
Sheila W McDonald, MSc, PhD
403 955 0852
SheilaW.McDonald@albertahealthservices.ca

Name: Sheila W McDonald, PhD
Mailing Address: 2255, 10101 Southport Road SW, Calgary Alberta, T2W 3N2
Telephone: 403 955 0852
Fax: 403-955-0850

Current Appointments:

Acting Director
Scientist, Maternal Child Health - Research and Innovation
 Population, Public and Indigenous Health
 Alberta Health Services

Adjunct Assistant Professor
 Department of Community Health Sciences
 Department of Paediatrics
 Cumming School of Medicine, University of Calgary

ACADEMIC RECORD

Degree	Speciality	Completed	Institution	Supervisor
Postdoctoral Fellow	Maternal and Child Health	2012	University of Calgary, Calgary, AB, Canada	Dr. S. Tough
PhD	Lifecourse Epidemiology	2009	McGill University, Montreal, QC, Canada	Dr. J. Lynch and Dr. E. Moodie
MSc	Behavioural Science	1996	University of Calgary, Calgary, AB, Canada	Dr. M. West
BSc	Physiology	1994	McGill University, Montreal, QC, Canada	

AWARDS AND DISTINCTIONS

Award	Period	Awarding Agency
Presentation award	2012	PreHOT Annual Meeting
Travel award (\$500)	2011	CIHR - IHDCYH
Post Doctoral Fellowship Scholarship (salary and research allowance \$50,000/yr for 2 years)	2010-2012	Alberta Center for Child, Family, and Community Research (ACCFRCR)
Champion Technologies Research Award	2009	University of Calgary, Genetics, Child Development and Health
Doctoral Training Award	2002-2006	CIHR
Doctoral Fellowship	2002-declined	Fonds de la Recherche en Sante du Quebec (FRSQ)
Graduate Research Scholarship	2001	Montreal Children's Hospital
Graduate Teaching Assistantship	1994-1995	University of Calgary
Calgary Separate School Local 55 Teacher Memorial Award	1989	Alberta Teacher's Association
Canada Scholarship	1989	Association of Universities and Colleges of Canada
Matriculation Merit Award	1989	University of Calgary

Award	Period	Awarding Agency
Alexander Rutherford Scholarship	1989	Alberta Heritage Scholarship Foundation

RESEARCH POSITIONS

Position	Department	Institution	Period
Lead Scientist	All Our Babies/Families Study, Department of Paediatrics	University of Calgary	Sept 2012 to present
Consultant	Mental Health Commission of Canada	Mental Health Commission of Canada	Aug 2009 to Dec 2009
Research Assistant	Epidemiology and Biostatistics	McGill University	Dec 2008 to July 2009
Teaching Assistant	Epidemiology and Biostatistics	McGill University	Sept 2001 to Aug 2008
Research Assistant	Culture and Mental Health Research Unit, Social and Transcultural Psychiatry	Jewish General Hospital, Mtl QC	Sept 1999 to Dec 2000
Project Co-ordinator	Continuing Care Clinic, Psychiatry	Montreal General Hospital	Sept 1998 to Aug 2000
Research Assistant	Hyperactivity Research Unit, Child Psychiatry	Montreal Children's Hospital	Sept 1998 to Aug 1999
Research Assistant	Community Health Sciences and Epidemiology	University of Calgary	Sept 1996 to Aug 1998
Research Assistant	Behavioural Sciences Research Unit, Psychiatry	Peter Lougheed Hospital, Calgary AB	Sept 1996 to Aug 1998

EDUCATIONAL AND RESEARCH ACTIVITIES

Research Coordinator, Public Health and Preventive Medicine Residency Education, University of Calgary, 2017

Co-Facilitator, Child and Youth Mental Health Initiative, University of Calgary, Nov 2011

Journal Clubs Co-ordinator, All Our Babies Methods Group, Child Development Centre, Alberta Children's Hospital, 2009-2012

Undergraduate Student Supervision

Name	Degree	Role	Dates	Thesis Area
Jennifer Newman	BHSc- Honours	Honours Thesis Co- Supervisor	Sept 2011 – April 2012	Characteristics of new mothers experiencing parenting transitioning difficulties in the first postpartum year: Findings from an urban pregnancy cohort.
Ingunn Benediktsson	BHSc - Honours	Field Practicum Preceptor	Sept 2011 – April 2012	Group Prenatal Care and Perinatal Education
Lise Malta	MD	Research Stage Co- Supervisor	Jan 2011 – Feb 2012	Influence of maternal optimism and parenting morale among those with a history of abuse on perceived stress and anxiety in the early postpartum
Kaitlin Forbes	BHSc - Honours	Honours Thesis Co- Supervisor	Sept 2009 – April 2010	The context of healthy child development in middle childhood: Risk and protective factors of the child rearing environment across the life course
Shayna McNeil	BHSc - Honours	Field Practicum Preceptor	Sept 2009 – April 2010	Conceptualizations of family structure: Using a lifecourse methodology to test the association between changes in family structure and child behavioral outcomes

Graduate Student Mentorship/Committee Membership

Name	Degree	Role	Dates	Thesis Area
Nikki Stephenson	PhD	Co-supervisor (with Suzanne Tough)	Sept 2018 start (<i>deferred admission</i>)	
Erin Hetherington	PhD	Co-supervisor (with Suzanne Tough)	Sept 2014 – present	Social support, maternal mental health, and child development
Amy Toosi	PhD University of Alberta	Committee Member	Jan 2014 – Aug 2016	Migrant families and child development
Yoonshin Lee	MSc	Committee Member	Sept 2013 - present	Child growth and maternal depression: the role of infant feeding
Ingunn Benediktsson	MSc	Co-supervisor (with Suzanne Tough)	Sept 2013 – Apr 2015 (<i>withdrew; admitted to medical school</i>)	Vulnerability in context: Development of a psychosocial vulnerability index
Carol Weller	MSc	Mentor	Feb 2011 - Apr 2012	Mental health characteristics and patterns of health care utilization in pregnant and early postnatal women
Tharsiya Nagulesapillai	MSc	Mentor	Feb 2011 - Dec 2012	Factors associated with breastfeeding practices among new Canadian mothers

Medical residents/Practicum Students

Name	Department	Role	Dates	Project Area
Sofiya Manji	Public Health	Capstone Project Preceptor	Sept 2015-Dec 2015	Proposal development for an RCT examining the clinical effectiveness of PPD screening
Sofiya Manji	Public Health	Summer Practicum	May 2015-Aug 2015	Maternal well-being following late preterm delivery: a nested cohort study
Yvonne Uyanwune	Public Health	Research Project Co-Supervisor	Sept 2013-Dec 2013	Late preterm infants and maternal postpartum mental health
Jason Cabaj	Public Health	Research Project Co-Supervisor	Jan 2013 – Sept 2013	Life course influences on children's mental health
Nikolett Raguz	Obstetrics and Gynecology	Research Project Co-Supervisor (with Amy Metcalfe /Suzanne Tough)	Sept 2011 – Aug 2016	Assisted Reproductive technologies and maternal mental health
Candace O'Quinn	Obstetrics and Gynecology	Research Project Co-Supervisor (with Amy Metcalfe /Suzanne Tough)	Sept 2011 – Aug 2016	Assisted Reproductive technologies and breastfeeding

Graduate student Examinations

Name	Degree	Role	Dates	Thesis Topic
Qendresa Beka	MSc (UofA)	External Examiner	April 2016	Gestational Diabetes Mellitus and Mental Illness in Alberta

Name	Degree	Role	Dates	Thesis Topic
Donna Jones	MSc (Dalhousie)	External Examiner	July 2014	Rates and determinants of preterm birth in pregnancies complicated by Diabetes Mellitus

PROFESSIONAL ACTIVITIES

Membership in Professional Societies

International Epidemiology Association, August 2011 to present
Society for Pediatric and Perinatal Epidemiologic Research, May 2010 to present
American Society of Epidemiologic Research, May 2007 to present

Manuscript Reviews

Alcohol, 2017
International Journal of Epidemiology, 2017
BMC Pregnancy and Childbirth, 2016
Canadian Journal of Psychiatry, 2015
PLOS-1, 2015
American Journal of Preventive Medicine, 2015
Women's Health Issues, 2015
European Psychiatry, 2014
Pediatrics, 2013
Maternal and Child Health Journal, 2013
Human Reproduction, 2013
Archives of Women's Mental Health, 2013
American Journal of Public Health, 2013
Psychiatry Research, 2012
Paediatric and Perinatal Epidemiology, 2012, 2013
Social Science and Medicine, 2012
Archives of Women's Mental Health, 2012, 2013
Fetal Alcohol, 2009
Psychosomatic Medicine, 2010
Cochrane Database of Systematic Reviews: Cochrane Pregnancy and Childbirth Group, 2008

Grant reviews

PolicyWise for Children and Families (formerly ACCFCR), 2014-2017
PSI Foundation, 2016

Awards Committees

ACCFCR: Westbury Legacy Award Selection Committee, 2010, 2011, 2012, 2014

Committee/Working Group Member

Research Working Group: Perinatal Epidemiology in AB, 2017
Research Working Group: Domestic Violence, AHS, 2016-present
Advisory Group: Well Child Clinic Standardization, AHS, 2014-present
Working Group: Postpartum Depression Screening, Assessment & Referral, AHS, 2014-present
Working Group: Preconception Health, AHS, 2014-present
Working Group: Canada FASD Research Network, 2013
Task Group: Alberta Maternal-Infant Health Strategy, Government of Alberta, 2013
Data Committee: Upstart, Council of Champions, United Way of Calgary and Area, 2011 to 2013

Teaching

Advanced Epidemiology Seminar: Directed Acyclic Graphs. Department of Community Health Sciences, University of Calgary, Apr 2017.
Advanced Epidemiology Lecture: Cohort Studies. Department of Community Health Sciences, University of Calgary, Jan 2014-2017.
Advanced Epidemiology Lecture: Matching. Department of Community Health Sciences, University of Calgary, Jan 2015-2017.
2 Day Summer Workshop: Policy, Evidence and Decision Making. (Tough S, Reynolds N, **McDonald S**). School of Public Health, University of Alberta, Edmonton, AB, August 29 – 30, 2012.
Discovery Days, Canadian Medical Hall of Fame: What is Epidemiology? University of Calgary, Calgary, AB, Oct 12, 2012.

Professional Development

PreHOT Trainee Writing Workshop - Plain Language Writing and Editing, Calgary, AB, Nov 2011

Structural Equation Modeling Workshop, CIQSS, Universite de Montreal, Montreal QC, May

RESEARCH SUPPORT

Grants

Title	Funder	Period of Support (estimates)	Role	Research Team	Amount
Intergenerational Transmission of Maternal ACEs: Risk and Resilience Factors	CIHR Operating Grant	2017-2018	PI	Sheila McDonald Suzanne Tough Susan Graham Sheri Madigan	\$75,000
What factors protect children with developmental problems against poor self-regulation at school entry	Department of Pediatrics Innovation Award	2017-2018	Co-I	Suzanne Tough Erin Hetherington Sheila McDonald Muci Wu Nikki Stephenson Niya Hurley	\$17,400
Prediction and Understanding of Resilience in Albertan Families: Longitudinal Study of Disaster Responses (PURLS)	AIHS CRIO Population Resiliency	June 2015 – June 2018	Co-Lead	Dawn Kingston (Lead) Sheila McDonald , Andy Greenshaw, Suzanne Tough (co-Leads) Plus Collaborative Members	\$2,000,000
Supporting self-regulation at age 3: Recommendations from the All Our Babies study	Maxbell Foundation	Jan 2014- Jan2017	Co-I	Suzanne Tough (PI) Heather Ginez Sheila McDonald	\$375,000
Adverse Childhood Experiences in Alberta, Canada	Alberta Centre for Child, Family & Community Research	Sept 2013- Sept 2014	PI	Sheila McDonald Suzanne Tough	\$40,000
Maternal mental health during the perinatal period and child development: the role of resilience factors	UpStart (United Way of Calgary and Area)	June 2013- December 2013	PI	Sheila McDonald Suzanne Tough	\$10,000
Exploring the early predictors of phonological awareness: A longitudinal approach	SSHRC Insights Development Grant	June 2013- June2015	Co-I	Susan Graham (PI) Beverly Collisson Sheila McDonald Suzanne Tough	\$69,918
Integrated Maternal Psychosocial Assessment to Care Trial (IMPACT)	CIHR (Open Operating Grant)	June 2013- June 2017	Co-I	Dawn Kingston (PI) Austin MP Biringner A Hegadoren K Lasiuk G MacQueen G McDonald SD McDonald SW McGrath P Schopflocher D Sword D Veldhuyzen van Zanten S	\$346,232

Title	Funder	Period of Support (estimates)	Role	Research Team	Amount
Maternal substance use and child behaviour at 36 months	The Partners in Health Fund for Addiction Research, Faculty of Medicine, University of Calgary	Nov 2012- Mar 2016	Co-I/ Lead*	Suzanne Tough (PI) Jocelyn Cook Sheila McDonald	\$182,297
The influence of prenatal alcohol exposure on parent-child interactions and social-emotional development at 24 months	CFFAR	Sept 2012 – Oct 2014	Co-I/ Lead*	Suzanne Tough (PI) Jocelyn Cook Matt Hicks Carmen Rasmussen Sheila McDonald	\$50,000
Intergenerational transmission of a maternal history of adverse experiences on offspring behavior at 36 months	WCHRI/Norlien Foundation	Oct 2012- Jan 2015	Co-I/ Lead*	Suzanne Tough (PI) Dawn Kingston Sheila McDonald	\$123,599.60
Integrated Maternal Psychosocial Assessment to Care Trial Pilot (IMPACT-Pilot)	WCHRI/Norlien Foundation	Sept 2012- Aug 2014	Co-I	Dawn Kingston (PI) Austin MP Biringer A Chaput K Hegadoren K Lasiuk G MacQueen G McDonald SW McGrath P Schopflocher D	\$124,996
Barriers and Facilitators of Psychosocial Assessment in Pregnant and Postpartum Women and their health care Providers	WCHRI	Sept 2012- Aug 2014	Co-I	Dawn Kingston (PI) Austin MP Biringer A Heaman MI Hegadoren KM Higgenbottom GM Lasiuk GC McDonald SD McDonald SW Sword W	\$49,998
Development and Testing of a Survey of Barriers and Facilitators of Psychosocial Assessment in Pregnant and Postpartum Women and their Healthcare Providers	University of Alberta Faculty of Nursing Establishment Fund	Oct 2012- Oct 2013	Co-I	Dawn Kingston (PI) Austin MP Biringer A Heaman MI Hegadoren KM Lasiuk GC McDonald SD McDonald SW Sword W	\$15,000
Mental Health E-Screening in Pregnant and Postpartum Women	Catalyst Grant: E-Health Innovations, CIHR	Apr 2012- Apr 2013	Co-I	Dawn Kingston (PI) Austin MP Biringer A Heaman MI Hegadoren KM Lasiuk GC MacQueen G McDonald SD McDonald SW Ohinmaa A Sword W van Zanten S	\$99,902

Title	Funder	Period of Support (estimates)	Role	Research Team	Amount
Risk Factors for Early Language Delay	Alberta Centre for Child, Family & Community Research	March 2012- Apr 2013	Co-I	Suzanne Tough (PI) Beverly Collisson Susan Graham Sheila McDonald	\$40,000
All Our Babies Cohort: Understanding development	Alberta Children's Hospital Foundation, (\$100,000 - Donor Directed Funding; \$300,000 – Large Grants)	Apr 2011 – Mar 2015	Co-I	Suzanne Tough (PI) Beverly Collisson Karen Benzies Shirley Leew Joyce Magill-Evans Sheila McDonald	\$400,000
Community Perinatal Care Follow-Up Study (age 8): It's all about me	Calgary Children's Initiative (United Way)	July 2009 – Apr 2012	Lead*: postdoc research project	Suzanne Tough (PI) David Johnston Shirley Leew Sheila McDonald Jodi Seiver	\$40,000
Can telephone support in the prenatal period influence maternal well being into the post partum?	Alberta Centre for Child, Family & Community Research	Aug 2009 – Nov 2011	Co-I	Suzanne Tough (PI) Karen Benzies Katie Chaput Monica Jack Sheila McDonald	\$10,000
Compiling the evidence to inform a future follow-up of the CPC longitudinal cohort in pre-adolescence: Creation of a data repository and synthesizing the literature	Alberta Centre for Child, Family & Community Research	July 2010 – Apr 2012	Co-I/ Lead*	Suzanne Tough (PI) Sheila McDonald	\$10,000

*I developed, wrote, and submitted this competitive grant. I will lead the research team and deliverables as outlined in grant.

PUBLICATIONS/PRESENTATIONS

- Saini V, MacDonald S, McNeil D, **McDonald S**, Kellner J, Stagg V, Tough S. Timeliness and completeness of routine childhood immunizations in Alberta. *Canadian Journal of Public Health*, 108(2): e124-e128. doi: 10.17269/cjph.108.5885. 2017.
- Hetherington E, **McDonald S**, Wu M, Tough S. Risk and Protective Factors for Mental Health and Community Cohesion After the 2013 Calgary Flood. *Disaster Med Public Health Prep*. doi: 10.1017/dmp.2017.91. 2017 [Epub ahead of print]
- Tough SC, **McDonald SW**, Collisson B, Kehler H, Graham S, Kingston D, Benzies K. Cohort Profile: The All Our Babies pregnancy cohort (AOB). *Int J Epidemiol*. doi: 10.1093/ije/dyw363. 2017 [Epub ahead of print]
- Benediktsson I, **McDonald S**, Tough S. Examining the Psychometric Properties of Three Standardized Screening Tools in a Pregnant and Parenting Population. *Matern Child Health J*, 21(2):253-259. doi: 10.1007/s10995-016-2128-4. 2017.
- McDonald SW**, Kehler H, Tough S. Protective factors for child development at age two in the presence of poor maternal mental health: results from the All Our Babies (AOB) pregnancy cohort. *BMJ Open*,6:e012096 doi:10.1136/bmjopen-2016-012096. 2016.
- McDonald SW**, Kehler H, Bayrampour H, Fraser-Lee N, Tough SC. Risk and protective factors in early child development: Results from the All Our Babies (AOB) pregnancy cohort. *Research in Developmental Disabilities*,58:20-30. doi: 10.1016/j.ridd.2016.08.010. 2016.
- McDonald SW**, Ginez H, Vinturache, A, Tough S. Maternal perceptions of under- and overweight for 6-8 year olds: Reporting weights, concerns, and conversations with healthcare providers. *BMJ Open*, 6(10):e012094. doi: 10.1136/bmjopen-2016-012094. 2016.
- Heng Y, Pennell C, **McDonald SW**, Vinturache A, Xu J, Lee M, Briollais L, Lyon A, Slater D, Bocking A, de Koning L, Olson D, Dolan S, Tough S, Lye S. Maternal whole blood gene expression at 18 and 28 weeks of gestation associated with spontaneous preterm birth in asymptomatic women. *PLoS One*, 22;11(6):e0155191. doi: 10.1371/journal.pone.0155191. 2016.
- Ballantyne M, Benzies K, **McDonald SW**, Magill-Evans J, Tough S. Risk of Developmental Delay: Comparison of Late Preterm and Full Term Canadian Infants at Age 12 Months. *Early Hum Dev.*,101:27-32. doi: 10.1016/j.earlhumdev.2016.04.004. 2016.
- Hobbs AJ, Mannion CA, **McDonald SW**, Brockway M, Tough SC. The Impact of Caesarean Section on Breastfeeding Initiation, Duration and Difficulties in the First Four Months Postpartum. *BMC Pregnancy Childbirth*,;16:90. doi: 10.1186/s12884-016-0876-1. 2016.
- Collisson BA, Graham SA, Preston JL, Rose MS, **McDonald S**, Tough S. Risk and Protective Factors for Late Talking: An Epidemiologic Investigation. *J Pediatr*, 172:168-174.e1. doi: 10.1016/j.jpeds.2016.02.020. 2016.
- Hetherington E, Doktorchik C, Premji SS, **McDonald SW**, Tough SC, Sauve RS. Preterm Birth and Social Support during Pregnancy: a Systematic Review and Meta-Analysis. *Paediatr Perinat Epidemiol*, 29(6):523-35. doi: 10.1111/ppe.12225. 2015.
- Kingston DE, Biringer A, Toosi A, Heaman MI, Lasiuk GC, **McDonald SW**, Kingston J, Sword W, Jarema K, Austin MP. Disclosure during prenatal mental health screening. *J Affect Disord*, 186:90-94, 2015.
- Kingston DE, Biringer A, **McDonald SW**, Heaman MI, Lasiuk GC, Hegadoren KM, McDonald SD, van Zanten SV, Sword W, Kingston JJ, Jarema KM, Vermeyden L, Austin MP. Preferences for mental health screening among pregnant women: A cross-sectional study. *American Journal of Preventive Medicine*, pii: S0749-3797(15)00148-8, 2015.
- Kingston D, **McDonald S**, Austin MP, Tough S. Association between prenatal and postnatal psychological distress and toddler cognitive development: a systematic review. *PLoS one*, 10(5):e0126929, 2015.
- Vinturache A, Stephenson N, **McDonald S**, Wu M, Bayrampour H, Tough S. Health-related quality of life in pregnancy and postpartum among women with assisted conception in Canada. *Fertility and Sterility*, 104(1): 188-195.e1, 2015.
- Bayrampour H, **McDonald S**, Tough S. Risk factors of transient and persistent anxiety during pregnancy. *Midwifery*, 31(6): 582-589, 2015.
- McDonald S**, Kingston D, Bayrampour H, Tough S. Adverse Childhood Experiences in Alberta, Canada: a population based study. *Medical Research Archives*, [S.I.], n. 3, 2015. Available at: <http://www.journals.ke-i.org/index.php/mra/article/view/142>.

Mannion CA, Vinturache AE, **McDonald SW**, Tough SC. The Influence of Back Pain and Urinary Incontinence on Daily Tasks of Mothers at 12 Months Postpartum. *PloS one*, 10(6): e0129615, 2015.

Vinturache A, **McDonald S**, Slater D, Tough S. Perinatal outcomes of maternal overweight and obesity in term infants: a population-based cohort study in Canada. *Scientific Reports*,5:9334, 2015.

Kingston D, Janes-Kelley S, Tyrrell J, Clark L, Hamza D, Holmes P, Parkes C, Moyo N, **McDonald S**, Austin MP. An integrated web-based mental health intervention of assessment-referral-care to reduce stress, anxiety, and depression in hospitalized pregnant women with medically high-risk pregnancies: a feasibility study protocol of hospital-based implementation. *JIMR Research Protocols*, 4(1):e9, 2015.

McDonald SW, Hicks M, Rasmussen C, Nagulesapillai T, Cook J, Tough S. Characteristics of women who consume alcohol before and after pregnancy recognition in a canadian sample: a prospective cohort study. *Alcoholism: Clinical and Experimental Research*, 38(12):3008-3016, 2014.

Vinturache A, Moledina N, **McDonald S**, Slater D, Tough S. Pre-Pregnancy Body Mass Index (BMI) and Delivery Outcomes in a Canadian Population. *BMC Pregnancy and Childbirth*, 14(1):422, 2014.

Bayrampour H, **McDonald SW**, Fung T, Tough S. Reliability and validity of three shortened versions of the State Anxiety Inventory Scale during the perinatal period. *Journal of Psychosomatic Obstetrics & Gynecology*, 35(3):101-107, 2014.

Cabaj J, **McDonald SW**, Tough S. Life course risk and resilience factors for behavioural and emotional problems in middle childhood. *BMC Pediatrics*, 14(1):166, 2014.

McDonald SW, Kingston D, Bayrampour H, Dolan S, Tough, S. Cumulative psychosocial risk and preterm birth: the role of resiliency factors *Archives of Women's Mental Health* DOI 10.1007/s00737-014-0436-5, 2014.

Kingston D, Austin MP, Hegadoren K, McDonald S, Lasiuk G, **McDonald SW**, Heaman M, Biringer A, Sword W, Giallo R, Patel T, Lane-Smith M, van Zanten SV. Study protocol for a randomized, controlled, superiority trial comparing the clinical and cost-effectiveness of integrated online mental health assessment-referral-care in pregnancy to usual prenatal care on prenatal and postnatal mental health and infant health and development: the Integrated Maternal Psychosocial Assessment to Care Trial (IMPACT). *Trials*, 15:72, 2014.

Kingston D, **McDonald SW**, Tough S, Austin MP, Hegadoren K, Lasiuk G. Public Views of Acceptability of Perinatal Mental Health Screening and Treatment Preference: A Population Based Survey. *BMC Pregnancy and Childbirth*, 14:67, 2014.

Raguz N, **McDonald SW**, Metcalfe A, O'Quinn C, Tough SC. Mental health outcomes of mothers who conceived using fertility treatment. *Reproductive Health*, 11(1):19, 2014.

Kingston D, **McDonald SW**, Austin MP, Hegadoren K, Lasiuk G, Tough S. The Public's Views of Mental Health in Pregnancy and Postpartum Women: A Population-Based Study. *BMC Pregnancy and Childbirth*, 14(1):84, 2014.

Kingston D, **McDonald SW**, Biringer A, Austin, MP, Hegadoren K, McDonald SD, Giallo R, Ohinmaa A, Lasiuk G, MacQueen G, Sword W, Lane-Smith M, Verldhuyzen van Zanten S. Comparing the feasibility, acceptability, clinical-, and cost-effectiveness of mental health e-screening to paper-based screening on the detection of depression, anxiety, and psychosocial risk in pregnant women: a study protocol of a randomized, parallel-group, superiority trial. *Trials*, 15:3, 2014.

Leung B, **McDonald SW**, Giesbrecht G, Kaplan B, Tough S. Comparison of sample characteristics in two pregnancy cohorts: community-based versus population-based recruitment methods. *BMC Medical Research Methodology*, 13:149, 2013.

Nagulesapillai T, **McDonald SW**, Fenton T, Mercader H, Tough SC. Breastfeeding difficulties and exclusivity among late preterm and term infants: Results from the All Our Babies Study. *Canadian Journal of Public Health*, 104(4):e351-356, 2013.

Mannion C, Hobbs A, **McDonald SW**, Tough SC. Maternal perception of partner support during breastfeeding. *International Breastfeeding Journal*. DOI: 10.1186/1746-4358-8-4, 2013.

McDonald SW, Lyon A, Benzies K, McNeil D, Lye S, Dolan SM, Pennel C, Bocking A, Tough S. The All Our Babies pregnancy cohort: design, methods, and participant characteristics. *BMC Pregnancy and Childbirth*. Suppl(1):S2, 2013.

Benediktsson I, **McDonald SW**, Vekved M, Tough SC. Comparing Centering Pregnancy to standard prenatal care plus prenatal education. *BMC Pregnancy and Childbirth*. Suppl(1):S5, 2013.

Bat-Erdene U, Metcalfe A, **McDonald SW**, Tough SC. Validation of Canadian mothers' recall of events in labour and delivery with medical records. *BMC Pregnancy and Childbirth*. Suppl(1):S3, 2013.

Malta L, **McDonald SW**, Hegadoran K, Weller C, Tough S. Influence of interpersonal violence on maternal anxiety, depression, stress and parenting morale in the early postpartum, accounting for social support and optimism. *BMC Pregnancy and Childbirth*. 12:153, 2012.

McDonald SW, Benzies K, Gallant J, McNeil D, Dolan S, Tough S. A comparison of late preterm infants and term infants on breastfeeding and maternal mental health at 4-months postpartum: findings from an urban pregnancy cohort. *Maternal and Child Health Journal*. DOI 10.1007/s10995-012-1153-1, 2012.

O'Quinn C, Metcalfe A, **McDonald SW**, Raguz N, Tough SC. Exclusive breastfeeding and assisted reproductive technologies: a Calgary cohort. *Reproductive System and Sexual Disorders*. DOI:10.4172/2161-038X.S5-002, 2012.

McDonald SW, Wall J, Forbes K, Vekved M, Kingston D, Kehler H, Tough S. Development of a prenatal psychosocial screening tool for postpartum depression and anxiety. *Paediatric and Perinatal Epidemiology*. 26: 316–327, 2012.

Gracie SK, Lyon AW, Kehler HL, Pennell CE, Dolan SM, McNeil DA, Siever JE, **McDonald SW**, Bocking AD, Lye SJ, Hegadoren KM, Olson DM, Tough SC. All Our Babies Cohort Study: Recruitment of a cohort to predict women at risk of preterm birth through the examination of gene expression profiles and the environment. *BMC Pregnancy and Childbirth*. 10:87, 2010.

Note: previously married name: Spreng

Boothroyd LJ, Kirmayer LJ, **Spreng S**, Malus M, Hodgins S. Completed suicides among the Inuit of northern Quebec, 1982-1996: a case-control study. *Canadian Medical Association Journal*. 165(6):749-55, 2001.

West M, Adam K, **Spreng S**, Rose S. Attachment disorganization and dissociative symptoms in clinically treated adolescents. *Canadian Journal of Psychiatry*. 46(7):627-31, 2001.

West M, Rose S, **Spreng S**, Adam K. The Adolescent Unresolved Attachment Questionnaire: the assessment of perceptions of parental abdication of caregiving behavior. *Journal of Genetic Psychology*. 161(4):493-503, 2000.

Rose MS, Koshman ML, **Spreng S**, Sheldon R. The relationship between health-related quality of life and frequency of spells in patients with syncope. *Journal of Clinical Epidemiology*. 53(12):1209-16, 2000.

West ML, **Spreng SW**, Rose SM, Adam KS. Relationship between attachment-felt security and history of suicidal behaviours in clinical adolescents. *Canadian Journal of Psychiatry*. 44(6):578-82, 1999.

West M, Rose SM, **Spreng S**, Verhoef M, Bergman J. Anxious attachment and severity of depressive symptomatology in women. *Women & Health*. 29(1):47-56, 1999.

Rose MS, Koshman ML, **Spreng S**, Sheldon R. Statistical issues encountered in the comparison of health-related quality of life in diseased patients to published general population norms: problems and solutions. *Journal of Clinical Epidemiology*. 52(5):405-12, 1999.

West M, **Spreng S**, Casares-Knight P, Rose SM, Leiper R. A comparison of two measures to assess adult attachment. *Journal of Genetic Psychology*. 159(3):345-52, 1998.

West M, Rose MS, Verhoef MJ, **Spreng S**, Bobey M. Anxious attachment and self-reported depressive symptomatology in women. *Canadian Journal of Psychiatry*. 43(3):294-7, 1998.

Book Chapters

McDonald SW, Tough S. Measuring what we value, and valuing what we measure (chapter 5). In: Chief Medical Officer of Health. *Let's Talk About the Early Years: Early Childhood Development*. 2011; Edmonton, AB: Alberta Health and Wellness. <http://www.health.alberta.ca/documents/CMOH-Lets-Talk-Early-Years-2011.pdf>

Reviews

Kramer, M.S, **McDonald, S**. Aerobic exercise for women during pregnancy. *Cochrane Database of Systematic Reviews*. Issue 2. Art. No.: CD000180, 2006, 2010 (update)

Reports (published)

McDonald SW, Kingston D, Modgill G, Tough S. (2016) Intergenerational Transmission of Risk of Maternal Adverse Childhood Experiences (Prepared for Palix Foundation and ACCFCR). Calgary, Canada: Department of Pediatrics, University of Calgary.

McDonald SW, Wu M, Tough SC. (2015) Impact of the flood on a population of Calgary Families: Analysis of the All Our Babies Study (Prepared for Alberta Health). Calgary, Canada: Department of Pediatrics, University of Calgary.

McDonald SW, Tough SC. (2014). The Alberta Adverse Childhood Experiences Study (Prepared for The Alberta Centre for Child Family, and Community Research).

McDonald SW, Kehler H, Tough SC. (2013). Risk and Resilience Factors for Early Child Development: An Analysis of the All Our Babies Cohort (Prepared for Upstart, United Way of Calgary). Calgary, Canada: Department of Pediatrics, University of Calgary.

Reports (unpublished)

McDonald S. Child and Youth Mental Health Initiative: Recommendations. Report to Dr. Glenda MacQueen, Department of Psychiatry, University of Calgary, Nov 14, 2011 Symposium, Calgary, AB.

McDonald S. Toward a Unified Strategy for a Canadian National Cohort Initiative: International Panel Recommendations. Report to CIHR, Dec 8-9, 2005 Workshop, Toronto, ON.

Conference/Workshop Proceedings

McDonald S, Wall J, Jack M, Tough S. Derivation of a screening tool in the prenatal period for postpartum depression. Conference proceedings from the Society for Pediatric and Perinatal Epidemiologic Research 23rd Annual Meeting, Seattle, Washington, June 22-23, 2010, (abstract p. 40). <http://www.sper.org/finalprogram2010.pdf>

Peer-reviewed abstracts

Chaput K, Kehler H, **McDonald S**, Tough S. Limited prenatal care and increased risk of poor breastfeeding outcomes. *American Journal of Epidemiology* 2011;173 (Suppl 11):S134.

Collisson BA, **McDonald SW**, Tough SC. Factors contributing to the uptake of routine pediatric vaccinations among infants. *American Journal of Epidemiology* 2011;173 (Suppl 11):S101.

McDonald S, Wall J, Forbes K, Kehler H, Tough S. Prenatal screening for suboptimal mental health in the postpartum period. *American Journal of Epidemiology* 2011;173 (Suppl 11):S151.

McDonald S, Wall J, Forbes K, Tough S. Prenatal screening for suboptimal mental health in the postpartum period. *Journal of Epidemiology and Community Health* 2011;65 (Suppl 1):A131 doi:10.1136/jech.2011.142976e.27

McDonald S, Kehler H, Tough S. Does social support buffer anxiety associated with returning to work or school for new mothers in the first year after giving birth? *Journal of Epidemiology and Community Health* 2011;65 (Suppl 1):A131 doi:10.1136/jech.2011.142976e.28

Weller C, Metcalfe A, **McDonald S**, Kehler H, Tough S. Effects of maternal history of abuse on child development at age 3. *Journal of Epidemiology and Community Health* 2011;65 (Suppl 1):A468 doi:10.1136/jech.2011.142976q.22

Weller C, **McDonald S**, Kehler H, Tough S. Viability of a single emotional health question compared to three self-report measures of mental health. *Journal of Epidemiology and Community Health* 2011;65 (Suppl 1):A217 doi:10.1136/jech.2011.142976h.31

McDonald S, Moodie E, Lynch J. Methodological approaches to conceptualizing and modeling the effect of dynamic family structure on child behavior. *American Journal of Epidemiology* 2010; 171 (Suppl11): S112.

Wilchesky M, Platt RW, Delaney JA, **McDonald S**, Dial S, Suissa S. The causal effect of prescription drugs on community-acquired clostridium difficile associated disease: a marginal structural models analysis. *American Journal of Epidemiology* 2007; 165 (Suppl11): S65.

McDonald S. Longitudinal research on family structure effects: important methodological issues. *American Journal of Epidemiology* 2006; 163 (Suppl11): S275.

Poster Presentations

McDonald SW, Kingston D, Tough S. Adverse Childhood Experience in Alberta, Canada: a population based study. *European Association of Pediatric Societies*, Barcelona, Spain, October 17-21, 2014.

McDonald SW, Mannion C, Vinturache A, Tough S. The Impact of back pain and urinary incontinence following childbirth on breastfeeding and postpartum mental health. *Western Perinatal Research Meeting*, Banff, Alberta, February 13-15, 2014.

Vinturache A, **McDonald S**, Lye S, Dolan S, Pennell C, Tough S. Validity of mothers' recall of events in labour and delivery and electronic health records with medical records. *Western Perinatal Research Meeting*, Banff, Alberta, February 15-16, 2013. Won Public Health Theme award.

Nagulesapillai T, **McDonald S**, Fenton T, Mercader H, Tough S. Breastfeeding difficulties and exclusivity among late preterm and term infants: results from the All Our Babies study. *Western Perinatal Research Meeting*, Banff, Alberta, February 15-16, 2013.

McDonald SW, Benzie K, Tough S. Does anxiety associated with back to work intentions among new mothers differ according to parity? *Western Perinatal Research Meeting*, Banff, AB, Feb 16-19, 2012.

McDonald S, Kehler H, Tough S. Does social support buffer anxiety associated with returning to work or school for new mothers in the first year after giving birth? *XIX IEA World Congress of Epidemiology*, Edinburgh, Scotland, August 7-11, 2011.

McDonald S, Wall J, Forbes K, Tough S. Prenatal screening for suboptimal mental health in the postpartum period. *XIX IEA World Congress of Epidemiology*, Edinburgh, Scotland, August 7-11, 2011.

Weller C, **McDonald S**, Kehler H, Tough S. Viability of a single emotional health question compared to three self-report measures of mental health. *XIX IEA World Congress of Epidemiology*, Edinburgh, Scotland, August 7-11, 2011.

Chaput KH, Kehler H, **McDonald S**, Tough SC. Limited prenatal care and sub-optimal antenatal mental health increase risk of poor breastfeeding outcomes. *3rd North American Congress of Epidemiology*, Montreal, QC, June 21-24, 2011.

McDonald S, Wall J, Forbes K, Vekved M, Kehler H, Tough S. Validation of a prenatal screening tool for suboptimal mental health in the postpartum. *3rd North American Congress of Epidemiology*, Montreal, QC, June 21-24, 2011.

Collisson BA, **McDonald SW**, Tough SC. Factors contributing to the uptake of routine pediatric vaccinations among infants. *3rd North American Congress of Epidemiology*, Montreal, QC, June 21-24, 2011.

Weller C, **McDonald S**, Kehler H, Tough S. Viability of a single emotional health question compared to three self-report measures of mental health. *Alberta Children's Hospital Research Institute for Child and Maternal Health Symposium: Optimizing Health Outcomes through the Transitions from Conception to Adulthood*, Calgary, AB, April 18, 2011.

Chaput KH, Kehler H, **McDonald S**, Tough SC. Limited prenatal care and sub-optimal antenatal mental health increase risk of poor breastfeeding outcomes. *Western Perinatal Research Meeting*, Banff, AB, February 17-20, 2011.

Collisson BA, **McDonald SW**, Tough SC. Factors associated with the uptake of pediatric vaccinations among infants. *Western Perinatal Research Meeting*, Banff, AB, February 17-20, 2011.

McDonald S, Wall J, Forbes K, Vekved M, Kehler H, Tough S. Derivation of a screening tool in the prenatal period for suboptimal mental health in the postpartum period. *Western Perinatal Research Meeting*, Banff, AB, February 17-20, 2011.

Weller C, Metcalfe A, **McDonald S**, Kehler H, Tough SC. Effects of maternal history of abuse on child development at age 3. *Western Perinatal Research Meeting*, Banff, AB, February 17-20, 2011.

McDonald S, Wall J, Jack M, Tough S. Derivation of a screening tool in the prenatal period for postpartum depression. *23rd Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research (SPER)*, Seattle, WA, June 22-23, 2010.

McDonald S, Kramer M. Aerobic exercise for women during pregnancy: a Cochrane database systematic review. *Western Perinatal Research Meeting*, Banff, AB, 2010.

Oral Presentations

Lach L, Kohen D, Arim R, Miller A, **McDonald S**, Fayed N, Cohen E, Guttman A, Kitchen L, Nicholas D, Rosenbaum P, Bogossian A. Identifying Indicators for Children with Neurodisabilities and Families in Canada: How Best To Proceed? *Panel Session, 6th Conference of the International Society for Child Indicators*, Montreal, QC, June 2017.

McDonald S, Tough S. ACEs, Optimism and Resilience: Alberta research findings and strategies for health professionals. *Plenary Presentation, Prevention and Longevity Conference*, Calgary, AB, Jan 2017.

McDonald S, Kehler H, Tough S. Protective Factors for Child Development at Age 2 in the Presence of Poor Maternal Mental Health: Results from the All Our Babies (AOB) Pregnancy Cohort. *International Association for Child and Adolescent Psychiatry and Allied Professionals World Congress*, Calgary AB, Sept 2016.

McDonald S, Kingston D, Tough S. Maternal Adverse Childhood Experiences, Parenting, and Offspring Child Development. *International Association for Child and Adolescent Psychiatry and Allied Professionals World Congress*, Calgary AB, Sept 2016.

McDonald S, Wu M, Tough S. Development of a Self-Regulation Screening Tool in Early Childhood: Results from a Community-Based Cohort. *International Association for Child and Adolescent Psychiatry and Allied Professionals World Congress*, Calgary AB, Sept 2016.

McDonald S, Tough S. Identification of Protective Factors for Self-regulation at Age 3. *The First 2000 Days Network and Calgary Reads*, Calgary AB, Fall 2016.

McDonald S, Kehler H, Tough S. Risk and Resilience Factors for Early Child Development. Pathways to Resilience International Conference, Halifax NS, 2015.

McDonald S, Tough S. The 2013 Alberta Adverse Childhood Experiences (ACE) Survey AND key learnings and potential strategies to foster resilience. *Keynote Presentation, National Addictions Awareness Conference*, Lethbridge, AB, Nov 2016.

McDonald S, McNeil D. Public Health data: Evidence for action. *A Methods Hub LunchBox Session, Department of Community Health Sciences*, Nov 2015.

McDonald S, Tough S. Results from the Alberta Adverse Childhood Experiences Study. *Alberta Centre for Child, Family and Community Research. Adverse Childhood Experiences Showcase*, June 2015.

McDonald S, Tough S. Risk and Resilience in Maternal Child Health; Analysis of the All Our Babies Study. *Neonatal Grand Rounds*. Calgary, AB, March 2015

McDonald S, Tough S. The 2013 Alberta ACE Survey. *Sheldon Chumir Centre*, Jan 2015.

McDonald S, Kehler H, Tough S. Risk and resilience factors for developmental delay at 12 months. *The First 2000 Days (Upstart/United Way)*, Dec 2013.

McDonald S, Nagulesapillai T, Tough S. Characteristics of women who consume alcohol in pregnancy: An analysis of the All Our Babies study. *First International Conference on Prevention of FASD*. Edmonton, AB, 2013.

McDonald S, Tough S. Resiliency in the Context of Risk. *Alberta Family Wellness Initiative/Frontiers of Innovation*. Research Symposium, Apr 2013.

McDonald S, Stephenson N. The All Our Babies Cohort: overview and opportunities. *Centre for Child Well-Being*, Mount Royal University, Oct 2012.

McDonald S, Benzies K, Gallant J, McNeil D, Tough S. A comparison between late-preterm and full-term infants on breastfeeding and maternal psychosocial health status at 4 months: findings from a community based prospective cohort study. *Society for Epidemiological Research Annual Meeting (Late Breaker Session)*, Minnesota, MN, 2012.

McDonald S. Late-preterm births: an understudied population. *PreHOT Annual Team Meeting*, Banff, AB, 2012.

McDonald S. Opportunities in Pregnancy: Development of a clinically useful screening tool in pregnancy. *All Our Babies Cohort Research Showcase*, Child Development Centre, ACH, Calgary, AB, 2011.

McDonald S. Methodological approaches to conceptualizing and modeling the effect of dynamic family structure on child behavior. *Society for Epidemiological Research Annual Meeting (Spotlight Session)*, Seattle, WA, 2010.

McDonald S. *Longitudinal research on family structure effects: important methodological issues. Society for Epidemiological Research Annual Meeting (Spotlight Session)*, Seattle WA, 2006.

McDonald S. Longitudinal observational research in social epidemiology: conceptualizing and analyzing causal effects. *Department of Epidemiology and Biostatistics Annual Research Day*, McGill University, Montreal, QC, 2006.

McDonald S. A lifecourse epidemiological study of dynamic family structure and child behavior: conceptualization and modeling issues. *Alberta Children's Hospital Child Research Rounds*, Calgary, AB, 2009.

McDonald S. Methodological approaches for time-dependent exposures in social and psychiatric epidemiology. *Culture and Mental Health Research Rounds*, Jewish General Hospital. Montreal, QC, 2008.

McDonald S. A lost cause? Modeling the causal effect of a longitudinal exposure in social epidemiology. *Invited lecturer: Department of Social Medicine, University of Copenhagen*, Copenhagen, Denmark, 2007.