

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

Factors predicting the stratified academic achievement trajectories of foreign-born Canadian adolescents: A population-based study.

Monique Gagné (right), Kimberly Schonert-Reichl, Catherine Costigan, Martin Guhn, Jennifer Shapka, 2019



“The results supported moving away from a one-size-fits-all understanding of the impact of migration on adolescent development and identified key factors that predicted math and language arts outcomes for foreign-born Canadian adolescents.”

Extracurricular activity profiles and wellbeing in middle childhood: A population-level study.

Eva Oberle (right), Xuejun Ji, Carly Magee, Martin Guhn, Kimberly Schonert-Reichl, Anne Gadermann, 2019



“[...] Wellbeing and health scores were highest for children in the “All Activities” and the “Sports” clusters, and lowest for those in “No Activities” and the cluster reflecting individual activities (i.e., “Individual activities”)...”

Associations of Birth Factors and Socio-Economic Status with Indicators of Early Emotional Development and Mental Health in Childhood: A Population-Based Linkage Study.

Martin Guhn (right), Scott Emerson, Dorri Mahdaviani, Anne Gadermann, 2019



“Various factors at birth, including gestational age, birthweight, and maternal demographics, were related to emotional development and mental health in childhood. Across outcomes, low socioeconomic status indicated...”

Peter Gouzouasis and Martin Guhn: Music engagement, achievement, predicts higher math, science and English grades.

Martin Guhn:

“Music matters for its own sake, but also because, as our study shows, music engagement sustained from childhood into adolescence – particularly instrumental music that begins in elementary school – is significantly related to better high school achievement.” (CC image credit: Jonathan Thorne)



Middle Years Development Instrument (MDI) Understanding & Using MDI School District Data [video].

MDI Data Trends Summary 2018/19.

MDI School District and Community Reports 2018/2019.



HUMAN DEVELOPMENT RESEARCH REVIEW

HELP FACULTY and AFFILIATE (selected publications)

1. Gagné MH, Schonert-Reichl K, Costigan C, Guhn M, Shapka JD. **Factors predicting the stratified academic achievement trajectories of foreign-born Canadian adolescents: A population-based study.** *Applied Developmental Science.* 2019;23(3):255-72. Available from: <https://www.tandfonline.com/doi/abs/10.1080/10888691.2017.1418668>.
2. Guhn M, Emerson SD, Mahdavian D, Gadermann AM. **Associations of birth factors and socio-economic status with indicators of early emotional development and mental health in childhood: a population-based linkage study.** *Child Psychiatry Hum Dev.* 2019:1-14. Available from: <https://doi.org/10.1007/s10578-019-00912-6>.
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HELP RESOURCES

1. Human Early Learning Partnership. **HELP Newsletter: Mark your calendars! Fall Expo 2019 will take place November 5.** Vancouver, BC: HELP; 2019 May. Available from: <https://mailchi.mp/ubc/help-may-2017-newsletter-1377697?e=609d4a0370>.
2. Human Early Learning Partnership. **Middle Years Development Instrument (MDI). 2018/2019 school district and community reports.** Vancouver, BC: University of British Columbia, School of Population and Public Health; 2019 Jul. Available from: <http://earlylearning.ubc.ca/maps/mdi/nh/>.
3. Human Early Learning Partnership. **MDI Data Trends Summary 2018/19.** Vancouver, BC: University of British Columbia, School of Population and Public Health; 2019 Jul. Available from: <https://mdi.ubc.ca/static/pdfs/2018-19%20MDI%20Data%20Trends.pdf>.
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BIOLOGY/NEUROBIOLOGY (“early experiences”)

1. Berry D, Blair C, Willoughby M, Granger DA, Mills-Koonce WR. **Maternal sensitivity and adrenocortical functioning across infancy and toddlerhood: Physiological adaptation to context?** *Dev Psychopathol.* 2017;29(1):303-17. Available from: <https://www.cambridge.org/core/article/maternal-sensitivity-and-adrenocortical-functioning-across-infancy-and-toddlerhood-physiological-adaptation-to-context/97B8073736FC7D2E3C7A6F0DC878666B>.
2. Bleker LS, de Rooij SR, Roseboom TJ. **Programming Effects of Prenatal Stress on Neurodevelopment—the Pitfall of Introducing a Self-Fulfilling Prophecy.** *Int J Environ Res Public Health.* 2019;16(13):2301. Available from: <https://www.mdpi.com/1660-4601/16/13/2301>.

3. Bryson H, Mensah F, Goldfeld S, Price A, Giallo R. Using hair cortisol to examine the role of maternal parenting in the transmission of stress in mother–child dyads experiencing adversity. *Psychoneuroendocrinology*. 2019. Available from: <http://www.sciencedirect.com/science/article/pii/S0306453019307255>.
4. Buckley L, Broadley M, Cascio CN. **Socio-economic status and the developing brain in adolescence: A systematic review**. *Child Neuropsychol*. 2019;25(7):859-84. Available from: <https://www.tandfonline.com/doi/abs/10.1080/09297049.2018.1549209?journalCode=ncny20>.
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11. Little K, Olsson CA, Whittle S, Macdonald JA, Sheeber LB, Youssef GJ, et al. **Sometimes It’s Good to be Short: The Serotonin Transporter Gene, Positive Parenting, and Adolescent Depression**. *Child Dev*. 2019;90(4):1061-79. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/cdev.12987>.
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14. Ranger M. **Effects of early-stress on the developing brain of preterm infants: From the bedside to the bench and back**. *Psychoneuroendocrinology*. 2019. Available from: <http://www.sciencedirect.com/science/article/pii/S030645301930873X>.

15. Whiteside-Mansell L, McKelvey L, Saccente J, Selig JP. **Adverse Childhood Experiences of Urban and Rural Preschool Children in Poverty.** *Int J Environ Res Public Health.* 2019;16(14):2623. Available from: <https://www.mdpi.com/1660-4601/16/14/2623>.
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CHILDCARE, ECD SERVICES

1. British Columbia Ministry of Children and Family Development. **Childcare BC New Spaces Fund: Single-Project Stream Funding Guidelines 2019/20.** Victoria, BC: Government of British Columbia; 2019 Jul. Available from: https://www2.gov.bc.ca/assets/gov/family-and-social-supports/child-care/running-a-daycare-or-preschool/newspaces_fund_guide.pdf.

CHILD DEVELOPMENT (GENERAL)

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11. Rodriguez-Ayllon M, Cadenas-Sánchez C, Estévez-López F, Muñoz NE, Mora-Gonzalez J, Migueles JH, et al. **Role of Physical Activity and Sedentary Behavior in the Mental Health of Preschoolers,**

Children and Adolescents: A Systematic Review and Meta-Analysis. *Sports Med.* 2019. Available from: <https://doi.org/10.1007/s40279-019-01099-5>.

Language, Literacy

1. Bedard C, St John L, Bremer E, Graham JD, Cairney J. A systematic review and meta-analysis on the effects of physically active classrooms on educational and enjoyment outcomes in school age children. *PLoS One.* 2019;14(6):e0218633. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/31237913>.
2. Cox Gurdon M. **The Enchanted Hour: The Miraculous Power of Reading Aloud in the Age of Distraction.** Toronto, ON: Harper Collins; 2019. Available from: <https://www.harpercollins.ca/9780062562814/the-enchanted-hour/>.
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INDIGENOUS

1. Cardinal S, Pepler D. **Walking Alongside to Find the Healing Pathways: Learning Through a Community Mobilization Process in Indigenous Communities.** Available at SSRN 3417877. 2019. Available from: https://papers.ssrn.com/sol3/papers.cfm?abstract_id=3417877.
2. 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: <https://www.sciencedirect.com/science/article/pii/S0190740919301641>.
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MIDDLE YEARS

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- systematic review. *Systematic reviews*. 2019;8(1):107-. Available from: <https://systematicreviewsjournal.biomedcentral.com/articles/10.1186/s13643-019-1016-6>.
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PARTNERSHIPS, HUBS, INTEGRATED CENTRES/SERVICES

1. Wiens M. **Integrated service delivery. Outcomes and evaluation processes. Literature review.** Vancouver, BC: University of British Columbia, School of Population and Public Health, Human Early Learning Partnership; 2014 Oct 24. (This review, although completed in 2014, has been popular and will be posted to the HELP website. In the meantime, if you wish to obtain a copy, please email michele.wiens@ubc.ca)

POLICY, PRACTICE, INTERVENTIONS

1. Canadian Public Health Association. **Public health in the context of health system renewal in Canada [background].** Ottawa, ON: CPHA; 2019 May. Available from: <https://www.cpha.ca/sites/default/files/uploads/policy/positionstatements/phhsr-backgrounddocument-e.pdf>.
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SCREENING (tools, methods, school readiness, etc)

SOCIAL DETERMINANTS

- Ballard PJ, Hoyt LT, Pachucki MC. **Impacts of Adolescent and Young Adult Civic Engagement on Health and Socioeconomic Status in Adulthood.** *Child Dev.* 2019;90(4):1138-54. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/cdev.12998>.
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- Hartanto A, Toh WX, Yang H. **Bilingualism Narrows Socioeconomic Disparities in Executive Functions and Self-Regulatory Behaviors During Early Childhood: Evidence From the Early Childhood Longitudinal Study.** *Child Dev.* 2019;90(4):1215-35. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/cdev.13032>.
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- Vancouver Early Years Partnership. **SEL matters [website].** Vancouver, BC: Vancouver Early Years Partnership; 2019; Available from: Vancouver Early Years Partnership

Literature Scans

[Outcomes of Early-Life Poverty and Early Child Development](#), 2019
[Biological Outcomes of Early-Life SES and Early Child Development](#), 2019

SOCIOEMOTIONAL

- Berger LM, Houle JN. **Rising Household Debt and Children's Socioemotional Well-being Trajectories.** *Demography.* 2019. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/31292913>.

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3. Class QA, Van Hulle CA, Rathouz PJ, Applegate B, Zald DH, Lahey BB. Socioemotional dispositions of children and adolescents predict general and specific second-order factors of psychopathology in early adulthood: A 12-year prospective study. *J Abnorm Psychol.* 2019. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/31259570>.
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MEDIA (HELP general)

1. **Peter Gouzouasis and Martin Guhn: Music engagement, achievement, predicts higher math, science and English grades.** Vancouver: Postmedia Network Inc.; 2019 [updated 2019 Jul 05]; Available from: <https://vancouver.sun.com/opinion/op-ed/peter-gouzouasis-and-martin-guhn-music-engagement-achievement-predicts-higher-math-science-and-english-grades>.

SPECIAL (Children's Environmental Health)

1. Arup Foresight Research and Innovation, Integrated City Planning. **Cities alive. Designing for urban children.** London, UK: ARUP; 2017 Dec. Available from: <https://www.arup.com/perspectives/cities-alive-urban-childhood?query=cities%20alive>.
2. Broekstra N, Luck A, Gordeljevic V. **Healthy air, healthier children. HEAL Report. 50 schools across the EU monitor air quality.** Health and Environment Alliance; 2019. Available from: https://www.env-health.org/wp-content/uploads/2019/06/HEAL-Healthy-air-children_EU.pdf.
3. Jones RA, Blackburn NE, Woods C, Byrne M, van Nassau F, Tully MA. **Interventions promoting active transport to school in children: A systematic review and meta-analysis.** *Prev Med.* 2019;123:232-41. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30904600>.
4. Ruiz-Hermosa A, Alvarez-Bueno C, Caverro-Redondo I, Martinez-Vizcaino V, Redondo-Tebar A, Sanchez-Lopez M. Active Commuting to and from School, Cognitive Performance, and Academic Achievement in Children and Adolescents: A Systematic Review and Meta-Analysis of Observational Studies. *Int J Environ Res Public Health.* 2019;16(10). Available from: <https://www.ncbi.nlm.nih.gov/pubmed/31126148>.

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