

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, particularly social epigenetics, social determinants of health, socio-emotional learning, Aboriginal 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. How to access the items? Click on the link related to each entry and it should take you to the item. 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

Immigrant and ethnic neighbourhood concentration and reduced child developmental vulnerability. A Canadian cohort study.

Magdalena Janus, Associate Professor, Human Early Learning Partnership, and co-authors

“Testing a variety of neighbourhood factors, including immigrant or ethnic concentration and characteristics of structural disadvantage, we sought to identify factors associated with more or less developmental vulnerability than that predicted by median neighbourhood income, for young children.”



Community Data at Work: Exploring Local Patterns and Trends in the Early Years.

Kate Buium, Early Years Knowledge to Action Lead, Human Early Learning Partnership

Community Data at Work: Exploring Patterns and Trends in the Early Years walks viewers through Early Development Instrument (EDI) Wave 7 Community Profile reports, highlighting key data and providing tips about how to interpret the community level data found in the report.



New DNA test that reveals a child's true age

Michael Kobor, Professor, Human Early Learning Partnership

“Epigenetic clocks are a new type of biological test currently capturing the attention of the scientific community, private companies and governmental agencies because of their potential to reveal an individual’s “true” age.”



How governments have underinvested in younger people for 40 years

Paul Kershaw, Associate Professor, Human Early Learning Partnership

“New Gen Squeeze research shows where government spending has gone and what it means for our future”



HUMAN DEVELOPMENT RESEARCH REVIEW

HELP FACULTY and AFFILIATE (selected publications)

1. de Lima RMS, Barth B, Arcego DM, de Mendonça Filho EJ, Clappison A, Patel S, et al. Amygdala 5-HTT Gene Network Moderates the Effects of Postnatal Adversity on Attention Problems: Anatomic-Functional Correlation and Epigenetic Changes. *Front Neurosci.* 2020 2020-March-17;14(198). Available from: <https://www.frontiersin.org/article/10.3389/fnins.2020.00198>.
2. Deyessa N, Webb S, Duku E, Garland A, Fish I, Janus M, et al. Epidemiological study of a developmentally and culturally sensitive preschool intervention to improve school readiness of children in Addis Ababa, Ethiopia. *J Epidemiol Community Health.* 2020:jech-2019-213019. Available from: <https://jech.bmj.com/content/jech/early/2020/03/04/jech-2019-213019.full.pdf>.
3. Huels A, Wedderburn CJ, Groenewold NA, Gladish N, Jones M, Koen N, et al. Newborn Differential DNA Methylation and Subcortical Brain Volumes as Early Signs of Severe Delay in Neurodevelopment. *medRxiv.* 2020:2020.03.13.20035501. Available from: <https://www.medrxiv.org/content/medrxiv/early/2020/03/17/2020.03.13.20035501.full.pdf>.
4. Kershaw P. How governments have underinvested in younger people for 40 years. Vancouver, BC: Generation Squeeze; 2020 Feb 19. Available from: <https://www.gensqueeze.ca/40-years-of-underinvestment>.
5. McRae DN, Muhajarine N, Janus M, Duku E, Brownell M, Forer B, et al. Immigrant and ethnic neighbourhood concentration and reduced child developmental vulnerability. A Canadian cohort study. *International Journal of Population Data Science.* 2020 Feb 26;5(1). Available from: <https://ijpds.org/article/view/1147>.

HELP RESOURCES

1. Buium K. Community Data at Work: Exploring Local Patterns and Trends in the Early Years. Vancouver, BC: University of British Columbia, School of Population and Public Health, Human Early Learning Partnership; 2020. Available from: <https://www.youtube.com/watch?v=5HFMOyvVblw>.

BIOLOGY/NEUROBIOLOGY (“early experiences”)

1. Bornstein MH, Putnick DL, Bohr Y, Abdelmaseh M, Lee CY, Esposito G. Maternal sensitivity and language in infancy each promotes child core language skill in preschool. *Early Child Res Q.* 2020 2020 2nd Quarter;51:483-9. Available from: <https://www.sciencedirect.com/science/article/pii/S0885200620300028>.
2. Enlow MB, Kane-Grade F, De Vivo I, Petty CR, Nelson CA. Patterns of Change in Telomere Length over the First Three Years of Life in Healthy Children. *Psychoneuroendocrinology.* 2020 2020/02/20/:104602. Available from: <http://www.sciencedirect.com/science/article/pii/S0306453020300214>.
3. Linnér A, Almgren M. Epigenetic programming-The important first 1000 days. *Acta Paediatr.* 2020;109(3):443-52. Available from: <https://doi.org/10.1111/apa.15050>.

4. van der Leek AP, Bahreinian S, Chartier M, Dahl M, Azad MB, Brownell MD, et al. Maternal distress during pregnancy and recurrence in early childhood predicts atopic dermatitis and asthma in childhood. *Chest*. 2020. Available from: <https://doi.org/10.1016/j.chest.2020.01.052>.

CHILDCARE, ECD SERVICES

1. Association for Library Service for Children. Best Practices for Cleaning Play and Learn Spaces. ALSC; 2017; Available from: <https://www.alsc.org/blog/2017/04/best-practices-cleaning-play-learn-spaces/>.
2. Herbst CM, Desouza KC, Al-Ashri S, Srivatsav Kandala S, Khullar M, Bajaj V. What do parents value in a child care provider? Evidence from Yelp consumer reviews. *Early Child Res Q*. 2020 2020 2nd Quarter;51:288-306. Available from: <http://ftp.iza.org/dp11741.pdf>.
3. Steckley L. Threshold concepts in residential child care: Part 2, relational practice as threshold. *Child Youth Serv Rev*. 2020 2020/05/01/;112:104825. Available from: <http://www.sciencedirect.com/science/article/pii/S0190740920301584>.
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5. Underwood KJM, Frankel EB, Parekh G, Janus M. Transitioning Work of Families: Understanding Transinstitutional Power in Early Childhood Programs and Services. *Exceptionality Education International*. 2019;29(3):135-53. Available from: <https://www.ryerson.ca/content/dam/systeme-inclusif-services-petite-enfance/centre-de-documentation/publications/Transitioning-Work-of-Families-Understanding-Trans-Institutional-Power-in-Early-Childhood-Programs-and-Services.pdf>.
6. US Centers for Disease Control and Prevention. Coronavirus Disease 2019 (COVID-19) Interim Guidance for Childcare Programs and K-12 Schools. Atlantic, GA: US Department of Health and Human Services; 2020 Mar. Available from: <https://stacks.cdc.gov/view/cdc/85133>.

CHILD DEVELOPMENT (GENERAL)

1. Belmon LS, Busch V, van Stralen MM, Stijnman DPM, Hidding LM, Harmsen IA, et al. Child and Parent Perceived Determinants of Children's Inadequate Sleep Health. A Concept Mapping Study. *Int J Environ Res Public Health*. 2020;17(5):1583. Available from: <https://www.mdpi.com/1660-4601/17/5/1583>.
2. Carson V, Ezeugwu VE, Tamana SK, Chikuma J, Lefebvre DL, Azad MB, et al. Associations between meeting the Canadian 24-Hour Movement Guidelines for the Early Years and behavioral and emotional problems among 3-year-olds. *J Sci Med Sport*. 2019;22(7):797-802. Available from: <http://www.sciencedirect.com/science/article/pii/S1440244018310272>.
3. Chen Y, Haines J, Charlton BM, VanderWeele TJ. Positive parenting improves multiple aspects of health and well-being in young adulthood. *Nat Hum Behav*. 2019 Jul;3(7):684-91. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/31061491>.
4. Harris JL, Webb V, Sacco SJ, Pomeranz JL. Marketing to Children in Supermarkets: An Opportunity for Public Policy to Improve Children's Diets. *Int J Environ Res Public Health*. 2020;17(4):1284. Available from: <https://www.mdpi.com/1660-4601/17/4/1284>.
5. Herbert J, Matfusz P, Lenik J, Szybisty A, Baran J, Przednowek K, et al. Objectively Assessed Physical Activity of Preschool-Aged Children from Urban Areas. *Int J Environ Res Public Health*. 2020;17(4):1375. Available from: <https://www.mdpi.com/1660-4601/17/4/1375>.

6. Schwarzfischer P, Gruszfeld D, Socha P, Luque V, Closa-Monasterolo R, Rousseaux D, et al. Effects of screen time and playing outside on anthropometric measures in preschool aged children. *PLoS One*. 2020;15(3):e0229708. Available from: <https://doi.org/10.1371/journal.pone.0229708>.
7. Smith C, Clark AF, Wilk P, Tucker P, Gilliland JA. Assessing the effectiveness of a naturally occurring population-level physical activity intervention for children. *Public Health*. 2020 2020/01/01/;178:62-71. Available from: <http://www.sciencedirect.com/science/article/pii/S0033350619302823>.
8. Vetter M, Orr R, O'Dwyer N, O'Connor H. Effectiveness of Active Learning that Combines Physical Activity and Math in Schoolchildren: A Systematic Review. *J Sch Health*. 2020;90(4):306-18. Available from: <https://onlinelibrary.wiley.com/doi/full/10.1111/josh.12878>.
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Literacy

1. Dowdall N, Melendez-Torres GJ, Murray L, Gardner F, Hartford L, Cooper PJ, et al. Shared Picture Book Reading Interventions for Child Language Development: A Systematic Review and Meta-Analysis. *Child Dev*. 2020;91(2):e383-e99. Available from: <https://doi.org/10.1111/cdev.13225>.
2. Evans MA, Hulak L. Learning to read at home: Kindergarten children's report in relation to observed parent behaviour. *Early Child Res Q*. 2020 50:38-45. Available from: <http://www.sciencedirect.com/science/article/pii/S0885200618301455>.

INDIGENOUS

1. Lopez-Carmen V, McCalman J, Benveniste T, Askew D, Spurling G, Langham E, et al. Working together to improve the mental health of indigenous children: A systematic review. *Child Youth Serv Rev*. 2019 104:104408. Available from: <http://www.sciencedirect.com/science/article/pii/S0190740919301641>.
2. Milne E, Wotherspoon T. Schools as "Really Dangerous Places" for Indigenous Children and Youth: Schools, Child Welfare, and Contemporary Challenges to Reconciliation. *Canadian Review of Sociology/Revue canadienne de sociologie*. 2020;57(1):34-52. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/cars.12267>.
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MIDDLE YEARS

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2. Hendriks AM, Bartels M, Stevens GWJM, Walsh SD, Torsheim T, Elgar FJ, et al. National Child and Adolescent Health Policies as Indicators of Adolescent Mental Health: A Multilevel Analysis of 30 European Countries. *Journal of Early Adolescence.* 2020;40(4):537-65. Available from: <https://journals.sagepub.com/doi/10.1177/0272431619858413>.
3. Jiang S. Psychological well-being and distress in adolescents: An investigation into associations with poverty, peer victimization, and self-esteem. *Children Youth Serv Rev.* 2020;111:N.PAG-N.PAG. Available from: <https://www.sciencedirect.com/science/article/pii/S0190740919308825>.
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5. McCreary Centre Society. Balance and Connection in Central Vancouver Island. The health and well-being of our youth. Results of the 2018 BC Adolescent Health Survey Report. Vancouver, BC: McCreary Centre Society; 2020 Feb. Available from: https://www.mcs.bc.ca/pdf/balance_and_connection_centralvancouverisland.pdf.
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9. Scottish Government. Adolescents' screen time, sleep and mental health: literature review. Scotland: Sottish Government; 2020 Feb 20. Available from: <https://www.gov.scot/publications/systematic-literature-review-relationship-between-adolescents-screen-time-sleep-mental-health/>.

PARTNERSHIPS, HUBS, INTEGRATED CENTRES/SERVICES

POLICY, PRACTICE, INTERVENTIONS

1. Child and Family Services Act Advisory Committee, Caley-Verdonk M, Sydney R, Anderson D, Duncan L, Hoffman D, et al. *Embracing the Children of Yesterday, Today and Tomorrow.* Whitehorse, YK:

- Government of the Yukon Territory; 2019. Available from: <http://www.hss.gov.yk.ca/pdf/CFSA-report-oct2019.pdf>.
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 3. Parrish A-M, Tremblay MS, Carson S, Veldman SLC, Cliff D, Vella S, et al. Comparing and assessing physical activity guidelines for children and adolescents: a systematic literature review and analysis. *Int J Behav Nutr Phys Activity*. 2020;17(1):16. Available from: <https://doi.org/10.1186/s12966-020-0914-2>.
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SCREENING (tools, methods, school readiness, etc)

SOCIAL DETERMINANTS

1. Webinar: Applying a health equity lens to program planning: National Collaborating Centre for Determinants of Health (NCCDH) and the National Collaborating Centre for Methods and Tools (NCCMT); 2020 Mar 18. Available from: http://nccdh.ca/workshops-events/entry/webinar-action-on-health-equity-through-early-childhood-development-program?utm_source=Feb20E-News&utm_medium=email&utm_campaign=2020-Mar18webinar&mc_cid=ef76d6045e&mc_eid=04816d6ac3.
2. Jadavji T, Lang R, Gill MJ. Protecting the health of children moving to Canada. *The Lancet*. 2019 2019/11/23/;394(10212):1901-2. Available from: <http://www.sciencedirect.com/science/article/pii/S0140673619319130>.

SOCIOEMOTIONAL

1. Catalano RF, Kellogg E. Fostering Healthy Mental, Emotional, and Behavioral Development in Children and Youth: A National Agenda. *J Adolesc Health*. 2020 2020/03/01/;66(3):265-7. Available from: <http://www.sciencedirect.com/science/article/pii/S1054139X1930919X>.
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3. Liebenberg L, Joubert N. A Comprehensive Review of Core Resilience Elements and Indicators: Findings of Relevance to Children and Youth. *International Journal of Child and Adolescent Resilience (IJCAR)*. 2019 12/20;6(1). Available from: <https://ijcar-rirea.ca/index.php/ijcar-rirea/article/view/95>.

4. Van Lieshout RJ, Savoy CD, Boyle MH, Georgiades K, Jack SM, Niccols A, et al. The Mental Health of Young Canadian Mothers. *J Adolesc Health*. 2020 2020/02/10/. Available from: <http://www.sciencedirect.com/science/article/pii/S1054139X19308754>.

MEDIA (HELP general)

1. Samson R. Sensing the Subtle: The Highly Sensitive Child. Why some children are more strongly affected by their environment than others. *Psychol Today*. 2020 Mar 5. Available from: <https://www.psychologytoday.com/ca/blog/the-highly-sensitive-child/202003/sensing-the-subtle-the-highly-sensitive-child>.

SPECIAL

1. Kulig JC, Dabravolskaj J. The psychosocial impacts of wildland fires on children, adolescents and family functioning: a scoping review. *International Journal of Wildland Fire*. 2020;29(2):93-103. Available from: <https://www.publish.csiro.au/paper/WF18063>.
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