

HUMAN DEVELOPMENT RESEARCH REVIEW

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CONTENTS

- HELP FACULTY and AFFILIATE
- BIOLOGY/NEUROBIOLOGY ("early experiences")
- CHILDCARE, ECD SERVICES
- CHILD DEVELOPMENT (GENERAL)
- INDIGENOUS
- MIDDLE YEARS
- PARTNERSHIPS, HUBS, INTEGRATED SERVICES
- POLICY, PRACTICE, INTERVENTIONS
- SCREENING
- SOCIAL DETERMINANTS (Income, Employment, Housing, Food Security, Inequity, etc)
- SOCIOEMOTIONAL
- MEDIA
- SPECIAL

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

Developmental profiles of children at risk for autism spectrum disorder at school entry.

Brenda Poon, Assistant Professor, Human Early Learning Partnership, and coauthors

"Comparison of children in British Columbia who have been referred for an autism assessment, with or without a diagnosis, shows similarities in their functional and developmental profiles in kindergarten. Furthermore, both groups of children have more difficulties than typically developing children. However, children who have been referred for assessment without an autism diagnosis receive less financial support at school entry, raising important questions on equity."



The International Science and Evidence-based Education Assessment: ISEE Assessment Working Group 1.

Kim Schonert-Reichl (right) and Working Group members "The accompanying Summary for Decision-Makers (SDM) addresses overarching key questions and translates the answers into policy-relevant recommendations. In addition, the Assessment highlights gaps in knowledge and suggests potential future research agendas."



Body weight at age four years and readiness to start school: a prospective cohort study.

Magdalena Janus, Affiliate Associate Professor, School of Population and coauthors

"Being classified as overweight or with obesity was associated with poor school readiness in year 2 of kindergarten. Early interventions to promote healthy growth before school entry may help promote development and school readiness in young children."



Nurturing through nature - - \$1.3 million grant will help increase outdoor play in daycares.

Mariana Brussoni, Director, Human Early Learning Partnership "The research project, led by Dr. Mariana Brussoni, is called PRO-ECO, "Promoting Early Childhood Outside," and the team has been given a \$1.3 million grant from the federal government's Early Learning and Child Care Innovation Program to launch the second phase of the study."



Applying research about the social/medical spending ratio to federal and provincial budget allocations between ministries.

Paul Kershaw, Professor, University of British Columbia Dr. Paul Kershaw is a UBC Faculty of Medicine researcher recently awarded CIHR Project Grant.





HUMAN DEVELOPMENT RESEARCH REVIEW

HELP FACULTY and AFFILIATE (selected publications)

- 1. British Columbia Children's Hospital Research Institute. **Nurturing through nature \$1.3 million grant will help increase outdoor play in daycares**. Vancouver, BC: BCCHR; 2022 Jul 11. Available from: https://www.bcchr.ca/news/daycare-outdoor-play.
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 UNESCO; 2022. p. 252-325. Available from: https://unesdoc.unesco.org/search/45123268-860f-416e-8a9e-f9e0e190a61d.
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- 5. University of British Columbia Faculty of Medicine. **Nurturing through nature**. Vancouver, BC: UBC; 2022 Jul 11. Available from: https://www.bcchr.ca/news/daycare-outdoor-play.

HELP RESOURCES

See: https://twitter.com/HELP_UBC?ref_src=twsrc%5Egoogle%7Ctwcamp%5Eserp%7Ctwgr%5Eauthor

BIOLOGY/NEUROBIOLOGY ("early experiences")

- Abdul-Hussein A, Kareem A, Tewari S, Bergeron J, Briollais L, Challis JRG, et al. Early life risk and resiliency factors and their influences on developmental outcomes and disease pathways: a rapid evidence review of systematic reviews and meta-analyses. J Dev Orig Health Dis. 2021;12(3):357-72. Available from: <a href="https://www.cambridge.org/core/article/early-life-risk-and-resiliency-factors-and-their-influences-on-developmental-outcomes-and-disease-pathways-a-rapid-evidence-review-of-systematic-reviews-and-metaanalyses/667FFB900B6CCD668975C032E9F8483E.
- Graf GH, Li X, Kwon D, Belsky DW, Widom CS. Biological aging in maltreated children followed up into middle adulthood. Psychoneuroendocrinology. 2022;143:105848. Available from: https://www.sciencedirect.com/science/article/pii/S0306453022001895.
- University of Lethbridge News Staff. U of L study focuses on connection between social interaction and brain health. Lethbridge, AB: University of Lethbridge; 2022 Jul 4. Available from: https://lethbridgenewsnow.com/2022/07/04/u-of-l-study-focuses-on-connection-between-social-interaction-and-brain-health/.



CHILDCARE, ECD SERVICES

- 1. Akbari E, Vinet I. Canada's child-care investment needs to advance climate change policy goals. The Conversation. 2022.
- Garon-Carrier G, Ansari A, Letarte M-J, Fitzpatrick C. Early childcare enrollment and the pursuit of higher education: A Canadian longitudinal study. Learning & Instruction. 2022;80. Available from: https://doi.org/10.1016/j.learninstruc.2022.101615.

CHILD DEVELOPMENT (GENERAL)

- 1. Alexandre S, Xu Y, Washington-Nortey M, Chen C-C. **Informal STEM Learning for Young Children: A Systematic Literature Review**. Int J Environ Res Public Health. 2022;19(14):8299. Available from: https://www.mdpi.com/1660-4601/19/14/8299.
- Clayton P, Connelly J, Ellington M, Rojas V, Lorenzo Y, Trak-Fellermeier MA, et al. Facilitators and barriers of children's participation in nutrition, physical activity, and obesity interventions: A systematic review. Obes Rev. 2021;22(12):e13335. Available from: https://onlinelibrary.wiley.com/doi/abs/10.1111/obr.13335.
- 3. Kalembo FW, Kendall GE. A systematic review of interventions that have the potential to foster engaged fathering to enhance children's health and development. Child & Family Social Work. 2022;27(3):545-66. Available from: https://doi.org/10.1111/cfs.12897.
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- 5. Melby PS, Nielsen G, Brønd JC, Tremblay MS, Bentsen P, Elsborg P. **Associations between children's physical literacy and well-being: is physical activity a mediator?** BMC Public Health. 2022;22(1):1267. Available from: https://doi.org/10.1186/s12889-022-13517-x.
- 6. Oh C, Carducci B, Vaivada T, Bhutta ZA. Interventions to Promote Physical Activity and Healthy Digital Media Use in Children and Adolescents: A Systematic Review. Pediatrics. 2022;149(Supplement 6). Available from: https://doi.org/10.1542/peds.2021-0538521.
- 7. Omand JA, Li X, Keown-Stoneman CDG, Borkhoff CM, Duku E, Lebovic G, et al. **Body Weight at Age Four Years and Readiness to Start School: A Prospective Cohort Study**. Child Obes. 2022. Available from: https://doi.org/10.1089/chi.2022.0018.
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INDIGENOUS

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- McQuaid RJ, Schwartz FD, Blackstock C, Matheson K, Anisman H, Bombay A. Parent-Child Separations and Mental Health among First Nations and Métis Peoples in Canada: Links to Intergenerational Residential School Attendance. Int J Environ Res Public Health. 2022;19(11). Available from: https://doi.org/10.3390/ijerph19116877.

MIDDLE YEARS

- Hirani S, Ojukwu E, Bandara NA. Prosocial behavior and youth mental health outcomes: A scoping review protocol. PLoS One. 2022;17(6):e0270089. Available from: https://doi.org/10.1371/journal.pone.0270089.
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PARTNERSHIPS, HUBS, INTEGRATED CENTRES/SERVICES

POLICY, PRACTICE, INTERVENTIONS

- Enns JE, Nickel NC, Chateau D, Katz A, Sarkar J, Lambert D, et al. A longitudinal cohort study of participation in the Boys & Girls Clubs of Winnipeg. Int J Popul Data Sci. 2022;7(1):1735.
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- 3. IWK Health Centre. **Cost of injury in Atlantic Canada**. Halifax, NS: IWK Health Centre; 2022 Jul. Available from: https://costofinjury.ca/ap/en/cost-of-injury-in-atlantic-canada.
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 Intergenerational effects of the Fast Track intervention on the home environment:
 A randomized control trial. J Child Psychol Psychiatry. 2022. Available from:
 https://doi.org/10.1111/jcpp.13648.
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SCREENING (tools, methods, school readiness, etc)

Durham Region Health Department. The guide to health Neighbourhoods. ON: Durham Region
Health Department; 2022. Available from: https://www.durham.ca/en/health-and-wellness/resources/Documents/HealthInformationServices/HealthNeighbourhoods/guide.pdf.

SOCIAL DETERMINANTS

Olstad DL, Nejatinamini S, Vanderlee L, Livingstone KM, Campbell DJT, Tang K, et al. Are stress-related pathways of social status differentiation more important determinants of health inequities in countries with higher levels of income inequality? Sociol Health Illn. 2022;44(3):663-91. Available from: https://onlinelibrary.wiley.com/doi/abs/10.1111/1467-9566.13445.

SOCIOEMOTIONAL

Hayashi A, Liew J, Aguilar SD, Nyanamba JM, Zhao Y. Embodied and Social-Emotional Learning (SEL) in Early Childhood: Situating Culturally Relevant SEL in Asian, African, and North American Contexts. Early Education & Development. 2022;33(5):746-63. Available from: https://doi.org/10.1080/10409289.2021.2024062.

MEDIA (HELP general)

- 1. British Columbia Children's Hospital Research Institute. **Nurturing through nature \$1.3 million grant will help increase outdoor play in daycares**. Vancouver, BC: BCCHR; 2022 Jul 11. Available from: https://www.bcchr.ca/news/daycare-outdoor-play.
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SPECIAL

Children's Environmental Health

- Dabaja ZF. Reviewing two decades of research on the Forest School impact on children: The sequel. Education 3-13. 2022;50(6):737-50. Available from: https://doi.org/10.1080/03004279.2021.1905019.
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Covid-19

 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. Teaching & Teacher Education. 2022;115:N.. Available from: https://www.medrxiv.org/content/10.1101/2021.05.11.21257057v1.

For more information visit www.earlylearning.ubc.ca/library/citations

Michele Wiens, Senior Manager (Knowledge Management) Email michele.wiens@ubc.ca 2206 East Mall, UBC
Vancouver, BC V6T 1Z3
Phone 604. 822. 1278
Email earlylearning@ubc.ca
Web www.earlylearning.ubc.ca

Faculty of Medicine, SPPH