

HUMAN DEVELOPMENT RESEARCH REVIEW

VOL 6 (2) FEBRUARY 2022



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 \(COVID-19 and Children’s Mental Health\)](#)

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

Screen time and developmental health: results from an early childhood study in Canada.

Salima Kerai (right), Alisa Almas, Martin Guhn, Barry Forer, Eva Oberle
"...we examined the association between screen time and developmental health in preschool-aged children. Daily screen time that exceeds the recommended one-hour limit for young children is negatively associated with developmental health outcomes in early childhood."



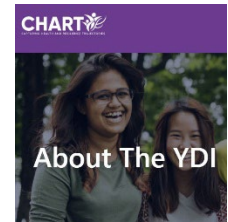
Youth Development Instrument (YDI): Youth development and well-being - School District Report, 2020-2021

Hasina Samji, Director, Capturing Health and Resilience Trajectories (CHART) lab, Assistant Professor, Simon Fraser University, and co-authors.
"Building on the work of the Early Development Instrument (EDI) and the MDI, the YDI is a self-report questionnaire that seeks to understand the health and well-being of Grade 11 students in British Columbia." ...more



About the Youth Development Instrument (YDI).

Capturing Health and Resilience Trajectories (CHART) lab
"The Youth Development Instrument (YDI) is a self-report questionnaire designed to learn about the social and emotional development, health, and well-being of young people 16-17 years of age. In doing so, the YDI will identify individual and contextual resources, opportunities, and practices that foster or hinder positive youth development."



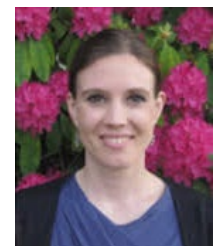
From Full Day Learning to 30 Minutes a Day: A Descriptive Study of Early Learning During the First COVID-19 Pandemic School Shutdown in Ontario.

Magdalena Janus, Affiliate Associate Professor, School of Population and Public Health, UBC, and co-authors
"...The largest barrier to learning was the ability of both parents and educators to balance work, home life, and online learning/teaching. With regards to returning to school, educators were most concerned about the lack of ability of kindergarten aged children to do tasks independently and to follow safety protocols..." ...more



Widening mental health and substance use inequities among sexual and gender minority populations: Findings from a repeated cross-sectional monitoring survey during the COVID-19 pandemic in Canada.

Anne Gadermann, Assistant Professor, Human Early Learning Partnership
"...widening inequities demonstrate the need for tailored public mental health actions during and beyond the pandemic."

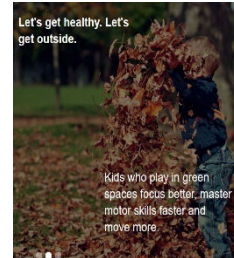


EDITOR PICKS

PaRX a prescription for nature.

British Columbia Parks Foundation

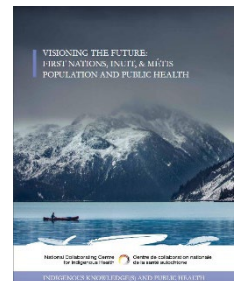
“Nature prescriptions were named one of the top 8 global wellness trends in 2019. And it's no surprise—research shows that kids and adults who spend more time in nature are happier and healthier. PaRx is breaking ground as Canada's first national, evidence-based nature prescription program.”



Visioning the future: First Nations, Inuit, & Métis population and public health.

National Collaborating Centre for Indigenous Health

“This report reveals the current inequities Indigenous Peoples experience every day but illuminates a path toward equity and wellness that acknowledges Indigenous peoples’ multiple systems for public health and ensures that Indigenous peoples’ knowledge(s) permeate the Canadian public health system. It lays out an achievable public health vision for a future characterized by equity, free of infectious diseases, and free of discrimination and racism.”



Health of Canadians in a changing climate. Advancing our knowledge for action

Health Canada

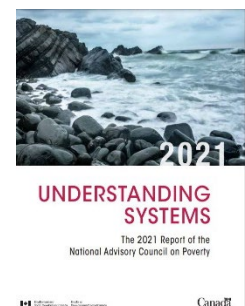
“This study contributes to broaden understanding of climate change impacts and adaptation by the Government of Canada, including a focus on Canada’s changing climate, national issues, regional perspectives, and impacts on First Nations, Métis, and Inuit peoples and communities.”



Understanding Systems: The 2021 report of the National Advisory Council on Poverty.

Employment and Social Development Canada.

“A Canada without poverty will require a whole-of-society approach. We have made a number of recommendations in our report. First and foremost, our recommendations aim to reduce inequity. They also aim at addressing issues of systemic racism, discrimination and colonialism, to ensure that everyone has equal access to benefits, resources and opportunities. They aim at ensuring that people are treated equitably and with dignity when accessing important benefits and services. Finally, they aim at ensuring that everyone has the resources they need to thrive.”



Climate, health, and COVID-19 in British Columbia.

Sally Maguet, Sally McBride, Michael Friesen, Tim Takaro

“This paper is based on a narrative review of current peer reviewed and grey literature aimed at increasing the understanding of the complexity of the relationship between our changing climate, our health and our public health systems. It is not broad enough in scope to discuss the many, interconnected, and complex health impacts we expect as a result of climate change, but rather focuses on three areas of health and healthcare delivery that have garnered broad public attention since the beginning of the COVID-19 pandemic and also have implications for climate mitigation and adaptation: virtual health and telemedicine, green infrastructure and design, and food security.”



Climate, Health and COVID-19 in British Columbia
January 2022
PICS

HUMAN DEVELOPMENT RESEARCH REVIEW

HELP FACULTY and AFFILIATE (selected publications)

1. Capturing Health and Resilience Trajectories (CHART) lab. **About the Youth Development Instrument (YDI)**. Burnaby, BC: A collaboration between the CHART lab, Simon Fraser University, Faculty of Health Sciences, the British Columbia Centre for Disease Control, and the Human Early Learning Partnership; 2021; Available from: <http://chartlab.ca/about-ydi/>.
2. Kerai S, Almas A, Guhn M, Forer B, Oberle E. **Screen time and developmental health: results from an early childhood study in Canada**. BMC Public Health. 2022 2022/02/15;22(1):310. Available from: <https://doi.org/10.1186/s12889-022-12701-3>.
3. McGill MG, Pokhvisneva I, Clappison AS, McEwen LM, Beijers R, Tollenaar MS, et al. **Maternal Prenatal Anxiety and the Fetal Origins of Epigenetic Aging**. Biol Psychiatry. 2022;91(3):303-12. Available from: <https://doi.org/10.1016/j.biopsych.2021.07.025>.
4. Samji H, Snell G, del Casal JM, Low B, Wu J, Badar S, et al. **Youth Development Instrument (YDI): Youth development and well-being - School District Report, 2020-2021**. Burnaby, BC: Simon Fraser University Faculty of Health Sciences, Capturing Health and Resilience Trajectories (CHART) lab; 2021. Available from: <http://chartlab.ca/wp-content/uploads/2022/02/YDI-Phase-2-Pilot-Global-Report-2020-2021-1.pdf>.
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6. Slemmon A, Richardson C, Goodyear T, Salway T, Gadermann A, Oliffe J, et al. **Widening mental health and substance use inequities among sexual and gender minority populations: Findings from a repeated cross-sectional monitoring survey during the COVID-19 pandemic in Canada**. Psychiatry Res. 2021 12/01;307:114327. Available from: <https://doi.org/10.1016/j.psychres.2021.114327>.
7. Spadafora N, Reid-Westoby C, Pottruff M, Wang J, Janus M. **From Full Day Learning to 30 Minutes a Day: A Descriptive Study of Early Learning During the First COVID-19 Pandemic School**

Shutdown in Ontario. Early Childhood Educ J. 2022 2022/01/16. Available from:
<https://doi.org/10.1007/s10643-021-01304-z>.

HELP RESOURCES

1. Human Early Learning Partnership. **The full Early Years Conference 2022 program is now available!** Vancouver, BC: Faculty of Medicine, School of Population and Public Health, HELP; 2022. Available from: <http://earlylearning.ubc.ca/blog/2022/jan/26/full-early-years-conference-2022-program-now-avail/>.
2. Early Years Conference 2022. **Early Years Conference 2022 - Event Overview - Takes place virtually on March 1 and 2.** Vancouver, BC: Faculty of Medicine, School of Population and Public Health, HELP; 2022. Available from: <https://eyc2022.com/event-overview/>.

BIOLOGY/NEUROBIOLOGY (“early experiences”)

1. Fallon B, Joh-Carnella N, Trocmé N, Esposito T, Hélie S, Lefebvre R. **Major Findings from the Canadian Incidence Study of Reported Child Abuse and Neglect 2019.** International Journal on Child Maltreatment: Research, Policy and Practice. 2022;5(1):1-17. Available from: <https://doi.org/10.1007/s42448-021-00110-9>.
2. McGill MG, Pokhvisneva I, Clappison AS, McEwen LM, Beijers R, Tollenaar MS, et al. **Maternal Prenatal Anxiety and the Fetal Origins of Epigenetic Aging.** Biol Psychiatry. 2022;91(3):303-12. Available from: <https://doi.org/10.1016/j.biopsych.2021.07.025>.
3. Miller GE, Chen E, Finegood E, Shimbo D, Cole SW. **Prospective associations between neighborhood violence and monocyte pro-inflammatory transcriptional activity in children.** Brain, Behavior & Immunity. 2022;100:1-7. Available from: <https://doi.org/10.1016/j.bbi.2021.11.003>.
4. Pascual F. **Off to a Rough Start: Environmental Exposures May Alter Germ Cell Development.** Environ Health Perspect. 2022;130(1):014001. Available from: <https://ehp.niehs.nih.gov/doi/abs/10.1289/EHP10550>.

CHILDCARE, ECD SERVICES

1. Degener CJ, van Bergen DD, Grietens HWE. **The ethnic identity of transracially placed foster children with an ethnic minority background: A systematic literature review.** Children & Society. 2022;36(2):201-19. Available from: <https://doi.org/10.1111/chso.12444>.
2. Szeszulski J, Lorenzo E, Todd M, O’Connor TM, Hill J, Shaibi GQ, et al. **Early Care and Education Center Environmental Factors Associated with Product- and Process-Based Locomotor Outcomes in Preschool-Age Children.** Int J Environ Res Public Health. 2022;19(4):2208. Available from: <https://www.mdpi.com/1660-4601/19/4/2208>.

CHILD DEVELOPMENT (GENERAL)

1. Hunter S, Leatherdale ST, Spence JC, Carson V. **Perceived relevance of neighborhood features for encouraging preschoolers’ active play, parents’ active recreation, and parent–child coactivity.** Canadian Journal of Behavioural Science / Revue canadienne des sciences du comportement. 2022:No Pagination Specified-No Pagination Specified.
2. 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.n/a(n/a). Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/cfs.12897>.

3. McArthur BA, Hentges R, Christakis DA, McDonald S, Tough S, Madigan S. **Cumulative Social Risk and Child Screen Use: The Role of Child Temperament.** *J Pediatr Psychol.* 2022;47(2):171-9. Available from: <https://doi.org/10.1093/jpepsy/jsab087>.
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5. Vanderloo LM, Omand J, Keown-Stoneman CDG, Janus M, Tremblay MS, Maguire JL, et al. **Association Between Physical Activity, Screen Time and Sleep, and School Readiness in Canadian Children Aged 4 to 6 Years.** *Journal of developmental and behavioral pediatrics : JDBP.* 2022;43(2):96-103. Available from: <https://doi.org/10.1097/dbp.0000000000000986>.

Language, Literacy

1. Ibrahim H. **Author hopes children’s literature can spark the mental-health conversation.** *CBC News Fredericton.* 2022 Feb 15. Available from: <https://www.cbc.ca/news/canada/new-brunswick/sheree-fitch-everybody-s-different-on-everybody-street-1.6352320>.
2. Li QKW, MacKinnon AL, Tough S, Graham S, Tomfohr-Madsen L. **Does Where You Live Predict What You Say? Associations between Neighborhood Factors, Child Sleep, and Language Development.** *Brain Sciences.* 2022;12(2):223. Available from: <https://www.mdpi.com/2076-3425/12/2/223>.

INDIGENOUS

1. Carrier L, Shin HD, Rothfus MA, Curran JA. **Protective and resilience factors to promote mental health among Indigenous youth in Canada: a scoping review protocol.** *BMJ Open.* 2022;12(1):e049285. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/35039281>.
2. Fayant G, Bach A. **Children Back, Land Back: A Follow-Up Report to the 1st Ever Gathering of First Nation Youth in Care Advisors.** Ottawa, ON: Indigenous Youth Voices and the First Nations Child and Family Caring Society (the Caring Society); 2021 Dec. Available from: <https://www.a7g.ca/reports.html>.
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8. Palimaru AI, Brown RA, Arvizu-Sanchez V, Mike L, Etz K, Johnson CL, et al. **Risk and Resilience Among Families in Urban AI/AN Communities: the Role of Young Adults.** J Racial Ethn Health Disparities. 2022. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/35118610>.
9. Richmond C, Castleden H, Gabel C. **Practicing Self-Determination to Protect Indigenous Health in COVID-19: Lessons for This Pandemic and Similar Futures.** COVID-19 and Similar Futures. Cham: Springer; 2021. p. 437-48. Available from: https://link.springer.com/chapter/10.1007/978-3-030-70179-6_40.

MIDDLE YEARS

1. Dumont A, Lanctôt N, Paquette G. **“I had a shitty past; I want a great future.”: Hopes and fears of vulnerable adolescent girls aging out of care.** Children Youth Serv Rev. 2022;134:N.PAG-N.PAG. Available from: <https://doi.org/10.1016/j.chilyouth.2022.106374>.
2. White RMB, Witherspoon DP, Wei W, Zhao C, Pasco MC, Maereg TM, et al. **Adolescent Development in Context: A Decade Review of Neighborhood and Activity Space Research.** Journal of Research on Adolescence. 2021;31(4):944-65. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/jora.12623>.

PARTNERSHIPS, HUBS, INTEGRATED CENTRES/SERVICES

POLICY, PRACTICE, INTERVENTIONS

1. Canada Employment and Social Development Canada. **Understanding Systems: The 2021 report of the National Advisory Council on Poverty.** Ottawa, ON: Government of Canada; 2021 Dec. Available from: <https://www.canada.ca/en/employment-social-development/programs/poverty-reduction/national-advisory-council/reports/2021-annual.html>.
2. Council of Canadian Academies. **Building a Resilient Canada.** Ottawa, ON: Expert Panel on Disaster Resilience in a Changing Climate, Council of Canadian Academies; 2022 Jan. Available from: <https://cca-reports.ca/wp-content/uploads/2022/01/Building-a-Resilient-Canada-web-EN.pdf>.
3. Geelhoed EA, Bloom DE, Bock C, Flatau P, Mandzufas J, Li I, et al. **Informing Resource Allocation for Investment in Early Childhood: A Review of the International Peer-Reviewed Evidence.** Australian Economic Review. 2022;1. Available from: <https://doi.org/10.1111/1467-8462.12452>.
4. Jindani Y, Nash D, Fleming N, Sabri K. **National survey of paediatric vision screening programs across Canada: Identifying major gaps and call to action.** Paediatr Child Health. 2021;26(8):486-92. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/35059063>.
5. MacKinnon AL, Silang K, Penner K, Zalewski M, Tomfohr-Madsen L, Roos LE. **Promoting Mental Health in Parents of Young Children Using eHealth Interventions: A Systematic Review and Meta-analysis.** Clin Child Fam Psychol Rev. 2022;1-22. Available from: <https://doi.org/10.1007/s10567-022-00385-5>.
6. Tremblay RE. **COVID-19 preventive interventions for high-risk pregnant women and preschool children: a rehearsal for the baby boomers’ old-age pandemic? : Interventions preventives pour les femmes enceintes et les jeunes enfants à risque pendant et après la COVID-19 : une préparation à la pandémie du vieillissement des baby-boomers? Can J Public Health.** 2022;113(1):61-6. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/35089592>.

SCREENING (tools, methods, school readiness, etc)

1. Capturing Health and Resilience Trajectories (CHART) lab. **About the Youth Development Instrument (YDI)**. Burnaby, BC: A collaboration between the CHART lab, Simon Fraser University, Faculty of Health Sciences, the British Columbia Centre for Disease Control, and the Human Early Learning Partnership; 2021; Available from: <http://chartlab.ca/about-ydi/>.
2. Samji H, Snell G, del Casal JM, Low B, Wu J, Badar S, et al. **Youth Development Instrument (YDI): Youth development and well-being - School District Report, 2020-2021**. Burnaby, BC: Simon Fraser University Faculty of Health Sciences, Capturing Health and Resilience Trajectories (CHART) lab; 2021. Available from: <http://chartlab.ca/wp-content/uploads/2022/02/YDI-Phase-2-Pilot-Global-Report-2020-2021-1.pdf>.
3. Samji H, Snell G, del Casal JM, Low B, Wu J, Long D. **Youth Development Instrument (YDI) School District Report, 2020-2021. SD42: Maple Ridge & Pitt Meadows**. Burnaby, BC: Simon Fraser University, Capturing Health and Resilience Trajectories (CHART) lab; 2021. Available from: http://chartlab.ca/wp-content/uploads/2022/01/YDI_SD42_DistrictReport.pdf.

SOCIAL DETERMINANTS

1. Bess KD, Miller AL, Mehdipanah R. **The effects of housing insecurity on children's health: a scoping review**. Health Prom Int. 2022. Available from: <https://search.ebscohost.com/login.aspx?direct=true&AuthType=shib&db=mnh&AN=35134939&site=ehost-live&scope=site&custid=s5672194>.
2. Davis B, Dunn R. **Educators working with infants and toddlers from low socio-economic status families**. Cogent Education. 2022;9(1):2042988. Available from: <https://doi.org/10.1080/2331186X.2022.2042988>.
3. Freisthler B, Michaels N, Wolf JP. **Families in Crisis: The Relationship Between Opioid Overdoses and Child Maltreatment in Neighborhood Areas**. J Stud Alcohol Drugs. 2022;83(1):145-52. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/35040770>.
4. Fuller A, Siddiqi A, Shahidi FV, Anderson LN, Hildebrand V, Keown-Stoneman CDG, et al. **Understanding income-related differences in distribution of child growth, behaviour and development using a cross-sectional sample of a clinical cohort study**. BMJ Open. 2022;12(2):e056991. Available from: <https://doi.org/10.1136/bmjopen-2021-056991>.
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8. Srivastava P, Lau NTT, Ansari D, Thampi N. **Effects of socio-economic factors on elementary school student COVID-19 infections in Ontario, Canada**. medRxiv. 2022:2022.02.04.22270413. Available from: <https://www.medrxiv.org/content/medrxiv/early/2022/02/06/2022.02.04.22270413.full.pdf>.

SOCIOEMOTIONAL

MEDIA (HELP general)

1. Culbert L. **Youth have struggled during COVID-19, but there are ways to help them.** Vancouver Sun. 2022 Jan 29. Available from: <https://vancouver.sun.com/health/local-health/youth-like-the-rest-of-us-feel-crappier-during-the-pandemic-so-what-can-make-kids-happier>.

SPECIAL

COVID-19 and Children's Mental Health

1. Chadi N, Ryan NC, Geoffroy M-C. **COVID-19 and the impacts on youth mental health: emerging evidence from longitudinal studies.** Canadian Journal of Public Health. 2022;113(1):44-52. Available from: <https://doi.org/10.17269/s41997-021-00567-8>.
2. Giesbrecht GF, Rojas L, Patel S, Kuret V, MacKinnon AL, Tomfohr-Madsen L, et al. **Fear of COVID-19, mental health, and pregnancy outcomes in the pregnancy during the COVID-19 pandemic study: Fear of COVID-19 and pregnancy outcomes.** J Affect Disord. 2022;299:483-91. Available from: <https://doi.org/10.1016/j.jad.2021.12.057>.
3. Hauerslev M, Narang T, Gray N, Samuels TA, Bhutta ZA. **Childhood obesity on the rise during COVID-19: A request for global leaders to change the trajectory.** Obesity (19307381). 2022;30(2):288-91. Available from: <https://doi.org/10.1002/oby.23307>.
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5. Solmi M, Estradé A, Thompson T, Agorastos A, Radua J, Cortese S, et al. **Physical and mental health impact of COVID-19 on children, adolescents, and their families: The Collaborative Outcomes study on Health and Functioning during Infection Times - Children and Adolescents (COH-FIT-C&A).** J Affect Disord. 2022;299:367-76. Available from: <https://dx.doi.org/10.1016%2Fj.jad.2021.09.090>.
6. Spiteri J, Deguara J, Muscat T, Bonello C, Farrugia R, Milton J, et al. **The impact of covid-19 on children's learning: A rapid review.** The Educational and Developmental Psychologist. 2022. Available from: <https://doi.org/10.1080/20590776.2021.2024759>.
7. Thompson SF, Shimomaeda L, Calhoun R, Moini N, Smith MR, Lengua LJ. **Maternal Mental Health and Child Adjustment Problems in Response to the COVID-19 Pandemic in Families Experiencing Economic Disadvantage.** Res Child Adolesc Psychopathol. 2022. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/35039970>.

COVID-19 General

1. Gauvin L, Barnett TA, Dea C, Dore I, Drouin O, Frohlich KL, et al. **Quarantots, quarankids, and quaranteens: how research can contribute to mitigating the deleterious impacts of the COVID-19 pandemic on health behaviours and social inequalities while achieving sustainable change.** Can J Public Health. 2022;113(1):53-60. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/35089590>.
2. Génereux M. **The COVID-19 pandemic and climate change: Two different, but equally important, crises having major psychosocial impacts [webinar].** Vancouver, BC: National Collaborating

- Centre for Environmental Health, Environmental Health Seminar Series; 2022 02 24 Feb 24.
Available from: <https://ncceh.ca/content/ncceh-environmental-health-seminar-series>.
3. Isasi F, Naylor MD, Skorton D, Grabowski DC, Hernandez S, Rice VM. **Patients, Families, and Communities COVID-19 Impact Assessment: Lessons Learned and Compelling Needs.** NAM Perspect. 2021;2021. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/35118349>.
 4. Spadafora N, Reid-Westoby C, Pottruff M, Wang J, Janus M. **From Full Day Learning to 30 Minutes a Day: A Descriptive Study of Early Learning During the First COVID-19 Pandemic School Shutdown in Ontario.** Early Childhood Educ J. 2022. Available from: <https://doi.org/10.1007/s10643-021-01304-z>.

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

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