

HUMAN DEVELOPMENT RESEARCH REVIEW

VOL 3 (1) JANUARY 2019



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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

Association of childhood social-emotional functioning profiles at school entry with early-onset mental health conditions.

Kim Thomson, Graduate Student, Human Early Learning Partnership, JAMA 2019

"This study's findings suggest that more than 40% of children enter the school system with relative vulnerabilities in social-emotional functioning that are associated with early-onset mental health conditions. The results raise important questions for using population-level early childhood development monitoring in the context of universal and proactive mental health strategies."



Exploring continuities between family engagement and well-being in Aboriginal Head Start Programs in Canada: a qualitative inquiry.

Alison Gerlach (right) and Joan Gignac, Infants and Young Children, 2019.

"Findings highlight how family engagement practices in Aboriginal Head Start in Urban and Northern Communities are interdependent and continuous with practices aimed at supporting family well-being. [...] These findings have relevancy beyond Indigenous contexts to all early childhood and child health programs that are questioning how to engage with families who experience multifaceted forms of social disadvantage and marginalization."



Integration of DNA methylation patterns and genetic variation in human pediatric tissues help inform EWAS design and interpretation.

Michael Kobor, Professor, Human Early Learning Partnership, and co-authors, 2019

"...we assessed DNAm variability, cross-tissue DNAm concordance and genetic determinants of DNAm across two independent early life cohorts encompassing different ages."



Orchids and dandelions.

Tom Boyce, Professor Emeritus, Human Early Learning Partnership, 2019

"Many children are able to thrive in any environment, while others may flourish only under the most favorable conditions. New findings reveal the complex interplay of factors that creates "dandelion" and "orchid" kids."



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HELP FACULTY and AFFILIATE (selected publications)

1. Boyce WT. **Orchids and dandelions**. Psychol Today. 2019;51(1):76-87. Available from: <https://www.psychologytoday.com/ca/articles/201901/orchids-and-dandelions>.
2. Gerlach AJ, Gignac J. **Exploring continuities between family engagement and well-being in Aboriginal Head Start Programs in Canada: a qualitative inquiry**. Infants & Young Children. 2019;32(1):60-74. Available from: https://journals.lww.com/iycjournal/Fulltext/2019/01000/Exploring_Continuities_Between_Family_Engagemen_t.6.aspx.
3. Islam SA, Goodman SJ, Maclsaac JL, Obradović J, Barr RG, Boyce WT, et al. **Integration of DNA methylation patterns and genetic variation in human pediatric tissues help inform EWAS design and interpretation**. 2019;12(1):1. Available from: <https://doi.org/10.1186/s13072-018-0245-6>.
4. Thomson KC, Richardson CG, Gadermann AM, Emerson SD, Shoveller J, Guhn M. **Association of childhood social-emotional functioning profiles at school entry with early-onset mental health conditions**. JAMA Network Open. 2019;2(1):e186694. Available from: <http://dx.doi.org/10.1001/jamanetworkopen.2018.6694>.

HELP RESOURCES

1. Human Early Learning Partnership. **HELP Talks: A Fresh Look at the “New” Science of Child Development: Recent Findings from Two Quebec Cohorts (9:30am – 12:00pm, SPPH Rm 491)**. Vancouver, BC: University of British Columbia, School of Population and Public Health; 2019 Jan 30. Available from: <http://earlylearning.ubc.ca/blog/2019/jan/23/help-talks-fresh-look-new-science-child-developmen/>.

BIOLOGY/NEUROBIOLOGY (“early experiences”)

1. Boyce WT. **Orchids and dandelions**. Psychol Today. 2019;51(1):76-87. Available from: <https://www.psychologytoday.com/ca/articles/201901/orchids-and-dandelions>.
2. Liao XP, Yu Y, Marc I, Dubois L, Abdelouahab N, Bouchard L, et al. **Prenatal determinants of childhood obesity: a review of risk factors**. Can J Physiol Pharmacol. 2019. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30661367>.
3. Lindsay KL, Buss C, Wadhwa PD, Entringer S. **The Interplay Between Nutrition and Stress in Pregnancy: Implications for Fetal Programming of Brain Development**. Biol Psychiatry. 2019;85(2):135-49. Available from: <https://doi.org/10.1016/j.biopsych.2018.06.021>.
4. Trehub SE, Cirelli LK. **Precursors to the performing arts in infancy and early childhood**. Prog Brain Res. 2018;237:225-42. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29779736>.

CHILDCARE, ECD SERVICES

1. Conroy T. **The kids are alright: working women, schedule flexibility and childcare.** *Regional Studies.* 2019;53(2):261-71. Available from: <https://www.tandfonline.com/doi/full/10.1080/00343404.2018.1462478>.
2. van de Kolk I, Goossens A, Gerards S, Kremers S, Manders R, Gubbels J. **Healthy Nutrition and Physical Activity in Childcare: Views from Childcare Managers, Childcare Workers and Parents on Influential Factors.** 2018;15(12):2909. Available from: <http://www.mdpi.com/1660-4601/15/12/2909>.

CHILD DEVELOPMENT (GENERAL)

1. Beamish N, Fisher J, Rowe H. **Parents' use of mobile computing devices, caregiving and the social and emotional development of children: a systematic review of the evidence.** *Australas Psychiatry.* 2018;1039856218789764. Available from: <https://doi.org/10.1177/1039856218789764>.
2. Canadian Public Health Association. **Unstructured play. Summary report - key informant interviews.** Ottawa, ON CPHA; 2018. Available from: https://www.cpha.ca/sites/default/files/uploads/resources/play/Key%20informant%20report_CPHA%20template.pdf.
3. Carson V, Lee E-Y, Hesketh KD, Hunter S, Kuzik N, Predy M, et al. **Physical activity and sedentary behavior across three time-points and associations with social skills in early childhood.** *BMC Public Health.* 2019;19(1):27-. Available from: <https://doi.org/10.1186/s12889-018-6381-x>.
4. Children's Commissioner for England. **Playing Out - A Children's Commissioner's report on the importance to children of play and physical activity.** London, UK 2018 Aug. Available from: <https://www.childrenscommissioner.gov.uk/wpcontent/uploads/2018/08/Play-final-report.pdf>.
5. Dutil C, Walsh JJ, Featherstone RB, Gunnell KE, Tremblay MS, Gruber R, et al. **Influence of sleep on developing brain functions and structures in children and adolescents: A systematic review.** *Sleep Med Rev.* 2018;42:184-201. Available from: <https://doi.org/10.1016/j.smrv.2018.08.003>.
6. Elliot V, Cammer A, Pickett W, Marlenga B, Lawson J, Dosman J, et al. **Towards a deeper understanding of parenting on farms: A qualitative study.** *PLoS One.* 2018;13(6):e0198796. Available from: <https://doi.org/10.1371/journal.pone.0198796>.
7. Elyasi M, Abreu LG, Olsen C, Baker SR, Lai H, Major PW, et al. **Parent's Sense of Coherence and Children's Oral Health-Related Behaviors: Is There an Association?** *Pediatr Dent.* 2018;40(1):23-9. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29482678>.
8. Gómez-Ortiz O, Romera E, Ortega-Ruiz R, Del Rey R. **Parenting Practices as Risk or Preventive Factors for Adolescent Involvement in Cyberbullying: Contribution of Children and Parent Gender.** *Int J Environ Res Public Health.* 2018;15(12):2664. Available from: <http://www.mdpi.com/1660-4601/15/12/2664>.
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12. Sege RD, Siegel BS. **Effective Discipline to Raise Healthy Children.** 2018;142(6):e20183112. Available from: <http://pediatrics.aappublications.org/content/pediatrics/142/6/e20183112.full.pdf>.
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14. Straker L, Zabatiero J, Danby S, Thorpe K, Edwards S. **Conflicting Guidelines on Young Children's Screen Time and Use of Digital Technology Create Policy and Practice Dilemmas.** *The Journal of Pediatrics.* 2018;202:300-3. Available from: <https://doi.org/10.1016/j.jpeds.2018.07.019>.
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16. Viner R, Davie M, Firth A. **The health impacts of screen time: a guide for clinicians and parents.** London, UK: Royal College of Paediatrics and Child Health; 2019 Jan. Available from: https://www.rcpch.ac.uk/sites/default/files/2018-12/rcpch_screen_time_guide_-_final.pdf.

INDIGENOUS

1. Gerlach AJ, Gignac J. **Exploring continuities between family engagement and well-being in Aboriginal Head Start Programs in Canada: a qualitative inquiry.** *Infants & Young Children.* 2019;32(1):60-74. Available from: https://journals.lww.com/iyjournal/Fulltext/2019/01000/Exploring_Continuities_Between_Family_Engagemen_t.6.aspx.
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MIDDLE YEARS

1. Bowser J, Larson JD, Bellmore A, Olson C, Resnik F. **Bullying Victimization Type and Feeling Unsafe in Middle School.** 2018;34(4):256-62. Available from: <https://journals.sagepub.com/doi/abs/10.1177/1059840518760983>.
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4. Hayre RS, Goulter N, Moretti MM. **Maltreatment, attachment, and substance use in adolescence: Direct and indirect pathways.** *Addict Behav.* 2019;90:196-203. Available from: <https://doi.org/10.1016/j.addbeh.2018.10.049>.
5. Kelly Y, Zilanawala A, Booker C, Sacker A. **Social media use and adolescent mental health: Findings from the UK Millennium Cohort Study.** *EClinicalMedicine.* 2018. Available from: <https://doi.org/10.1016/j.eclinm.2018.12.005>.

PARTNERSHIPS, HUBS, INTEGRATED CENTRES/SERVICES

1. Benzie KM, Horn SM, Barker LA, Johnston C, Berci D, Kurilova J. **Enhanced information package given at birth: Effects on early parenting experiences and use of educational resources and community services at age 3 months.** *Maternal and Child Health Journal*. 2019. Available from: https://www.terkko.helsinki.fi/article/20060781_enhanced-information-package-given-at-birth-effects-on-early-parenting-experiences-and-use-of-educational-resources-and-community-services-at-age-3-months.

POLICY, PRACTICE, INTERVENTIONS

1. Abbasi J. **American Academy of Pediatrics says no more spanking or harsh verbal discipline.** *JAMA*. 2019. Available from: <http://dx.doi.org/10.1001/jama.2018.18429>.
2. Health Canada. **Food, nutrients and health: Interim evidence update 2018.** Ottawa, ON: Health Canada; 2019 Jan. Available from: <https://www.canada.ca/en/health-canada/services/canada-food-guide/resources/evidence/food-nutrients-health-interim-evidence-update-2018.html>.
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5. Wang X, Zhou G, Zeng J, Yang T, Chen J, Li T. **Effect of educational interventions on health in childhood: a meta-analysis of randomized controlled trials.** *Public Health*. 2018;164:134-47. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30321761>.
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SCREENING (tools, methods, school readiness, etc)

1. Findlay L, Beasley E, Park J, Kohen D, Algan Y, Vitaro F, et al. **Longitudinal child data: What can be gained by linking administrative data and cohort data?** *International Journal of Population Data Science*. 2018;3(21). Available from: <https://ijpds.org/article/view/451/1021>.
2. Manhas KP, Dodd SX, Page S, Letourneau N, Adair CE, Cui X, et al. **Sharing longitudinal, non-biological birth cohort data: a cross-sectional analysis of parent consent preferences.** 2018;18(1):97. Available from: <https://doi.org/10.1186/s12911-018-0683-x>.
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SOCIAL DETERMINANTS

1. Barros A, Boutayeb A, Brown C, Dean HD, Di Ruggiero E, Ferrelli RM, et al. **Towards a global monitoring system for implementing the Rio Political Declaration on Social Determinants of Health: developing a core set of indicators for government action on the social determinants of health to improve health equity.** *International Journal for Equity in Health*. 2018;17(1):136. Available from: <https://doi.org/10.1186/s12939-018-0836-7>.

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SOCIOEMOTIONAL

1. Duran CAK, Cottone E, Ruzek EA, Mashburn AJ, Grissmer DW. **Family Stress Processes and Children's Self-Regulation.** *Child Dev.* 2018. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/cdev.13202>.
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3. O'Connor E, O'Connor M, Gray S, Goldfeld S. **Profiles of mental health competence and difficulties as predictors of children's early learning.** *School Mental Health.* 2018;10(4):402-16. Available from: <https://doi.org/10.1007/s12310-018-9252-9>.
4. Pressman SD, Jenkins BN, Moskowitz JT. **Positive Affect and Health: What Do We Know and Where Next Should We Go?** 2019;70(1):627-50. Available from: <https://www.annualreviews.org/doi/abs/10.1146/annurev-psych-010418-102955>.

MEDIA (HELP general)

SPECIAL – Children's Environmental Health

1. Gibb N. **Ten Canadian schools'. Stories of climate action. Promising practices from the 'Getting. Climate-ready' project.** Paris, France: United Nations Educational, Scientific and Cultural Organization (UNESCO); 2016 Dec. Available from: <https://unesdoc.unesco.org/ark:/48223/pf0000246740>.
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