

# 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](http://www.earlylearning.ubc.ca/library/citations).

## EDITOR PICKS

### What is the relationship between the neighbourhood built environment and time spent in outdoor play? A systematic review.

Janae Vlaar (and co-authors), Implementation Coordinator, Childhood Experiences Questionnaire (CHEQ) and Early Development Instrument (EDI), Human Early Learning Partnership

*"This systematic review examined the relationship between attributes of the neighbourhood built environment and the time children and adolescents (0–18 years) spend in self-directed outdoor play."*



### Building social and emotional competence through relationships.

Watch and listen to Kim Schonert-Reichl (right). 2019

*HELP Director Dr. Kim Schonert-Reichl shares experiences and research to demonstrate the importance of relationships in building our students' social and emotional competence and resiliency.*



### New DNA "clock" could help measure development in young children.

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

*"Scientists have developed a molecular "clock" that could reshape how pediatricians measure and monitor childhood growth and potentially allow for an earlier diagnosis of life-altering development disorders."*



### The relationship between statistical power and predictor distribution in a multilevel logistic regression: a simulation-based approach.

Oscar Olvera Astivia, Anne Gadermann, Martin Guhn - Human Early Learning Partnership

*"To assist researchers in planning research studies, a user-friendly web application that conducts power analysis via computer simulations in the R programming language is provided. With this web application, users can..."*



## HUMAN DEVELOPMENT RESEARCH REVIEW

### HELP FACULTY and AFFILIATE (selected publications)

1. Kobor M. **New DNA “clock” could help measure development in young children.** Vancouver, BC: British Columbia Children’s Hospital Research Institute; 2019. Available from: <https://bcchr.ca/news/new-dna-clock-could-help-measure-development-young-children>.
2. Lambert A, Vlaar J, Herrington S, Brussoni M. **What Is the Relationship between the Neighbourhood Built Environment and Time Spent in Outdoor Play? A Systematic Review.** Int J Environ Res Public Health. 2019;16(20):3840. Available from: <https://www.mdpi.com/1660-4601/16/20/3840>.
3. McEwen LM, O’Donnell KJ, McGill MG, Edgar RD, Jones MJ, Maclsaac JL, et al. **The PedBE clock accurately estimates DNA methylation age in pediatric buccal cells.** Proceedings of the National Academy of Sciences. 2019:201820843. Available from: <https://www.pnas.org/content/pnas/early/2019/10/09/1820843116.full.pdf>.
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6. Schonert-Reichl K. **Building Social and Emotional Competence Through Relationships.** POPFASD 2019. Available from: <https://www.youtube.com/watch?v=MLwNTnpgrs8>.

### HELP RESOURCES

#### New Human Early Learning Partnership webinar.

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2. Goodman SJ. **Contributions of intrinsic and environmental factors to early life DNA methylation.** Vancouver, BC: University of British Columbia; 2019. Available from: <https://open.library.ubc.ca/cIRcle/collections/ubctheses/24/items/1.0380993>.
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4. Reiss D, Nielsen L, Godfrey K, McEwen B, Power C, Seeman T, et al. **Midlife Reversibility of Early-Established Biobehavioral Risk Factors: A Research Agenda.** *Dev Psychol.* 2019;55(10):2203-18. Available from: <https://psycnet.apa.org/doi/10.1037/dev0000780>.
5. van Ijzendoorn MH. **Attachment at an Early Age (0-5) and its Impact on Children’s Development.** Montreal, QC: Centre of Excellence for Early Childhood Development; 2019. Available from: <http://www.child-encyclopedia.com/attachment/according-experts/attachment-early-age-0-5-and-its-impact-childrens-development>.

## CHILDCARE, ECD SERVICES

1. Garon-Carrier G. **Defining and measuring the quality of Early Learning and Child Care: A literature review.** Ottawa, ON: Employment and Social Development Canada; 2019. Available from: [http://publications.gc.ca/collections/collection\\_2019/edsc-esdc/Em20-131-2019-eng.pdf](http://publications.gc.ca/collections/collection_2019/edsc-esdc/Em20-131-2019-eng.pdf).
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## CHILD DEVELOPMENT (GENERAL)

1. Lawlor D, Lewcock M, Rena-Jones L, Rollings C, Yip V, Smith D, et al. **The second generation of The Avon Longitudinal Study of Parents and Children (ALSPAC-G2): a cohort profile.** *Wellcome Open Research.* 2019;4(36). Available from: <https://wellcomeopenresearch.org/articles/4-36/v1>.

## INDIGENOUS

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## MIDDLE YEARS

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## PARTNERSHIPS, HUBS, INTEGRATED CENTRES/SERVICES

### POLICY, PRACTICE, INTERVENTIONS

1. Bertram M, Loncarevic N, Aro AR. **REsearch into POLicy to enhance Physical Activity (REPOPA).** Denmark: Department of Public Health, Unit for Health Promotion Research, University of Southern Denmark. Available from: <https://www.nccmt.ca/impact/eidm-casebook/eidm-casebook-issue-3#REPOPA>.
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## SCREENING (tools, methods, school readiness, etc)

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## SOCIAL DETERMINANTS

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## MEDIA (HELP general)

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## SPECIAL – Children's Physical Activity, Play, and Urban Planning

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HUMAN  
EARLY LEARNING  
PARTNERSHIP



For more information visit  
[www.earlylearning.ubc.ca/library/citations](http://www.earlylearning.ubc.ca/library/citations)

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