

Personal Identification Number (P.I.N.)

23007

CV Module

This page is for CIHR use only. It will not be included in the evaluation of your application for funding.

Family Name Willan		Given Name Andrew		Middle Initial(s) R																
Have you previously applied to CIHR for funding? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> Previous family name used _____ Previous given name used _____		Title: Dr. <input checked="" type="checkbox"/> Mr. <input type="checkbox"/> Mrs. <input type="checkbox"/> Ms. <input type="checkbox"/> Prof. <input type="checkbox"/>																		
Courier Address (If different from mailing address) 401-123 Edward Street Toronto, Ontario CANADA (M5G 1E2)		Temporary Address Start Date _____ End Date _____		Primary Affiliation Name The Hospital for Sick Children Start Date 07/2002																
Contact numbers Phone Primary (416) 813-2166 Secondary _____ Temporary _____ Start Date _____ End Date _____		Fax Primary _____ Temporary _____ Start Date _____ End Date _____		Primary Affiliation Address Child Health Evaluative Sciences Research Institute Hospital for Sick Children 555 University Avenue Toronto, Ontario CANADA (M5G 1X8)																
Citizenship Canadian <input checked="" type="checkbox"/> Other <input type="checkbox"/> Other Country of Citizenship _____		Electronic Addresses E-Mail andy@andywillan.com Web page address www.andywillan.com																		
Correspondence Language English <input checked="" type="checkbox"/> French <input type="checkbox"/>		Permanent Residence in Canada Permanent Resident <input type="checkbox"/> Date of permanent residency status _____ DD/MM/YYYY Have you applied for permanent residency? Yes <input type="checkbox"/> No <input type="checkbox"/>																		
Gender Male <input checked="" type="checkbox"/> Female <input type="checkbox"/>		Date of Birth (DD/MM/YYYY) 11/05/1947		<table border="1" style="width:100%; border-collapse: collapse;"> <thead> <tr> <th>Language</th> <th>Read</th> <th>Write</th> <th>Speak</th> <th>Understand</th> </tr> </thead> <tbody> <tr> <td>English (Yes or No)</td> <td>YES</td> <td>YES</td> <td>YES</td> <td>YES</td> </tr> <tr> <td>French (Yes or No)</td> <td>NO</td> <td>NO</td> <td>NO</td> <td>NO</td> </tr> </tbody> </table> Other Languages: _____		Language	Read	Write	Speak	Understand	English (Yes or No)	YES	YES	YES	YES	French (Yes or No)	NO	NO	NO	NO
Language	Read	Write	Speak	Understand																
English (Yes or No)	YES	YES	YES	YES																
French (Yes or No)	NO	NO	NO	NO																

Expertise

List up to ten (10) key words that best describe your expertise in research, instruments and technique.

Biostatistics	
Clinical Trials	
Health Economic Analysis	
Crossover Designs	
Meta-analysis	

Indicate and rank the disciplines that best correspond to your research interests. No additional pages may be added.

Rank	Discipline		Sub Discipline	
	Code	Description	Code	Description
1.	105	STATISTICS AND PROBABILITY	133	Biostatistics
2.	31	EPIDEMIOLOGY	402	Clinical Trials/Clinical Trial Design
3.	31	EPIDEMIOLOGY	341	Health Economics
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Academic Background - One additional page may be added

Indicate all university degrees obtained and those in progress (where applicable) starting with the most recent. If you hold a co-degree from more than one institution (e.g. under the Soutien aux cotutelles de these de doctorat agreement between Quebec and France) enter each institution separately. Do not enter honorary degrees here, they should be listed in the Distinctions section.

Also indicate research training, such as postdoctoral or fellowship training. Trainees only: also list undergraduate and graduate research training experience.

Degree Type	Degree Name and Specialty	Institution/Organization and Country	Supervisor name	Start date (MM/YYYY)	Date received or expected (MM/YYYY)
Doctorate (PhD)	Doctor of Philosophy Biostatistics	University of Western Ontario CANADA	Dr. Allan Donner	09/1976	10/1979
Master's	Master of Science Statistics	Queen's University at Kingston CANADA	Dr. Donald Watts	09/1974	10/1976
Bachelor's	Bachelor of Education Education	Queen's University at Kingston CANADA	Unknown	09/1971	05/1972
Bachelor's	Bachelor of Arts Economics and Mathematics	York University CANADA	Unknown	09/1967	05/1970

Work Experience

Starting with the most recent, indicate your current position, where applicable, and other academic and non-academic position(s) since the beginning of your university studies. For your current positions leave the end date blank. Additional pages will be accepted.

Position	Institution/Organization and Country	Department/Division and Faculty/School	Start Date (MM/YYYY)	End Date (MM/YYYY)
Professor Emeritus	McMaster University CANADA	Clinical Epidemiology and Biostatistics Health Sciences	07/2002	
Senior Scientist	The Hospital for Sick Children CANADA	Child Health Evaluative Sciences Not applicable	07/2002	
Full Professor	University of Toronto CANADA	Public Health Sciences Medicine	02/2002	
Full Professor	McMaster University CANADA	Clinical Epidemiology and Biostatistics Health Sciences	07/1993	06/2002
Associate Professor	McMaster University CANADA	Clinical Epidemiology and Biostatistics Health Sciences	06/1990	06/1993
Associate Professor	University of Toronto CANADA	Preventive Medicine & Biostatistics Medicine	03/1989	11/1991
Department Chair/Head	Sunnybrook and Women's College Health Sciences Centre CANADA	Cancer Program/Clinical Trials & Epidemiology Not Applicable	01/1989	05/1990
Associate Professor	University of Guelph CANADA	Population Medicine Veterinary Science	09/1987	12/1988

Distinctions / Awards / Credentials

Starting with the most recent, indicate any recognitions received, including awards, fellowships, scholarships, licenses, qualifications, professional designation or credentials. Do not include Academic Appointments here, as they are detailed under Work Experience. Maximum 20 entries.

Name/Title and Type	Institution/Organization and Country	Effective Date (MM/YYYY)	End Date (MM/YYYY)	Specialty	Total Amount
Research Excellence Award Research award	International Society for Pharmacoeconomics and Outcomes Research UNITED STATES	05/2000			
PhD Student Fellowship Research award	NHRDP CANADA	09/1977			

Patents and Intellectual Property Rights

Record the total numbers of patents / copyrights in the following table.

OBTAINED			APPLICATIONS UNDER PROCESS			TOTAL PATENTS AND INTELLECTUAL PROPERTY RIGHTS
Total individual	Total collective	Sub-total	Total individual	Total collective	Sub-total	
0	0	0	0	0	0	0

PUBLICATIONS AND PRESENTATIONS

Give the number of publications and presentations in the course of your career. Detailed information should be attached as specified in the "Contributions - details" section.

Publications	Refereed Articles	Books and Monographs	Proceedings / Book Chapters / Contributions to a collective work	Abstracts / Notes	TOTALS
Already Published	226	1	4	0	231
Accepted or in the Press	0	0	0	0	0
					231

Invited presentations	54
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LITERARY AND ARTISTIC WORKS

Provide the number of literary and artistic works created in the course of your career. Detailed information should be attached as specified in the "Contributions - details" section.

IN CIRCULATION			IN PROGRESS			TOTAL LITERARY AND ARTISTIC WORKS
Total individual	Total collective	Sub-total	Total individual	Total collective	Sub-total	
0	0	0	0	0	0	0

Supervisory Experience: To be completed by applicants requesting research trainees as part of their budget, salary support candidates and proposed supervisors of trainees.

Indicate the number of graduate students and postdoctoral fellows that you currently supervise or co-supervise. CIHR defines supervisory experience as the formal supervision or co-supervision of trainees. Enter zero (0) if not applicable.

Master 0Doctoral 1Post-Doctoral 0

Complete this form by listing the trainees that you have supervised/co-supervised (and are currently supervising/co-supervising) within the last five (5) years. Additional pages may be added if necessary.

* Flag those where you were/are the Primary Supervisor.

*	Name of Student	Program Type	Dates		Degree received or expected	Year Degree Rec'd (YYYY)	Research Project (Short title)	Current position and Institution
			Support Period From (MM/YY)	To (MM/YYYY)				
*	Maggie Chen	Graduate Student	09/2006		Doctorate (PhD)		The Value of Information and Clinical Research Designs	PhD Graduate Student, U. of Toronto
	Ahmed Hossain	Graduate Student	09/2004	04/2011	Doctorate (PhD)	2011	Microarray Analysis	Statistician, Apotex
	Luisine Abrahamyan	Graduate Student	09/2005	11/2010	Doctorate (PhD)	2010	Development of new clinical trial design for rare diseases	Researcher, ICES

Funds REQUESTED

List all sources of support applied for (including CIHR) as an applicant or as a co-applicant. Include the principal applicant's name, title of the proposal, funding source, program name, total amount requested (in Canadian dollars) and the period of the support. Indicate your role in the funding (principal applicant/project leader or co-applicant).

Title of Proposal Impact of Emergency Department Probiotic Treatment of Pediatric Gastroenteritis		
Funding Source National Institutes of Health (NIH) (USA)		Program Name
Principal Applicant / Project Leader Gorelick, Marc		Your Role Co-Applicant
Total Amount (CAN\$) \$2,200,000	Support Period From (MM/YYYY) 04/2011	To (MM/YYYY) 03/2014

Title of Proposal		
Funding Source		Program Name
Principal Applicant / Project Leader		Your Role
Total Amount (CAN\$)	Support Period From (MM/YYYY)	To (MM/YYYY)

Title of Proposal		
Funding Source		Program Name
Principal Applicant / Project Leader		Your Role
Total Amount (CAN\$)	Support Period From (MM/YYYY)	To (MM/YYYY)

Title of Proposal		
Funding Source		Program Name
Principal Applicant / Project Leader		Your Role
Total Amount (CAN\$)	Support Period From (MM/YYYY)	To (MM/YYYY)

Funds CURRENTLY HELD

List all sources of support currently held (including CIHR) as an applicant or as a co-applicant. Include the principal applicant's name, title of the proposal, funding source, program name, total amount awarded (in Canadian dollars) and the period of the support. Indicate your role in the funding (principal applicant/project leader or co-applicant).

Title of Proposal Sustainability of a multidimensional knowledge translation intervention to improve paediatric pain practices and outcomes		
Funding Source Canadian Institutes of Health Research (CIHR)	Program Name Operating Grant	
Principal Applicant / Project Leader STEVENS, Bonnie J	Your Role Co-Applicant	
Total Amount (CAN\$) \$998,061	Support Period From (MM/YYYY) 04/2011	To (MM/YYYY) 03/2015
Title of Proposal Bedside Paediatric Early Warning System: a cluster RCT of mortality and processes of care		
Funding Source Canadian Institutes of Health Research (CIHR)	Program Name Clinical Trials	
Principal Applicant / Project Leader Parshuram, Christopher	Your Role Co-Applicant	
Total Amount (CAN\$) \$3,300,000	Support Period From (MM/YYYY) 07/2010	To (MM/YYYY) 06/2014
Title of Proposal Expected Value of Information and Optimal Trial Design		
Funding Source Natural Sciences and Engineering Research Council of Canada (NSERC)	Program Name Discovery Grants Program - Individual	
Principal Applicant / Project Leader	Your Role Principal Applicant	
Total Amount (CAN\$) \$70,000	Support Period From (MM/YYYY) 04/2008	To (MM/YYYY) 03/2013
Title of Proposal Multiple Courses Of Antenatal Corticosteroids For Preterm Birth Study: 5 Year Follow-Up (MACS-5)		
Funding Source Canadian Institutes of Health Research (CIHR)	Program Name Clinical Trials	
Principal Applicant / Project Leader Asztalos, Elizabeth	Your Role Co-Applicant	
Total Amount (CAN\$) \$3,585,161	Support Period From (MM/YYYY) 10/2005	To (MM/YYYY) 09/2012

Funds HELD IN THE LAST FIVE YEARS

List all sources of support held in the last five years (including CIHR) as an applicant or as a co-applicant. Include the principal applicant's name, title of the proposal, funding source, program name, total amount awarded (in Canadian dollars) and the period of the support. Indicate your role in the funding (principal applicant/project leader or co-applicant).

Title of Proposal Translating Research on Pain in Children (TROPIC) Study		
Funding Source Canadian Institutes of Health Research (CIHR)	Program Name Operating Grant	
Principal Applicant / Project Leader Stevens, Bonnie	Your Role Co-Applicant	
Total Amount (CAN\$) \$1,379,952	Support Period From (MM/YYYY) 04/2008	To (MM/YYYY) 03/2012

Title of Proposal Impact of oximetry on disposition in acute bronchiolitis		
Funding Source Physicians Services Incorporated Foundation (The) (PSI)	Program Name	
Principal Applicant / Project Leader Schuh, Suzanne	Your Role Co-Applicant	
Total Amount (CAN\$) \$163,000	Support Period From (MM/YYYY) 10/2008	To (MM/YYYY) 10/2011

Title of Proposal The Twin Birth Study		
Funding Source Canadian Institutes of Health Research (CIHR)	Program Name Clinical Trials	
Principal Applicant / Project Leader Barrett, Jon	Your Role Co-Applicant	
Total Amount (CAN\$) \$8,608,045	Support Period From (MM/YYYY) 04/2003	To (MM/YYYY) 07/2011

Title of Proposal CIHR Team in Children's Pain		
Funding Source Canadian Institutes of Health Research (CIHR)	Program Name Team Grant	
Principal Applicant / Project Leader Stevens, Bonnie	Your Role Co-Applicant	
Total Amount (CAN\$) \$4,054,611	Support Period From (MM/YYYY) 04/2006	To (MM/YYYY) 03/2011

Funds HELD IN THE LAST FIVE YEARS

List all sources of support held in the last five years (including CIHR) as an applicant or as a co-applicant. Include the principal applicant's name, title of the proposal, funding source, program name, total amount awarded (in Canadian dollars) and the period of the support. Indicate your role in the funding (principal applicant/project leader or co-applicant).

Title of Proposal Infant and Maternal Factors Associated with Attendance at Neonatal Follow-up Programs		
Funding Source Canadian Institutes of Health Research (CIHR)	Program Name	
Principal Applicant / Project Leader Stevens, Bonnie	Your Role Co-Applicant	
Total Amount (CAN\$) \$180,000	Support Period From (MM/YYYY) 07/2007	To (MM/YYYY) 06/2010
Title of Proposal The Tips for Infant and Parental Sleep (TIPS) Trial		
Funding Source Canadian Institutes of Health Research (CIHR)	Program Name Clinical Trials	
Principal Applicant / Project Leader Stremler, Robyn	Your Role Co-Applicant	
Total Amount (CAN\$) \$405,344	Support Period From (MM/YYYY) 10/2007	To (MM/YYYY) 06/2009
Title of Proposal Functional outcomes following orthopaedic surgery based on gait laboratory versus observational gait analysis in ambulatory children with cerebral palsy: A pilot randomized controlled trial		
Funding Source Bloorview Research Institute (ON)	Program Name Seed Program	
Principal Applicant / Project Leader Narayana, Unni	Your Role Co-Applicant	
Total Amount (CAN\$) \$25,015	Support Period From (MM/YYYY) 07/2007	To (MM/YYYY) 06/2008
Title of Proposal Development of statistical methodology in cost-effectiveness analysis		
Funding Source Natural Sciences and Engineering Research Council of Canada (NSERC)	Program Name Discovery Grant (RGPIN)	
Principal Applicant / Project Leader Willan, Andrew	Your Role Principal Applicant	
Total Amount (CAN\$) \$44,000	Support Period From (MM/YYYY) 04/2003	To (MM/YYYY) 03/2008

Funds HELD IN THE LAST FIVE YEARS

List all sources of support held in the last five years (including CIHR) as an applicant or as a co-applicant. Include the principal applicant's name, title of the proposal, funding source, program name, total amount awarded (in Canadian dollars) and the period of the support. Indicate your role in the funding (principal applicant/project leader or co-applicant).

Title of Proposal Emergency Department Rapid Intravenous Rehydration for Pediatric Gastroenteritis: A Randomized Controlled Trial		
Funding Source Physicians Services Incorporated Foundation (The) (PSI)	Program Name General Awards	
Principal Applicant / Project Leader Freedman, Stephen	Your Role Co-Applicant	
Total Amount (CAN\$) \$156,000	Support Period From (MM/YYYY) 05/2006	To (MM/YYYY) 12/2007
Title of Proposal Early External Cephalic Version 2 Trial		
Funding Source Canadian Institutes of Health Research (CIHR)	Program Name Clinical Trials	
Principal Applicant / Project Leader Hutton, Eileen	Your Role Co-Applicant	
Total Amount (CAN\$) \$2,853,717	Support Period From (MM/YYYY) 10/2003	To (MM/YYYY) 12/2007
Title of Proposal Functional outcomes following orthopaedic surgery based on gait laboratory versus observational gait analysis in ambulatory children with cerebral palsy: A randomized controlled trial		
Funding Source Pediatric Orthopaedic Society of North America (POSNA)	Program Name	
Principal Applicant / Project Leader Narayana, Unni	Your Role Co-Applicant	
Total Amount (CAN\$) \$29,821	Support Period From (MM/YYYY) 07/2006	To (MM/YYYY) 06/2007
Title of Proposal SELAN (Structured Early Labour Assessment and Care)		
Funding Source Canadian Institutes of Health Research (CIHR)	Program Name Clinical Trials	
Principal Applicant / Project Leader Hodnett, Ellen	Your Role Co-Applicant	
Total Amount (CAN\$) \$665,668	Support Period From (MM/YYYY) 07/2003	To (MM/YYYY) 06/2007

MOST SIGNIFICANT CONTRIBUTIONS

A. I have 226 life-time publications with an H-factor of 47 (*i.e.* 47 of those publications have been cited at least 47 times).

B. I have thirty-six publications in the area of statistical analysis of cost-effectiveness data the expected value of information methods (four of which have been awarded major international research prizes). As a result of providing leadership in the area, I have been an invited speaker on numerous occasions for the Drug Information Association, the American Public Health Association, University of Oxford, London School of Hygiene and Tropical Medicine, University of Cambridge, University of York, University of Sydney, the Joint Statistics Meetings and the Biometrics Society. In addition, I have participated in workshops sponsored by the University of Oxford, University of Sydney Flinders University, University of York, McMaster University and the University of Aberdeen. I am consulted frequently by researchers throughout the world regarding the analysis of cost-effectiveness data and the use of value of information methods for the analysis and design of clinical research studies.

C. I have four publications in the area of statistical design and analysis of crossover trials. The articles are cited routinely in text books, other methods articles and in the reports of the results of crossover trials. I am often consulted with regard to these methods.

D. I have ten publications resulting from my collaborations with the Osteoporosis Methodology Group for which I developed innovative approaches for performing meta-analysis in multi-dose trials. The evidence in the manuscripts represent the state-of-the-art in this field and will provide the evidence for proper standard of practice.

E. I have thirty-one publications which are the results of several years of collaboration in obstetrics and infant and child care at the University of Toronto. They represents the results of CIHR funded randomize clinical trials in obstetrics. One demonstrated the clear superiority of caesarean section over planned vaginal birth for breech presentation. The results of this trial have changed patient care on an international scale as caesarean section has become standard practice.

ACTIVITIES / CONTRIBUTIONS

Grant Committees

- CHIR, Clinical Trials Panel 2001-2006
- NCIC, Panel I (Clinical Trials) 1998-2002
- CHIR, University-Industry Clinical Trials Panel, 1994-2001
- Canadian HIV Trials Network Scientific Panel, 1992-1997

External Grant Reviews

- Canadian Institutes of Health Research
- British Columbia Research Institute
- National Cancer Institute of Canada
- Ontario Ministry of Health
- Canadian HIV Trials Network
- Clinical Trials Program, German Federal Ministry for Research and Education
- National Science and Engineering Research Council
- National Science Foundation, USA
- Economic and Social Research Council, UK

Journal Referee

- Technometrics
- Canadian Journal of Statistics
- Journal of Chronic Diseases
- American Statistician
- Controlled Clinical Trials
- Biometrics
- BioMed Central
- Circulation
- Clinical Trials
- Cost Effectiveness and Resource Allocation
- Health Policy
- Health Economics
- Health Policy and Planning
- Journal of Health Economics
- Journal of the Royal Statistical Society, Series A
- Medical Decision Making
- Pharmcoeconomics
- Public Library of Science
- Scandinavian Journal of Statistics
- Statistica Sinica
- Statistics in Medicine
- Teaching and Learning in Medicine
- Value in Health

PUBLICATIONS (2007-2011)

1. Eckermann S, **Willan AR**. Expected value of information and decision making in HTA. *Health Economics* 2007; **16**: 195-209.
2. Pullenayegum EM, **Willan AR**. Semi-parametric regression models for cost-effectiveness analysis: improving the efficiency of estimation from censored data. *Statistics in Medicine* 2007; **26**: 3274-3299.
3. Dolovich L, Sabharwal M, Agro K, Foster G, Lee A, McCarthy L , **Willan AR**. The effect of pharmacist education on asthma treatment plans for simulated patients. *Pharmacy World & Science* 2007; **29**: 228-239.
4. Magee LA, von Dadelszen P, *et al.*, **Willan AR**, Hannah ME. The control of hypertension in pregnancy study pilot trial. *British Journal of Obstetrics and Gynecology* 2007; **11**(4): 770-778.
5. **Willan AR**. Clinical decision making and the expected value of information. *Clinical Trials* 2007; **4**: 279-285.
6. Hossain A, **Willan AR**. Approximate MLEs of the parameters of location-scale models under type II censoring. *Statistics* 2007; **41**(5): 385-394.
7. Su M, McLeod L, Ross S, **Willan AR**, Hannah WJ, Hutton EK, Hewson SA, McKay D, Hannah ME. Factors associated with maternal morbidity in the Term Breech Trial. *Journal of Obstetrics and Gynaecology of Canada* 2007; **29**: 324-330.
8. Boutis K, **Willan AR**, Babyn P, Narayanan UG, Alman B, Schuh S. A randomized, controlled trial of a removable brace versus casting in children with low-risk ankle fractures. *Pediatrics* 2007; **119**(6): e1256-e1263.
9. Magee LA, *et al.* **Willan AR**. Women's views of the experiences in the CHIPS (Control of Hypertension in Pregnancy Study) Pilot Trial. *Hypertension in Pregnancy* 2007; **26**: 371-387.
10. Eckermann S, **Willan AR**. Time and EVSI wait for no patient. *Value in Health* 2008; **11**: 522-526.
11. **Willan AR**, Kowgier ME. Cost-effectiveness Analysis of a Multinational RCT with a Binary Measure of Effectiveness and an Interacting Covariate. *Health Economics* 2008; **17**: 777-791.
12. Nicholson A, Berger K, Bohn R, Carcao M, Fischer K, Gringeri A, Hoots K, Mantovani L, Schramm W, Van Hout BA, **Willan AR**, Feldman B. Recommendations for the reporting of economic evaluations of hemophilia prophylaxis: a nominal group consensus statement on behalf of the economics expert working group of the International Prophylaxis Study Group. *Haemophilia* 2008; **14**: 127-132.
13. Eckermann S, **Willan AR**. The option value of delay in health technology assessment. *Medical Decision Making* 2008; **28**: 300-305.
14. Eckermann S, Briggs A, **Willan AR**. Health technology assessment in the cost-disutility plane. *Medical Decision Making* 2008; **28**: 172-181.
15. **Willan AR**, Kowgier ME. Determining optimal sample sizes for multi-stage randomized clinical trials using value of information methods. *Clinical Trials* 2008; **5**: 289-300.

16. Hodnett ED, Sremler R, **Willan AR**, *et al.* Does a formalised approach to care in hospital labour assessment units affect birth outcomes? Results of an international, randomised controlled trial. *BMJ* 2008; **337**:a1021.
17. **Willan AR**. Optimal sample size determinations from an industry perspective based on the expected value of information. *Clinical Trials* 2008; **5**: 587-594.
18. Murphy KE, Hannah ME, **Willan AR** *et al.* Multiple courses of antenatal corticosteroids for preterm birth study (MACS): a randomised controlled trial. *Lancet* 2008; **372**: 2143-2151.
19. Nagel K, **Willan AR**, Lappan J, Korz L, Buckley N, Barr RD. Pediatric oncology sedation trial (POST): A double-blind randomized study. *Pediatr Blood and Cancer* 2008; **51**: 634-638.
20. Eckermann S, **Willan AR**. Globally optimal trial design for local decision making. *Health Economics* 2009; **18**: 203-216.
21. Schuh S, **Willan AR**, Stephens D, Dick PT, Coates A. Can Montelukast Shorten Prednisolone Therapy in Children with Mild to Moderate Acute Asthma? A Randomized Controlled Trial. *Journal of Pediatrics* 2009; **155**: 795-800.
22. Howard AW, Macarthur C, Rothman L, **Willan AR**, Macpherson AK. School playground surfacing and arm fractures in children: a cluster randomized trial comparing sand to wood chip surfaces. *PLoS Med* **6(12)**: e1000195. doi:10.1371/journal.pmed.1000195.
23. Eckermann S, Coory M, **Willan AR**. Indirect comparison: relative risk fallacies and odds solution. *Journal of Clinical Epidemiology* 2009; **62**: 1031-1036.
24. **Willan AR**, Eckermann S. Optimal clinical trial design using value of information methods with imperfect implementation. *Health Economics* 2010 **19**: 549-561.
25. **Willan AR**. The use of value of information methods in the design and evaluation of clinical trials. In *Economic Evaluation in Child Health*. Ungar WJ. (ed) Oxford University Press, 2010.
26. Eckermann S, Karnon J, **Willan AR**. The value of Value of Information: best informing research design and prioritization using current methods. *Pharmacoeconomics* 2010; **28**: 699-709.
27. Asztalos EV, Murphy KE, Hannah ME, **Willan AR** *et al.* Multiple courses of antenatal corticosteroids for preterm birth study: 2-Year outcomes. *Pediatrics* 2010; DOI: <http://dx.doi.org/10.1542/peds.2010-0857>.
28. Eckermann S, Coory M, **Willan AR**. Consistently estimating risk difference when translating evidence to jurisdiction of interest. *Pharmacoeconomics* 2011; **29(2)**: 87-96.
29. Hossain A, Beyene J, **Willan AR**, Hu P. Approximate Likelihood ratio test for detecting differential expression in microarray data. *Computational Statistics and Data Analysis* 2009; **53(10)**: 3685-3695.
30. Abrahamyan L, Beyene J, Feng JY, Chon Y, **Willan AR**, Schmelting H, Horneff G, Keystone EC, Feldman BM. Response times follow lognormal or gamma distribution in arthritis patients. *Journal of Clinical Epidemiology* 2010; **63(12)**: 1363-1369.
31. Abrahamyan L, Li CS, Beyene J, **Willan AR**, Feldman BM. The impact of survival distributions on the power of randomized clinical trials. *Journal of Clinical Epidemiology* 2011; **64(3)**: 286-292.

32. Boutis K, **Willan AR**, Babyn P, Goeree R, Howard A. A Randomized Controlled Trial of Cast Versus Splint In Children with Acceptably Angulated Wrist Fractures. *Canadian Medical Association Journal* 2010; **182**(14): 1507-1512.
33. Harris SB, Kapor J, Lank CN, **Willan AR**, Houston T. Clinical inertia in patients with T2DM requiring insulin in family practice. *Canadian Family Physician* 2010; **56**: e418- e424.
34. von Keyserlingk C, Boutis K, **Willan AR**, Hopkins R, Goeree R. Cost-Effectiveness Analysis of Cast Versus Splint In Children with Acceptably Angulated Wrist Fractures. *International Journal of Technology assessment in Health Care* 2011; DOI: <http://dx.doi.org/10.1017/S0266462311000067>.
35. Eckermann S, **Willan AR**. Presenting and summarizing cost and effect evidence to best inform inference and societal decision making when comparing multiple strategies. *PharmacoEconomics* 2011; **29**(7):563-577.
36. Pullenayegum EM, **Willan AR**. Marginal models for censored longitudinal cost data: appropriate working variance matrices in inverse-probability-weighted GEEs can improve precision. *International Journal of Biostatistics* 2011; **7**(1); www.bepress.com/ijb/vol7/iss1/14.
37. Murphy KE, Hannah ME, **Willan AR** *et al*. Maternal Side-effects after multiple courses of antenatal corticosteroids (MACS): The three-month follow-up of women in the randomized controlled trial of MACS for preterm birth study. *J Obstet Gynaecol Can* 2011; **33**(9):909–921.
38. **Willan AR**. Sample size determination for cost-effectiveness trials. *PharmacoEconomics* 2011; **29**(11):933-949.
39. Freedman SB, Parkin PC, **Willan AR**, Schuh S. Rapid versus standard intravenous rehydration in paediatric gastroenteritis: pragmatic blinded randomised clinical trial. *BMJ* 2011; 343: bmj.d6976.
40. **Willan AR**, Eckermann S. Accounting for between-study variation in value of information methodology. *Health Economics* 2012; DOI: <http://dx.doi.org/10.1002/hec.1781>.
41. Murphy KE, **Willan AR**, Hannah ME *et al*. Effect of Antenatal Corticosteroids on Fetal Growth and Gestational Age at Birth *Obstetrics & Gynecology* 2012; **19**(5): 917-923.
42. Feldman B, Berger K, Bohn R, Carcao M, Fischer K, Gringeri A, Hoots K, Mantovani L, **Willan AR**, Schramm W. Hemophilia prophylaxis: how can we justify the costs? *Haemophilia* 2012; **1**(5) DOI: <http://dx.doi.org/10.1111/j.1365-2516.2012.02790.x>.
43. **Willan AR**, Eckermann S. Expected value of information and pricing new health care interventions. *PharmacoEconomics* 2012; **30**(6): 447-459.
44. **Willan AR**, Goeree R, Boutis K. Value of Information methods for planning and analyzing clinical studies optimize decision making and research planning. *Journal of Clinical Epidemiology* 2012; DOI: <http://dx.doi.org/10.1016/j.jclinepi.2012.01.017>.