

EARLY DEVELOPMENT INSTRUMENT (EDI) – Selected Publications, Reports
<http://earlylearning.ubc.ca/library/>

CONTENTS

- [EDI Aboriginal](#)
 - [EDI Background](#)
 - [EDI Findings: British Columbia](#)
 - [EDI Findings: National](#)
 - [EDI Findings: International](#)
 - [EDI Mapsets, Community Reports](#)
 - [EDI Psychometric Properties](#)
 - [EDI Videos](#)
-

EDI Aboriginal

1. Falster K, Jorgensen M, Hanly M, Banks E, Brownell M, Eades S, et al. Data Resource Profile: Seeding Success: a cross-sectoral data resource for early childhood health and development research in Australian Aboriginal and non-Aboriginal children. *International Journal of Epidemiology*. 2017;46(5):1365-6j. Available from: <https://doi.org/10.1093/ije/dyx051>.
2. Hanly M, Falster K, Chambers G, Lynch J, Banks E, Homaira N, et al. Gestational Age and Child Development at Age Five in a Population-Based Cohort of Australian Aboriginal and Non-Aboriginal Children. *Paediatric and Perinatal Epidemiology*. 2018;32(1):114-25. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/ppe.12426>.
3. Human Early Learning Partnership. **How to request EDI data for Aboriginal children**. Vancouver, BC: University of British Columbia, School of Population and Public Health; 2015 Sep. Available from: <http://earlylearning.ubc.ca/documents/293/>.
4. Muhajarine N, McRae D, Soltanifar M. Aboriginal Status and Neighborhood Income Inequality Moderate the Relationship between School Absenteeism and Early Childhood Development. *International Journal of Environmental Research and Public Health*. 2019;16(8):1347. Available from: <https://www.mdpi.com/1660-4601/16/8/1347>.
5. Muhajarine N, Puchala C, Janus M. **Does the EDI equivalently measure facets of school readiness for Aboriginal and non-Aboriginal children?** *Social Indicators Research*. 2011:1-16. Available from: <http://dx.doi.org/10.1007/s11205-011-9847-0>.
6. Sam M. **An Indigenous knowledges perspective on valid meaning making: a commentary on research with the EDI and Aboriginal communities**. *Social Indicators Research*. 2011;103(315-325). Available from: <http://dx.doi.org/10.1007/s11205-011-9848-z>.

EDI Background

1. Corter C, Patel S, Pelletier J, Bertrand J. The Early Development Instrument as an evaluation and improvement tool for school-based, integrated services for young children and parents: the Toronto First Duty Project. *Early Education & Development*. 2008;19(5):773-94. Available from: <https://tspace.library.utoronto.ca/handle/1807/32196>.
2. Goelman H, Hertzman C. **What the EDI is (not) – and why it is important for British Columbia: An open letter to the early childhood educators**. Vancouver, BC: University of British Columbia, School of Population and Public Health, Human Early Learning Partnership; 2007.
3. Guhn M, Janus M, Hertzman C. **The Early Development Instrument: Translating school readiness assessment into community actions and policy planning**. *Early Education & Development*. 2007;18(3):369-74. Available from: http://www.offordcentre.com/readiness/files/2008_05_29_Guhn_Janus_Hertzman_2007.pdf.
4. Hertzman C, Bertrand J. **Children in poverty and the use of Early Development Instrument mapping to improve their worlds**. *Paediatr Child Health*. 2007;12(8):687-92. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/19030447/>.
5. Human Early Learning Partnership. **Vulnerability on the EDI**. Vancouver, BC: School of Population and Public Health, University of British Columbia; 2011 Oct. Available from: <http://earlylearning.ubc.ca/documents/68/>.
6. Human Early Learning Partnership. **EDI map interpretation fact sheet**. Vancouver, BC: University of British Columbia, School of Population and Public Health 2011 Oct. Available from: <http://earlylearning.ubc.ca/documents/71/>.
7. Human Early Learning Partnership. **The Early Development Instrument**. Vancouver, BC: University of British Columbia, School of Population and Public Health; 2014. Available from: <http://earlylearning.ubc.ca/documents/53/>.
8. Human Early Learning Partnership. **Understanding critical difference in EDI results**. Vancouver, BC: University of British Columbia, School of Population and Public Health; 2014 Sept. Available from: http://earlylearning.ubc.ca/media/documents/critical_difference_brief_oct_9_2014.pdf.
9. Janus M. **The Early Development Instrument: a tool for monitoring children's development and readiness for school**. In: Young ME, Richardson LM, editors. *Early Child Development - From measurement to action A*

- priority for growth and equity. Washington, DC: World Bank; 2007. p. 141-55. Available from: http://www.offordcentre.com/readiness/files/PUB.11.2006_Janus.pdf.
10. Janus M, Brinkman S, Duku E, Hertzman C, Santos R, Sayers M, et al. The Early Development Instrument: a population-based measure for communities. A handbook on development, properties, and use. Hamilton, ON: McMaster University, Offord Centre for Child Studies; 2007. Available from: http://www.offordcentre.com/readiness/pubs/2007_12_FINAL.EDI.HANDBOOK.pdf.
 11. Janus M, Brownell M, Reid-Westoby C, Bennett T, Birken C, Coplan R, et al. Establishing a protocol for building a pan-Canadian population-based monitoring system for early childhood development for children with health disorders: Canadian Children's Health in Context Study (CCHICS). *BMJ Open*. 2018;8(5). Available from: <http://bmjopen.bmj.com/content/bmjopen/8/5/e023688.full.pdf>.
 12. Janus M, Enn J, Forer B, Raos R, Gaskin A, Webb S, et al. A pan-Canadian data resource for monitoring child developmental health: The Canadian Neighbourhoods Early Child Development (CanNECD) Database. *International Journal of Population Data Science*. 2018;3(IJPS Special Issue). Available from: <https://ijpds.org/article/view/431>.
 13. Janus M, Reid-Westoby C. **Monitoring the development of all children: the Early Development Instrument**. *Early Childhood Matters*. 2016;7:40-5. Available from: https://bernardvanleer.org/app/uploads/2016/07/Early-Childhood-Matters-2016_7.pdf.

EDI Findings: British Columbia

1. Carpiano RM, Lloyd JEV, Hertzman C. Concentrated affluence, concentrated disadvantage, and children's readiness for school: a population-based, multi-level investigation. *Social Science & Medicine*. 2009;69(3):420-32. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/19540643>.
2. Guhn M, Gadermann A, Hertzman C, Zumbo B. Children's development in kindergarten: a multilevel, population-based analysis of ESL and gender effects on socioeconomic gradients. *Child Indicators Research*. 2010;3(2):183-203. Available from: <http://dx.doi.org/10.1007/s12187-009-9053-7>.
3. Hertzman C. **The role of administrative record linkage in creating trajectories of early human development**. *Healthcare Policy*. 2011;6(Special Issue):55-62. Available from: www.healthpolicy.ca/product/download/code/22119.
4. Kershaw P, Forer B, Irwin LG, Hertzman C, Lapointe V. **Toward a social care program of research: a population-level study of neighborhood effects on child development**. *Early Education & Development*. 2007;18(3):535-60. Available from: http://www.eric.ed.gov/ERICWebPortal/search/detailmini.jsp?_nfpb=true&_ERICExtSearch_SearchValue_0=EJ780653&ERICExtSearch_SearchType_0=no&accno=EJ780653.
5. Kershaw P, Forer B, Lloyd J, Hertzman C, Boyce W, Zumbo B, et al. The use of population-level data to advance interdisciplinary methodology: a cell-through-society sampling framework for child development research. *International Journal of Social Research Methodology*. 2009;12(5):387-403. Available from: <http://dx.doi.org/10.1080/13645570802550257>.
6. Lapointe VR. **Conceptualizing and examining the impact of neighbourhoods on the school readiness of kindergarten children in British Columbia**. US: ProQuest Information & Learning; 2007. Available from: <https://circle.ubc.ca/handle/2429/18439?show=full>.
7. Lapointe VR, Ford L, Zumbo BD. **Examining the relationship between neighborhood environment and school readiness for kindergarten children**. *Early Education & Development*. 2007;18(3):473-95. Available from: http://www.tandfonline.com/doi/abs/10.1080/10409280701610846#.VcunC_lVhBc.
8. Lloyd JE, Hertzman C. **From kindergarten readiness to fourth-grade assessment: longitudinal analysis with linked population data**. *Social Science & Medicine*. 2009;68(1):111-23. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/18986743>.
9. Lloyd JEV, Hertzman C. **How neighborhoods matter for rural and urban children's language and cognitive development at kindergarten and Grade 4**. *Journal of Community Psychology*. 2010;38(3):293-313. Available from: <http://onlinelibrary.wiley.com/doi/10.1002/jcop.20365/abstract>.
10. Lloyd JEV, Irwin LG, Hertzman C. Kindergarten school readiness and fourth-grade literacy and numeracy outcomes of children with special needs: a population-based study". *Educational Psychology*. 2009;29

- (5)(August):583–602. Available from:
<http://www.tandfonline.com/doi/pdf/10.1080/01443410903165391>.
11. Mort JN, Hughes N, Dockendorf M, Quigg P, Hertzman C. The Early Development Instrument (EDI) in British Columbia. Documenting impact and action in schools, community, and early child development. Vancouver, BC: University of British Columbia, School of Population and Public Health, Human Early Learning Partnership; 2008. Available from:
http://www.earlylearning.ubc.ca/resources_reportspubs.htm#edi.
 12. Mort JN, Hughes N, Dockendorf M, Quigg P, Hertzman C. The Early Development Instrument in British Columbia: documenting impact and action in schools, communities and early childhood development. Vancouver, BC: University of British Columbia, School of Population and Public Health, Human Early Learning Partnership; 2009 Jan. Available from: <http://earlylearning.ubc.ca/documents/31/>.
 13. National Collaborating Centre for Determinants of Health. Webinar: Action on health equity through early childhood development programs, measurement and policy [with speaker Pippa Rowcliffe, HELP's Deputy Director, and others]. Antigonish, NS: National Collaborating Centre for Determinants of Health; 2019 Apr 18. Available from: http://nccdh.ca/workshops-events/entry/webinar-action-on-health-equity-through-early-childhood-devt-programs-measu?utm_source=MailChimp&utm_medium=email&utm_campaign=2019-Apr18webinar&mc_cid=b32c5e063d&mc_eid=04816d6ac3.
 14. Razaz N. **Neda Razaz: The Apgar score and association with neonatal mortality and morbidity**. BMJ Opinion. 2019. Available from: <https://blogs.bmj.com/bmj/2019/05/07/neda-razz-vandyke-the-apgar-score-and-association-with-neonatal-mortality-and-morbidity/>.
 15. Razaz N, Cnattingius S, Persson M, Tedroff K, Lisonkova S, Joseph KS. One-minute and five-minute Apgar scores and child developmental health at 5 years of age: a population-based cohort study in British Columbia, Canada. BMJ Open. 2019;9(5):e027655. Available from:
<https://bmjopen.bmj.com/content/bmjopen/9/5/e027655.full.pdf>.
 16. Spanner T. **Revelstoke early childhood development strategic plan**. Revelstoke, BC: Prepared for the Revelstoke Early Childhood Development Committee; 2011 Nov. Available from:
<http://www.sd19.bc.ca/pdf%20Files%20For%20Website/ECD%20Strategic%20Plan%20Update%20November%202011.pdf>.
 17. Thomson KC, Guhn M, Richardson CG, Ark TK, Shoveller J. Profiles of children's social–emotional health at school entry and associated income, gender and language inequalities: a cross-sectional population-based study in British Columbia, Canada. BMJ Open. 2017;7(7):e015353. Available from:
<https://bmjopen.bmj.com/content/bmjopen/7/7/e015353.full.pdf>.
 18. 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>.
 19. Vancouver Early Years Partnership (VEYP), Human Early Learning Partnership (HELP). **Vancouver demographic reports**. Vancouver, BC: University of British Columbia, School of Population and Public Health, HELP; 2019 Jan. Available from: <http://earlylearning.ubc.ca/maps/data/>.
 20. Vital Signs. **Local reports (includes Early Development Instrument data by community)**. Ottawa, ON: Community Foundations of Canada; 2014. Available from:
<http://www.vitalsignscanada.ca/en/localreports>.

EDI Findings: National (Canada) Note: BC findings are noted in previous category

1. Alberta Ministry of Education. **The Early Development Instrument (EDI) and how it's being used in Alberta**. Edmonton, AB: Government of Alberta; 2011 Mar. Available from:
<http://education.alberta.ca/admin/ecs/ecd.aspx>.
2. Brownell M, Enns JE, Hanlon-Dearman A, Chateau D, Phillips-Beck W, Singal D, et al. Health, Social, Education, and Justice Outcomes of Manitoba First Nations Children Diagnosed with Fetal Alcohol Spectrum Disorder: A Population-Based Cohort Study of Linked Administrative Data. The Canadian Journal of

- Psychiatry. 2019;64(9):611-20. Available from:
<https://journals.sagepub.com/doi/abs/10.1177/0706743718816064>.
3. Brownell MD, Nickel NC, Enns JE, Chartier M, Campbell R, Phillips-Beck W, et al. Association between home visiting interventions and First Nations families' health and social outcomes in Manitoba, Canada: protocol for a study of linked population-based administrative data. *BMJ Open*. 2017;7(10):e017626. Available from: <https://bmjopen.bmj.com/content/bmjopen/7/10/e017626.full.pdf>.
 4. Canadian Institute for Health Information. **Children vulnerable in areas of early development: a determinant of child health**. Ottawa, ON: CIHI; 2014. Available from: https://secure.cihi.ca/free_products/Children_Vulnerable_in_Areas_of_Early_Development_EN.pdf.
 5. Comaskey B, Roos NP, Brownell M, Enns MW, Chateau D, Ruth CA, et al. **Maternal depression and anxiety disorders (MDAD) and child development: A Manitoba population-based study**. *PLOS ONE*. 2017;12(5):e0177065. Available from: <https://doi.org/10.1371/journal.pone.0177065>.
 6. Forget-Dubois N, Lemelin J-P, Boivin M, Dionne G, Seguin J, Vitaro F, et al. **Predicting early school achievement with the EDI: a longitudinal population-based study**. *Early Education & Development*. 2007;18(3):405-26. Available from: http://www.tandfonline.com/doi/abs/10.1080/10409280701610796#.VcuXK_IVhBc.
 7. Fortier J, Chartier M, Turner S, Murdock N, Turner F, Sareen J, et al. Adapting and enhancing PAX Good Behavior Game for First Nations communities: a mixed-methods study protocol developed with Swampy Cree Tribal Council communities in Manitoba. *BMJ Open*. 2018;8(2):e018454. Available from: <https://bmjopen.bmj.com/content/bmjopen/8/2/e018454.full.pdf>.
 8. Gagné M, Janus M, Milbrath C, Gadermann A, Guhn M. **Early emotional and communication functioning predicting the academic trajectories of refugee children in Canada**. *Educational Psychology*. 2018;38(8):1050-67. Available from: <https://doi.org/10.1080/01443410.2018.1475627>.
 9. Janus M. **Early Development Instrument. "From Results To Action Survey" Report**. Hamilton, ON: McMaster University, Offord Centre for Child Studies; 2013. Available from: http://www.offordcentre.com/readiness/pubs/EDI_to_Action_Survey_Report.pdf.
 10. Janus M, Duku E. **The school entry gap: socioeconomic, family, and health factors associated with children's school readiness to learn**. *Early Education & Development*. 2007;18(3):375-403. Available from: http://www.offordcentre.com/readiness/files/2008_05_29_Janus_Duku_2007.pdf.
 11. Janus M, Labonté C, Kirkpatrick R, Davies S, Duku E. **The impact of speech and language problems in kindergarten on academic learning and special education status in grade three**. *International Journal of Speech-Language Pathology*. 2019;21(1):75-88. Available from: <https://doi.org/10.1080/17549507.2017.1381164>.
 12. Janus M, Mauti E, Horner M, Duku E, Siddiqua A, Davies S. Behavior profiles of children with autism spectrum disorder in kindergarten: Comparison with other developmental disabilities and typically developing children. 2018;11(3):410-20. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1002/aur.1904>.
 13. Kershaw P, Warburton B, Anderson L, Hertzman C, Irwin LG, Forer B. **The economic costs of early vulnerability in Canada**. *Canadian Journal of Public Health*. 2010;101:S8-12. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/21416797>.
 14. Kohen D, Oliver L, Pierre F. **Examining the effects of schools and neighbourhoods on the outcomes of Kindergarten children in Canada**. *International Journal of Speech-Language Pathology*. 2009;11(5):404-18. Available from: <http://www.tandfonline.com/doi/abs/10.1080/17549500903085919#.VcuVKPIVhBc>.
 15. Milbrath C, Guhn M. **Neighbourhood culture and immigrant children's developmental outcomes at kindergarten**. *Early Childhood Research Quarterly*. 2019;48:198-214. Available from: <http://www.sciencedirect.com/science/article/pii/S0885200619300420>.
 16. Northwest Territories Departments of Education Culture and Employment and Health and Social Services. **Early Development Instrument. A snapshot of children's readiness for learning**. Yellowknife, NWT: Government of Northwest Territories, Right from the Start; 2014. Available from: http://www.ece.gov.nt.ca/files/Early-Childhood/edi_booklet_april_2014.pdf.
 17. Northwest Territories Departments of Education Culture and Employment and Health and Social Services. **Early Development Instrument. Measuring children's readiness to learn. Summary of NWT baseline results for the 2012, 2013 and 2014 school years**. Yellowknife, NWT: Government of Northwest Territories; 2014

- Sep. Available from: http://www.ece.gov.nt.ca/files/publications/features/edi_-_summary_report_sept_2014.pdf.
18. O'Leary JD, Janus M, Duku E, Wijeyesundera DN, To T, Li P, et al. Influence of Surgical Procedures and General Anesthesia on Child Development Before Primary School Entry Among Matched Sibling Pairs. *JAMA Pediatr.* 2019;173(1):29-36. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30398535>.
 19. Puchala C, Vu L, Muhajarine N. **Neighbourhood ethnic diversity buffers school readiness impact in ESL children.** *Canadian Journal of Public Health.* 2010;101 Suppl 3:S13-S8. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/21416798>.
 20. Raos R, Janus M. **Examining spatial variations in the prevalence of mental health problems among 5-year-old children in Canada.** *Social Science & Medicine.* 2011;72(3):383-8. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/20971539>.
 21. Roos LL, Wall-Wieler E, Lee JB. **Poverty and Early Childhood Outcomes.** *Pediatrics.* 2019:e20183426. Available from: <https://pediatrics.aappublications.org/content/pediatrics/early/2019/05/17/peds.2018-3426.full.pdf>.
 22. Santos R, Brownell M, Ekuma O, Mayer T, Soodeen R-A. The Early Development Instrument (EDI) in Manitoba: Linking socioeconomic adversity and biological vulnerability at birth to children's outcomes at age 5 Winnipeg, MB: Manitoba Centre for Health Policy; 2012 May. Available from: http://mchp-appserv.cpe.umanitoba.ca/reference/MCHP_EDI_Report_WEB.pdf.
 23. Siddiqua A, Janus M. **Experiences of parents of children with special needs at school entry: a mixed method approach.** *Child: Care, Health and Development.* 2017;43(4):566-76. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/cch.12443>.
 24. Soltanifar M, Pahwa P, Muhajarine N. A multilevel analysis of the contribution of individual, socioeconomic and geographical factors on kindergarten children's developmental vulnerability: A Saskatchewan province wide study. *Biostatistics and Biometrics Open Access Journal.* 2017. Available from: <https://juniperpublishers.com/bboaj/BBOAJ.MS.ID.555618.php>.
 25. Wall-Wieler E, Lee JB, Nickel N, Roos LL. **The multigenerational effects of adolescent motherhood on school readiness: A population-based retrospective cohort study.** *PLOS ONE.* 2019;14(2):e0211284. Available from: <https://doi.org/10.1371/journal.pone.0211284>.
 26. Wall-Wieler E, Roos LL, Lee JB, Urquia ML, Roos NP, Bruce S, et al. **Placement in Care in Early Childhood and School Readiness: A Retrospective Cohort Study.** *Child maltreatment.* 2019;24(1):66-75. Available from: <https://journals.sagepub.com/doi/abs/10.1177/1077559518796658>.
 27. Youmans AS, Kirby JR, Freeman JG. How effectively does the full-day, play-based kindergarten programme in Ontario promote self-regulation, literacy, and numeracy? *Early Child Development and Care.* 2018;188(12):1788-800. Available from: <https://doi.org/10.1080/03004430.2017.1287177>.

EDI Findings: International

1. Adane AA, Mishra GD, Tooth LR. Maternal preconception weight trajectories, pregnancy complications and offspring's childhood physical and cognitive development. *J Dev Orig Health Dis.* 2018;9(6):653-60. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30103837>.
2. Australian Early Development Instrument Census. **English proficiency at school entry for bilingual children.** Melbourne, VIC: Centre for Community Child Health, Royal Children's Hospital, Melbourne, and the Telethon Kids Institute, Perth; 2014 Oct. Available from: <http://www.aedc.gov.au/resources/detail/english-proficiency-at-school-entry-for-bilingual-children>.
3. Australian Early Development Instrument Census. **The predictive validity of the AEDC: Predicting later cognitive and behavioural outcomes.** Melbourne, VIC: Centre for Community Child Health, Royal Children's Hospital, Melbourne, and the Telethon Kids Institute, Perth; 2014 Oct. Available from: <http://www.aedc.gov.au/resources/detail/the-predictive-validity-of-the-aedc-predicting-later-cognitive-and-behavioural-outcomes>.
4. Australian Early Development Instrument Census. **The impact of socio-economics and school readiness for life course educational trajectories.** Melbourne, VIC: Centre for Community Child Health, Royal Children's Hospital, Melbourne, and the Telethon Kids Institute, Perth; 2014 Dec. Available from:

- <http://www.aedc.gov.au/resources/detail/the-impact-of-socio-economics-and-school-readiness-for-life-course-educational-trajectories>.
5. Australian Early Development Instrument Census. **Gender differences in the AEDC and into the school years**. Melbourne, VIC: Centre for Community Child Health, Royal Children's Hospital, Melbourne, and the Telethon Kids Institute, Perth; 2014 Dec. Available from: <http://www.aedc.gov.au/resources/detail/gender-differences-in-the-aedc-and-into-the-school-years>.
 6. Australian Early Development Instrument Census. **Early childhood education and care and the transition to school**. Melbourne, VIC: Centre for Community Child Health, Royal Children's Hospital, Melbourne, and the Telethon Kids Institute, Perth; 2014 Dec. Available from: <http://www.aedc.gov.au/resources/detail/early-childhood-education-and-care-and-the-transition-to-school>.
 7. Australian Early Development Instrument Census. **Shaping learning trajectories for children with additional health and developmental needs**. Melbourne, VIC: Centre for Community Child Health, Royal Children's Hospital, Melbourne, and the Telethon Kids Institute, Perth; 2014 Dec. Available from: <http://www.aedc.gov.au/resources/detail/shaping-learning-trajectories-for-children-with-additional-health-and-developmental-needs>.
 8. Australian Early Development Instrument Census. **Perinatal predictors of child development**. Melbourne, VIC: Centre for Community Child Health, Royal Children's Hospital, Melbourne, and the Telethon Kids Institute, Perth; 2014 Dec. Available from: <http://www.aedc.gov.au/resources/detail/perinatal-predictors-of-child-development>.
 9. Australian Early Development Instrument Census. **AEDC news: research snapshots**. Melbourne, VIC: Centre for Community Child Health, Royal Children's Hospital, Melbourne, and the Telethon Kids Institute, Perth; 2015 [updated Oct]; Available from: <http://www.aedc.gov.au/about-the-aedc/aedc-news/article/2015/06/18/research-snapshots>.
 10. Bell MF, Bayliss DM, Glauert R, Harrison A, Ohan JL. **Chronic Illness and Developmental Vulnerability at School Entry**. *Pediatrics*. 2016;137(5):e20152475. Available from: <https://pediatrics.aappublications.org/content/pediatrics/137/5/e20152475.full.pdf>.
 11. Bell MF, Bayliss DM, Glauert R, Harrison A, Ohan JL. **Children of parents who have been hospitalised with psychiatric disorders are at risk of poor school readiness**. *Epidemiology and Psychiatric Sciences*. 2019;28(5):508-20. Available from: <https://www.cambridge.org/core/article/children-of-parents-who-have-been-hospitalised-with-psychiatric-disorders-are-at-risk-of-poor-school-readiness/A24088AB56874AAC6CB74D61162B08EA>.
 12. Bell MF, Bayliss DM, Glauert R, Ohan JL. **School readiness of maltreated children: Associations of timing, type, and chronicity of maltreatment**. *Child Abuse & Neglect*. 2018;76:426-39. Available from: <http://www.sciencedirect.com/science/article/pii/S0145213417304490>.
 13. Bell MF, Bayliss DM, Glauert R, Ohan JL. **Developmental vulnerabilities in children of chronically ill parents: a population-based linked data study**. *J Epidemiol Community Health*. 2019;73(5):393-400. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30792194>.
 14. Bentley JP, Schueuer FJ, Lain SJ, Martin AJ, Gordon A, Nassar N. **Neonatal Morbidity at Term, Early Child Development, and School Performance: A Population Study**. *Pediatrics*. 2018;141(2):e20171726. Available from: <https://pediatrics.aappublications.org/content/pediatrics/141/2/e20171726.full.pdf>.
 15. Bin YS, Ford JB, Nicholl MC, Roberts CL. **Long-term childhood outcomes of breech presentation by intended mode of delivery: a population record linkage study**. *Acta Obstet Gynecol Scand*. 2017;96(3):342-51. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/28029180>.
 16. Biswas RK, Kabir E. A macro-level approach to assess the early developmental vulnerabilities of children in Australia: A local government area-based analysis. *Children and Youth Services Review*. 2018;93:161-9. Available from: <http://www.sciencedirect.com/science/article/pii/S0190740918303657>.
 17. Block EP, Zimmerman FJ, Aguilar E, Stanley L, Halfon N. **Early Child Development, Residential Crowding, and Commute Time in 8 US States, 2010–2017**. *American Journal of Public Health*. 2018;108(11):1550-7. Available from: <https://ajph.aphapublications.org/doi/abs/10.2105/AJPH.2018.304680>.
 18. Brinkman S, Sayers M, Goldfeld S, Kline J. **Population monitoring of language and cognitive development in Australia: the Australian Early Development Index**. *International Journal of Speech-Language Pathology*. 2009;11(5):419-30. Available from: <http://www.tandfonline.com/doi/full/10.1080/17549500903147552>.

19. Brinkman SA, Kinnell A, Maika A, Hasan A, Jung H, Pradhan M. **Validity and reliability of the Early Development Instrument in Indonesia.** Child Indicators Research. 2016;1-22. Available from: <http://dx.doi.org/10.1007/s12187-016-9372-4>.
20. Children's Research Network. **Gender differences in cognitive development and school readiness.** Children's Research Digest. 2018;5 (3). Available from: <https://childrensresearchnetwork.org/knowledge/resources/gender-differences-in-cognitive-development-and-school-readiness#targetText=Girls%20demonstrated%20higher%20scores%20compared,domains%20in%20both%20treatment%20groups.&targetText=In%20addition%2C%20in%20most%20of,to%20the%20high%20treatment%20group>.
21. Christian H, Ball SJ, Zubrick SR, Brinkman S, Turrell G, Boruff B, et al. **Relationship between the neighbourhood built environment and early child development.** Health & Place. 2017;48:90-101. Available from: <http://www.sciencedirect.com/science/article/pii/S1353829216304646>.
22. Collie RJ, Martin AJ, Nassar N, Roberts CL. Social and emotional behavioral profiles in kindergarten: A population-based latent profile analysis of links to socio-educational characteristics and later achievement. Journal of Educational Psychology. 2019;111(1):170-87. Available from: <https://psycnet.apa.org/record/2018-02564-001>.
23. Collie RJ, Martin AJ, Roberts CL, Nassar N. The roles of anxious and prosocial behavior in early academic performance: A population-based study examining unique and moderated effects. Learning and Individual Differences. 2018;62:141-52. Available from: <http://www.sciencedirect.com/science/article/pii/S1041608018300281>.
24. Curtin M, Browne J, Staines A, Perry IJ. **The Early Development Instrument: an evaluation of its five domains using Rasch analysis.** BMC Pediatrics. 2016;16(1):1-14. Available from: <http://dx.doi.org/10.1186/s12887-016-0543-8>.
25. Dean K, Green MJ, Laurens KR, Kariuki M, Tzoumakis S, Sprague T, et al. The impact of parental mental illness across the full diagnostic spectrum on externalising and internalising vulnerabilities in young offspring. Psychological Medicine. 2018;48(13):2257-63. Available from: <https://doi.org/10.1017/S0033291717003786>.
26. Falster K, Hanly M, Banks E, Lynch J, Chambers G, Brownell M, et al. **Maternal age and offspring developmental vulnerability at age five: A population-based cohort study of Australian children.** PLOS Medicine. 2018;15(4):e1002558. Available from: <https://doi.org/10.1371/journal.pmed.1002558>.
27. Fu K-w, Ho FKW, Rao N, Jiang F, Li SL, Lee TM-c, et al. **Parental restriction reduces the harmful effects of in-bedroom electronic devices.** Archives of Disease in Childhood. 2017;102(12):1125-31. Available from: <https://adc.bmj.com/content/archdischild/102/12/1125.full.pdf>.
28. Goldfeld S, Sayers M, Brinkman S, Silburn S, Oberklaid F. **The process and policy challenges of adapting and implementing the Early Development Instrument in Australia.** Early Education & Development. 2009;20(6):978-91. Available from: <http://www.tandfonline.com/doi/abs/10.1080/10409280903375800#.VcuVDPIVhBc>.
29. Goldfeld S, Villanueva K, Tanton R, Katz I, Brinkman S, Giles-Corti B, et al. **Creating community indicators for early childhood development: challenges and innovations from the kids in communities study.** Cities & Health. 2019:1-10. Available from: <https://doi.org/10.1080/23748834.2019.1596525>.
30. Goncalves TR, Duku E, Janus M. **Developmental health in the context of an early childhood program in Brazil: the "Primeira Infancia Melhor" experience.** Cad Saude Publica. 2019;35(3):e00224317. Available from: http://www.scielo.br/scielo.php?script=sci_arttext&pid=S0102-311X2019000305001&lng=en&nrm=iso&tlng=en.
31. Green MJ, Harris F, Laurens KR, Kariuki M, Tzoumakis S, Dean K, et al. **Cohort Profile: The New South Wales Child Development Study (NSW-CDS)—Wave 2 (child age 13 years).** International Journal of Epidemiology. 2018;47(5):1396-7k. Available from: <https://doi.org/10.1093/ije/dyy115>.
32. Green MJ, Kariuki M, Chilvers M, Butler M, Katz I, Burke S, et al. **Inter-agency indicators of out-of-home-care placement by age 13-14 years: A population record linkage study.** Child Abuse Negl. 2019;93:91-102. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/31075574>.

33. Green MJ, Tzoumakis S, Laurens KR, Dean K, Kariuki M, Harris F, et al. **Early developmental risk for subsequent childhood mental disorders in an Australian population cohort.** *Aust N Z J Psychiatry.* 2019;53(4):304-15. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30501395>.
34. Green MJ, Tzoumakis S, Laurens KR, Dean K, Kariuki M, Harris F, et al. **Latent profiles of early developmental vulnerabilities in a New South Wales child population at age 5 years.** *Australian & New Zealand Journal of Psychiatry.* 2018;52(6):530-41. Available from: <https://journals.sagepub.com/doi/abs/10.1177/0004867417740208>.
35. Green MJ, Tzoumakis S, McIntyre B, Kariuki M, Laurens KR, Dean K, et al. **Childhood Maltreatment and Early Developmental Vulnerabilities at Age 5 Years.** *Child Development.* 2018;89(5):1599-612. Available from: <https://srcd.onlinelibrary.wiley.com/doi/abs/10.1111/cdev.12928>.
36. Guay F, Stupnisky R, Boivin M, Japel C, Dionne G. **Teachers' relatedness with students as a predictor of students' intrinsic motivation, self-concept, and reading achievement.** *Early Childhood Research Quarterly.* 2019;48:215-25. Available from: <http://www.sciencedirect.com/science/article/pii/S0885200619300419>.
37. Hanly M, Edwards B, Goldfeld S, Craven RG, Mooney J, Jorm L, et al. School starting age and child development in a state-wide, population-level cohort of children in their first year of school in New South Wales, Australia. *Early Childhood Research Quarterly.* 2019;48:325-40. Available from: <http://www.sciencedirect.com/science/article/pii/S0885200619300110>.
38. Khambalia AZ, Algert CS, Bowen JR, Collie RJ, Roberts CL. **Long-term outcomes for large for gestational age infants born at term.** *Journal of Paediatrics and Child Health.* 2017;53(9):876-81. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/jpc.13593>.
39. McCoy DC, Peet ED, Ezzati M, Danaei G, Black MM, Sudfeld CR, et al. Early childhood developmental status in low- and middle-income countries: national, regional, and global prevalence estimates using predictive modeling. *PLoS Medicine.* 2016;13(6):1-18 p. Available from: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC4896459/>.
40. 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>.
41. O'Connor M, O'Connor E, Quach J, Vashishtha R, Goldfeld S. Trends in the prevalence and distribution of teacher-identified special health-care needs across three successive population cohorts. *Journal of Paediatrics and Child Health.* 2019;55(3):312-9. Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/jpc.14192>.
42. Peers C. **The Australian Early Development Index: reshaping family-child relationships in early childhood education.** *Contemporary Issues in Early Childhood.* 2011;12(2):134-47. Available from: <http://dx.doi.org/10.2304/ciec.2011.12.2.134>.
43. Rossen L, Tzoumakis S, Kariuki M, Laurens KR, Butler M, Chilvers M, et al. Timing of the first report and highest level of child protection response in association with early developmental vulnerabilities in an Australian population cohort. *Child Abuse & Neglect.* 2019;93:1-12. Available from: <http://www.sciencedirect.com/science/article/pii/S0145213419301310>.
44. Sawyer AC, Kaim AL, Mittinity MN, Jeffs D, Lynch JW, Sawyer MG. Effectiveness of a 2-year post-natal nurse home-visiting programme when children are aged 5 years: Results from a natural experiment. *Journal of Paediatrics and Child Health.* 2018;0(0). Available from: <https://onlinelibrary.wiley.com/doi/abs/10.1111/jpc.14348>.
45. Sayers M, Coutts M, Goldfeld S, Oberklaid F, Brinkman S, Silburn S. **Building better communities for children: community implementation and evaluation of the Australian Early Development Index.** *Early Education & Development.* 2007;18(3):519-34. Available from: http://www.tandfonline.com/doi/abs/10.1080/10409280701610879#.Vcun_lVhBc.
46. Schneuer FJ, Bentley JP, Davidson AJ, Holland AJ, Badawi N, Martin AJ, et al. **The impact of general anesthesia on child development and school performance: a population-based study.** *Paediatr Anaesth.* 2018;28(6):528-36. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/29701278>.
47. Sincovich A, Gregory T, Harman-Smith Y, Brinkman SA. Exploring Associations Between Playgroup Attendance and Early Childhood Development at School Entry in Australia: A Cross-Sectional Population-Level Study.

- American Educational Research Journal. 2019:0002831219854369. Available from: <https://journals.sagepub.com/doi/abs/10.3102/0002831219854369>.
48. Tso W, Chan M, Ho FK, Rao N, Li AM, Chan KL, et al. **Early sleep deprivation and attention-deficit/hyperactivity disorder**. Pediatric Research. 2019;85(4):449-55. Available from: <https://doi.org/10.1038/s41390-019-0280-4>.
 49. Tzoumakis S, Carr VJ, Dean K, Laurens KR, Kariuki M, Harris F, et al. **Prenatal maternal smoking, maternal offending, and offspring behavioural and cognitive outcomes in early childhood**. Crim Behav Ment Health. 2018;28(5):397-408. Available from: <https://www.ncbi.nlm.nih.gov/pubmed/30256470>.
 50. Villanueva K, Badland H, Giles-Corti B, Goldfeld S. Using spatial analysis of the Australian Early Development Index to advance our understanding of 'neighbourhood effects' research on child health and development. Journal Of Paediatrics And Child Health. 2015. Available from: <http://onlinelibrary.wiley.com/doi/10.1111/jpc.12822/abstract>.
 51. Villanueva K, Badland H, Tanton R, Katz I, Brinkman S, Lee J-L, et al. **Local Housing Characteristics Associated with Early Childhood Development Outcomes in Australian Disadvantaged Communities**. International Journal of Environmental Research and Public Health. 2019;16(10):1719. Available from: <https://www.mdpi.com/1660-4601/16/10/1719>.
 52. Whitten T, Laurens KR, Tzoumakis S, Kaggodaarachchi S, Green MJ, Harris F, et al. The influence of parental offending on the continuity and discontinuity of children's internalizing and externalizing difficulties from early to middle childhood. Social Psychiatry and Psychiatric Epidemiology. 2019;54(8):965-75. Available from: <https://doi.org/10.1007/s00127-019-01670-5>.
 53. Woolfson LM, Geddes R, McNicol S, Booth JN, Frank J. **A cross-sectional pilot study of the Scottish Early Development Instrument: a tool for addressing inequality**. BMC Public Health. 2013;13(1):1187-. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24341526>.

EDI Mapsets, Community Reports

Note: the map sets are not listed individually; there are included as follows:

1. Human Early Learning Partnership. (2017). Early Years Development Instrument EDI (Early Years Development Instrument) W6 Supplementary Report. EDI Subscales Community Profiles, 2016. Retrieved from <http://earlylearning.ubc.ca/maps/edi/#commProfiles>

2016 and earlier

1. Human Early Learning Partnership. **Early Development Instrument (EDI) mapping - wave 6 (2013/14-2015/2016). All school districts - Province of British Columbia**. Vancouver, BC: University of British Columbia, School of Population and Public Health; 2016 Oct. Available from: <http://earlylearning.ubc.ca/maps/edi/#commProfiles>.
2. Human Early Learning Partnership. **Early Development Instrument (EDI) mapping - wave 5 (2011/12-2012/13). All school districts - Province of British Columbia**. Vancouver, BC: University of British Columbia, School of Population and Public Health; 2013 Aug. Available from: http://earlylearning.ubc.ca/media/mapsets/w5/bc_w5_edimapset.pdf.
3. Human Early Learning Partnership. **Early Development Instrument (EDI) mapping - wave 4 (2009/10-2010/11). All school districts - Province of British Columbia**. Vancouver, BC: University of British Columbia, School of Population and Public Health; 2013 Aug. Available from: http://earlylearning.ubc.ca/media/mapsets/w4/bc_w4_edimapset.pdf.
4. Human Early Learning Partnership. **Early Development Instrument (EDI) mapping - wave 3 (2007/8-2008/9). All school districts - Province of British Columbia**. Vancouver, BC: University of British

- Columbia, School of Population and Public Health; 2013 Aug. Available from: http://earlylearning.ubc.ca/media/mapsets/w3/bc_w3_edimapset.pdf.
5. Human Early Learning Partnership. **Early Development Instrument (EDI) mapping - wave 2 (2004/5, 2005/6, 2006/7). All school districts - Province of British Columbia.** Vancouver, BC: University of British Columbia, School of Population and Public Health; 2013 Aug. Available from: http://earlylearning.ubc.ca/media/mapsets/w2/bc_w2_edimapset.pdf.
 6. Human Early Learning Partnership. **Early Development Instrument (EDI) mapping. Neighbourhood maps and summaries.** Vancouver, BC: University of British Columbia, School of Population and Public Health; 2013 Aug. Available from: <http://earlylearning.ubc.ca/maps/edi/nh/>.
 7. Human Early Learning Partnership. **Early Development Instrument (EDI) mapping. Provincial map sets.** Vancouver, BC: University of British Columbia, School of Population and Public Health; 2013 Aug. Available from: <http://earlylearning.ubc.ca/maps/edi/bc/>.
 8. Human Early Learning Partnership. **Early Development Instrument (EDI) mapping. Local Health Area EDI maps.** Vancouver, BC: University of British Columbia, School of Population and Public Health; 2013 Aug. Available from: <http://earlylearning.ubc.ca/maps/edi/regional/>.
 9. Poon B. **BC Early Childhood Vision Screening Program: final evaluation report.** Vancouver, BC: University of British Columbia, School of Population and Public Health, Human Early Learning Partnership; 2012. Available from: <http://earlylearning.ubc.ca/documents/294/>.
 10. Poon B. **Map of dentist dental decay with selected socioeconomic and Early Development Instrument (EDI) data: 2009.** Vancouver, BC: University of British Columbia, School of Population and Public Health, Human Early Learning Partnership; 2012. Available from: <http://earlylearning.ubc.ca/documents/295/>.
 11. Provincial Health Services Authority. **The British Columbia Community Health Data website.** Vancouver, BC: PHSA; 2016; Available from: <http://communityhealth.phsa.ca/>.

EDI Psychometric Properties

1. Duku E, Janus M, Brinkman S. **Investigation of the cross-national equivalence of a measurement of early child development.** Child Indicators Research. 2015;8(2):471-89. Available from: <http://link.springer.com/article/10.1007%2Fs12187-014-9249-3>.
2. Forer B, Zumbo B. **Validation of multilevel constructs: validation methods and empirical findings for the EDI.** Social Indicators Research. 2011:1-35. Available from: <http://dx.doi.org/10.1007/s11205-011-9844-3>.
3. Guhn M, Gadermann A, Zumbo BD. **Does the EDI measure school readiness in the same way across different groups of children?** Early Education & Development. 2007;18(3):453-72. Available from: <http://www.tandfonline.com/doi/abs/10.1080/10409280701610838#.VcuXZvVhBc>.
4. Guhn M, Goelman H. **Bioecological theory, early child development and the validation of the population-level Early Development Instrument.** Social Indicators Research. 2011:1-25. Available from: <http://dx.doi.org/10.1007/s11205-011-9842-5>.
5. Guhn M, Janus M, Hertzman C, editors. **Special issue: The Early Development Instrument. Early education and development.** Mahwah, NJ: Lawrence Erlbaum Associates; 2007.
6. Guhn M, Zumbo B, Janus M, Hertzman C. **Validation theory and research for a population-level measure of children's development, wellbeing, and school readiness.** Social Indicators Research. 2011:1-9. Available from: <http://dx.doi.org/10.1007/s11205-011-9841-6>.
7. Hagquist C, Hellström L. **The psychometric properties of the Early Development Instrument: a rasch analysis based on Swedish pilot data.** Social Indicators Research. 2013. Available from: <http://link.springer.com/article/10.1007%2Fs11205-013-0344-5#page-1>.
8. Hughes C, Daly I, Foley S, White N, Devine RT. **Measuring the foundations of school readiness: Introducing a new questionnaire for teachers—The Brief Early Skills and Support Index (BESSI).** British Journal of

- Educational Psychology. 2015;85(3):332-56. Available from:
<http://onlinelibrary.wiley.com/doi/10.1111/bjep.12076/abstract>.
9. Hymel S, LeMare L, McKee W. **The Early Development Instrument: an examination of convergent and discriminant validity**. Social Indicators Research. 2011;103(2):267-82. Available from:
<http://dx.doi.org/10.1007/s11205-011-9845-2>.
 10. Janus M. **Early development instrument : key items based on international comparisons**. Hamilton, ON: McMaster University, Offord Centre for Child Studies; 2007.
 11. Janus M, Brinkman S, Duku E. **Validity and psychometric properties of the Early Development Instrument in Canada, Australia, United States, and Jamaica**. Social Indicators Research. 2011:1-15. Available from:
<http://dx.doi.org/10.1007/s11205-011-9846-1>.
 12. Janus M, Offord DR. **Development and psychometric properties of the Early Development Instrument (EDI): A measure of children's school readiness**. Canadian Journal of Behavioural Science. 2007;39(1):1-22. Available from: <http://psycnet.apa.org/index.cfm?fa=search.displayRecord&uid=2007-04967-001>.
 13. Janus M, Zeraatkar D, Duku E, Bennett T. **Validation of the Early Development Instrument for children with special health needs**. J Paediatr Child Health. 2019;55(6):659-65. Available from:
<https://www.ncbi.nlm.nih.gov/pubmed/30302861>.
 14. Keating D. **Formative evaluation of the Early Development Instrument: progress and prospects**. Early Education & Development. 2007;18(3):561-70. Available from:
<http://www.tandfonline.com/doi/abs/10.1080/10409280701610937#.VcueifVhBc>.
 15. Mousavi A, Krishnan V. **Setting the scope for early child Development Instrument (EDI): a psychometric re-examination of the tool with Alberta data**. Social Indicators Research. 2015;122(3):925-44. Available from: <http://link.springer.com/article/10.1007%2Fs11205-014-0711-x>.

VIDEOS

1. Human Early Learning Partnership. **Webinar: Getting started with your community subscales data with Dr. Barry Forer**. Vancouver, BC: University of British Columbia, School of Population and Public Health; 2017 October 11 from 3:30-4:30pm. Available from: <http://earlylearning.ubc.ca/blog/2017/sep/19/edi-subscales-webinar/>.
2. Human Early Learning Partnership. **Issues in evaluated universal interventions. HELP Talks Presentation by Mark Greenberg**. Vancouver, BC: University of British Columbia, School of Population and Public Health, Human Early Learning Partnership; 2017 Oct 31. Available from:
<https://www.youtube.com/watch?v=OAB3KS9G5r4>.
3. Human Early Learning Partnership. **Help Expo 2017 Part 1: Introduction and community systems with Brenda Poon**. Vancouver, BC: University of British Columbia, School of Population and Public Health, Human Early Learning Partnership; 2017 Nov 16. Available from: <https://www.youtube.com/watch?v=BtGTiQWRGQc>.
4. Human Early Learning Partnership. **Help Expo 2017 Part 2: The practice with Joanne Schroeder and panelists**. Vancouver, BC: University of British Columbia, School of Population and Public Health, Human Early Learning Partnership; 2017 Nov 16. Available from: <https://www.youtube.com/watch?v=XEQfljAoBEE>.
5. Human Early Learning Partnership. **Safeguarding the EDI data 2017**. Vancouver, BC: University of British Columbia, School of Population and Public Health, Human Early Learning Partnership; 2017 Dec 6. Available from: <https://www.youtube.com/watch?v=nwrATUw9ZkA&t=4s>.
6. Human Early Learning Partnership. **e EDI training video 2017**. Vancouver, BC: University of British Columbia, School of Population and Public Health, Human Early Learning Partnership; 2017 Dec 6. Available from:
<https://www.youtube.com/watch?v=Amec2oVmEmg>.