

PUBLICATIONS & RESEARCH 2014-2015

Faculty, Affiliated Scholar, Staff, and Student Research

HUMAN EARLY LEARNING PARTNERSHIP

School of Population and Public Health
Faculty of Medicine
University of British Columbia

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For more information on research at the
Human Early Learning Partnership
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Introduction

The Human Early Learning Partnership (HELP) is a collaborative, interdisciplinary research network, based at the [School of Population and Public Health](#) at the University of British Columbia. HELP's unique partnership weaves many scientific viewpoints to address complex early child development (ECD) issues. HELP connects researchers and practitioners from communities and institutions across B.C., Canada, and internationally. HELP's interdisciplinary approach reaches from 'cell to society' and its program of research emphasizes the human development spectrum.

This third edition of our annual research publications catalogue demonstrates the breadth and depth of our organization's engagement in research and scholarship. HELP faculty members are committed to the integration of research and teaching and they work with a network of researchers and students from British Columbia, Canada and around the world to inform, engage, and facilitate action to ultimately help children and families thrive.

This catalogue highlights scholarly activities and achievements in 2014-2015 of the HELP team, affiliated scholars and researchers. It is organized by topic and is designed to allow readers to identify more easily the contribution of HELP to collective child development research. Publications listed cover a variety of disciplines and topics and, in many instances, reflect new and interesting collaborations across disciplines. This catalogue should help inform our communities, government and colleagues about the research undertaken through HELP. If you wish to seek further information about HELP research or activities, I invite you to contact our Deputy Director, Pippa Rowcliffe, or our faculty directly.

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Biology of Early Development

BIOLOGICAL EMBEDDING

1. Belsky J, Ruttle PL, Boyce WT, Armstrong JM, Essex MJ. **Early adversity, elevated stress physiology, accelerated sexual maturation, and poor health in females.** Dev Psychol. 2015. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25915592>.
2. Boyce WT. **Fostering early brain development.** Jama. 2015;313(15):1564-5. Available from: <http://jama.jamanetwork.com/article.aspx?articleid=2275431>.
3. Boyce WT, Kobor MS. **Development and the epigenome: the ‘synapse’ of gene–environment interplay.** Developmental Science. 2015;18(1):1-23. Available from: <http://dx.doi.org/10.1111/desc.12282>.
4. Quas JA, Yim IS, Oberlander TF, Nordstokke D, Essex MJ, Armstrong JM, et al. **The symphonic structure of childhood stress reactivity: patterns of sympathetic, parasympathetic, and adrenocortical responses to psychological challenge.** Developmental Psychopathology. 2014;26(4 Pt 1):963-82. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24909883>.

SOCIAL EPIGENETICS

1. Belsky J, van Ijzendoorn MH, Chen L, Pan H, Tuan TA, Teh AL, et al. **Brain-derived neurotrophic factor (BDNF) Val66Met polymorphism influences the association of the methylome with maternal anxiety and neonatal brain volumes.** Development & Psychopathology. 2015;27(1):137-50. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25640836>.
2. Boyce WT, Kobor MS. **Development and the epigenome: the ‘synapse’ of gene–environment interplay.** Developmental Science. 2015;18(1):1-23. Available from: <http://dx.doi.org/10.1111/desc.12282>.
3. Cotton AM, Chen C-Y, Lam LL, Wasserman WW, Kobor MS, Brown CJ. **Spread of X-chromosome inactivation into autosomal sequences: role for DNA elements, chromatin features and chromosomal domains.** Human Molecular Genetics. 2014;23(5):1211-23. Available from: <http://hmg.oxfordjournals.org/content/early/2013/10/24/hmg.ddt513>.
4. Kaplow IM, Maclsaac JL, Mah SM, McEwen LM, Kobor MS, Fraser HB. **A pooling-based approach to mapping genetic variants associated with DNA methylation.** Genome Res. 2015. Available from: <http://biorxiv.org/content/early/2015/01/10/013649>.
5. Unternaehrer E, O’Donnell K, Bouvette-Turcot A-A, Gaudreau H, Cost K, Fleming A, et al. **Maternal early life adversities and the offspring's epigenome: A M.A.V.A.N. project.** Psychoneuroendocrinology. 2015;61:32-. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24133457/>.

PRENATAL EXPOSURES

1. Comeau WL, Winstanley CA, Weinberg J. **Prenatal alcohol exposure and adolescent stress - unmasking persistent attentional deficits in rats.** European Journal of Neuroscience. 2014;40(7):3078-95. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25059261>.
2. Lussier AA, Stepien KA, Neumann SM, Pavlidis P, Kobor MS, Weinberg J. **Prenatal alcohol exposure alters steady-state and activated gene expression in the adult rat brain.** Alcoholism: Clinical & Experimental Research. 2015;39(2):251-61. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25684047>.

3. Sliwowska JH, Song HJ, Bodnar T, Weinberg J. **Prenatal alcohol exposure results in long-term serotonin neuron deficits in female rats: modulatory role of ovarian steroids.** *Alcoholism: Clinical & Experimental Research.* 2014;38(1):152-60. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/23915273>.
4. Workman JL, Raineki C, Weinberg J, Galea LA. **Alcohol and pregnancy: effects on maternal care, HPA axis function, and hippocampal neurogenesis in adult females.** *Psychoneuroendocrinology.* 2015;57:37-50. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25900594>.
5. Gurnot C, Martin-Subero I, Mah SM, Weikum W, Goodman SJ, Brain U, et al. **Prenatal antidepressant exposure associated with CYP2E1 DNA methylation change in neonates.** *Epigenetics.* 2015;10(5):361-72. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25891251>.
6. Hanley GE, Brain U, Oberlander TF. **Prenatal exposure to serotonin reuptake inhibitor antidepressants and childhood behavior.** *Pediatr Res.* 2015. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/20439795>.
7. LaFrance MA, McLachlan K, Nash K, Andrew G, Loock C, Oberlander TF, et al. **Evaluation of the neurobehavioral screening tool in children with fetal alcohol spectrum disorders (FASD).** *J Popul Ther Clin Pharmacol.* 2014;21(2):e197-210. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24897061>.
8. Quas JA, Yim IS, Oberlander TF, Nordstokke D, Essex MJ, Armstrong JM, et al. **The symphonic structure of childhood stress reactivity: patterns of sympathetic, parasympathetic, and adrenocortical responses to psychological challenge.** *Developmental Psychopathology.* 2014;26(4 Pt 1):963-82. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24909883>.
9. Smolina K, Hanley GE, Mintzes B, Oberlander TF, Morgan S. **Trends and determinants of prescription drug use during pregnancy and postpartum in British Columbia, 2002-2011: a population-based cohort study.** *PLoS One.* 2015;10(5):e0128312. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/26011706>.

CORTISOL LEVELS, PRE-TERM, ETC.

1. Brummelte S, Chau CMY, Cepeda IL, Degenhardt A, Weinberg J, Synnes AR, et al. **Cortisol levels in former preterm children at school age are predicted by neonatal procedural pain-related stress.** *Psychoneuroendocrinology.* 2015;51(0):151-63. Available from: <http://www.sciencedirect.com/science/article/pii/S0306453014003588>.
2. Chau CM, Cepeda IL, Devlin AM, Weinberg J, Grunau RE. **The Val66Met brain-derived neurotrophic factor gene variant interacts with early pain exposure to predict cortisol dysregulation in 7-year-old children born very preterm: Implications for cognition.** *Neuroscience.* 2015. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/26318333>.
3. Chau CM, Ranger M, Sulistyoningrum D, Devlin AM, Oberlander TF, Grunau RE. **Neonatal pain and COMT Val158Met genotype in relation to serotonin transporter (SLC6A4) promoter methylation in very preterm children at school age.** *Front Behav Neurosci.* 2014;8:409. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25520635>.
4. de Graaf J, van den Akker EL, van Lingen RA, Groot Jebbink LJ, de Jong FH, Grunau RE, et al. **Five-year follow-up of effects of neonatal intensive care and morphine infusion during mechanical ventilation on diurnal cortisol rhythm.** *J Pediatr.* 2014;165(3):459-63.e2. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24996988>.
5. Doyle LW, Schmidt B, Anderson PJ, Davis PG, Moddemann D, Grunau RE, et al. **Reduction in developmental coordination disorder with neonatal caffeine therapy.** *J Pediatr.* 2014;165(2):356-9.e2. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24840756>.
6. Duerden EG, Foong J, Chau V, Branson H, Poskitt KJ, Grunau RE, et al. **Tract-based spatial statistics in preterm-born neonates predicts cognitive and motor outcomes at 18 months.** *AJNR Am J Neuroradiol.* 2015. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25929880>.
7. Garg A, Wong D, Popuri K, Poskitt KJ, Fitzpatrick K, Bjornson B, et al. **Manually segmented template library for 8-year-old pediatric brain MRI data with 16 subcortical structures.** *J Med Imaging (Bellingham).* 2014;1(3):034502. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/26158067>.

8. Levine TA, Grunau RE, McAuliffe FM, Pinnamaneni R, Foran A, Alderdice FA. **Early childhood neurodevelopment after intrauterine growth restriction: a systematic review.** Pediatrics. 2015;135(1):126-41. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25548332>.
9. Linden MA, Cepeda IL, Synnes A, Grunau RE. **Stress in parents of children born very preterm is predicted by child externalising behaviour and parent coping at age 7 years.** Arch Dis Child. 2015;100(6):554-8. Available from: <http://adc.bmj.com/content/early/2015/03/11/archdischild-2014-307390.abstract>.
10. McPherson C, Grunau RE. **Neonatal pain control and neurologic effects of anesthetics and sedatives in preterm infants.** Clinical Perinatology. 2014;41(1):209-27. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24524456>.
10. Moiseev A, Doesburg SM, Grunau RE, Ribary U. **Minimum variance beamformer weights revisited.** Neuroimage. 2015;120:201-13. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/26143207>.
11. Moiseev A, Doesburg SM, Herdman AT, Ribary U, Grunau RE. **Altered network oscillations and functional connectivity dynamics in children born very preterm.** Brain Topography. 2015;28(5):726-45. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25370485>.
12. Perra O, McGowan JE, Grunau RE, Doran JB, Craig S, Johnston L, et al. **Parent ratings of child cognition and language compared with Bayley-III in preterm 3-year-olds.** Early Human Development. 2015;91(3):211-6. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25703315>.
13. Ranger M, Grunau RE. **Early repetitive pain in preterm infants in relation to the developing brain.** Pain Management. 2014;4(1):57-67. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24641344>.
14. Ranger M, Grunau RE. **How do babies feel pain?** Elife. 2015;4. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25915737>.
15. Ranger M, Synnes AR, Vinall J, Grunau RE. **Internalizing behaviours in school-age children born very preterm are predicted by neonatal pain and morphine exposure.** European Journal of Pain. 2014;18(6):844-52. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24318537>.
16. Ranger M, Zwicker JG, Chau CM, Park MT, Chakravarthy MM, Poskitt K, et al. **Neonatal pain and infection relate to smaller cerebellum in very preterm children at school age.** Journal of Pediatrics. 2015. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25987534>.
17. Synnes A, Anderson PJ, Grunau RE, Dewey D, Moddemann D, Tin W, et al. **Predicting severe motor impairment in preterm children at age 5 years.** Arch Dis Child. 2015. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25784749>.
18. Vinall J, Grunau RE. **Impact of repeated procedural pain-related stress in infants born very preterm.** Pediatr Res. 2014;75(5):584-7. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24500615>.
19. Vinall J, Miller SP, Bjornson BH, Fitzpatrick KP, Poskitt KJ, Brant R, et al. **Invasive procedures in preterm children: brain and cognitive development at school age.** Pediatrics. 2014;133(3):412-21. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24534406>.
20. von Baeyer CL, Stevens BJ, Chambers CT, Craig KD, Finley GA, Grunau RE, et al. **Training highly qualified health research personnel: the pain in Child Health consortium.** Pain Research & Management. 2014;19(5):267-74. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25299474>.
21. Wagner SL, Cepeda I, Krieger D, Maggi S, D'Angiulli A, Weinberg J, et al. **Higher cortisol is associated with poorer executive functioning in preschool children: the role of parenting stress, parent coping and quality of daycare.** Child Neuropsychol. 2015:1-17. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/26335047>.

Developmental Monitoring

For publications related to the Early Development Instrument and the Middle Years Development Instrument and Findings, see separate documents entitled “2015 09 EDI citations” and “2015 09 MDI citations”.

SCREENING RESEARCH AND EVALUATION

1. Jamieson JR, Poon BT, Zaidman-Zait A, Curle D, Norman N, Simmons N. Working together for smooth transitions: the move from early intervention to kindergarten for children who are deaf or hard of hearing in BC, their families, and teachers. Vancouver, BC: Vancouver Coastal Health Authority; 2014.
2. Poon B, Rowcliffe P, Forer B, Wiens M. **Evaluation report 2015. Early Years Centres (EYC): Lessons learned.** Vancouver, BC: University of British Columbia, School of Population and Public Health, Human Early Learning Partnership; 2015 May. Available from: http://www.mcf.gov.bc.ca/early_years/pdf/eyc_lessons_learned.pdf.
3. Wiens M, Poon B, Rowcliffe P, Forer B. **Integrated service delivery outcomes and evaluation processes. Literature review highlights.** Vancouver, BC: Human Early Learning Partnership, School of Population and Public Health; 2015 January.

MIDDLE YEARS

1. Human Early Learning Partnership. **Supporting children's well-being in the middle years.** Vancouver, BC: University of British Columbia, School of Population and Public Health, Human Early Learning Partnership; 2015 Apr.
2. Oberle E, Schonert-Reichl KA, Guhn M, Zumbo BD, Hertzman C. **The role of supportive adults in promoting positive development in middle childhood: a population-based study.** Canadian Journal of School Psychology. 2014. Available from: <http://cjs.sagepub.com/content/early/2014/06/20/0829573514540116.abstract>.
3. Oberle E, Schonert-Reichl KA, Hertzman C, Zumbo BD. **Social-emotional competencies make the grade: Predicting academic success in early adolescence.** Journal of Applied Developmental Psychology. 2014;35(3):138-47. Available from: <http://www.sciencedirect.com/science/article/pii/S0193397314000240>.
4. Rueda P, Fernández-Berrocal P, Schonert-Reichl K. **Perspective-taking and empathic concern as mediators for happiness and positive affect in adolescents with and without Asperger Syndrome.** Journal of Developmental & Physical Disabilities. 2014;26(6):717-35. Available from: <http://www.ncbi.nlm.nih.gov/pmc/articles/PMC2717040/>.
5. Schonert-Reichl K. **Mind Up: a relaxation program that promotes learning in primary school (Celine Galipeau (moderator)).** Toronto, ON: Canadian Broadcasting Corporation, Le Telejournal; 2015.
6. Schonert-Reichl K. **Learning to relax for better learning at school.** Toronto, ON: Canadian Broadcasting Corporation; 2015.
7. Schonert-Reichl KA, Oberle E, Stewart Lawlor M, Abbott D, Thomson K, Oberlander TF, et al. **Enhancing cognitive and social-emotional development through a simple-to-administer mindfulness-based school program for elementary school children: a randomized controlled trial.** Developmental Psychology. 2015;51(1):52-66. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25546595>.

Policy Research and Monitoring

FAMILY POLICY

1. Kershaw P. **Population aging, generational equity & the middle class**. Vancouver, BC: Generation Squeeze; 2015. Available from: http://www.ledevoir.com/documents/pdf/population_age.pdf.
2. Kershaw P, Anderson L. **Measuring the generational spending gap in Canada**. Vancouver, BC: Generation Squeeze; 2014 Mar. Available from: https://d3n8a8pro7vhmx.cloudfront.net/gensqueeze/pages/107/attachments/original/1422919540/Gen-spending-gap-method-paper-2014-03-31_for-website.pdf?1422919540.
3. Kershaw P, Anderson L. **Measuring the age gap in Canadian social spending**. Vancouver, BC: Generation Squeeze; 2015. Available from: https://d3n8a8pro7vhmx.cloudfront.net/gensqueeze/pages/107/attachments/original/1423624191/Measuring_the_Age_Gap_in_Social_Spending_Final_6Feb2015.pdf?1423624191.

For additional publications related to Generation Squeeze, see

http://www.gensqueeze.ca/join?gclid=CL2RI836_scCFUSCfgodulcFEQ&splash=1.

Health, Health Services and Delivery

GENERAL

1. Deering KN, Amin A, Shoveller J, Nesbitt A, Garcia-Moreno C, Duff P, et al. **A systematic review of the correlates of violence against sex workers.** Am J Public Health. 2014;104(5):e42-54. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24625169>.
2. Duff P, Shoveller J, Chettiar J, Feng C, Nicoletti R, Shannon K. **Sex work and motherhood: social and structural barriers to health and social services for pregnant and parenting street and off-street sex workers.** Health Care Women Int. 2014:1-17. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25513844>.
3. Duff P, Shoveller J, Dobrer S, Ogilvie G, Montaner J, Chettiar J, et al. **The relationship between social, policy and physical venue features and social cohesion on condom use for pregnancy prevention among sex workers: a safer indoor work environment scale.** J Epidemiol Community Health. 2015;69(7):666-72. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25678713>.
4. Duff P, Shoveller J, Feng C, Ogilvie G, Montaner J, Shannon K. **Pregnancy intentions among female sex workers: recognising their rights and wants as mothers.** J Fam Plann Reprod Health Care. 2015;41(2):102-8. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25056256>.

Supporting Research

CRITICAL DIFFERENCE

1. 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.

DEVELOPMENTAL TRAJECTORIES, LONGITUDINAL TRAJECTORIES

FOSTER CARE, INSTITUTIONALIZATION

1. Almas AN, Degnan KA, Walker OL, Radulescu A, Nelson CA, Zeanah CH, et al. **The effects of early institutionalization and foster care intervention on children's social behaviors at age 8**. Social Development. 2015;24(2):225-39. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/26294847>.
2. Degnan KA, Almas AN, Henderson HA, Hane AA, Walker OL, Fox NA. **Longitudinal trajectories of social reticence with unfamiliar peers across early childhood**. Developmental Psychology. 2014;50(10):2311-23. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25181648>.
3. Warburton WP, Warburton RN, Sweetman A, Hertzman C. **The impact of placing adolescent males into foster care on education, income assistance, and convictions**. Canadian Journal of Economics. 2014;47(1):35-69. Available from: <http://onlinelibrary.wiley.com/doi/10.1111/caje.12064/abstract>.

GENERAL

1. Gadermann A. **Satisfaction with Life Scale Adapted for Children**. In: Michalos A, editor. Encyclopedia of Quality of Life and Well-Being Research: Springer Netherlands; 2014. p. 5661-3. Available from: http://dx.doi.org/10.1007/978-94-007-0753-5_3974.
2. Milbrath C, McPherson GE, Osborne MS. **Artistic development**. In: Liben LS, Mueller U, Lerner R, editors. Handbook of child psychology and developmental science Vol 2: Cognitive processes, Seventh edition, Volume 2. New York: Wiley; 2015. Available from: <http://ca.wiley.com/WileyCDA/WileyTitle/productCd-1118136780.html>.
3. Razaz N, Hertzman C, Marrie RA, Tremlett H, Boyce WT. **Children of chronically ill parents: the silence of research**. Child Care Health & Development. 2014;40(5):753-4. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25109854>.
4. Razaz N, Nourian R, Marrie RA, Boyce WT, Tremlett H. **Children and adolescents adjustment to parental multiple sclerosis: a systematic review**. BMC Neurology. 2014;14:107. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24886162>.
5. Razaz N, Tremlett H, Boyce WT, Guhn M, Joseph KS, Marrie RA. **Impact of parental multiple sclerosis on early childhood development: a retrospective cohort study**. Multiple Sclerosis. 2015;21(9):1172-83. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25583843>.
6. Zaidman-Zait A, Hall WA. **Children's night waking among toddlers: relationships with mothers' and fathers' parenting approaches and children's behavioural difficulties**. J Adv Nurs. 2015. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25689874>.

STATISTICS, MODELING, MEASUREMENT

1. Beauchamp MR, Liu Y, Morton KL, Martin LJ, Wilson AH, Wilson AJ, et al. **Transformational teaching and adolescent physical activity: multilevel and mediational effects.** *Int J Behav Med.* 2014;21(3):537-46. Available from: <http://link.springer.com/article/10.1007%2Fs12529-013-9321-2>.
2. Bourne J, Liu Y, Shields CA, Jackson B, Zumbo BD, Beauchamp MR. **The relationship between transformational teaching and adolescent physical activity: the mediating roles of personal and relational efficacy beliefs.** *J Health Psychol.* 2015;20(2):132-43. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24058115>.
3. Carpiano RM, Fitterer LM. **Questions of trust in health research on social capital: what aspects of personal network social capital do they measure?** *Social Science and Medicine.* 2014;116:225-34. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24721251>.
4. Dowd AJ, Schmader T, Sylvester BD, Jung ME, Zumbo BD, Martin LJ, et al. **Effects of social belonging and task framing on exercise cognitions and behavior.** *Journal of Sport & Exercise Psychology.* 2014;36(1):80-92. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24501146>.
5. Fox J, Cheng L, Zumbo BD. **Do they make a difference? The impact of English language programs on second language students in Canadian universities.** *TESOL Quarterly.* 2014;48(1):57-85. Available from: <http://onlinelibrary.wiley.com/doi/10.1002/tesq.103/abstract>.
6. Gunnell KE, Crocker PRE, Mack DE, Wilson PM, Zumbo BD. **Goal contents, motivation, psychological need satisfaction, well-being and physical activity: a test of self-determination theory over 6 months.** *Psychology of Sport & Exercise.* 2014;15(1):19-29. Available from: <http://www.sciencedirect.com/science/article/pii/S1469029213000848>.
7. Homma Y, Wong ST, Zumbo BD, Saewyc EM. **Ethnic identity and sexual initiation among East Asian youth in Canada.** *J Immigr Minor Health.* 2015;17(5):1580-4. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25204622>.
8. Liu Y, Zumbo BD, Wu AD. **Relative importance of predictors in multilevel modeling.** *Journal of modern applied statistical methods.* 2014;13(1):2-22. Available from: <http://digitalcommons.wayne.edu/jmasm/vol13/iss1/2>.
9. Sandilands DD, Gotzmann A, Roy M, Zumbo BD, De Champlain A. **Weighting checklist items and station components on a large-scale OSCE: is it worth the effort?** *Medical Teacher.* 2014;36(7):585-90. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/24787530>.
10. Sylvester BD, Standage M, Ark TK, Sweet SN, Crocker PR, Zumbo BD, et al. **Is variety a spice of (an active) life?: perceived variety, exercise behavior, and the mediating role of autonomous motivation.** *Journal of Sport & Exercise Psychology.* 2014;36(5):516-27. Available from: <http://www.ncbi.nlm.nih.gov/pubmed/25356614>.
11. Zumbo BD. **What role does, and should, the test standards play outside of the United States of America?** *Educational Measurement: Issues & Practice.* 2014;33(4):31-3. Available from: <http://onlinelibrary.wiley.com/doi/10.1111/emip.12052/abstract>.

Map Sets, Community Summaries

EARLY DEVELOPMENT INSTRUMENT

1. 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/>.
2. 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/>.
3. 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/>.
4. 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/>.
5. 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/>.

MIDDLE YEARS DEVELOPMENT INSTRUMENT

1. Human Early Learning Partnership. **Middle Years Development Instrument (MDI) reports. 2015 participating districts.** Vancouver, BC: University of British Columbia, School of Population and Public Health; 2015. Available from: <http://earlylearning.ubc.ca/maps/mdi/nh/>.
2. Schonert-Reichl K, Pedrini L. **The Middle Years Development Instrument [presentation - Sept 17].** Adelaide, SA: Fraser Mustard Centre; 2012. Available from: http://www.frasermustardcentre.sa.edu.au/files/links/MDI_Australia_Kim_Schoner_1.pdf.

For additional publications related to the Early Development Instrument and the Middle Years Development Instrument and Findings, see separate documents entitled “2015 09 EDI citations” and “2015 09 MDI citations”.

Media

General

1. Ready or Not! Prince George Citizen. 2014 Feb 03.
2. Social-emotional kits to address need in Leduc; dozens of kits to be distributed by end of January. The Pipestone Flyer. 2014 Jan 09.
3. Childhood assessments show areas of concern. Salmon Arm Observer. 2014 Mar 20.
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