, BC: University of British Columbia, School of Population and Public Health, HELP; Available from: <u>www.earlylearning.ubc.ca</u>.



BIOLOGY/NEUROBIOLOGY ("early experiences")

- Lopez M, Ruiz MO, Rovnaghi CR, Tam GK, Hiscox J, Gotlib IH, et al. The social ecology of childhood and early life adversity. Pediatr Res. 2021;89(2):353-67. Available from: https://doi.org/10.1038/s41390-020-01264-x.
- McGill MG, Pokhvisneva I, Clappison AS, McEwen LM, Beijers R, Tollenaar MS, et al. Maternal Prenatal Anxiety and the Fetal Origins of Epigenetic Aging. Biol Psychiatry. 2022;91(3):303-12. Available from: <u>https://doi.org/10.1016/j.biopsych.2021.07.025</u>.
- Moore SR, Merrill SM, Sekhon B, MacIsaac JL, Kobor MS, Giesbrecht GF, et al. Infant DNA methylation: an early indicator of intergenerational trauma? Early Hum Dev. 2022;164. Available from: <u>https://doi.org/10.1016/j.earlhumdev.2021.105519</u>.

CHILDCARE, ECD SERVICES

Policy, Practice – general

- Cosco NG, Wells NM, Monsur M, Goodell LS, Zhang D, Xu T, et al. Research Design, Protocol, and Participant Characteristics of COLEAFS: A Cluster Randomized Controlled Trial of a Childcare Garden Intervention. Int J Environ Res Public Health. 2021;18(24):13066. Available from: <u>https://www.mdpi.com/1660-4601/18/24/13066</u>.
- Kenney EL, Mozaffarian RS, Frost N, Ayers Looby A, Cradock AL. Opportunities to Promote Healthy Weight Through Child Care Licensing Regulations: Trends in the United States, 2016-2020. Journal of the Academy of Nutrition and Dietetics. 2021;121(9):1763-74.e2. Available from: https://www.sciencedirect.com/science/article/pii/S2212267221001441.
- 3. National Academies of Sciences E, Medicine. Addressing the Impact of COVID-19 on the Early Care and Education Sector. Washington, DC: The National Academies Press; 2022. Available from: <u>https://www.nap.edu/catalog/26463/addressing-the-impact-of-covid-19-on-the-early-care-and-education-sector</u>.
- Smith J. From "nobody's clapping for us" to "bad moms": COVID-19 and the circle of childcare in Canada. Gender, Work & Organization. 2022;29(1):353-67. Available from: <u>https://onlinelibrary.wiley.com/doi/abs/10.1111/gwao.12758</u>.
- Vickerson R, Friendly M, Forer B, Mohamed SS, Nguyen T. One year later: Follow up results from a survey on COVID-19 and child care in Canada. Toronto, ON: Childcare Resource and Research Unit; 2022 Jan. Available from: <u>https://childcarecanada.org/publications/other-publications/22/01/one-year-later-follow-results-survey-covid-19-and-child-care</u>.

Outdoor play, physical activity

- 1. Aminpour F. From the child's perspective: How the layout of outdoor school environments shapes conflict between children's self-directed play. J Environ Psychol. 2022;79:101727. Available from: https://www.sciencedirect.com/science/article/pii/S0272494421001808.
- Bruijns BA, Johnson AM, Irwin JD, Burke SM, Driediger M, Vanderloo LM, et al. Training may enhance early childhood educators' self-efficacy to lead physical activity in childcare. BMC Public Health. 2021;21(1):386. Available from: <u>https://doi.org/10.1186/s12889-021-10400-z</u>.
- Connelly J-A, Manningham S, Champagne M. Factors related to energetic play during outdoor time in childcare centres. Early Childhood Educ J. 2021;49(3):441-9. Available from: <u>https://link.springer.com/article/10.1007/s10643-020-01088-8</u>.



- Gans KM, Jiang Q, Tovar A, Kang A, McCardle M, Risica PM. Physical Activity and Screen Time Practices of Family Child Care Providers: Do They Meet Best Practice Guidelines? Child Obes. 2021. Available from: <u>https://www.ncbi.nlm.nih.gov/pubmed/34851731</u>.
- Harper NJ, Lim C, Alqallaf H, Naylor PJ. A case study exploring the 'real world' process of 'naturalizing' school playgrounds. Int J Environ Health Res. 2021;31(3):298-314. Available from: <u>https://doi.org/10.1080/09603123.2019.1656174</u>.
- Herr RM, Diehl K, Schneider S, Osenbruegge N, Memmer N, Sachse S, et al. Which Meso-Level Characteristics of Early Childhood Education and Care Centers Are Associated with Health, Health Behavior, and Well-Being of Young Children? Findings of a Scoping Review. Int J Environ Res Public Health. 2021;18(9):4973. Available from: <u>https://doi.org/10.3390/ijerph18094973</u>.
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- 11. McConnell-Nzunga J, Weatherson KA, Masse L, Carson V, Faulkner G, Lau E, et al. Child Care Setting and Its Association With Policies and Practices That Promote Physical Activity and Physical Literacy in the Early Years in British Columbia. Journal of Physical Activity and Health. 2020;17(4):429-34. Available from: <u>https://journals.humankinetics.com/view/journals/jpah/17/4/articlep429.xml</u>.
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20for%20Outdoor%20Learning%20in%20Elementary%20Schools%20A%20Systemic%20Perspective.pdf.

- 14. Parker R, Al-Maiyah S. **Developing an integrated approach to the evaluation of outdoor play settings: rethinking the position of play value**. Children's Geographies. 2022;20(1):1-23. Available from: <u>https://doi.org/10.1080/14733285.2021.1912294</u>.
- 15. Pawlowski CS, Nielsen JV, Schmidt T. A Ban on Smartphone Usage during Recess Increased Children's Physical Activity. Int J Environ Res Public Health. 2021;18(4). Available from: https://www.ncbi.nlm.nih.gov/pubmed/33669387.



- 16. Predy M, Holt N, Carson V. **Examining correlates of outdoor play in childcare centres**. Canadian Journal of Public Health. 2021;112(2):292-303. Available from: <u>https://doi.org/10.17269/s41997-020-00404-4</u>.
- 17. Szpunar M, Driediger M, Johnson AM, Vanderloo LM, Burke SM, Irwin JD, et al. Impact of the Childcare Physical Activity (PLAY) Policy on Young Children's Physical Activity and Sedentary Time: A Pilot Clustered Randomized Controlled Trial. Int J Environ Res Public Health. 2021;18(14). Available from: <u>https://www.ncbi.nlm.nih.gov/pubmed/34299917</u>.
- 18. Szpunar M, Johnson AM, Driediger M, Burke SM, Irwin JD, Shelley J, et al. Implementation Adherence and Perspectives of the Childcare PhysicaL ActivitY (PLAY) Policy: A Process Evaluation. Health Educ Behav. 2021:1090198121996285. Available from: <u>https://journals.sagepub.com/doi/abs/10.1177/1090198121996285</u>.
- 19. Virgara R, Phillips A, Lewis LK, Baldock K, Wolfenden L, Ferguson T, et al. Interventions in outsideschool hours childcare settings for promoting physical activity amongst schoolchildren aged 4 to 12 years. The Cochrane database of systematic reviews. 2021;9:CD013380. Available from: <u>https://doi.org/10.1002/14651858.cd013380.pub2</u>.
- 20. Waite S, Husain F, Scandone B, Forsyth E, Piggott H. 'It's not for people like (them)': structural and cultural barriers to children and young people engaging with nature outside schooling. Journal of Adventure Education & Outdoor Learning. 2021:1-20. Available from: https://doi.org/10.1080/14729679.2021.1935286.

CHILD DEVELOPMENT (GENERAL)

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- McArthur BA, Browne D, Racine N, Tough S, Madigan S. Screen Time as a Mechanism Through Which Cumulative Risk is Related to Child Socioemotional and Developmental Outcomes in Early Childhood. Research on Child & Adolescent Psychopathology. 2022:1-12. Available from: https://doi.org/10.1007/s10802-021-00895-w.



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- 8. Rai J, Kuzik N, Carson V. Demographic, parental and home environment correlates of traditional and mobile screen time in preschool-aged children. Child Care Health Dev. 2022. Available from: <u>https://www.ncbi.nlm.nih.gov/pubmed/34993994</u>.
- Skene K, O'Farrelly CM, Byrne EM, Kirby N, Stevens EC, Ramchandani PG. Can guidance during play enhance children's learning and development in educational contexts? A systematic review and meta-analysis. Child Dev. 2022. Available from: <u>https://doi.org/10.1111/cdev.13730</u>.
- 10. ten Braak D, Lenes R, Purpura DJ, Schmitt SA, Størksen I. Why do early mathematics skills predict later mathematics and reading achievement? The role of executive function. J Exp Child Psychol. 2022;214. Available from: https://doi.org/10.1016/j.jecp.2021.105306.

Language, Literacy

 Giguere D, Dickson DJ, Tulloch MK, Hoff E. Majority language skill, not measures of bilingualism, predicts executive attention in bilingual children. J Exp Child Psychol. 2022;213:105256. Available from: <u>https://www.ncbi.nlm.nih.gov/pubmed/34384946</u>.

INDIGENOUS

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MIDDLE YEARS

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PARTNERSHIPS, HUBS, INTEGRATED CENTRES/SERVICES

 National Academies of Sciences Engineering and Medicine. Measuring the Opportunity Gap for Children from Birth to Age Eight and Understanding Barriers to Access: Proceedings of a Workshop-in Brief. Dean I, editor. Washington, DC: The National Academies Press; 2021. Available from: <u>https://www.nap.edu/catalog/26416/measuring-the-opportunity-gap-for-children-from-birth-to-age-eight-and-understanding-barriers-to-access</u>.

POLICY, PRACTICE, INTERVENTIONS

- Alimi IO, Mathies I, Archibald A, Compton C, Keku E. Improving Child Mental Health Policy in Canada. Cureus. 2021;13(11):e19974. Available from: <u>https://www.ncbi.nlm.nih.gov/pubmed/34984134</u>.
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- 4. Waddell C, Catherine N, Barican J, Yung D, Cullen A, Gray-Grant D, et al. Promoting mental health in the early years: Effective psychosocial interventions. Burnaby, BC: Children's Health Policy Centre, Faculty of Health Sciences, Simon Fraser University; 2021 Dec. Available from: https://childhealthpolicy.ca/wp-content/uploads/2021/12/SFU-RCY-Early-Years-2021.12.10.pdf.

SCREENING (tools, methods, school readiness, etc)

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 Storey E. Developing social-emotional competencies in youth: Validation of the short form for the emotional quotient inventory youth version (EQ-I:YV-S). Peterborough, ON: Trent University; 2021. Available from: <u>http://digitalcollections.trentu.ca/islandora/object/etd:996</u>.

SOCIAL DETERMINANTS

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- Tomopoulos S, Duh-Leong C, Fierman AH. Economic Coaching: Addressing Poverty as a Means of Improving Early Child Development. Pediatrics. 2022;149(1). Available from: <u>https://www.ncbi.nlm.nih.gov/pubmed/34927196</u>.

SOCIOEMOTIONAL

- Arslan G, Yildirim M, Zangeneh M, Ak I. Benefits of Positive Psychology-Based Story Reading on Adolescent Mental Health and Well-Being. Child Indic Res. 2022:1-13. Available from: <u>https://www.ncbi.nlm.nih.gov/pubmed/35013685</u>.
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