

**ROBERT W. PLATT**

**McGill University, Faculty of Medicine**

**Curriculum Vitae**

Date of last revision: September 15, 2021

**A. IDENTIFICATION**

**Name:**

Robert W. Platt, Ph.D.

**Office Mailing Address:**

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**Other:**

Citizenship: Canada

Languages Spoken: English, French

## **B. EDUCATION**

### **Undergraduate:**

McGill University, Montreal, Quebec  
Department of Mathematics and Statistics,  
B.Sc., Mathematics, First Class Honors  
September 1986 to April 1990

### **Graduate:**

M.Sc., Statistics, 1993  
University of Manitoba, Winnipeg, Manitoba  
Department of Statistics

M.Sc., Biostatistics, 1995  
University of Washington, Seattle, Washington  
Department of Biostatistics

Ph.D., Biostatistics, 1996  
University of Washington, Seattle, Washington  
Department of Biostatistics  
Thesis Topic: An Evaluation of Saddlepoint Approximations in the Generalized Linear Model  
Supervisor: Dr. Norman Breslow

## **C. APPOINTMENTS**

### **University:**

Interim Chair

Department of Epidemiology, Biostatistics and Occupational Health  
McGill University, Montreal, Quebec  
September 2020 to present

Interim Director

School of Population & Global Health  
McGill University, Montreal, Quebec  
April 2019 to September 2019

Albert Boehringer I Chair

Departments of Pediatrics and of Epidemiology, Biostatistics and Occupational Health  
McGill University, Montreal, Quebec  
January 2016 to present

Professor (with tenure)

Departments of Pediatrics and of Epidemiology, Biostatistics and Occupational Health  
McGill University, Montreal, Quebec  
January 2011 to present

Associate Professor (with tenure)

Departments of Pediatrics and of Epidemiology, Biostatistics and Occupational Health  
McGill University, Montreal, Quebec  
June 2004 to December 2010

Assistant Professor

Departments of Pediatrics and of Epidemiology, Biostatistics and Occupational Health  
McGill University, Montreal, Quebec  
October 1996 to May 2004

### **Hospital:**

Associate Director - Biostatistics and Data Management  
Centre for Innovative Medicine  
McGill University Health Centre Research Institute  
April 2013- May 2015

Director

Biostatistical Consulting Service  
Montreal Children's Hospital Research Institute

Oct 1996 to April 2013

Investigator

Montreal Children's Hospital Research Institute/MUHC Research Institute

Oct 1996 to present

**Other:**

Affiliate Member

Children's Hospital of Eastern Ontario Research Institute

November 2000 to present

**D. SPECIAL HONORS, AWARDS, RECOGNITION**

Faculty Scholar, McGill University. 1987-1990.

University Scholar, McGill University 1989-1990.

E Beatty Scholarship Award for excellence in undergraduate Mathematics, McGill University 1988-1989 and 1989-1990.

University of Manitoba Fellowship -- Graduate Study Fellowship, University of Manitoba, 1991-1993.

ARCS Fellowship Award

Department of Biostatistics University of Washington, 1993-1996.

Donovan J. Thompson Award for best performance on the Ph.D. qualifying exams

Department of Biostatistics, University of Washington, 1994.

Chercheur-Boursier award, Fonds de Recherche en Santé du Québec, 1999-2003 (declined).

Medical Research Council of Canada Scholarship (CIHR New Investigator award), 1999-2004.

Fraser, Monat, McPherson Award (McGill Faculty of Medicine), 2004-2007.

Chercheur-Boursier award, Fonds de Recherche en Santé du Québec, 2005-2008.

Prix d'Excellence, Fonds de la recherche sur les maladies infantiles, 2005

Chercheur-Boursier Senior award, Fonds de Recherche en Santé du Québec, 2008-2012.

Chercheur-National award, Fonds de Recherche en Santé du Québec, 2012-2016

Albert Boehringer I chair in Pharmacoepidemiology, 2016 (Feb)

PDS Best Reviewer 2015- Pharmacoepidemiology and Drug Safety, 2016 (August)

2016 Web of Science Highly Cited Researcher, 2016 (September)

PDS Best Reviewer 2016 - Pharmacoepidemiology and Drug Safety, 2017 (July)

2017 F1000Prime award (Research Methodology), 2018 (March)

## **E. TEACHING**

### **McGill Courses**

(note - for each course hour, 2-3 hours of preparation required)

513-678 : Analysis of Multivariable data

Co-taught with Dr. M. Abrahamowicz and Dr. A. Ciampi

June 1998, 9 course hours

Course evaluations available.

EPIB-681 (formerly 513-681). Data Analysis II: Analysis of Binary Data

3 credits, 39 course hours:

1996-97 co-taught with Dr. S. Suissa

1997-98 to 2002-03, sole instructor.

Course evaluations available for all years.

EPIB-652 (formerly 513-652): Analysis of Correlated Data

1 credit, 13 course hours:

2000-01 to 2002-03, sole instructor

Developed this course (previously not offered)

Course evaluations available for all years.

EPIB-659: Introduction to Statistical Computing for Epidemiology

1 credit, 13 course hours:

Fall 2004, sole instructor

Developed this course (previously not offered)

Course evaluations available for all years.

EPIB-675: Analysis of Correlated Data (replaced EPIB-652)

3 credits, 39 course hours:

2003-04 to 2006-07, sole instructor (except 2005-06 on sabbatical leave and 2006-

07 co-taught with Andrea Benedetti)

Developed this course (previously not offered)

Course evaluations available for all years.

EPIB-658: Statistical Methods for Causal Inference in Epidemiology

1 credit, 13 course hours:

Winter 2007, sole instructor

Developed this course (previously not offered)

Course evaluations available for all years.

BIOS-624: Data Analysis and Report Writing

4 credits, 52 course hours

Winter term (2008-13)

Developed this course (previously not offered)

Course evaluations available for all years

BIOS-701 applied comprehensive exam – chair of committee and lead examiner, 2008-13, examiner 2015

EPIB-610 (now EPIB-710): Causal Inference

3 credits, 39 course hours

Fall 2007, co-taught with John Lynch (formerly EPIB 608)

Winter 2009-11, co-taught with Jay Kaufman

Winter 2012, co-taught with Arijit Nandi

Winter 2013, co-taught with Ashley Naimi

Winter 2015-Fall 2018, taught alone

Developed this course (previously not offered)

Course evaluations available for all years

BIOS-610: Causal Inference in Biostatistics

4 credits, 52 course hours

Winter 2015-Fall 2018 taught alone

Developed this course (previously not offered)

Course evaluations available for all years

EPIB-645: Confounding Control – Advanced Methods

1 credit, 13 course hours

Summer 2019-present

Developed this course

Guest lectures in other McGill Epidemiology and Biostatistics courses: minimum 3 hrs/term

## Research Trainees Supervised

### Epidemiology and Biostatistics - Biostatistics Stream/Biostatistics Program

H. Yang, M.Sc.: “Change-point models in the risk of anti-asthmatic drugs”, degree granted 1999. Co-supervisor: Samy Suissa. Employed: University of Calgary

S. Sultan, M.Sc.: “Probabilistic Assessment of Study Quality in Meta-analysis”, degree granted 2002. Employed: Health Canada

Khajak Ishak, Ph.D.: “Meta-analysis: Approaches to Multivariate Outcomes”. Canada Graduate Scholar.; degree granted October 2006. Employed: United BioSource

Tong Guo, Ph.D.: “Causal Inference in Randomized Trials in the Presence of Partial Compliance” degree granted November 2009. Employed: WuXiPra Contract Research.

Marie-Eve Beauchamp, Ph.D.: “Models for heterogeneity in proportions for longitudinal binary data”, degree granted June 2010. Employed: McGill University Health Centre Research Institute

Mireille Schnitzer, Ph.D.: “Targeted maximum likelihood estimation”, degree granted 2012. Employed: Assistant Professor, Universite de Montreal.

Menglan Pang, M.Sc.: “A study of non-collapsibility of the odds ratio via marginal structural and logistic regression models”, degree granted 2012.

Michael Regier, Postdoctoral fellow: “Measurement error in causal inference”. Co-supervisor: Erica Moodie. Sept. 2009- Oct. 2012 Employed: University of West Virginia

Maria Eberg. MSc, biostatistics. “Multiple imputation for missing data in multi-stage designs” degree granted 2013. Employed: IC/ES

Tibor Schuster, Postdoctoral fellow: “Drug Safety research using the propensity score”. 2012-2014. Employed: Canada Research Chair, McGill University

Pablo Gonzalez Ginestet, MSc. “Bayesian Adjustment for Confounding in Bayesian Propensity Scores” 2013-2015. Employed: Research Assistant, Karolinska Institute

Menglan Pang, Ph.D.. “Flexible Accelerated Failure Time Models”. 2014-2021 (FRSQ studentship). Employed, Biogen.

Gabrielle Simoneau, Ph.D. “Dynamic Treatment Regimes in Survival Analysis”. 2015-2018 (FQRNT studentship; co-supervised with Erica Moodie)



Maria Esther Perez Trejo, PhD: “Double clustering in cluster randomized trials” degree granted 2015. Employed: Research Associate, University of Ottawa.

Enrico Ripamonti, Postdoctoral fellow: “High dimensional propensity scores and Bayesian methods”. February 2015-December 2016. Employed: University of Milan-Bicocca

Ehsan Karim, Postdoctoral fellow: “Machine learning in drug safety research”. September 2015-November 2016. Employed: Investigator, UBC.

Arijit Sinha, Postdoctoral fellow: “Bayesian methods in pharmacoepidemiology”. September 2015-August 2016. Employed: Pfizer

Chris Gravel, Postdoctoral fellow: “Utilization of Electronic Health Records for Drug Safety Signal Refinement”. September 2015-2017. MITACS ACCELERATE fellowship, in partnership with Risk Sciences International. Employed, Health Canada.

Leila Golparvar, Postdoctoral fellow: “Causal discovery in large administrative datasets”. September 2015-present.

Alex Levis. MSc, biostatistics. “Simulation and causal inference methods for repeated measures or longitudinal data”. 2015-2017/06. PhD student, Harvard.

Xlaoyu Wei, MSc, biostatistics. “Augmented Inverse Probability Weighting in High Dimensional Data”. 2016-2018/06. Entering PhD program, Brown University

Janie Coulombe, PhD, biostatistics. Methods for informative visit patterns. 2016-present (co-supervision with Erica Moodie)

Steve Ferreira Guerra, PhD, biostatistics. Project TBA. 2017-present (co-supervision with Michal Abrahamowicz)

Asad Harris, Postdoctoral Fellow. Project: “Development of computational methods in pharmacoepidemiology”. 09/2018 - 08/2021

Guanbo Wang, PhD, biostatistics. Project TBA. 2018-present (co-supervision with Mireille Schnitzer)

Arman Siddique, PhD, biostatistics. Project TBA. 2020-present (co-supervision with Russell Steele)

### **Epidemiology and Biostatistics - Epidemiology Stream/Epidemiology Program**

Arik Azoulay, M.Sc. "The Use of the Transition Cost Accounting System to Compare Costs of Treatment between Canada and the US: Methodological Issues Based on the Case of Acute Myocardial Infarction", degree granted 2001. Co-supervisor: Mark Eisenberg. Self-employed

R. Barnes, M.Sc. "GnRH analogue treatment of idiopathic central precocious puberty presenting in girls after age five years; a multi-centre follow up to final adult height", degree granted 2002. Employed: MUHC/McGill

Karen Okrainec, M.Sc.: "Medical Therapy Following Coronary Artery Bypass Graft Surgery", degree granted 2004. Co-supervisor: Mark Eisenberg

Vidal Essebag Ph.D. "Amiodarone and the risk of Pacemaker Insertion", degree granted 2004. Co-supervisor: Louise Pilote. Employed: MUHC.

Samantha Hill, M.Sc.: "Near Infra-Red Spectroscopy in a Pediatric Population Undergoing Cardiac Surgery", degree granted 2009.

Jennifer Hutcheon, Ph.D.: "Issues in the use of Small for Gestational Age in perinatal epidemiology", (winner, Prix d'Excellence 2007 from the Fonds de la recherche sur les maladies infantiles); degree granted 2009. Employed: assistant professor, UBC.

Machelle Wilchesky, Postdoctoral fellow "Methodological issues in perinatal epidemiology" Nov 2008-April 2010. Employed Maimonides Centre for Research in Aging

Patricia Fontela, Ph.D. "Surveillance of Catheter-Related Bloodstream Infections in Quebec Intensive Care Units". Co-supervisor: Caroline Quach. FRSQ scholarship. Degree granted 2012. Employed: assistant professor, McGill

Evelyne Vinet, Ph.D. "Reproductive issues in women with systemic lupus erythematosus: should we be afraid of the Big Bad Wolf?" Degree granted 2015. Employed: assistant professor, McGill.

Elise Fortin, PhD "Measuring antimicrobial use to predict resistance of the healthcare-associated microbiota" Co-supervisor: Caroline Quach. Degree granted 2015. Employed: INSPQ

Nasheed Moqueet, PhD candidate. Co-supervisor: Marina Klein. "Investigating Genetic and Pro-fibrogenic Immune Markers of Hepatitis C Outcomes in HIV-HCV Co-infected Individuals" September 2010 - Completed August 2016

Deshayne Fell, PhD candidate "H1N1 infection in pregnancy". September 2011 - Completed June 2016 . Employed faculty, University of Ottawa.

Alexandra Seaward, PhD candidate “Mediation in Perinatal Epidemiology” September 2012 – present

Dinela Rushani, PhD candidate. Co-supervisor: Jay Kaufman September 2013 – present.

Sonia Grandi, PhD. “Prediction of cardiovascular disease in women of reproductive age: the contribution of pregnancy complications” September 2013-September 2019.

Employed: Scientist, SickKids Research Institute

Alvi Rahman, PhD student. 2019-present. Safety of concomitant SSRI and oral anticoagulant use. (co-supervisor: Christel Renoux).

Kyle Johnson, PhD. Student. 2019-present. Project TBA (co-supervisor: Christel Renoux)

Azar Mehrabadi, Postdoctoral fellow “Anti-hypertensive treatment in pregnancy and the risk of acute kidney injury” September 2015-2017. CIHR fellowship. Employed, faculty at Dalhousie University

Tianze Jiao, Postdoctoral fellow. “A personalized dynamic blood pressure control plan for cardiovascular disease prevention among patients with hypertension”. January 2018-present.

Ugochinyere Vivian Ukah, Postdoctoral fellow. Project: “Development and Internal Validation of a Model Predicting Premature Cardiovascular Disease among Women with Hypertensive Disorders of Pregnancy” July 2018 – August 2022

Liseane Leal, Graduate Research Trainee. September 2018 – February 2019

Ya-Hui Yu, Postdoctoral fellow. “A population-based assessment of pharmacological treatments for gestational diabetes.” September 2018 – August 2021

Reem Masarwa, Postdoctoral fellow. December 1, 2018 - present.

Liseane Leal, Postdoctoral fellow. “Prescribing trends and polypharmacy in pregnancy” September 2019 – present

Michael Webster-Clark, Postdoctoral fellow. Project TBA. September 2021 – present

### **Mathematics and Statistics**

Ye Tan, M.Sc.: “Comparison of Methods for Clustered Binary Data with Weak Correlation”, degree granted 2004. Employed: United BioSource.

Michelle Ross, M.Sc. "Semiparametric methods for estimating birth weight in the presence of gestational age errors", degree granted 2007. Employed: assistant professor, University of Pennsylvania

**Other Universities**

Elena Landoni, MSc. "Evaluation of High Dimensional Propensity Scores", University of Milan-Bicocco. degree granted 2012/8. Enrolled in PhD program.

Aurelie Chevance, MSc. "Outlier detection in meta-analysis", ISPED. September 2012. Employed: Biostatistician, institute Gustave Roussy, Paris.

**Thesis Committee Member (completed degrees):**

I have been a member of more than 25 student thesis committees since 1996.

## Invited Presentations

### International

Platt, RW. "Generalized linear models for meta-analysis" Temple University Department of Statistics, May 1, 1998.

Platt, RW. "Methods for Creation of Fetal Growth Standards Using Population Based Data", National Centre for Health Statistics workshop on use of gestational age data for analytic research, Hyattsville, MD, March 30, 2000.

Platt, RW. "How should gestational age be used in analysis of perinatal outcomes?", Division of Epidemiology, Statistics and Prevention Research, NICHD, Rockville, MD, May 3, 2005

Platt, RW. "Dependencies in Reproductive and Perinatal Research", Society for Pediatric and Perinatal Epidemiologic Research 2006 meeting, Advanced Methods Workshop, Seattle, WA, June 20, 2006.

Platt, RW. "Estimating the Causal Effect of Breastfeeding on Infant Weight Gain", Division of Epidemiology, Statistics and Prevention Research, NICHD, Rockville, MD, January 24, 2008

Platt, RW. "Meta-analysis of Multivariate Outcomes" SAMSI workshop on Meta-Analysis, Research Triangle Park, NC, June 11, 2008

Platt, RW. "Estimating the Causal Effect of Breastfeeding on Infant Weight Gain" International Biometric Conference, Dublin Ireland, July 16, 2008

Platt, RW. "Meta-analysis of Multivariate Outcomes" Eastern North American Region of the International Biometric Society, San Antonio, NM, March 11, 2009 (declined invitation due to illness)

Platt, RW. "Clustered measurement in cluster-randomized trials" Boston Children's Hospital Clinical Research Program Biostatistics Group, June 11, 2009

Platt, RW. "Time Modified Confounding" University of Washington Department of Biostatistics, October 6, 2009.

Platt, RW. "Hidden data in Perinatal Epidemiology" University of Pittsburgh, MCH Epidemiology, Nov 8, 2009.

Platt, RW. "Customized Fetal Growth Measures" University of Pittsburgh, Dept. of Ob/Gyn., Nov. 9, 2009

Platt, RW. "Selection bias in perinatal epidemiology" Society for Epidemiologic Research 2010 meeting, June 2010.

Platt, RW. "An information criterion for marginal structural models". Eastern North American Region of the International Biometric Society, Miami, FL, March 21, 2011

Platt, RW. Panelist on the future of reproductive and perinatal epidemiology, Society for Paediatric and Perinatal Epidemiologic Research Annual Meeting 2012, Minneapolis, MN

Platt, RW. "Methods challenges in drug safety research" International Society for Pharmacoepidemiology 2012 meeting, Barcelona, Spain

Platt, RW. "Statistical models for fetal growth" Eastern North American Region of the International Biometric Society, Orlando, FL, March 22, 2013

Platt, RW. "Statistical models for fetal growth" Society for Epidemiologic Research Annual Meeting, Boston, MA, June 19, 2013

Platt, RW. "Preventing the birth weight paradox: choosing the right denominator" International Epidemiological Association World Congress of Epidemiology, Anchorage, Alaska, August 19, 2014.

Platt, RW. "The Canadian Network for Observational Drug Effect Studies (CNODES)". PCORI Workshop on Distributed Analysis in Healthcare Data Networks. Washington, DC. December 4, 2014

Platt RW. "Missing data in Longitudinal Studies: to Impute or Not to Impute", 7th annual INRICH conference, Montreal, QC, June 26, 2015

Platt RW. "Targeted Maximum Likelihood in Pharmacoepidemiology", University of Pennsylvania Center for Pharmacoepidemiology Research and Training, Philadelphia, PA, October 8, 2015

Platt RW. "Panel, Causal Inference Methods and Large Administrative Databases" Atlantic Causal Inference Conference, New York City, May 27, 2016.

Platt RW. "Pooling to Estimate Treatment Effects in Distributed Networks While Respecting Privacy Concerns: Experience from the Canadian Network for Observational Drug Effect Studies". International Biometric Conference, Victoria, BC, July 11-15, 2016.

Platt RW. "Panel, Causal Inference Methods in Pharmacoepidemiology". International Conference on Pharmacoepidemiology, Dublin, August 25-28, 2016.

Platt RW. "Some issues in analysis of large administrative datasets". International Chinese Statistical Association Conference, Shanghai, China, December 19-22, 2016

Platt, RW. "Norman Breslow: In memoriam", Society for Epidemiologic Research Annual Meeting, Seattle, WA, June 14-17, 2017

Platt, RW. "Can we use machine learning for confounding control? Should we?" International Chinese Statistics Association Applied Statistics Symposium, Chicago, IL, June 25-28, 2017

Platt, RW. "Can we use machine learning for confounding control? Should we?" Joint Statistical Meetings, Baltimore, MD, July 28-Aug 3, 2017

Platt, RW. "Using Networks to Ensure Reproducible and Replicable Research". Plenary Session, International Conference on Pharmacoepidemiology, Montreal, QC, August 26-30, 2017

Platt, RW. "CNODES CDM Pilot: the challenge of transforming data"., European Medicines Agency forum "A Common Data Model for Europe? Why? Which? How?" London, UK (also member of Program Committee) December 12, 2017

Platt, RW. "CNODES Experience with the Sentinel Common Data Model". Tenth Annual Sentinel Public Workshop, Bethesda, MD. February 7, 2018.

Platt, R.W. "Marginal Structural Models: Nuts, Bolts and Why you Should Care". International Society for Pharmacoepidemiology Mid-year meeting, April 23, 2018, Toronto.

Platt, RW. "Can we use machine learning for confounding control? Should we?" University of Minnesota department of Epidemiology Seminar Series, Minneapolis, MN. April 26, 2018.

Platt RW. "Panel Discussion: Advanced Causal Inference Methods - Taking Stock". SPER, Baltimore, USA. June 18-21, 2018.

Platt RW, Maro JC, Wang SV, Huang TY, Kurz X. "Symposium: Adventures in Replication: Initial Experiences related to the Joint ISPE/ISPOR Guidance". 34<sup>th</sup> International Conference on Pharmacoepidemiology & Therapeutic Risk Management. International Society for Pharmacoepidemiology, Prague, Czech Republic. August 21-27, 2018.

Levy A, Platt RW, Setoguchi S, Brown J, Paterson M. "International Comparison of Approaches to Common Data Models for Comparative Effectiveness Research". 2018 International Population Data Linkage Network Conference. Banff, AB. September 11, 2018.

Platt RW. "Is machine learning the future of Pharmacoepidemiology?". 11th Asian Conference on Pharmacoepidemiology, Xi'An, China. October 26-30, 2018.

Platt RW. "When it is appropriate to aggregate the results from multiple databases? Experience in the Canadian Network for Observational Drug Effect Studies (CNODES)". 11th Asian Conference on Pharmacoepidemiology, Xi'An, China. October 26-30, 2018.

Platt RW. "Workshop: Immortal time bias". 11th Asian Conference on Pharmacoepidemiology, Xi'An, China. October 26-30, 2018.

Platt RW. "Guest lecture: Methodological challenges in perinatal pharmacoepidemiology". University of Oslo, Department of Pharmacy. Oslo, Norway. September 12, 2019.

Lee Q, Lau C, Platt RW, Yip V. "Use of Real World Evidence and Data in the Regulatory Space from Industry Perspective and Health Canada Plain Language Labeling Regulations Update (Hosted by CAPRA)". 2019 RAPS Convergence event. Philadelphia, USA. September 24, 2019

Platt RW, Fillion KB, Kim SC, Pratt N, Park RW. "Modern teaching of pharmacoepidemiology in a 'big data' world". 12<sup>th</sup> Asian Conference on Pharmacoepidemiology. October 13, 2019. Kyoto, Japan (Symposium).

Platt RW et al "Panel on the Future of Epidemiologic Methods" – University of North Carolina Invited Seminar, April 23, 2020

Platt RW "Accounting for Visit Patterns in Longitudinal Data", Joint Statistical Meetings (Virtual), August 9, 2020

Platt RW, "When do Machine Learning Tools Provide Advantages over Conventional Methods", International Conference on Pharmacoepidemiology All Access Virtual Meeting, October 7, 2020.

### **National**

Platt, R.W. "Generalized linear mixed models for meta-analysis" University of Toronto Department of Statistics, September 24, 1998.

Platt, R.W. "Generalized linear mixed models for meta-regression" Thomas C. Chalmers Centre for Systematic Reviews, Children's Hospital of Eastern Ontario, November 2, 1998.

Platt, R.W. "Importance sampling for creation of a fetal growth standard" Department of Community Medicine, University of Calgary, February 19, 1999.



Platt, R.W. "Generalized Linear Mixed Models for Meta-analysis". Concordia-UQAM Statistics seminar series, Nov. 17, 2000.

Platt, R.W., "Generalized Linear Mixed Models for Meta-analysis". Carleton University Department of Statistics, February 27, 2001.

Platt, R.W. "Analysis of Fetal and Infant Mortality", Clinical Epidemiology Program, Ottawa Health Research Institute, Jan. 23, 2003.

Platt, R.W. "Analytic approaches for fetal and infant mortality", Clinical Epidemiology Program, Ottawa Health Research Institute, January 24, 2003.

Platt, R.W. "Causal Inference in the Presence of Partial Compliance", Statistical Society of Canada 2004 meetings, May 31, 2004, Montreal, QC.

Platt, R.W. "Estimating the Causal Effect of Breastfeeding on Infant Growth", University of Manitoba Department of Statistics, October 23, 2006

Platt, R.W. "Variable Selection and Marginal Structural Models" Statistical Society of Canada 2007 meetings, June 13, 2007, St. Johns.

Invited panel member, round table: "Issues in Statistics Collaboration" Statistical Society of Canada 2008 meetings, May 28, 2008, Ottawa.

Platt, R.W. "Time Modified Confounding" Statistical Society of Canada 2009 meetings, Vancouver, BC, June 3, 2009.

Invited panel member: "Careers in Biostatistics" Statistical Society of Canada 2009 meetings, Vancouver, BC, June 2, 2009

Platt, R.W. "Clustered measurement in cluster-randomized trials" CANNecTIN Biostatistics videoconference seminar series, June 12, 2009

Platt, R.W. "Time Modified Confounding" University of Montreal Cancer Epidemiology Oct 21, 2009.

Platt, R.W. "Issues in fitting marginal structural models" PRODIGY study research day, University of Montreal, January 20, 2010

Platt, R.W. "Challenges in the study of fetal growth" Memorial University, December 1, 2011

Platt, R.W. Invited Discussant on Allan Donner's talk, Statistical Society of Canada 2012 meeting.

Platt, R.W. "Methodological Challenges in Drug Safety Research: the Canadian Network for Observational Drug Effect." McGill Biostatistics Seminar Series. November 6, 2012.

Platt, R.W. "Causal Inference Methods: Marginal Structural Models and Inverse Probability Weighting." CNODES Workshop, Halifax, NS. October 22, 2012.

Platt, R.W. "Issues in Fitting Marginal Structural Models." Center for Clinical Epidemiology, Seminar series. January 29, 2013

Platt, R.W. "Causal Inference Methods: Marginal Structural Models and Inverse Probability Weighting." CNODES Workshop, Montreal, QC. June 27, 2013.

Platt, R.W. "Choosing the right target parameter: intent-to-treat, noncompliance, and compliance-adjusted effects" CIHR Innovative Clinical Trials Workshop, Ottawa, ON, January 30, 2014

Platt R.W. "Marginal Structural Models: an overview and some challenges" BC Centre for Disease Control: Grand Rounds. Vancouver, BC. April 28, 2014.

Platt R.W. (Henry D, Ernst P, Lix L, Chateau D, Dormuth C ) "Observational studies of drug safety in distributed data networks: Experience from the Canadian Network for Observational Drug Effect Studies" 2014 IHDL Conference. Vancouver, BC April 29, 2014.

Platt R.W. "Targeted Inference". Invited sub-Plenary lecture, Canadian Society for Epidemiology and Biostatistics, Toronto, Ontario June 2, 2015.

Platt R.W. "Methodological Challenges in Administrative-Data Pharmacoepidemiology" University of Montreal Department of Pharmacy, Montreal, QC September 25, 2015.

Platt R.W. "Targeted Learning in Large Administrative Databases" CANSSI Workshop on Administrative Data, Simon Fraser University, BC April 4-6, 2016.

Platt R.W. Panel, "CIHR Funding for Research In Statistics" Statistical Society of Canada Conference, St. Catharines, ON, May 30-June 3, 2016.

Platt R.W. "Randomized Trials in Pregnancy – Statistical (Design) Challenges" Statistical Society of Canada Conference, St. Catharines, ON, May 30-June 3, 2016.

Platt R.W. "Can we use machine learning to control for confounding? Do we need to?" Lady Davis Research Institute, Centre of Clinical Epidemiology Seminar series. February 7, 2017.

Platt, R.W. "Observational Analyses of Cluster-Randomized Trials", Statistical Society of Canada Annual Meeting, Winnipeg, MB, June 10-14, 2017

Platt, RW. "Workshop: Propensity scores in epidemiology" Canadian National Perinatal Research Meeting, Banff, AB. February 12-14, 2018.

Platt RW. "Adjustment for confounding and the propensity score (Part 2)". Health Canada Professional Development Series. Ottawa, ON. May 7, 2018

Platt RW, Wells GA. "Canadian Network for Observational Drug Effect Studies: using real-world evidence to inform regulatory decisions". Canadian Society for Pharmaceutical Sciences. Toronto, ON. May 23, 2018

Platt RW. "Panel: careers in statistics". Statistical Society of Canada Conference, Montreal, QC. June 1-6, 2018.

Platt RW. "Advancing the RWE Methodological Toolbox". 2018 CAPT Annual Conference. Toronto, Ontario. October 23, 2018

Platt RW. "Canadian Network for Observational Drug Effect Studies (CNODES): Data Quality Assurance Practices". The Use of Real World Data/Evidence and Regulatory Decision Making: A Joint CSPA and Health Canada Workshop. Ottawa, Ontario. December 3, 2019

## **McGill**

Platt, R.W. "A new approach to the analysis of fetal and infant mortality" Division of Clinical Epidemiology, Royal Victoria Hospital, Montreal, October 2, 1997.

Platt, R.W. "A new approach to the analysis of fetal and infant mortality: The effect of maternal smoking" Montreal Children's Hospital Research Institute, October 19, 1998.

Platt, R.W. "Importance sampling for creation of a fetal growth standard" Centre for Clinical Epidemiology and Community Studies, Jewish General Hospital of Montreal, March 3, 1999.

Platt, R.W. and Barnes, R.B. "Uses, Misuses and Abuses of Statistics" Pediatric Medical Grand Rounds, Montreal Children's Hospital, March 17, 1999.

Platt, R.W. "Methods for Creation of Fetal Growth Standards Using Population Based Data", Department of Epidemiology and Biostatistics, McGill University, October 14, 1999.

Platt, R.W. "Uses and Misuses of Statistics in Medical Research" Obstetrics and Gynecology Grand Rounds, McGill University Health Centre, January 10, 2000.

Platt, R.W. "Meta-analysis: an Introduction", Rehabilitation Research Seminar Series, Montreal Children's Hospital, April 4, 2000.

Platt, R.W. "Methods for Creation of Fetal Growth Standards Using Population Based Data", Division of Clinical Epidemiology, Montreal General Hospital, April 18, 2000.

Platt, R.W., "Generalized Linear Mixed Models for Meta-analysis". McGill Department of Mathematics and Statistics, Statistics seminar series, January 18, 2001.

Platt, R.W. "Methodological Issues in Perinatal Research", Royal Victoria Hospital Division of Clinical Epidemiology, November 6, 2001.

Platt, R.W. "Statistical Issues in Perinatal Research", Montreal General Hospital Division of Clinical Epidemiology, November 6, 2001.

Platt, R.W. "Meta-Analysis: Can we/Should we Adjust for Publication Bias and Quality?", McGill University Department of Epidemiology and Biostatistics, January 10, 2002.

Platt, R.W. "Uses and Misuses of Statistics in Medical Research" Division of Surgery Grand Rounds, McGill University Health Centre, March 7, 2002.

Platt, R.W. "Publication bias: What is it and should you care?", Centre for Clinical Epidemiology and Community Studies, Jewish General Hospital of Montreal, Nov. 6, 2002

Platt, R.W. "Analytic approaches for fetal and infant mortality", Division of Clinical Epidemiology, Montreal General Hospital, April 18, 2003.

Platt, R.W. "How to meet a statistician", McGill Department of Obstetrics and Gynecology Research Day, May 9, 2003.

Platt, R.W. "Causal inference in randomized clinical trials: a review", Royal Victoria Hospital Division of Clinical Epidemiology, December 4, 2003.

Platt, R.W. "What if I didn't attend this seminar? Counterfactuals and causes", McGill Department of Epidemiology and Biostatistics, February 2, 2004.

Platt, R.W. "The problem(s) with perinatal epidemiology", Jewish General Hospital Centre for Community Studies, May 23, 2007

Platt, R.W. "Estimating the Causal Effect of Breastfeeding on Infant Growth", McGill University Department of Pediatrics, April 30, 2007

Platt, R.W. "Estimating the Causal Effect of Breastfeeding on Infant Growth", McGill University Department of Epidemiology, Biostatistics and Occupational Health, September 11, 2007

Platt, R.W. "Estimating the Causal Effect of Breastfeeding on Infant Growth", McGill University Department of Pediatrics, April 30, 2007

Platt, R.W. "Time Modified Confounding", McGill University Department of Epidemiology, Biostatistics and Occupational Health, September 28, 2009

Platt, R.W. "Methodological Challenges in Drug Safety Research: the Canadian Network for Observational Drug Effect Studies" McGill Biostatistics seminar series, November 6, 2012.

Platt, R.W. "Risk Prediction Modeling: Statistical Methods and an Example from Chronic Kidney Disease" McGill department of Epidemiology, Biostatistics and Occupational Health summer seminar series, May 30, 2011.

Platt, R.W. "Methodological Challenges in Administrative-Data Pharmacoepidemiology" McGill Division of Clinical Epidemiology, September 17, 2015

Platt, R.W. "Statistical Challenges in Administrative-Data Pharmacoepidemiology" McGill Biostatistics seminar series, November 14, 2015.

Platt RW. "Meta-analysis of observational studies: What do modern methods offer?" McGill University Health Centre Symposium: Health Technology Assessment in Practice. July 8, 2019.

Platt, RW. "(Almost) 10 Years of the Canadian Network for Observational Drug Effect Studies." McGill Epidemiology Seminar Fall 2019 Series. September 30, 2019.

## **Clinical Teaching**

Undergraduate Medical Teaching: Small Group Sessions

1996-1998, Epidemiology and Biostatistics (Charles Larson, course teacher)

Residents and Fellows

1996-1999, Pediatrics, lectures as part of teaching program(2-3 per year)

Teaching-oriented Grand Rounds in Pediatrics, Obstetrics and Gynecology, Surgery (see "invited presentations")

## **Other Teaching**

### ***National***

CNODES-Health Canada Pharmacoepidemiology Training Program

Lectures on confounding control and propensity scores, spring 2018

### ***International***

Chelyabinsk-McGill Project in Population Health: Introduction to Biostatistics

30 course hours, January 2000, Chelyabinsk, Russia

Course evaluations (qualitative) available

Faculty Member: CIHR-NICHD Summer Institute in Reproductive and Perinatal Epidemiology, July 2005, Cape Cod, MA:

Faculty Member: CIHR-NICHD Summer Institute in Reproductive and Perinatal Epidemiology, July 2006, Cambridge, MD.

Faculty Member: CIHR-NICHD Summer Institute in Reproductive and Perinatal Epidemiology, July 2007, Bromont, QC.

Faculty Member: CIHR-NICHD Summer Institute in Reproductive and Perinatal Epidemiology, July 2008, Burlington, VT.

Faculty Member: CIHR-NICHD Summer Institute in Reproductive and Perinatal Epidemiology, July 2009, Val-David, QC.

Faculty Member: CIHR-NICHD Summer Institute in Reproductive and Perinatal Epidemiology, July 2010, St. Michaels, MD.

Faculty Member: CIHR-NICHD Summer Institute in Reproductive and Perinatal Epidemiology, July 2011, Philadelphia, PA.

Faculty Member: CIHR-NICHD Summer Institute in Reproductive and Perinatal Epidemiology, July 2012, Philadelphia, PA.

## **F. OTHER CONTRIBUTIONS TO THE SCHOLARLY COMMUNITY**

In 2018-19, I was President of the Statistical Society of Canada. Statistical Society of Canada. The Statistical Society of Canada is the primary academic organization for statisticians in Canada, and the Biostatistics section is the largest section within the SSC. I have served twice as President of the Biostatistics section of the SSC.

I served (2012-13) as President of the Society for Pediatric and Perinatal Epidemiologic Research, and continue to represent the society on the Executive Committee for the 2016 Congress of Epidemiology of the Americas. SPER is an international society and the primary academic organization for pediatric and perinatal epidemiologists worldwide. The

I was graduate program director in the department of Epidemiology, Biostatistics, and Occupational Health (2015-2018), responsible for direction and oversight of all graduate programs in the department. I was biostatistics program director from 2006 to 2011, and was the leader of the major program revision that took place in 2006. We overhauled the program in total, bringing the content in line with that in top American biostatistics program.

At the Montreal Children's Hospital and McGill University Health Centre, I played a leading role in developing statistical consulting services. From 1996 to 2013 I led and developed the Biostatistics Consulting Service, and led the amalgamation of biostatistics services under the Centre for Innovative Medicine and the Centre for Outcomes Research and Epidemiology at the Research Institute of the MUHC-RI. I have also played a leadership role in Information Systems at the MUHC Research Institute. I currently chair a committee with the mandate to develop a research IS program that meets the needs of investigators while satisfying government confidentiality and security rules for hospitals.

Finally, I am active in journals and in reviewing for granting agencies. I am involved in three journals, including as Editor-in-Chief of Statistics in Medicine and Editor of the American Journal of Epidemiology, and have participated in national grant panels continuously since 2001 (CIHR, NCIC) and FRSQ panels since 2006; I recently chaired a CIHR Project Scheme panel for two years. I have received three invitations to participate in NIH study sections, two of which I declined due to time conflicts. I have been external reviewer on several tenure and promotion dossiers and Ph.D. theses (>6 in 2019).



## **Reviews**

### **Editorial Boards:**

Statistics in Medicine: Associate Editor, 2013-2019; Editor-in-Chief, 2019-present  
American Journal of Epidemiology: Associate Editor, 2014-2018; Editor 2018-present

Child Development: Consulting Editor (Statistics), 2000 to 2007  
Journal of Epidemiology and Community Health: Associate Editor, 2008-2016  
International Journal of Biostatistics: Associate Editor, 2011-present  
Pharmacoepidemiology and Drug Safety, Editorial Board, 2016-present

### **Ad hoc reviews (select journals):**

American Journal of Epidemiology  
Biostatistics  
Cancer  
Circulation  
Drug Safety  
Epidemiology  
European Journal of Epidemiology  
Human Reproduction  
Injury Prevention  
International Journal of Biostatistics  
Journal of the American Medical Association  
Journal of the American Statistical Association  
Journal of Causal Inference  
Journal of Clinical Epidemiology  
Journal of Computational and Graphical Statistics  
New England Journal of Medicine  
Pediatric and Perinatal Epidemiology  
Pharmacoepidemiology and Drug Safety  
Statistics in Medicine

Certificate of Reviewing Excellence, Pharmacoepidemiology and Drug Safety, 2013, 2014, 2015, 2016

Certificate of Reviewing Excellence, Elsevier and the Editors of Annals of Epidemiology Journals, 2013

### **Other review activities, last 3 years:**

External Reviewer, 3 PhD theses (University of Ottawa, Dalhousie)

External reviewer of Tenure/Promotion/Full Professor Dossiers (selected):

University of British Columbia

Simon Fraser University

University of Alberta

University of Waterloo

University of Ottawa

Harvard University

Emory University

University of Florida

Group Health Research Institute, Seattle

University of North Carolina

National Institute for Child Health and Human Development (NIH)

### **Grant Reviews**

#### ***Panel Member/Chair:***

US National Institutes of Health, NICHD. Special Study Section, July 2003 (2 meeting days)

Population, Public and Community Health committee, Canadian Institutes of Health Research 2001-2005 (5 meeting days/ year)

Clinical Trials committee, National Cancer Institute of Canada  
2005-2009 (2 meeting days/year)

Chercheur-boursier committee, FRSQ, 2006-2011 (2 meeting days/year)

Chercheur-national committee, FRSQ, 2012-13 (1 meeting day/yr)

Randomized Clinical Trials committee, Canadian Institutes of Health Research, 2011-2012  
(4 meeting days/year)

Chercheur-national committee, FRSQ, 2013-14 (1 meeting day/yr)

Randomized Clinical Trials committee, CIHR - Scientific Officer, June 2013-June 2015 (4  
meeting days/year)

Foundation Grants – CIHR – Stage 1 reviewer, September 2014-present.

Chercheur-boursier committee, FRSQ, 2015-2017 (2 meeting days/year)

Project Scheme – CIHR: Competition Chair, 2016-2018.

***Ad Hoc Reviews. Last 3 years:***

External Reviewer, Natural Sciences and Engineering Research Council  
1999-present (1-2 reviews/yr, 5 hours)

External Reviewer, Medical Research Council of Canada  
1999-2000 (1-2 reviews/yr, 5 hours)

External Reviewer, National Health Research and Development Program  
1999-2000 (one review, 3 hours)

External Reviewer, Canadian Institutes of Health Research,  
2000-present (2 reviews/yr, 5 hours)

External reviewer, MITACS Accelerate program and Elevate program  
2012-present (1 review/yr, 2 hours)

**ADMINISTRATIVE RESPONSIBILITIES**

***McGill***

Biostatistics Program Director  
Department of Epidemiology, Biostatistics, and Occupational Health  
Sept 2001 to September 2005. (2 hours/week)  
September 2006-June 2011 (4 hours/week)

Departmental Tenure Committee  
Department of Epidemiology, Biostatistics, and Occupational Health  
September 2009-June 2012 (10 hours/year)  
September 2014-present (10 hours/yr)

Director of Graduate Programs  
Department of Epidemiology, Biostatistics, and Occupational Health  
September 2015-September 2018 (8 hours/week)

***Hospital***

Director of the Biostatistics Consulting Service  
Montreal Children's Hospital Research Institute,  
1996 to 2013 (3 hours/week)

Associate Director, Information Systems  
McGill University Health Centre Research Institute,  
2000-2007

Chair, Research Information Systems Steering Committee  
McGill University Health Centre Research Institute,  
2008 to present. (5 hours/week)

Associate Director (Biostatistics and Data Management), Centre for Innovative Medicine  
McGill University Health Centre  
2012-2015 (3 hours/week)

### **Committees**

Member  
Biostatistics Committee  
McGill University Department of Epidemiology and Biostatistics  
September 1998 to September 1999 (2 hours/month)

Member  
Equipment Allocation Committee  
McGill - Montreal Children's Hospital Research Institute  
December 1997 to April 2001 (1 day/year)

Member (representing Pediatrics)  
McGill University Faculty of Graduate Studies and Research Faculty Council  
October 1999 to June 2002 (2 hours/month)

Member  
Computing Committee  
McGill University Department of Epidemiology and Biostatistics  
September 1999 to August 2003

Member,  
Admissions Committee,  
McGill University Department of Epidemiology and Biostatistics  
February 1999 to Sept 2001 and Sept 2002 –August 2003 (20 hours/year)

Member  
Clinical Projects Committee  
McGill - Montreal Children's Hospital Research Institute  
December 1998 to June 2004 (10 hours, twice yearly)

Member  
Comprehensive Exam Committee  
McGill University Department of Epidemiology and Biostatistics  
Sept 2000 to August 2004. (~20 hours work, twice yearly)

Member (representing Hospital Research Institutes)  
McGill University Senate Committee on Information Systems and Technology Standing  
Committee for Research  
2001 to 2005 (3 hours/quarter)

Chair  
McGill University Health Centre Research Institute Ad Hoc Research Information Systems  
Committee  
2000-2007

Member (Research Institute representative)  
McGill University Health Centre Information Systems Steering Committee  
2002 to 2010 (2 hours/month)

Member  
Studentships Committee  
McGill - Montreal Children's Hospital Research Institute  
July 2004-June 2010 (10 hours, once yearly)

Member (Research Institute representative)  
McGill University Health Centre Security and Confidentiality Committee  
2000 to 2012 (2 hours/month)

### **Professional and/or Learned Societies**

Member, American Statistical Association, 1996-present  
Member, Statistical Society of Canada, 1997-present  
Member, Society for Pediatric and Perinatal Epidemiologic Research, 2000-present  
Member, Society for Epidemiologic Research, 2007-present

Statistical Society of Canada, Biostatistics section  
President-elect, 2006-07  
President, 2007-08  
Past-president, 2008-09  
President, 2009-10  
Liaison to external societies, 2011-2013

Society for Pediatric and Perinatal Epidemiologic Research  
President-elect 2011-12  
President 2012-13  
Past-president 2013-2014  
Representative to the Joint Policy Committee of the Societies of Epidemiology, 2012-2014

Representative to the 1<sup>st</sup> Epidemiology Congress of the Americas Executive Committee

Statistical Society of Canada

President-elect, 2017-18

President, 2018-19

Past-president, 2019-20

### **Other Professional and Scientific Contributions**

Member, Education Committee, Society for Epidemiologic Research

Fetal and Infant Mortality Study Group of the Canadian Perinatal Surveillance Service, Health Canada, Member, 1999 to 2011 (2 1-day meetings/yr)

Local Organizing Committee, International Biometric Conference 2006, Montreal, Canada.

Data and Safety Monitoring Committees: I have been on more than 10 data and safety monitoring committees for randomized trials, including two as chair.

### **Other Contributions**

McGill Child Care Centre/Centre de la Petite Enfance McGill

Board of Directors

Member Jan 2003-Sept 2005

President/Chair Sept 2003 – Sept 2005

## G. RESEARCH

### Research Activities

My research has developed since arrival at McGill, from my theoretical work during my Ph.D., into statistical methods for meta-analysis and causal inference, collaborative and methodologic work in perinatal and reproductive epidemiology, and most recently collaborative and methodologic work in pharmacoepidemiology. I have held peer-reviewed career scholar support continuously since 1998 for my research work, from MRC/CIHR, McGill, and FRSQ, and an endowed chair.

### Past

Saddlepoint approximations in categorical data: My Ph.D thesis work assessed these approximations to exact conditional statistical distributions. This resulted in two publications in statistical journals.

Meta-analysis: I have had an active research program in meta-analysis, focused on both practical and statistical methods. This research initiated as a research assistantship during my PhD. program, which resulted in two published papers in top statistics journals. As part of a collaborative group led by David Moher, I have been involved in several research projects including two CIHR-funded grants. Finally, my work on multivariate meta-analysis with PhD student Khajak Ishak resulted in two published papers and two invited presentations (SAMS workshop on meta-analysis, June 2008, and the Eastern North American Region of the International Biometric Society meeting, one of the largest annual meetings in biostatistics).

### Present

Pharmacoepidemiology: Since 2011 I have been the leader of the Methods team for the Canadian Network for Observational Drug Effect Studies (CNODES). CNODES' mandate is to provide high-quality evidence in response to drug safety queries generated by Canadian public health stakeholders. As methods team lead, my role is to ensure high-quality methods, and to supervise a methods research program. My program of research in pharmacoepidemiologic methods centres around efficient methods for confounding control in high-dimensional administrative data. This work has also been funded by my CIHR operating grant (2012-15) and Foundation grant.

Causal inference: Inferring causation from observational data is a critical issue in epidemiology. Methods for causal inference using potential outcomes is a very active area of research among top biostatistics and epidemiology research groups in the US and Western Europe. Since my sabbatical year in 2005-06, I have been active in causal inference from the epidemiologic and statistical methods perspective. My work addresses both generic methodological issues and issues specific to perinatal

epidemiology. This has led to several papers including significant methodologic work on development of statistical methods for causal inference with Erica Moodie at McGill, and on epidemiologic issues in implementation of causal methods with collaborators across North America (M. Hernan, E.Schisterman, S. Cole). I have been invited to give several presentations on this material, including at international meetings (invited presentation at the 2008 International Biometric Society bi-annual meeting – one of the two most prestigious international meetings of biostatisticians).

Perinatal research: Since my arrival at McGill in 1996, I have had active collaborations with Michael Kramer and others in the area of perinatal research, and have developed a program of research in statistical and epidemiologic methods specific to perinatal epidemiology. Our research group, led by Michael Kramer and myself, is recognized as a leader both in substantive and methodologic research in the field. I have published several methodologic papers as first or senior author, and several more as collaborator in this field. In particular, my work developing methods for detecting and correcting errors in gestational age was used in the current Canadian fetal growth reference, and by French and US researchers in development of growth references. My work proposing a hazard-based survival model for fetal and infant mortality has been recognized as a significant methodological advance. I have been, since 2001, an integral collaborator and lead statistician on the large, international PROBIT study of breastfeeding promotion led by Michael Kramer. Finally, my current research in statistics for perinatal research centers on causal inference for randomized trials and observational data and on merging my two current areas of research. My work in the area has been funded by two CIHR grants as principal investigator and is part of the focus of my CIHR Foundation Grant.

Collaborative research: I have an extensive collaborative record, including publications in top medical journals including New England Journal of Medicine, JAMA, and BMJ, many in perinatal epidemiology and pharmacoepidemiology.



### **Personal Support Awards**

Platt, R.W. “Développement de méthodes statistiques spécifiques à des problèmes de recherche en pédiatrie” Chercheur-boursier award, Fonds de Recherche en Santé du Québec (declined).

Platt, R.W. “Statistical and epidemiologic methods for pediatric research” Medical Research Council of Canada Scholarship, 1999-2004.

Platt, R.W. “Statistical and epidemiologic methods for pediatric research” Fraser Monat McPherson award, McGill University, 2004-2007.

Platt, R.W. “Statistical and epidemiologic methods for pediatric research” Chercheur-boursier award, Fonds de Recherche en Santé du Québec. 2005-2008.

Platt, R.W. “Statistical and epidemiologic methods for pediatric research” Chercheur-boursier senior award, Fonds de Recherche en Santé du Québec. 2008-2012.

Platt, R.W. “Statistical and epidemiologic methods for pediatric research” Chercheur-national, Fonds de Recherche en Santé du Québec. 2012-2016.

### **Research Grants**

For collaborative grants, percent of financial resources and role on the project indicated

#### ***Applied for:***

Canadian Institutes of Health Research (CIHR) – Project Grant

PI: Kristian Filion

Co-investigator: Christel Renoux; Claire Lefebvre; Melanie Henderson; Reem Masarwa; Robert Platt

“The safety of antipsychotic drugs among children and youth with attention deficit and hyperactivity disorder”

\$230,000 2021/10 - 2023/9

Canadian Institutes of Health Research (CIHR) – Operating Grant: Early Career Investigator Grants in Maternal, Reproductive, Child & Youth Health

PI: Mehrabadi A

Co-investigators: Platt RW, Allen V, Hanley GE, Leal LF, Woolcott C.

“Emerging trends and determinants of prescription medication use in pregnancy and postpartum.”

\$210,000 04/2021 – 03/2024

#### ***Currently held:***

Canadian Immunity Task Force

NPI: Platt RW

Co-investigators: Suissa S, Paterson M, Renoux C.

“Methods for COVID-19 vaccine surveillance”

\$252,802, 04/2021-03/2022

Canadian Institutes of Health Research (CIHR) – Project Grant

NPI: Dayan N

Co-investigators: Platt RW, Auger N, El-Chaar D, Fortier I, Linsonkova S, Malhame I, Ray J, Ukah V.

“Beyond survival: examining health of mothers after severe maternal morbidity in Canada (the BEYOND project)”

\$351,901 04/2021 – 03/2024

Canadian Institutes of Health Research (CIHR) – Project Grant

PI: Filion K

Co-investigators: Platt RW, Brunetti V, Yu OHY

“Comparative Effectiveness and Safety of Long-acting Insulins and Neutral Protamine Hagedorn (NPH) Insulin among Patients with Type 2 Diabetes”

\$137,700 04/2021 – 03/2023

Canadian Institutes of Health Research (CIHR) – Project Grant

PI: Mehrabadi A

Co-investigators: Platt RW, Filion KB, MacFarlane A; Chateau D, Arel A

“The utilization, safety, and effectiveness of periconceptional high-dose folic acid supplementation.”

\$233,324 10/2020 – 09/2023

Canadian Institutes of Health Research (CIHR) – Project Grant

PI: Filion KB.

Co-investigators: Platt RW, Yu OHY.

“A population-based assessment of pharmacological treatments for gestational diabetes”

\$191,251 10/2020 – 09/2022

Canadian Institutes of Health Research (CIHR) - Operating Grant: COVID-19 May 2020  
Rapid Research Funding Opportunity

PI: Ducharme F, Tremblay C

Co-investigators: Quach-Tranh C, Platt RW, Coviello D, Golchi S, Longo C, Ste-Marie LG, White JH.

“Prevention of COVID-19 with Oral Vitamin D supplemental Therapy in Essential healthCare Teams (PROTECT)”

\$ 4,224,996/1 year 06/2020 – 05/2021

McGill Interdisciplinary Initiative in Infection and Immunity (MI4)

PI: Filion KB.

Co-investigators: Platt RW, Douros A.

“Anticoagulant treatment and risk of adverse outcomes among hospitalized COVID-19 patients”

\$91,000/1 year 05/2020 – 11/2020

Canadian Institutes of Health Research (CIHR) - Project Scheme

PI: Azoulay, L

Co-investigator(s): Patorno E, Abrahami D, Hicks B, Platt RW, Yu, O

“The use of SGLT-2 inhibitors and the risk of bladder cancer in patients with type 2 diabetes: an international real-world study”

\$286,875/2 years 04/2020 – 09/2022

Canadian Institutes of Health Research (CIHR) - Project Scheme

PI: Yu, O

Co-investigator(s): Platt RW, Renoux C, Filion KB

“Determining the association between thyroid hormone replacement therapy and cardiovascular risk and mortality among individuals with subclinical hypothyroidism.”

\$122,400/2years 04/2020 – 03/2022

Canadian Institutes of Health Research (CIHR) - Project Scheme

PI: Filion, KB

Co-investigator(s): Douros A, Jiao T, Platt RW

“A personalized dynamic blood pressure control plan for cardiovascular disease prevention among patients with hypertension.”

\$191,250/2 years 04/2020 – 03/2022

Canadian Institutes of Health Research (CIHR) - Project Scheme

PI: Douros, A

Co-investigator(s): Platt RW, Renoux C, Filion KB

“Effectiveness and safety of direct oral anticoagulants in patients with non-valvular atrial fibrillation and liver disease”

\$225,676/3 years 10/2019-9/2022

Canadian Institutes of Health Research (CIHR) - Project Scheme

PI: Douros, A

Co-investigator(s): Platt RW, Filion KB, Renoux C.

“Concomitant use of sulfonylureas with warfarin and the risk of severe hypoglycemia in patients with type 2 diabetes”

\$ 149,176/2 years 10/2019-9/2021

Emory University

PI: Ashley Naimi

Co-investigators: Lisa Bodnar, Robert Platt, Enrique Schisterman  
“Estimating the Effect of Low-Dose Aspirin on Fetal Loss in a Trial with Non-Compliance”  
\$27,000 (McGill budget only) 4/1/18-2/28/22

Canadian Institutes of Health Research (CIHR) - Project Scheme  
PI: Thombs, Brett  
Co-investigator(s): Connolly Kerri, El-Baalbaki Ghassan, Hudson Marie, Malcarne Vanessa, Pelaez Sandra, Platt Robert, Sauve Maureen  
“Scleroderma Support group Leader EDUCation (SSLED) Program”  
\$330 000/2 years 10/2018-9/2021

Canadian Institutes of Health Research (CIHR)  
PI: Beltempo M  
Co-PI: Piedboeuf B, Platt RW, Shah P  
“Optimizing Resource Allocation in the NICU to Improve Outcomes of Very Preterm Infants”  
\$210,000/3 years 11/ 2018 to 10/ 2021

Canadian Institutes of Health Research (CIHR) - Project Grant  
PI: Christina Greenaway, Naveed Janjua, Jeff Kwong, Beate Sander  
Co-investigator(s): Laurent Azoulay, Robert Balshaw, Julie Bruneau, Joseph Cox, Melisa Dickie, Marc Dionne, Jordan Feld, Murray Krahn, Mel Kraiden, Liane MacDonald, Tony Mazzulli, Michael Otterstatter, Robert Platt, Eleanor Pullenayegum, Mark Tyndall, Bryna Warshawsky, William Wong  
“Achieving hepatitis C elimination in Canada; addressing the needs of the diverse groups at risk”  
\$1,197,225/ 4 years 04-2017/03-2021

Natural Sciences and Engineering Research Council of Canada  
PI: Platt, R.W.  
“Statistical Methods for High-Dimensional Administrative Data”  
\$30,000/yr, 5 years, 100% Apr. 2017- Mar. 2022

Canadian Institutes of Health Research. (Foundation Scheme)  
Principal Investigator: Robert Platt  
Co-Investigators: Pierre Ernst, Michael Kramer, E. Moodie, S. Suissa, V. Tagalakis.  
“Statistical Methods in Pharmacoepidemiology and Perinatal Epidemiology”  
\$ 153,103/year for 7 years. July 2015- June 2022.

Canadian Institutes of Health Research (CIHR) – Other: DSEN Collaborating Center for Observational Studies (2016)  
NPI: Samy Suissa  
PI: Robert Platt, David Henry, Colin Dormuth, Ingrid Sketris

Co-PI: Adrian Levy, Brenda Hemmelgarn, Dan Chateau, Gary Teare, Jacques LeLorier, Michael Paterson, Patricia Caetano, Pierre Ernst, Kristian Filion  
"Canadian Network for Observational Drug Effect Studies"  
\$21, 583,333/ 5 years July 2016- August 2022

**Past:**

Canadian Institutes of Health Research-Foundation Scheme

PIs: Dolovich L

Co-PIs: Bernatsky S (Co-PI), Beyene J (Co-PI), Cadarette S (Co-PI), Carleton B (Co-PI), Dormuth C (Co-PI), Kim R (Co-PI), Levine M (Co-PI), Straus S (Co-PI), Thabane L (Co-PI), Abrahamowicz M, Agarwal G, Alsabbagh W, Beazely M, Bjerre L, Brown E, Farrell B, Gagnon MA, Gamble JM, Ho C, Holbrook A, Kaczorowski J, Kowalec K, Mangin D, Oremus M, Papaioannou A, Platt R, Raina P, Rieder M, Sketris I, Slavcev R, Tarride JE, Thavorn K, Tricco A.

"Drug Safety and Effectiveness Cross-Disciplinary Training (DSECT) Program."

\$1,373,522/ 5 years- November 2015-October 2020

Canadian Institutes of Health Research. (Foundation Scheme)

Principal Investigator: Laurent Azoulay

Co-Investigators: Robert Platt, Armen Aprikian, Jean Francois Boivin, Michael Pollak.

"Cancer pharmacoepidemiology: a population-based assessment of the risks of prescription drugs in vulnerable populations"

\$ 170,540/year for 5 years. July 2015- June 2020.

Canadian Institutes of Health Research (CIHR) - Project Scheme

PI: Filion Kristian

Co-investigator(s): Arel Roxane, Grandi Sonia, Platt Robert, Yu Oriana

"Levothyroxine for the Treatment of Subclinical Hypothyroidism in Pregnancy"

\$175, 950/ 2 years 10-2018/ 09-2020

Canadian Institutes of Health Research (CIHR) - Personalized Medicine Catalyst Competition

PI: Filion Kristian

Co-investigator(s): Platt Robert, Grandi Sonia, Hutcheon Jennifer, Smith Graeme

"Pregnancy complications and the risk of subsequent cardiovascular disease"

\$200, 000/ 2 years 9/2018-08/2020

Canadian Institutes of Health Research (CIHR) - Project Grant

PI: Melissa Henry

Co-investigator(s): Antoni M, Frenkiel S, Heyland D, Hier M, Platt R, Rosberger Z, Sadeghi N, Zeitouni A.

"Implementing an e-Intervention to Reduce Anxiety Symptoms and Improve Psychosocial Oncology Uptake In Patients Newly Diagnosed With Head and Neck Cancer: Pilot Randomized Controlled Trial"

\$275, 400/1.5 years 4/2018 – 10/2019

Canadian Institutes of Health Research (CIHR) - Project Grant

PI: Dr. Ana M. Velly

Co-investigator(s): Dr. Ian Shrier, Dr. Moreno Morelli, Dr. Robert Platt, Dr. Kevin Armstrong

“Optimizing pain management: a pilot randomized trial in patients undergoing arthroscopic shoulder surgery”

\$155, 000 04/2018 – 03/2019

Canadian Institutes of Health Research (CIHR) - Project Scheme

PI(s): McCandless LC (NPI); Lanphear BP (co-PI)

Co-investigator(s): Braun JM; Fraser W; Moodie EEM; Platt RW; Stephen DA

“Environmental chemical exposures during pregnancy and adverse pregnancy outcomes: A Bayesian analysis of the MIREC Study”

\$75,000 – 04/2017 – 03/2018

Canadian Institutes of Health Research.

PI: Haim Abenhaim

Co-PI: Robert Platt, William Fraser, Francois Audibert, Robert Gagnon, Stephanie Klam, Nathalie Leroux and Samy Suissa

“Progesterone for the Prevention of Miscarriage in Women with First Trimester Bleeding: Double Blind, Placebo-Controlled Randomized Trial”

\$1, 500, 000/ 4 years April 2014-March 2018

Canadian Institutes of Health Research

Co-PIs: Jennifer Hutcheon, Lisa Bodnar

Co-Is: Robert Platt, Mark Walker, Christy Woolcott

"Pregnancy weight gain charts for Canadian women: developing a novel tool to establish optimal gestational weight gain for maternal and child health"

\$240,309/ 3 years- October 2014- September 2017

Canadian Institutes of Health Research (CIHR) – Project Scheme

PI(s): Kristian Filion

Co-investigator(s): Laurent Azoulay, Robert Platt, Brenda Hemmelgarn, Oriana Yu

“Incretin-based drugs and the risk of adverse renal outcomes”

\$100,000- 07/2016 - 06/2017

Natural Sciences and Engineering Research Council of Canada

PI: Platt, R.W.

“Causal inference in statistics”

\$12,000/yr, 5 years, 100% Apr. 2012- Mar. 2017

Canadian Institutes of Health Research

PI: Greenaway C.

Co-PI: Platt, R.W., Bartlett G., Boivin J-F., Brisson M., Quach-Thanh C., and Schwartzman K.

“Universal Childhood Varicella Vaccination Program: Will It Protect or Harm the Immigrant Population?”

\$ 275,523/ 4 yrs. Oct. 2013- Sept. 2016

Canadian Institutes of Health Research

PI: Basso, Olga

Co-PI: Platt, R.W.

“Do the causes of infertility play a role in the health of children born to couples with low fertility?”

\$597,618/4 yrs. Oct. 2012- Sept. 2016

Canadian Institutes of Health Research.

Principal Investigator: Kristian Filion

Co-Investigators: Robert Platt, Laurent Azoulay, Ollie Saarela, Stella Daskalopoulou, Serge Benayoun. “A population-based assessment of the cardiovascular effects of 5-alpha reductase inhibitors.”

\$155,274/ 2 years. October 2014- September 2016

Canadian Institutes of Health Research

S. Suissa (P.I.), D. Henry, Platt, R.W. (P.I.), P. Ernst, C. Dormuth, P. Martens, A. Levy, B. Hemmelgarn, M. Paterson, G. Teare.

“Canadian Network for Observational Drug Effect Studies (CNODES)”

\$1,750,000/yr, 5 years, 8% Jan. 2011- Dec. 2016

Role: Leader of methodology team.

Canadian Institutes of Health Research

PI: Platt, R.W.

Co-PI: E. Moodie, S. Suissa, P. Ernst, C. Dormuth, V. Tagalakis

“Propensity scores and marginal structural models in drug safety research”

\$135,000/yr, 4 years, 100% Apr. 2012- Mar. 2015

Prostate Cancer Canada.

PI: Mahmud S

Co-PI: Aprikian A, Franco E, Platt R.W., Blanchard J, Turner D, Griffith J, & Bozat-Emre S.

“Role of metformin and other hypoglycemic medications in prostate cancer prevention: a population-based study”

\$158,642 - July 1st, 2013-June 30, 2015

Canadian Institutes of Health Research

PI: Filion, KB

Co-PI: Platt, R.W., Abenhaim H, Grad R, Kader T

“Gestational Diabetes Mellitus and the Risk of Incident Cardiovascular Disease”  
\$149,744/ 2 yrs. Apr. 2013- Mar. 2015

Canadian Institutes of Health Research (Operating Grant)  
PI: Bernatsky S,  
Co-PI: Vinet E, Platt R, Clarke A, Fombonne E, Joseph L, Pineau C  
“Neurodevelopmental Disorders in Children Born to Women with Systemic Lupus Erythematosus”  
\$92,010/ 2 years Apr. 2013 – Mar. 2015

Canadian Institutes of Health Research (Operating Grant)  
PI: Abenheim, Haim  
Co-PI: Platt Robert, Suissa Samy, Tulandi Togas, Wilchesky Machelie  
“Are Cesarean Deliveries Associated with a Long-Term Increased Risk of Small Bowel Obstruction?”  
\$206,333/ 2 years Apr. 2013 – Mar. 2015

Canadian Institutes of Health Research  
Aprikian, A, Eduardo F, Singh, H, Skarsgard D, Tonita, J, Mahmud, S (P.I.), Platt R.W.  
“Use of statins and prostate cancer risk and prognosis: A population-based study”  
\$148,228/ 2 yrs. Sept. 2011- Aug. 2013  
Role: Co-Investigator

US National Institutes of Health  
Misra, D. (PI) Platt, R.W. (subcontractor)  
“Reducing Preterm and Low Birth Weight in Minority Families”  
\$1,600,000 Total Funding  
\$234,276 (value of subcontract), Dec 2009-Nov 2013 100% of subcontract  
Role: Co-investigator, subcontractor

US National Institutes of Health  
Bodnar, L. (PI), Platt, R.W. (consultant)  
“Vitamin D: a link to racial disparities in birth outcomes.”  
\$20,000 (value of subcontract) Dec 2009-Nov 2013.  
Role: Consultant

Natural Sciences and Engineering Research Council of Canada  
Platt R.W.  
“Statistical Methods for Pediatric Research”  
\$85,000, April 2007-March 2012, 100%  
Role: PI

Canadian Institutes of Health Research  
Bernatsky S (P.I), Vinet E, Pineau C, Clarke A, Platt, RW.



“Obstetrical Complications and Long-Term Outcomes of Children Born to Women with Systemic Lupus Erythematosus (SLE)”  
\$74,606/ 2 yrs. Oct. 2010-Sept. 2012

Canadian Institutes of Health Research  
Berard A (P.I.), Platt RW, Tremblay R, St-Andre M, Fraser W.  
“Antidepressants in pregnancy longitudinal cohort: follow-up from 1-5 years of age”  
\$100,000/yr. March 2010-February 2011  
Role: Co-Investigator

Canadian Institutes of Health Research  
Moodie EEM., Platt RW, Suissa S., Kramer MS.  
“Statistical methods for causal inference in longitudinal studies with noncompliance and missing data”  
\$348,317, April 2008-March 2011, 20%  
Role: Methodological collaborator

Canadian Institutes of Health Research  
Fraser, William, Luo, ZC, Platt, R.W. et al  
“Maternal-Infant Research on Oxidative Stress”  
\$1,500,000, April 2006-March 2011, 5%  
Role: Lead statistician

Canadian Institutes of Health Research  
Foster, B., Platt, R.W., Hanley, J.A.  
“Long term graft and patient outcomes in young renal transplant recipients”  
\$165,000, April 2007-March 2010, 10%  
Role: Lead statistician

Canadian Institutes of Health Research  
Platt RW. (P.I.), Kramer M.S., Joseph K.S., Abenhaim H., Hutcheon J.A.  
“Simulated conception cohorts for the study of fetal and infant outcomes”  
\$135,000/yr, July 2007-June 2010, 100%  
Role: PI

Canadian Institutes of Health Research  
Arbuckle, Tye, Fraser, William, Luo, ZC, Platt, R.W. et al  
“ENVIR-INTAPP”  
\$480,000, Sept 2006-Aug 2010, 5%  
Role: Lead statistician

Canadian Institutes of Health Research  
Ernst P, Martinez C, Platt RW, Suissa S, Wilchesky M.

“Bronchodilators and the risk of cardiovascular outcomes in COPD: assessing risk using new methodological approaches”  
\$78,603, April 2008- March 2009

Canadian Institutes of Health Research  
Franco, E., Mahmud, S., Platt, R.W.  
“Natural History of HPV Infection and CIN in a High-risk Area”  
\$148,200 July 2007-June 2009, 0%  
Role: Lead statistician

Canadian Institutes of Health Research  
Abrahamowicz, M.M., Ciampi, A., Benedetti, A., Franco, E.L., Klein, M.B., Pilote, L., Platt, R.W., Siemiatycki, J.  
“Development and validation of new statistical methods for modeling intermediate events in survival analysis”  
213,049, March 2004-February 2007. 0%  
Role: methods development collaborator

Canadian Institutes of Health Research  
Joseph, K.S., Allen, A.C., Kramer, M.S., Lee, S.K., Liston, R.M., Liu, S., Platt, R.W., Sauve, R.S.  
“An alternative approach to the creation of fetal growth standards”  
\$130,002, March 2004-February 2007.  
Role: methods development collaborator

Natural Sciences and Engineering Research Council of Canada  
Platt, R.W.  
“Statistical Methods for Pediatric Research”  
\$68,000, April 2002-March 2007. 100%  
Role: PI

Canadian Institutes of Health Research  
Shrier, I., Boivin, J-F., Kakuma, R., Platt, R.W., Schachter, H., Steele, R.J.  
“Are systematic reviews that use only RCT studies sometimes misleading?”  
\$75,828, March 2004-February 2006.  
Role: methods development collaborator

Canadian Institutes of Health Research  
Eisenberg, M., Platt, R.W.  
“Use and effectiveness of perioperative anti-ischemic medical therapy among patients undergoing abdominal aortic aneurysm repair”  
\$100,000, April 2004-March 2006

Canadian Institutes of Health Research

Goldberg, M., Abrahamowicz, M., Burnett, R., Flegel, K., Giannetti, N., Platt, R.W.  
“Longitudinal study of acute effects of ambient air pollution in susceptible populations”  
\$150,126, March 2003-March 2006. 20%  
Role: methods development collaborator

Canadian Institutes of Health Research  
Lee, Shoo, Principal investigator (28 co-applicants)  
Evidence-based Practice Identification and Change (EPIC) in the NICU  
\$717,250, April 2002-March 2006. 1%  
Role: member of study monitoring board

Medical Research Council of Canada/CIHR  
Lydon, J., Kramer, M., Seguin, L., McNamara, H., Platt, R.W., Dassa, C., Goulet, L.  
“A prospective study of psychosocial factors influencing women's responses to a stressful  
birth outcome”  
\$408,948, April 2000-March 2006. 10%  
Role: lead statistician

Fonds Quebecois de recherche sur la nature et les technologies  
Hanley, J., Ciampi, A., Platt, R.W., Dendukuri, N., Abrahamowicz, M., Rahme, E.,  
Niyonsenga, T., Greenwood, C.  
“Statistical methods for multilevel data”  
\$164,000, September 2002-August 2006. 12%  
Role: leader of multiple projects (programmatic grant)

Canadian Institutes of Health Research  
Allison, P., Shapiro, S., Platt, R.W., Penrod, J.  
“A clinical trial of the effectiveness of a dental caries prevention program for young  
children”  
\$489,983, September 2003-August 2006  
Role: co-lead statistician

Canadian Institutes of Health Research  
Tamblyn, R., Platt, R.W.  
“MOXXI III”  
\$30,000, January 2004-December 2006, 0%  
Role: methods collaborator

Canadian Institutes of Health Research  
Kramer, M.S., Platt, R.W., Collet, J-P., et al  
“Breastfeeding duration and exclusivity: impact on child health and development”  
\$1,088,767, April 2002-March 2005, 10%  
Role: co-lead statistician

Canadian Institutes of Health Research  
Wolfson, C., Kirkland, S., Raina P.  
“CLSA: Developmental Activities Phase I”  
\$974,000, April 2004-March 2005, 2%  
\$770,000, April 2005-December 2005, 0%  
Role: methodological team leader

## Appendix G-4, Publications

### Articles in Peer Reviewed Journals

Methodological articles are indicated with a dagger (†). Articles for which a supervised graduate student was the lead author or I was senior author with graduate students supervised by others are indicated with an asterisk (\*).

1. †Breslow, N., Leroux, B. and Platt, R. "Approximate hierarchical modeling of discrete data in epidemiology" *Statistical Methods in Medical Research* (1998) 4:49-62.
2. Hamilton, E.F., Platt, R., Morin, L., Usher, R. Kramer, M. "How small is too small in a twin pregnancy?" *American Journal of Obstetrics and Gynecology* (1998) 179(3):682-685.
3. Joseph, K.S., Kramer, M.S., Marcoux, S., Ohlsson, A., Wen, S.W., Allen, A., Platt, R. "Determinants of secular trends in preterm birth in Canada" *New England Journal of Medicine* (1998) 339:1434-1439.
4. Kramer, M.S., Platt, R.W., Yang, H., Joseph, K.S., Wen, S.W., Morin, L. "Secular trends in preterm birth: A hospital based cohort study" *Journal of the American Medical Association* (1998) 280:1849-1854.
5. †Platt, R.W. "Estimation using saddlepoint approximations and modified profile likelihood in log odds ratio regression analysis" *Communications in Statistics - Simulation and Computation* (1998) 27:905-920.
6. Al-took, S., Platt, R., Tulandi, T. "Adhesion-related small bowel obstruction following gynecologic operations" *American Journal of Obstetrics and Gynecology* (1999) 180:313-315.
7. Christensen, B., Arbour, L., Tran, P., Leclerc, D., Sabbaghian, N., Platt, R., Gilfix, B., Rosenblatt, D., Gravel, R., Forbes, P., Rozen, R. "Relation Between the C677T Polymorphism in the MTHFR Gene, The Folate Level in Red Blood Cells and Risk for Neural Tube Defects" *American Journal of Medical Genetics* (1999) 84:151-157.
8. †Platt, R.W., Leroux, B.G., Breslow, N. "Generalized linear mixed models for meta-analysis" *Statistics in Medicine* (1999) 18:643-654.
9. Kramer, M.S., Platt, R., Yang, H., McNamara, H., Usher, R. "Are all growth-retarded infants created equal(ly)?" *Pediatrics* (1999) 103:599-602.

10. Wilson, A. Platt, R., Wu, Q., Leclerc, D., Christensen, B., Yang, H., Gravel, R., Rozen, R. "A common variant in methionine synthase reductase combined with low cobalamin (vitamin B12) increases risk for for spina bifida" *Molecular Genetics and Metabolism* (1999) 67:317-323.
11. Johnston, C.C., Stevens, B.J., Franck, L.S., Jack, A., Stremmer, R., Platt, R. "Factors explaining lack of response to tissue damage in preterm neonates" *Journal of Obstetric, Gynecologic and Neonatal Nursing* (1999) 28(6):587-9.
12. Rousseau, C., Drapeau, A., Platt, R. "Family trauma and its association with emotional and behavioral problems and social adjustment in adolescent Cambodian refugees" *Child Abuse and Neglect* (1999) 23(12) 1263-1273.
13. †Platt, R.W. "Saddlepoint approximations for small sample logistic regression problems" *Statistics in Medicine* (2000) 19:323-334.
14. †Platt, R.W., Hanley, J.A., Yang, H. "Bootstrap confidence intervals for the sensitivity of a diagnostic test" *Statistics in Medicine* (2000) 19:313-322.
15. Kramer, M.S., Demissie, K., Yang, H., Platt, R.W., Sauve, R., Liston, R. "The contribution of mild and moderate preterm birth to infant mortality", *Journal of the American Medical Association* (2000) 284:843-849.
16. Giguere, C.M., Manoukian, J.J., Patenaude, Y, Platt, R. "Ultrasound and a new videobronchoscopic technique to measure the subglottic diameter" *Journal of Otolaryngology* (2000) 29(5):290-8.
17. Rousseau, C., Drapeau, A., Platt, R., "Living Conditions and Emotional Profile of Young Cambodians, Central Americans and Quebecois" *Canadian Journal of Psychiatry*, (2000) 45:905-911.
18. Joseph, K.S., Kramer, M.S., Marcoux, S., Ohlsson, A., Wen, S.W., Allen, A., Platt, R. "Implausible birth weight for gestational age" *American Journal of Epidemiology*, (2001) 153:110-113.
19. \*\*Horta, B., Kramer, M.S., Platt, R.W. "Maternal smoking and the risk of early weaning: a meta-analysis" *American Journal of Public Health* (2001) 91:304-7.
20. †Pham, B., Platt, R., McAuley, L., Sampson, M., Klassen, T.P., Moher, D. "Detecting and Minimizing the Impact of for Publication Bias: An Empirical study of Methods" *Evaluation and the Health Professions*, (2001)24(2):109-125.

21. Hamilton, E.F., Bujold, E., McNamara, H., Gauthier, R., Platt, R.W. "Dystocia in Women with Symptomatic Uterine Rupture" *American Journal of Obstetrics and Gynecology* (2001)184:620-624.
22. †Hanley, J.A., Joseph, L., Platt, R.W., Chung, M.K. "The median: The minimum-deviation location" *American Statistician* (2001)55(2):150-52.
23. McGillivray, D., Nijssen-Jordan, C., Kramer, M.S., Yang, H., Platt, R.W. "Critical Pediatric Equipment Availability in Canadian Hospital Emergency Wards" *Annals of Emergency Medicine* (2001)37(4):371-376.
24. Tchervenkov, C.J., Shum-Tim, D., Beland, M.J., Jutras, L., Platt, R. "Single ventricle with systemic obstruction in early life: comparison of initial pulmonary artery banding versus the Norwood operation" *European Journal of Cardio-thoracic Surgery* (2001)19(5):671-7.
25. Kramer, M.S., Goulet, L., Lydon, J., Seguin, L., McNamara, H., Dassa, C., Platt, R.W., Chen, M.F., Gauthier, H., Genest Jr., J., Kahn, S., Libman, M., Rozen, R., Masse, A., Miner, L., Asselin, G., Benjamin, A., Klein, J., Koren, G. "Socio-economic disparities in preterm birth: causal pathways and mechanisms" *Pediatric and Perinatal Epidemiology* (2001)15(Suppl 2):104-123.
26. Shum-Tim, D., Tchervenkov, C.I., Laliberte, E., Al-Maleek, J., Nimeh, T., Luo, C-Y, Bittira, B., Platt, R., Philip, A., Lavoie, J. "Timing of steroid treatment is important for neuroprotection during cardiopulmonary bypass and circulatory arrest" *Surgical Forum* (2001) 7.
27. †Kramer, M.S., Platt, R.W., Wen, S.W., Joseph, K.S., Allen, A. "A new and improved population-based reference for birth weight and gestational age" *Pediatrics* (2001)108(2):E35.
28. †Platt, R.W., Abrahamowicz, M., Kramer, M.S., Joseph, K.S., Mery, L., Blondel, B., Breart, G., Wen, S.W. "Detecting and eliminating erroneous gestational ages: A normal mixture model", *Statistics in Medicine* (2001)20:3491-3503.
29. Brown, K.A., Platt, R., Bates, J.H.T. "Automated Analysis of paradoxical rib cage motion during sleep in infants" *Paediatric Pulmonology* (2002)33(1):38-46.
30. Kramer, M.S., Platt, R.W., Yang, H., Haglund, B., Cnattingius, S. Notzon, F.C., McCarthy, B., Bergsjö, P., McIlwaine, G., Zadka, P. "International comparisons of infant mortality: facts and artifact". *Pediatric and Perinatal Epidemiology* (2002)16(1):16-22.
31. †Yang, H., Kramer, M.S., Platt, R.W., Blondel, B., Breart, G., Morin, I., Wilkins, R., Usher, R. "How does Early Ultrasound Estimation of Gestational Age Lead to Higher

- Rates of Preterm Birth?" American Journal of Obstetrics and Gynecology (2002)186(3):433-437.
32. Blondel, B., Morin, I., Platt, R.W., Kramer, M.S., Usher, R., Breart, G. "Algorithms for combining menstrual and ultrasound estimates of gestational age: consequences for rates of preterm and postterm birth" British Journal of Obstetrics and Gynecology (2002)109(6):718-20.
  33. Kramer, M.S., Guo, T., Platt, R.W., Shapiro, S., Collet, J.P., Chalmers, B., Hodnett, E., Sevkovskaya, Z., Dzikovich, I., Vanilovich, I. "Breastfeeding and infant growth: biology or bias?" Pediatrics (2002)110(2 Pt 1):343-7.
  34. Rennick, J.E., Johnston, C.C., Dougherty, G., Platt, R., Ritchie, J. "Children's psychological responses following critical illness and exposure to invasive technology" Journal of Developmental and Behavioural Pediatrics (2002)23(3):133-144.
  35. Ramsay, M., Gisel, E., McCusker, J., Bellavance, F., Platt, R.W. "Infant sucking ability, nonorganic failure to thrive, maternal characteristics and feeding practices: a prospective cohort study" Developmental Medicine and Child Neurology (2002)44(6):405-14.
  36. †Platt, R.W. "The effect of gestational age errors and their correction in interpreting population trends in fetal growth and gestational age-specific mortality" Seminars in Perinatology (2002)26(4):306-11.
  37. †Kramer, M.S., Liu, S., Luo, Z.C., Yuan, H., Platt, R.W. "Analysis of perinatal mortality and its components: time for a change?" American Journal of Epidemiology (2002)156(6):493-7.
  38. Husein M., Manoukian J.J., Platt R., Patenaude Y., Drouin S., Giguere C. "Ultrasonography and videobronchoscopy to assess the subglottic diameter in the paediatric population: a first look" Journal of Otolaryngology (2002)31(4):220-6.
  39. Greenfield, B., Larson, C., Hechtman, L., Rousseau, C., Platt, R.W. "A Controlled Clinical Trial of a Crisis Intervention Approach to the Treatment of Suicidal Adolescents". Psychiatric Services (2002)3(12):1574-9.
  40. Kramer, M.S., Morin, I., Yang, H., Platt, R.W., Usher, R., McNamara, H., Joseph, K.S., Wen, S.W. "Why are babies getting bigger? Temporal trends in fetal growth and its determinants" Journal of Pediatrics (2002)141(4):538-42.
  41. Patel, H., Platt, R.W., Pেকেles, G.S., Ducharme, F. "Does it make a difference? A randomized, controlled trial of the effectiveness nebulized extended-use



- epinephrine compared to salbutamol and saline in infants with acute viral bronchiolitis." *Journal of Pediatrics* (2002)141(6):818-24.
42. Berard, A., Abenheim, L., Platt, R., Kahn, S.R., Steinmetz, O. "Risk factors for the first-time development of venous ulcers of the lower limbs: the influence of heredity and physical activity" *Angiology* (2002)53(6):647-57.
  43. Arbour, L., Christensen B., Delormier, T., Platt, R., Gilfix, B., Forbes, P., Kovitch, I., Morel, J., Rozen, R. "Spina bifida, folate metabolism, and dietary folate intake in a Northern Canadian aboriginal population" *International Journal of Circumpolar Health* (2002)61(4):341-51.
  44. \*Essebag, V., Hadjis, T., Pilote, L., Platt, R.W. "Amiodarone and the risk of heart block requiring pacemaker insertion" *Journal of the American College of Cardiology* (2003)41(2):249-54.
  45. Tsang, J.C., Morin, J-F., Tchervenkov, C.I., Platt, R.W., Sampalis, J., Shum-Tim, D. "Single Aortic Clamp versus Partial Occluding Clamp Technique for Cerebral Protection during Coronary Artery Bypass: A Randomized Prospective Trial", *Journal of Cardiac Surgery* (2003)18(2):158-63.
  46. Morin, I., Platt, R.W., Weisberg, I., Sabbaghian, N., Wu, Q., Garrow, T.A., Rozen, R. "A common variant in betaine-homocysteine methyltransferase (BHMT) and risk for spina bifida" *American Journal of Medical Genetics* (2003)119A (2):172-6.
  47. Kakuma, R., Galbaud du Fort, G., Arsenault, L., Perrault, A., Platt, R.W., Monette, J., Moride, Y., Wolfson, C. "Delirium in elderly emergency department patients discharged home: impact on survival", *Journal of the American Geriatric Society* (2003)51(4):443-50.
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  49. Joseph, K.S., Liu, S., Demissie, K., Wen, S.W., Platt, R.W., Ananth, C.V., Dzakpasu, S., Sauve, R., Allen, A.C., Kramer, M.S. "A parsimonious explanation for intersecting perinatal mortality curves: understanding the effects of plurality and of parity" *BMC Pregnancy and Childbirth* 2003, 3:3 (02 Jun 2003).
  50. †Sampson, M., Barrowman, N.J., Moher, D., Klassen, T.P., Pham, B., Platt, R., St. John, P.D., Viola, R., Raina, P. "Should systematic reviewers search Embase in addition to Medline?" *Journal of Clinical Epidemiology* 2003 Oct; 56(10):943-55.

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