

Curriculum Vitae

Steven Edward Hanna

EDUCATION

- Ph.D. University of Western Ontario (Psychology) 1998
London Ontario Canada
Personal Relevance, Comparative Context, and Uncertainty Orientation as Determinants of Perceived Ingroup Homogeneity
- M.A. University of Western Ontario (Psychology) 1992
London Ontario Canada
- B.Sc. University of Toronto (Psychology) 1987
Toronto Canada

CURRENT STATUS

Associate Professor

Department of Clinical Epidemiology and Biostatistics, McMaster University

Associate Professor (joint appointment)

School of Rehabilitation Science, McMaster University

Assistant Dean, Health Research Methods Program

Faculty of Health Science, McMaster University.

Investigator

CanChild Centre for Childhood Disability Research, McMaster University.

PROFESSIONAL ORGANIZATIONS

- Canadian Mathematical Society 2002-2004
Canadian Statistical Society 2002-2004
International Biometric Society, Eastern North American Region 2000 – present
AGREE Collaboration 2002–2003
Guidelines International Network 2003 – present

EMPLOYMENT HISTORY

Academic Appointments

Associate Professor

2006 – present

Department of Clinical Epidemiology and Biostatistics
and School of Rehabilitation Science (Joint Appointment)
McMaster University, Hamilton, Canada.

Assistant Professor

2001 – 2006

Department of Clinical Epidemiology and Biostatistics
and School of Rehabilitation Science (Joint Appointment)
McMaster University, Hamilton, Canada.

Lecturer 1994 – 1997
Department of Psychology
University of Western Ontario, London, Canada

Teaching Assistant 1990 – 1996
Department of Psychology
University of Western Ontario, London, Canada

Research Appointments
Investigator 1999 – present
CanChild Centre for Childhood Disability Research
McMaster University, Hamilton, Canada

Research Biostatistician 1997 – 2001
CanChild Centre for Childhood Disability Research
McMaster University, Hamilton, Canada

Research Associate 1997
Health Information Research Unit,
McMaster University, Hamilton, Canada

Research Assistant 1987 – 1990
Department of Psychology
University of Western Ontario, London, Canada

Selected Statistical and Methodological Consulting (2000 to present)
Alberta Cancer Board
Appraisal of Guidelines for Research and Evaluation in Europe (AGREE) Collaboration
Guidelines
Argyle/Glen Cairn Community Health Centre Steering Committee, London, Canada.
Program in Evidence Based Care, Cancer Care Ontario

SCHOLARLY AND PROFESSIONAL ACTIVITIES

Editorial Board
BMC Implementation Science 2005 - present

Statistical Advisor (Editorial Board)
Physical Therapy: Journal of the American Physical Therapy
Association 02/ 2007 - present
Developmental Medicine and Child Neurology 06/2008 - present

Journal Referee (selected)

(2001-present)

Child: Care, Health, and Development
Developmental Medicine and Child Neurology
BMC Implementation Science
Pediatrics
Quality of Life Research
Physical Therapy
Archives of Pediatric Medicine and Rehabilitation
Journal of Developmental and Behavioral Pediatrics

AREAS OF INTEREST

Research

1. Statistical methods for longitudinal data, multivariable causal models, latent variable models, multilevel modelling.
2. Child development, childhood disability, psycho-social development.
3. Knowledge translation; Uptake of clinical practice guidelines
4. Social and psychological aspects of health
5. Measurement in rehabilitation.

Teaching

1. Biostatistics
2. Research methods in health
3. Social psychology

Consulting

1. Biostatistics
2. Research methods in health
3. Measurement in health and medicine

HONOURS AND AWARDS

(For teaching awards, see EDUCATIONAL HONORS AND AWARDS)

Centre of Excellence for Early Childhood Development 2003

Top 10 articles on early childhood development by a Canadian researcher for the manuscript:

Rosenbaum PL, Walter SD, Hanna SE, Palisano RJ, Russell DJ, Raina P, Wood E, Bartlett DJ, Galuppi BE (2002). Prognosis for gross motor function in cerebral palsy: Creation of motor development curves. *JAMA*, 288 (11), 1357–1363

American Academy of Cerebral Palsy and Developmental Medicine 2003

Gayle G. Arnold Award for Excellence in the Care of Children with Cerebral Palsy, for the outstanding manuscript:

Rosenbaum PL, Walter SD, Hanna SE, Palisano RJ, Russell DJ, Raina P, Wood E, Bartlett DJ, Galuppi BE (2002). Prognosis for gross motor

Steven E. Hanna

function in cerebral palsy: Creation of motor development curves.
JAMA, 288 (11), 1357–1363.

\$6000: University of Western Ontario
UWO Graduate Tuition Scholarship 1995 – 1996

\$45,000: Social Science and Humanities Research Council
SSHRC Graduate Fellowship 1993 – 1996

\$12,000: Ontario Ministry of Training, Colleges, and Universities 1992 – 1993 Ontario Graduate Scholarship

\$3000: University of Western Ontario
UWO Ph.D. Admission Scholarship 1992 – 1995

EDUCATIONAL CONTRIBUTIONS

COURSES TAUGHT (Last 5 Years)

McMaster University

2009–2010

Graduate

HRM 723	Regression Analysis (Course Coordinator, & Lecturer 14 Sessions)	Winter (yearly)
HRM 739	Biostatistical Collaboration (1 session + mentor)	January (yearly)
HRM 733	Statistical and Methodologic Issues in Controlled Clinical Trials (1 Session)	

2008–2009

Graduate

HRM 723	Regression Analysis (Course Coordinator, & Lecturer 14 Sessions)	Winter (yearly)
HRM 739	Biostatistical Collaboration (1 session + mentor)	January (yearly)
CHS(OT) 748	Research and Practice: Inquiry Seminar (plenary resource speaker – 2 Sessions)	September (yearly)
HRM 733	Statistical and Methodologic Issues in Controlled Clinical Trials (1 Session)	March

2007–2008

Graduate

HRM 739	ON LEAVE	
HRM 739	Biostatistical Collaboration (1 session)	January (yearly)

2006–2007

Graduate

HRM 731	Advanced Linear Models for Health Data (Course Coordinator & Lecturer 14 Sessions)	Winter (yearly)
HRM 739	Biostatistical Collaboration (1 session)	January 2007
CHS(OT) 748	Research and Practice: Inquiry Seminar (plenary resource speaker – 2 Sessions)	Sep 25 & Sep 26

2005–2006

Graduate

HRM 731	Advanced Linear Models for Health Data (Course Coordinator & Lecturer 14 Sessions)	Winter (yearly)
CHS(OT) 748	Research and Practice: Inquiry Seminar (plenary resource speaker – 2 Sessions)	Sep 26 & Sep 27
ECON 700	Advanced Inquiry (Lecturer 1 Session)	January 16/06

2004–2005

Graduate

HRM 701	Introduction to Biostatistics (Instructor – 14 Sessions)	Fall (yearly)
---------	--	---------------

Steven E. Hanna

HRM 731	Special Topics in the Analysis of Health Studies (Course Coordinator & Lecturer 10 Sessions)	Winter (yearly)
CHS(OT) 748	Research and Practice: Inquiry Seminar (plenary resource speaker – 2 Sessions)	Sep 27 & Sep 28
ECON 700	Advanced Inquiry (1 Session)	January 24/05

2003–2004

Graduate

HRM 731	Special Topics in the Analysis of Health Studies (Course Coordinator & Lecturer 9 Sessions)	Winter (yearly)
CHS(OT) 748	Research and Practice: Inquiry Seminar (plenary resource speaker – 2 Sessions)	Jan 12 & Jan 19

COURSES DEVELOPED

HRM 723	Regression Analysis Course redesign	2008/09
HRM 731	Special topics in the analysis of health data. Led course development (with H. Shannon and G. Norman)	2002/03
CHS(RS) 704	Independent Study – Theories in social psychology applied to nursing for stroke care. (student, Susan Barreca)	2002/03
CHS(OT) 748	Introduction to statistical thinking for health research. A self- contained 2 session module in this evidence-based practice course.	2001

EDUCATIONAL HONOURS AND AWARDS

<i>Nomination: Teaching Excellence Awards</i>	2001-2002
Clinical Epidemiology and Biostatistics, McMaster University	2002-2003
	2004-2006

ACADEMIC SUPERVISION

HRM = Graduate Programme in Health Research Methodology
 FHS = Faculty of Health Sciences
 RS = Graduate Programme in Clinical Health Sciences (Rehabilitation Science)

Ph.D. Thesis Supervisor

<u>Anne Philipneri</u> , HRM, FHS, McMaster University	in progress
<u>Piush Mandhane</u> , HRM, FHS, McMaster University	05-2009

Ph.D. Advisory Committees

<u>Dawn Kingston</u> , Nursing, FHS, McMaster University	11-2009
<u>Gina Agarwal</u> , HRM, FHS, McMaster University	in progress
<u>Carri Hand</u> , RS, FHS, McMaster University	in progress
<u>Terry Bennett</u> , HRM, FHS, McMaster University	in progress
<u>Stelios Georgiades</u> , HRM, FHS, McMaster University	in progress
<u>Divya Joshi</u> , HRM, FHS, McMaster University	in progress

Ph.D. Comprehensive Examination Committee or Supervisor

<u>Qing Guo</u> , HRM, FHS, McMaster	07/09–03/10
<u>Deb Almost</u> , HRM, FHS, McMaster University	05/08 – 05/09
<u>Masako Tanaka</u> , HRM, FHS, McMaster University	05-2007
<u>Meredith Young</u> , Psychology, Faculty of Science, McMaster	01/07 – 04/07
<u>Jessie Miller</u> , Psychology, Faculty of Science, McMaster	09/05 – 02/06
<u>Afisi Ismaila</u> , HRM, FHS, McMaster University	09-2005
<u>Rochelle Martin</u> , HRM, FHS, McMaster University	05-2004
<u>Gillian Mulvale</u> , HRM, FHS, McMaster University	06-2003
<u>Susan Whittaker</u> , HRM, FHS, McMaster University	01-2002

PhD External Examiner

<u>Ruth Barclay-Goddard</u> , Dept. of Community Health Sciences, University of Manitoba	08-2008
---	---------

MSc. Thesis Supervisor

<u>Marilyn Swinton</u> , HRM, FHS, McMaster University	05-2007
<u>Piush Mandhane</u> , HRM, FHS, McMaster University	transferred to PhD

MSc. Faculty Advisor

<u>Dayle McCauly</u> , HRM, FHS, McMaster University	in progress
<u>Mona Abdel-Motogaly</u> , HRM, FHS, McMaster University	06-2008
<u>Eyal Cohen</u> , HRM, FHS, McMaster University	07-2007
<u>Patricia Hurley</u> , HRM, FHS, McMaster University	10-2007
<u>Marilyn Swinton</u> , HRM, FHS, McMaster University	05-2007

MSc. Advisory Committees

<u>Stephanie Glegg</u> , University of British Columbia	in progress
<u>Jennifer Yee</u> , HRM, FHS, McMaster University	09-2007

Steven E. Hanna

<u>Ruth Sirur</u> , RS, FHS, McMaster University	07-2007
<u>Danielle Levac</u> , RS, FHS, McMaster University	06-2007
<u>Debika Burman</u> , HRM, FHS, McMaster University	07-2006
<u>Kim Whibbs</u> HRM, FHS, McMaster University	01-2007
<u>Patricia Hurley</u> HRM, FHS, McMaster University	10-2007
<u>Lisa Rivard</u> , RS, FHS, McMaster University	08-2005
<u>Gissele Damiani</u> , HRM, FHS, McMaster University	03-2004
<u>Julie Vohra</u> , HRM, FHS, McMaster University	09-2003
<u>Anjali Kundi</u> , HRM, FHS, McMaster University	changed program
<u>Kerry Wynn</u> , RS, FHS, McMaster University.	07-2003
<u>Carri Hand</u> , RS, FHS, McMaster University	06-2003
<u>Deborah Kennedy</u> , RS, FHS, McMaster University	09-2003
<u>Brenda Lammi</u> , RS, FHS, McMaster University	09-2002
<i>MSc. Thesis Examining Committees (External Examiner)</i>	
<u>Jason Millward</u> , Neurosci Beh Sci, Med Sci, FHS, McMaster U.	09-2001
<i>MSc. Scholarly Paper - Reader</i>	
Marilyn Wright, HRM, FHS, McMaster University	08-2008
John Oudyk, HRM, FHS, McMaster University	11-2005
Mona Abdel-Motogaly, HRM, FHS, McMaster University	03-2008
<i>BSc Honours Thesis Supervisor</i>	
<u>Jacquee Thompson-Kenny</u> , Psychology, U Western Ontario	1993-94

EDUCATIONAL ADMINISTRATION

(Also listed under general Administrative Contributions)

Assistant Dean, Health Research Methods Graduate Programs Oct 2009 – Jun 2013

Faculty of Health Sciences and Dept. of Clinical Epidemiology & Biostatistics

including service *ex officio*:

Faculty of Health Science

Graduate Policy and Curriculum Committee

FHS Graduate Executive Committee

Clinical Investigator Program Committee

Department of Clinical Epidemiology and Biostatistics

Departmental Appointments Committee

Departmental Steering Committee

Board of Comprehensive Examination Chairs, HRM

PhD Admission Committee, HRM

MSc Admission Committee, HRM

Curriculum Committee, HRM

Community Medicine Residency Program Committee

Acting Director, Health Research Methods Graduate Programs Jul 2008 – Mar 2009

Department of Clinical Epidemiology and Biostatistics

Elected Member, Graduate Policy & Curriculum Committee 2005 – 2008

Faculty of Health Science

Member, Graduate Scholarships Selection Committee 2004 – 2007

Faculty of Health Science

Member, Special Events Committee Nov 2005 – Jun 2007

Department of Clinical Epidemiology and Biostatistics

Member, MSc Admissions Committee Dec 2002 – Jul 2004

Health Research Methodology Program

Member, Selection Committee for the Associate Dean of Graduate Studies,
(FHS), Faculty of Health Science Jan – Jun 2009

RESEARCH CONTRIBUTIONS

RESEARCH FUNDING

* indicates principal investigators.

Peer Reviewed Funding

\$ 455,934 June 2010 – May 2014

Canadian Institutes of Health Research

Evaluating Knowledge-Translation Platforms in Low- and Middle-Income Countries.
Lavis JN*, El-Jardali F, Hanna SE, Ongolo-Zogo P, Pantoja T, Saleh N, Sewankambo NK,

\$ 553,363 Oct 2009 – Sep 2012

Canadian Institutes of Health Research

Innovations to enhance the capacity of practice guidelines to improve health and healthcare systems: AGREE Application Appropriateness Action (AGREE A3).
Brouwers MC*, Browman GP, Burgers JS, Cluzeau FA, Fervers B, Gagliardi AR, Grimshaw JM, Hanna SE, Levinson AJ, Schunemann HJ, Zitzelsberger LA.

\$ 37,643 Oct 2009 – Sep 2012

Canadian Institutes of Health Research

Moving research into practice using Knowledge Brokers: Disseminating the results for implementation
Russell DJ, Rosenbaum PL, Bartlett DJ, Cameron D, Darrah JM, Gorter JW, Hanna SE, Roxborough, LA, Walter SD.

\$581,304 Oct 2008 – Sep 2011

Canadian Institutes of Health Research

Canada PRIME Plus: Canada Prime Plus: Selecting individual and organizational theories for interventions to change clinical practice
Grimshaw JM*, Brouwers M, Driedger S, Eccles M, Godin G, Graham I, Hanna S, Harrison M, Hux J, Johnston M, Legare F, Lemyre L, Logan J, Pomey M, Zwarenstein M.

\$948,328 (SSHRC) + \$1,337,000 (partnership) Sept. 2007 – Dec. 2012

Social Science and Humanities Research Council of Canada

Promoting physical activity in the spinal cord injury community: Development, mobilization, and assessment of an evidence-based approach.
Martin-Ginis K*, Latimer A, Hicks A, Wolfe D, Ditor D, Faulkner G, Prapavessis H, Hayes K, Brawley L, Letts L, Bray S, Hanna S.

\$217,211 June 2007 – Dec. 2009

Canadian Institutes of Health Research

AGREE next steps, Phase II (Renewal)
Brouwers MC*, Browman GP, Burgers JS, Cluzeau FA, Davis DA, Feder GA, Fervers B, Grimshaw J, Hanna SE.

\$400,000 June 2007 – July 2010

Canadian Institutes of Health Research

Lifecycle of Evidence in Health Care (Renewal)

- Grimshaw J*, Graham ID, Hanna SE, O'Rourke KF, Reaume MN, , Grunfeld E,
Coyle DA, Stern HS, Brouwers MC, Maroun JA
\$290,558 Oct 2006 – Apr 2009
Canadian Institutes of Health Research
Examining the co-occurrence of psychological problems in a population-based sample of children with developmental coordination disorder.
Missiuna C*, Cairny J*, Hanna SE, Heath N, Law M, MacDonald K,
Petrenchik T, Pollock N, Russell D, Schmidt L.
\$338,098 Oct 2006 – July 2010
Canadian Institutes of Health Research
Moving motor growth research into clinical practice: Do knowledge brokers make a difference.
Russell D*, Bartlett D, Hanna SE, Walter SD, Rosenbaum PR.
\$365,645 Oct 2005 – Dec 2009
Canadian Institutes of Health Research
Trajectories and consequences: Longterm outcomes of children and youth and their families after acquired brain injury.
Hanna SE*, DeMatteo C*, Law M, Scott L, Newman A, Mahoney W.
\$145,000 Oct 2005 – Oct 2007
Canadian Institutes of Health Research
AGREE next steps: Continuous quality improvement in the evaluation of clinical practice guidelines.
Brouwers M*, Browman, Burgers, Hanna SE et al.
\$48,806 June 2005 – June 2006
Ontario Neurotrauma Foundation
Establishing valid criteria for classification of mild traumatic brain injury in children.
Hanna SE*, DeMatteo C*, Law M, Scott L, Newman A, Mahoney W, Hollenberg R.
\$378,244 July 2004 – March 2008
Canadian Institutes of Health Research
Long term impacts of severe West Nile virus infection: A cohort study.
Loeb MB*, Drebot MA, Elliott SJ, Eyles JD, Fearson M, Hanna SE, Mahony JB, Nicolle LE, Rathbone MP.
\$498,207 March 2004 – March 2007
Canadian Institutes of Health Research
Canada PRIME: PROcess modelling in impleMEntation research: Exploring the theoretical basis of organizational and health care professional behaviour and behaviour change.
Grimshaw JM*, Brouwers M, Driedger S, Eccles M, Godin G, Graham I, Hanna S, Harrison M, Hux J, Johnston M, Legare F, Lemyre L, Logan J, Pomey M, Zwarenstein M.
\$7,500 January 2004
Canadian Institutes of Health Research
Workshop proposal; Understanding the risk and protective factors that influence outcomes in children with DCD.
Missiuna C*, Law M, Hanna S, Stewart D, Pollock N.
\$161,174 June 2003 – July 2006

Canadian Institutes of Health Research

Knowledge development, exchange, and uptake: A new roadmap from evidence to practice in oncology.

Hanna SE*, Brouwers MC*, Graham ID, Browman GP, Grimshaw J, Evans WK.

\$555,717

June 2003 – July 2006

Canadian Institutes of Health Research

Evaluating the evidence on knowledge brokers: Comparing strategies to support decision makers' translation of evidence on physical activity and health body weight among children.

Dobbins MJ*, Cameron RA, Ciliska DK, DeCorby KL, Green LW, Hanna SE, Manske SR, Mercer SL, Mills CJ, O'Mara L, Thomas H.

\$750,000

April 2003 – April 2008

Canadian Institutes of Health Research

Building Capacity: Development of a transdisciplinary team for improving the quality of health care.

Grimshaw J*, Graham I*, Hanna SE and 12 others.

\$286,857

January 2003 – July 2005

Canadian Institutes of Health Research

The Lifecycle of Evidence in Cancer Care.

Grimshaw J*, Evans WK, Hanna SE, O'Rourke KF, Reaume MN, Graham ID, Grunfeld E, Coyle DA, Stern HS, Brouwers MC, Maroun JA

\$79,078

May 2002 – May 2003

Ontario Neurotrauma Foundation

Cognitive Intervention for Children with Traumatic Brain Injury.

Missiuna C*, Mandich A, DeMatteo C, Hanna S, Law M, Mahoney W, & Scott L.

\$998,000

January 2002 – January 2007

Canadian Institutes of Health Research

Adolescents with Cerebral Palsy: What happens to Mobility and Self-Care?''.

Rosenbaum PR*, Bartlett D, Hanna SE, O'Donnell M, Palisano R, Russell D, Walter S, Wood E.

\$186,500

May 2001 – May/2004

Ontario Neurotrauma Foundation

Transitions experienced by children and their families after acquired brain injury.

Hanna S*, DeMatteo C*, Law M, Mahoney B, Newman A, Scott L, Cupido C, Rosenbaum P.

\$124,149

May 2001 – May 2003

Hospital for Sick Children Foundation

Welcome Home: Functional outcomes, perception of care and cost for children and youth receiving home and community-based occupational therapy services.

Law MC*, McColl MA*, Wilkins S*, Pollock N, Stewart D, Majnemer A, Hanna SE, Birch S, LaPorta J, Donaldson S.

\$131,000 May 2001 – June 2003

Social Sciences and Humanities Research Council

Neighbourhood characteristics and home care utilization.

Hutchison B*, Abernathy T, Birch S, Eyles J, Hurley J, Jerrett M, Hanna SE

\$1,700,537 2000 – 2003

National Institutes of Health, USA

The participation of children with physical disabilities.

Law M*, King G*, Rosenbaum P, Kertoy M, King S, Young N, Hanna S.

\$125,000 2000-2003

Max Bell Foundation (matching funds for Hospital for Sick Children Foundation Grant above.)

Welcome home: Continuity of care, cost and functional outcomes for persons with disabilities receiving home care services.

Law M*, McColl MA*, Wilkins S*, Martin P, Donaldson S, Majnemer A, Doble S, Wilson B, Hanna S. Pollock N, Krupa T, Letts L, Stewart D, Bosch J, Birch S, Anderson M, Parent K, Laporta J.

\$940,000 1997 – 2002

US National Institutes of Health (R01-HD-34947)

Development of Gross Motor Function in Children with Cerebral Palsy: Creation of 'Motor Growth Curves'

Rosenbaum P*, Palisano R, Walter S, Russell D, Wood E, Raina P, Hanna S

Non-Peer Reviewed Funding

\$526,500 March 2008 – March 2009

Ontario Ministry of Health and Long Term Care.

CanChild Centre for Childhood Disability Research.

Missiuna C*, Rosenbaum P, Law M, Russell D, Gorter J, Kertoy M, Wright V, Hanna S, Bartlett D, Cairney J, Dematteo C, Gaines R, Klassen A, Palisano B, Petrenchik T, Pollock N, Stewart D, Walter S.

\$426,000 March 2007 – March 2008

Ontario Ministry of Health and Long Term Care.

CanChild Centre for Childhood Disability Research.

Missiuna C*, Law M, Rosenbaum P, Hanna S, Russell D, Petrenchik P, Bartlett D, Stewart D, Kertoy M, Walter S, Palisano B.

\$426,000 March 2006 – March 2007

Ontario Ministry of Health and Long Term Care.

CanChild Centre for Childhood Disability Research.

Law M*, Rosenbaum P*, Missiuna C, Walter S, Stewart D, Hanna S, Petrenchik T, Russell D, Kertoy M, Bartlett D & Palisano B.

\$426,000 March 2005 – March 2006

Ontario Ministry of Health and Long Term Care.

CanChild Centre for Childhood Disability Research.

Law, M*., Rosenbaum, P*., Missiuna, C., Walter, S., Palisano, B., Stewart, D., Kertoy, M., Hanna, S., Russell, D. & Petrenchik, T.

- \$426,000 March 2004 – March 2005
Ontario Ministry of Health and Long Term Care.
CanChild Centre for Childhood Disability Research.
Law M*, Rosenbaum P*, Missiuna C*, Walter S*, Pollock N, Palisano B,
Stewart D, Hanna S, Kertoy M, Russell D, King S.
- \$426,000 March 2003 – March 2004
Ontario Ministry of Health and Long Term Care.
CanChild Centre for Childhood Disability Research.
Law M*, Rosenbaum P*, Missiuna C*, Walter S*, Pollock N, Palisano B,
Stewart D, Hanna S, Kertoy M, Russell D, King S.
- \$5,000 January 2004 – March 2005
Easter Seals Society of Ontario
Enhancing outcome measurement
Hanna SE*, Swinton M.
- \$7,575 May 2003 – May 2004
Jack and Ina Pollock Charitable Foundation
Knowledge Translation for Measurement in Pediatric Physical Therapy
Russell D*, Bartlett D, Rosenbaum P, Hanna SE
- \$10,000 May 2001 – May 2002
Jack and Ina Pollock Charitable Foundation
Interpreting outcome measures in pediatric rehabilitation: A pilot project.
Hanna SE*, Russell D, Bartlett D, Rosenbaum P, Kertoy M.
- \$56,000 1999-2000
Waterloo Rotary Children's Centre
Evaluation of emerging program initiatives.
Law M*, Rosenbaum P, Pollock N, Russell D, Stewart D, Hanna S

PUBLICATIONS

Peer Reviewed Journal Articles (60 Published or In Press)

Accepted and In Press

1. Brouwers M, Kho M, Browman G, Burgers J, Cluzeau F, Feder G, Fevers B, Hanna SE, Makarski J. AGREE II: Advancing guideline development, reporting and evaluation in healthcare. *CMAJ*.

2010

2. Missiuna C, DeMatteo C, Hanna S, et al. Cognitive intervention for children with acquired brain injury. *Physical & Occupational Therapy in Pediatrics* 2010 30(3):205–219.
3. Brouwers MC, Kho ME, Browman GP, Burgers JS, Cluzeau F, Feder G, Fevers B, Graham ID, Hanna SE, Makarski J. Development of the AGREE II, part 1:

- Performance, Usefulness and Areas for Improvement. *CMAJ* 2010 182: 1045–1052.
4. Brouwers M, Kho M, Browman G, Burgers J, Cluzeau F, Feder G, Fevers B, Graham I, Hanna SE, Makarski J. Development of the AGREE II, part 2: Validity Assessment of Items and Tools To Support Application. *CMAJ* 2010 182: E472–E478. available online at <http://www.ecmaj.com/cgi/content/full/182/10/E472>
 5. Bartlett, Hanna, Avery, Stevenson, Galuppi. Correlates of decline in gross motor capacity of youth with cerebral palsy in GMFCS Levels III, IV, and V. *Developmental Medicine & Child Neurology*. epub ahead of print, available at <http://www3.interscience.wiley.com/journal/123301775/abstract?CRETRY=1&SRETRY=0>
 6. DeMatteo C, Hanna S, Mahoney W, Hollenberg R, Scott L, Law M, Newman A, Lin, C-Y, Xu L. "My child doesn't have a brain injury, he only has a concussion": Understanding how clinicians use the word "concussion" in pediatric hospitals, *Pediatrics*, 2010, 125:327–334. (see also news media citations)

2009

7. Mandhane PJ, Hanna SE, Inman MD, Duncan JM, Greene JM, Wang H, Sears MR. Changes in exhaled nitric oxide related to estrogen and progesterone during the menstrual cycle. *Chest*. available online ahead of print at: <http://chestjournal.chestpubs.org/content/136/5/1301.full?sid=0e76fcaa-456a-4481-b5ba-06b9b7c3d1a5>
8. Russell DJ, Avery L, Walter SD, Hanna SE, Bartlett D, Rosenbaum PL, Palisano R, Gorter JW. Development and validation of item sets for the GMFM-66 to improve efficiency of administration in children with cerebral palsy, *Developmental Medicine & Child Neurology*, 2009,52(2):e48–e54. available online at <http://www3.interscience.wiley.com/cgi-bin/fulltext/122625486/HTMLSTART>
9. Palisano R, Hanna SE, Rosenbaum PL, Tieman B. Probability of walking, wheeled mobility, and assisted mobility for children and youth with cerebral palsy, *Developmental Medicine & Child Neurology*, 2009,52(1):66-71. avail online at <http://www3.interscience.wiley.com/cgi-bin/fulltext/122580308/HTMLSTART>
10. Dobbins M, Hanna S, Ciliska D, Manske S, Cameron R, et al. A randomized controlled trial evaluating the impact of knowledge translation and exchange strategies. *Implementation Science* 2009, 4:61 (23 September 2009), available online at www.implementationscience.com/content/4/1/61
11. Brouwers MC, Hanna SE, Abdel-Motagally M, Yee J. Clinicians' evaluations of, endorsements of, and intentions to use practice guidelines change over time: a retrospective analysis from an organized guideline program. *Implementation Science*, 2009,4:34, available online at www.implementationscience.com/content/4/1/34
12. Miller JL, Vaillancourt T, Hanna SE. The Measurement of "Eating-Disorder-Thoughts" and "Eating-Disorder-Behaviors": Implications for Assessment and Detection of Eating Disorders in Epidemiological Studies. *Eating Behavior*, 2009,10:89–96.
13. Hanna SE, Rosenbaum PL, Bartlett DJ, Palisano RJ, Walter SD, Avery L, Russell DJ. Stability and decline in gross motor function among children and youth with

- cerebral palsy aged 2 to 21 years. *Developmental Medicine and Child Neurology*, 2009, 51: 295–302.
14. Dobbins M., Robeson P, Ciliska D, Hanna S, et al. A description of a knowledge broker role implemented as part of a randomized controlled trial evaluating three knowledge translation strategies. *Implementation Science* 2009;4:23, available online at www.implementationscience.com/content/4/1/23
 15. Sirur R, Richardson J, Wishart L, Hanna S. The role of theory in increasing adherence to prescribed practice. *Physiotherapy Canada*, 2009;61(2):68–77.

2008

16. Loeb M, Hanna S, Nicolle L, Eyles J, Elliott S, Rathbone M, Drebot M, Neupane B, Fearon M, Mahony J. Prognosis after West Nile virus infection: A longitudinal study. *Annals of Internal Medicine* 2008; 149(3), 232–241.
17. Thabane L, Walter SD, Hanna S, Goldsmith CH, Pullenayegum E. Developing a biostatistical collaboration course in a health science research methodology program. *Journal of Statistics Education* 2008; 16(2). Available online at <http://www.amstat.org/publications/jse/v16n2/thabane.html>
18. Hanna SE, Bartlett DJ, Rivard LM, Russell DJ. Reference curves for the gross motor function measure: Percentiles for clinical description and tracking over time among children with cerebral palsy. *Physical Therapy* 2008;88:596–607.
19. Levac D, DeMatteo C, Hanna S, Wishart L. Intra-individual variability in recovery from pediatric acquired brain injury: Relationship to outcomes at one year. *Developmental Neurorehabilitation* 2008;11(3):195–203
20. Kennedy D, Stratford P, Riddle D, Hanna S, Golish J. Assessing recovery and establishing prognosis following total knee arthroscopy. *Physical Therapy* 2008;28(1), 22–32.

2007 and Older

21. Rivard L, Missiuna C, Hanna S, Wishart L. Understanding Teachers' Perceptions of the Motor Difficulties of Children with Developmental Coordination Disorder (DCD). *British Journal of Educational Psychology* 2007;77(3):633–648.
22. Hanna SE, Russell DJ, Bartlett DJ, Kertoy ML, Rosenbaum PL, Wynn K. Measurement practices in pediatric rehabilitation: A survey of physical therapists, occupational therapists, and speech-language pathologists in Ontario. *Physical & Occupational Therapy in Pediatrics* 2007;27(2):25-42.
23. King GA, Law M, King S, Hurley P, Hanna S, Kertoy M, Rosenbaum P. Measuring children's participation in recreation and leisure activities: Construct validation of the CAPE and PAC. *Child: Care, Health, and Development* 2007 Jan;33(1):28-39.
24. Kennedy DM, Stratford PW, Hanna SE, Wessel J, Gollish JD. Modeling early recovery of physical function following hip and knee arthroplasty . *BMC Musculoskeletal Disorders*, 2006;7:100 Available online at: <http://www.biomedcentral.com/1471-2474/7/100>
25. King G, Law M, Hanna S, King S, Hurley P, Rosenbaum P, Kertoy M, Petrenchik T. Predictors of the leisure and recreation participation of children with physical

- disabilities: A structural equation modeling analysis. *Children's Health Care*, 2006;35(3):209–234.
26. Kennedy DM, Hanna SE, Stratford PW, Wessel J, Gollish JD. Preoperative Function and Gender Predict Outcome Following Hip and Knee Arthroplasty. *Journal of Arthroplasty*, 2006;21(4):559–566.
 27. Law M, King G, King S, Kertoy M, Hurley P, Rosenbaum P, Young N, Hanna S. Patterns of participation in recreational and leisure activities among children with complex physical disabilities. *Developmental Medicine and Child Neurology*, 2006;48:337-342.
 28. The Improved Clinical Effectiveness through Behavioural Research Group (ICEBeRG) [writing group, including Hanna SE]. Designing theoretically-informed implementation interventions, *Implementation Science*, 2006; 1:4 available at <http://www.implementationscience.com/content/pdf/1748-5908-1-4.pdf>
 29. Law M, Majnemer A, McColl MA, Bosch J, Hanna S, Wilkins S, Birch S, Telford, J, Stewart D. Home and community occupational therapy for children and youth: A before and after study. *Canadian Journal of Occupational Therapy*, 2005;5:xx-xx.
 30. Sakic B, Hanna S, Millward JM. Behavioral heterogeneity in an animal model of neuropsychiatric systemic lupus erythematosus. *Biological Psychiatry*, 2005;57:679–687.
 31. Brouwers MC, Johnston M, Charette M, Hanna S, Jadad A, Browman G. Evaluating the role of quality assessments of primary studies in systematic reviews of cancer practice guidelines. *BMC Medical Research Methodology*, 2005;5:8. Available electronically at <http://www.biomedcentral.com/1471-2288/5/8>
 32. Crowther MA, Cook DJ, Griffith LE, Meade M, Hanna S, Rabbat C, Bates SM, Geerts W, Johnston M, Guyatt G. Neither baseline tests of molecular hypercoagulability nor d-dimer levels predict deep venous thrombosis in critically ill medical-surgical patients. *Intensive Care Medicine*. 2005; 31(1):48–55
 33. Stratford PW, Hart DL, Binkley JM, Kennedy DM, Alcock GK, Hanna SE. Interpreting lower extremity functional status scores. *Physiotherapy Canada*, 2005;57:154–162.
 34. Brouwers MC, Graham ID, Hanna SE, Cameron DA, Browman GP. Clinician's assessments of practice guidelines in oncology: The CAPGO survey. *International Journal of Technology Assessment in Health Care*, 2004;20(4):421–426.
 35. Law M, Finkleman S, Hurley P, Rosenbaum R, King S, King G, Hanna S. Participation of children with physical disabilities: relationships with diagnosis, physical function, and demographic variables. *Scandinavian Journal of Occupational Therapy*, 2004;11: 156–162.
 36. Vohra J, Brazil K, Hanna S, Abelson J. Family perceptions of end of life care in long-term care facilities. *Journal of Palliative Care*, 2004;20(4):
 37. Brouwers MC, Sorrentino RM, Roney CHR, Hanna SE. Predicting the impact of trauma disclosure on physiological responses. *Journal of Social and Clinical Psychology*, 2004;5:697–715
 38. Stratford PW, Kennedy DM, Hanna SE. Condition-specific Western Ontario McMaster Osteoarthritis Index was not superior to region-specific Lower Extremity Functional Scale at detecting change. *Journal of Clinical Epidemiology*, 2004;10:1025–1032

39. Griffith L, Cook D, Hanna S, Rocker G, Sjokvist P, Dodek P, Marshall J, Levy M, Varon J, Finfer S, Jaeschke R, Buckingham L, Guyatt G for the Level of Care Investigators and the Canadian Critical Care Trials Group. Clinician discomfort with life support plans for mechanically ventilated patients. *Intensive Care Medicine*, 2004; 30: 1783-1790.
40. Stewart D, Law M, Russell D, Hanna S. Evaluating children's rehabilitation services: An application of a program evaluation approach. *Child: Care, Health, and Development*, 2004; 5:453-62.
41. Gorter JW, Rosenbaum PL, Hanna SE, Palisano RJ, Bartlett DJ, Russell DJ, Walter SD, Raina P, Galuppi BE, Wood E. Limb distribution, motor impairment and functional classification of cerebral palsy? *Developmental Medicine and Child Neurology*, 2004; Jul;46(7):461-7.
42. Wright MJ, Hanna SE, Halton JM, Barr RD. Maintenance of ankle range of motion in children treated for acute lymphoblastic leukemia. *Pediatric Physical Therapy*, 2003;15:146-152.
43. Law M, Hanna S, King G, Hurely P, King S, Kertoy M, Rosenbaum P. Factors affecting family-centred service delivery for children with disabilities. *Child: Care, Health, and Development*, 2003;29(5):357-366.
44. Stratford P, Hanna SE, Kennedy D, Alcock G. Hierarchical linear modeling: An effective analytic technique for examining change in clinical longitudinal data. *Physiotherapy Canada*, 2003;55:145-152.
45. Hanna SE, Law MC, Rosenbaum PL, King GA, Walter SD, Pollock N, Russell DJ. Development of hand function among children with cerebral palsy: Growth curve analysis for ages 16 to 70 months. *Developmental Medicine and Child Neurology* 2003;45:448-455. [Erratum, *Dev Med Child Neurol* 2003;45:357-360]
46. Elorriaga-Claraco A, Fargas-Babjak A, Hanna S. The reporting of clinical acupuncture research: What do clinicians need to know? *Journal of Alternative and Complimentary Medicine* 2003;9(1):143-149.
47. Elorriaga-Claraco A, Hanna S, Fargas-Babjak A. Reporting of clinical details in randomised control trials of acupuncture for the treatment of migraine/headaches and nausea/vomiting. *Journal of Alternative and Complimentary Medicine* 2003;9(1):151-159.
48. Burgers JS, Grol R, Klazinga NS, Mäkelä M, Zaat J, and the AGREE Collaboration. Towards evidence-based medicine? International survey of 19 clinical guideline programmes. *International Journal of Technology Assessment in Health* 2003;15(1):31-45.
49. Burgers JS, Cluzeau FA, Hanna SE, Hunt C, Grol R, and the AGREE Collaboration. Characteristics of high quality guidelines: Evaluation of 86 clinical guidelines developed in ten European countries and Canada. *International Journal of Technology Assessment in Health Care* 2003;19(1):148-157.
50. Law M, Hurley P, Russell D, King G, Hanna S. Selecting Outcomes Measures in Children's Rehabilitation: A Comparison of Methods. *Archives of Rehabilitation and Physical Medicine* 2003;84(4):469-499.
51. Palisano RJ, Tieman BL, Walter SD, Bartlett DJ, Rosenbaum PL, Russell DJ, Hanna SE. Effect of environmental setting on mobility methods of children with cerebral palsy. *Developmental Medicine and Child Neurology* 2003;45:113-120.

52. AGREE Collaboration. Development and validation of an international appraisal instrument for assessing the quality of clinical practice guidelines: The AGREE project. *Quality and Safety in Health Care* 2003;12:18-23.
53. Burgers JS, Bailey JV, Klazinga NS, Van der Bij AK, Grol R, Feder G, for the AGREE Collaboration. Inside guidelines: comparative analysis of recommendations and evidence in diabetes guidelines from 13 countries. *Diabetes Care* 2003;25:1933-1939.
54. Rosenbaum PL, Walter SD, Hanna SE, Palisano RJ, Russell DJ, Raina P, Wood E, Bartlett DJ, Galuppi BE. Prognosis for gross motor function in cerebral palsy: Creation of motor development curves. *JAMA* 2002;288(11):1357-1363.
55. Kennes J, Rosenbaum PL, Hanna SE, Walter SD, Russell DJ, Raina P, Bartlett DJ, Galuppi B (2002). Health status of school-aged children with cerebral palsy: Information from a population-based sample. *Developmental Medicine and Child Neurology* 2002;44:240-247.
56. Palisano RJ, Hanna SE, Rosenbaum PL, Russell DJ, et al. Validation of a Model of Motor Development for Children with Cerebral Palsy. *Physical Therapy* 2000;80(10):974-985.
57. The AGREE Collaboration. Guideline development in Europe: an international comparison. *International Journal for Technology Assessment in Health Care* 2000;16(4):1036-1046
58. Haynes RB, Hunt DL, Hanna SE, Smith K. Effects of computer-based clinical decision support systems on physician performance and patient outcomes: a systematic review. *JAMA* 1998;280(15):1339-1346.
59. Sorrentino RM, Brouwers MC, Hanna SE, & Roney CJR. The nature of the test taking situation: informational and affective influences on intelligence test performance. *Learning and Individual Differences* 1996;8(2):105-120.
60. Sorrentino RM, Holmes J, Hanna SE, & Sharpe A. Uncertainty orientation and trust in close relationships: Individual differences in cognitive style. *Journal of Personality and Social Psychology* 1995;68(2):314-327.

Peer Reviewed Abstracts in Journals and Proceedings (15)

1. DeMatteo C, Hanna S, Mahoney W, Law M, Abdel-Motagally M, Lin C, Yousefi-Nooraie R (2010). The Long-Term Quality of Life in Children, Youth, and Young Adults after Acquired Brain Injury [Abstract]. *Brain Injury*, 24(3), 418.
2. DeMatteo C, Hanna S, Mahoney W, Law M, Warriner E, Scott L, Lin C, Yousefi-Nooraie R (2010). Neuropsychological Outcomes in Children and Youth after Acquired Brain Injury: A Long-Term Perspective [Abstract]. *Brain Injury*, 24(3), 419-420.
3. Missiuna, C., Mandich, A., Dematteo, C., Law, M., & Hanna, S. (June, 2006). *Examining cognitive orientation to occupational performance for children with brain injury*. Canadian Journal of Occupational Therapy Conference Supplement, TX.
4. DeMatteo C, Hanna S, Scott L, Mahoney W, Law M, Rosenbaum P, Newman A (2005). Transitions experienced by children and their families after brain injury [Abstract]. *Brain Injury*, 19(Suppl.1), 97.

5. Scott L, DeMatteo C, Hanna S, Rosenbaum P, Law M, Mahoney W, Newman A (2005). Towards the identification of a developmental pathway of cognitive recovery from paediatric acquired brain injury [Abstract]. *Brain Injury*, 19(Suppl.1), 7.
6. Vohra J, Brazil K, Hanna S, Abelson J, Szala-Meneok K. Family Satisfaction with end-of-life care in long-term care facilities. *Palliative Medicine*, 2004, 18(4) 327.
7. Hanna SE, Brouwers MC, Graham ID, Browman GP. Predicting oncologists' endorsement of evidence-based clinical practice guidelines. *Proceedings of the American Association of Clinical Oncology Annual Meeting 2003*; Available from: <http://www.asco.org/ac/1,1003,12-002095,00.asp>
8. Brouwers MC, Graham ID, Hanna SE, Cameron DA, Browman GP, Meyer R. Measuring oncologists' perceptions of clinical practice guidelines: A new validated tool. *Proceedings of the American Association of Clinical Oncology Annual Meeting 2003*; Available from: <http://www.asco.org/ac/1,1003,12-002095,00.asp>
9. Law M, King G, King S, Kertoy M, Young N, Hanna S, Rosenbaum P, Hurley P. Participation patterns of children with physical disabilities. *Developmental Medicine and Child Neurology* 2003;45 Suppl 96:44.
10. Mahoney WJ, DeMatteo CA, Hanna SE, Rosenbaum PR, Law M (2003). Functional outcome of traumatic brain injury in children [Abstract]. *Brain Injury*, 17(Suppl.1), 88.
11. Brouwers M, Johnston M, Browman G, Charette M, Jadad A, Hanna S. Assessing study quality for systematic reviews: practical implications for developing evidence-based practice guidelines for cancer care. *BMC Meeting Abstracts: 9th International Cochrane Colloquium 2001*, 1:pc147 (26 August 2001), Available from: <http://www.biomedcentral.com/abstracts/COCHRANE/1/pc147/>
12. Hanna SE, Law MC, King G. Development of hand function in children with cerebral palsy: Growth curves for ages 16 to 70 months. *Developmental Medicine and Child Neurology* 2000;42 Suppl 83:46.
13. Palisano RJ, Rosenbaum PL, Hanna SE, Russell DJ, Walter SD, Wood E, Galuppi B. Motor development curves for children with cerebral palsy. *Developmental Medicine and Child Neurology* 2000;42 Suppl 83:7.
14. Engle L, Dhanni, T, Hanna S, Russell D, Rosenbaum, P. (2000). Health status and service utilization patterns in preschool children with cerebral palsy. . *Developmental Medicine and Child Neurology* 2000;42 Suppl 83:38.
15. Palisano RJ, Rosenbaum PL, Hanna SE, Russell DJ, Walter SD, Wood E, Galuppi B. Gross motor function growth curves for children with cerebral palsy. *Pediatric Physical Therapy* 1998;10:183.

Books, Not Peer Reviewed (1)

1. King G, Law M, King S, Hurley P, Hanna S, Kertoy M, Rosenbaum P, Young N (2004). *Children's Assessment of Participation and Enjoyment (CAPE) and Preferences for Activities of Children (PAC)*. San Antonio, TX: Harcourt Assessment, Inc.

Book Chapters, Not Peer Reviewed (2)

1. Sorrentino RM, Hanna SE, Roney CJR (1992). A manual for scoring need for uncertainty. In C.P. Smith (Ed.), *Motivation and Personality: Handbook of Thematic Analysis*. Cambridge: Cambridge University Press, (pp. 419-427).
2. Sorrentino RM, Roney CJR, Hanna SE (1992). Uncertainty orientation. In C.P. Smith (Ed.), *Motivation and Personality: Handbook of Thematic Analysis*. Cambridge: Cambridge University Press, (pp. 428-439).

Reports and Technical Documents, Not Peer Reviewed (12)

1. Russell, D., Teplicky, R., Cameron, D., Roxborough, L., Rosenbaum, P., Gorter, J. W., Darrah, J., Bartlett, D., Rivard, L., Walter, S., & Hanna, S. (2010). In Brief: Canadian child development organizations lead research in innovative supports for making practice changes based on evidence. Hamilton, ON: McMaster University, CanChild Centre for Childhood Disability Research.

2. Russell, D., Teplicky, R., Rosenbaum, P., Gorter, J. W., Cameron, D., Roxborough, L., Bartlett, D., Darrah, J., Rivard, L., Walter, S., & Hanna, S. (2010). In Brief: Knowledge brokers: A Model to support evidence-based changes in practice-teleconference summary. Hamilton, ON: McMaster University, CanChild Centre for Childhood Disability Research.
3. Hanna S, Law M (March 2006). Prevalence of children with complex special needs in Ontario: Issues in measurement and forecasting. Report to the Ontario Ministry of Children and Youth Services. *CanChild* Centre for Childhood Disability Research.
4. Hanna SE, Russell D, Bartlett D, Rosenbaum P, Kertoy M, Swinton M. (2005). *Clinical measurement: Practical guidelines for service providers*. **CanChild** Centre for Childhood Disability Research, McMaster University.
5. Rosenbaum PR, Jaffer S, Russell D, Law M, King S, Hanna S, Plews M. *Measuring outcomes for children with complex needs and their families: A report to the Ontario Ministry of Children and Youth Services*. (March 2005). **CanChild** Centre for Childhood Disability Research, McMaster University.
6. Law M, King G, Rosenbaum P, Kertoy M, King S, Young N, Hanna S, Hurley P (2005). *Participate Study Report*, **CanChild** Centre for Childhood Disability Research, McMaster University, available at <http://www.fhs.mcmaster.ca/canchild/>
7. Law M, Kertoy M, Teplicky R, Russell D, King S, Plews N, Hanna S, Missiuna C, Fysh A, Rosenbaum P (2004). *Keeping Current In... Knowledge Transfer in Health Care*, **CanChild** Centre for Childhood Disability Research, McMaster University, available at <http://www.fhs.mcmaster.ca/canchild/>
8. Law M, Hanna S, King G, Hurley P, King S, Kertoy M, Rosenbaum P (2003). *Children with disabilities in Ontario: A profile of children's services. Part 3: Factors affecting family-centred service delivery for children with disabilities*. **CanChild Centre for Childhood Disability Research, McMaster University**, available at <http://www.fhs.mcmaster.ca/canchild/>
9. Hanna SE (1999). *Power analysis for nonlinear motor growth curves in cerebral palsy*. *CanChild* Centre for Childhood Disability Research, McMaster University, Hamilton, Canada.
10. Hanna, S.E. (1998). *Evaluation of a "toolkit" for writing structured abstracts of clinical practice guidelines: Functionality and Reliability*. Health Information Research Unit, McMaster University, Hamilton, Canada.
11. Brouwers, M.C., Hanna, S.E., & The Argyle – Glen Cairn Steering Committee (December, 1995). *Argyle / Glen Cairn community health centre proposal*. Technical report submitted to Thames Valley District Health Council, London, Ontario.
12. Sorrentino RM, Hanna SE, Brouwers MC (1992). *A manual for scoring need for uncertainty: Revised edition*. Department of Psychology, University of Western Ontario, London, Canada.

Presentations at Meetings

Invited Presentations and Workshops (7)

1. DeMatteo C, Hanna S (2007). Establishing valid criteria for classification of MTBI in children. Ontario Neurotrauma Foundation – Presentations to the ABI Committee. Toronto, Ontario, Canada. August 27.
2. Hanna SE *SEM for Multilevel Designs in Health Research: The case of clinical decision-making for cancer care*. SPIDA 2006: Summer Programme in Data Analysis. Institute for Social Research, York University, Toronto Canada, May 8, 2005.
3. Hanna SE *Sampling and analysis plans for grant writing*. 2005 Summer Publication and Grant Writing Workshop, The Quality of Life Program in Rehabilitation Research, Sponsored by CIHR Institute of Musculoskeletal Health, McMaster University, and The University of British Columbia, Hamilton Ontario July 25–29, 2005.
4. Consulting Biostatistician, Enhancing Rehabilitation Research in the South (ERRIS), 2nd Annual Intensive Workshop on Grant Writing, Preparation, and Submission in Rehabilitation Research, Charlottesville, Virginia, January 31 – February 4, 2004.
5. Hanna SE *Reliability and the intraclass correlation*. Invited presentation at the 4th AGREE Workshop, Barcelona, Spain, March 2001.
6. Hanna SE *Mixed effects analysis of longitudinal data: Applications for developmental research*. Invited presentation in the Developmental Seminar Series, Department of Psychology, McMaster University, Hamilton, Canada, March 2001
7. Hanna, S.E. *Model building for multivariate data in health research*. Invited workshop, Department of Physical Therapy, MCP Hahnemann University, Philadelphia, May, 2000.

Contributed Presentations, Peer Reviewed (63)

1. Kingston, D., Hanna, S., Sword, W., Krueger, P., & Markle-Reid, M. (June, 2010). Pathways to prenatal maternal stress: Testing a life course model. Society for Perinatal and Pediatric Epidemiology, Seattle, Washington
2. O'Brien K, Hanna S et al., Exploring relationships between dimensions of disability: A revised measurement model (May 2010). 19th Annual Canadian Conference on HIV/AIDS Research, Saskatoon SK.
3. Matteo C, Hanna S, Mahoney W, Law M, Lin C, Yousefi-Nooraie R (2010). The Long-Term Quality of Life in Children, Youth, and Young Adults after Acquired Brain Injury [Poster]. The Eighth World Congress on Brain Injury, Washington, DC, USA, March 11.
4. DeMatteo C, Hanna S, Mahoney W, Law M, Warriner E, Scott L, Lin C, Yousefi-Nooraie R (2010). Neuropsychological Outcomes in Children and Youth after Acquired Brain Injury: A Long-Term Perspective. The Eighth World Congress on Brain Injury, Washington, DC, USA, March 13.

5. D Kingston, S Hanna, W Sword, P Krueger, M Markle-Reid (Nov 2009). Pathways to prenatal maternal stress: Testing a life course model. *Innovations in Gender, Sex, and Health Research*. Toronto ON.
6. Russell D, Rivard L, Walter S, Hanna S et al. (Sep 2009) Knowledge brokers to facilitate use of clinical measures. Research Transfer Network of Alberta, Alberta, Canada.
7. Russell D, Rivard L, Walter S, Hanna S et al. (Sep 2009) Knowledge brokers to facilitate use of clinical measures: Longterm followup of a successful strategy. *American Academy of Cerebral Palsy and Developmental Medicine 63rd Annual Meeting*, Scottsdale, Arizona.
8. Johnstone J, Hanna S, Loeb M, et al. (June 2009) Prognosis of west Nile virus associated with acute flacid paralysis: A case series. 26th International Congress of Chemotherapy and Infection.
9. Russell DJ, Avery L, Walter SD, Hanna SE, Bartlett D, Rosenbaum PL, Palisano R, Gorter JW. (Feb 2009) Development and validation of item sets for the GMFM-66 to improve efficiency of administration in children with cerebral palsy. 3rd International Cerebral Palsy Conference, Sidney Australia.
10. Levac D, DeMatteo C, Hanna S, Wishart L (Sep 2007). Intra-individual variability in recovery from Pediatric acquired brain injury: relationship to outcomes at one year. The North American Brain Injury Society's Fifth Annual Conference on Brain Injury, San Antonio, Texas, United States.
11. Dobbins M, DeCorby K, Robeson P, Ciliska D, Thomas H, Hanna S, Manske S, Mercer SL, O'Mara L, Cameron R. (Feb 12, 2007). The power of tailored messaging: Preliminary results of the first randomized controlled trial in Canada on knowledge brokering. Paper presented at Canadian Cochrane Colloquium, Ottawa Canada.
12. Thabane L, Walter S, Hanna SE, Goldsmith C, Pullenayegum E (August 2007). Developing a biostatistical collaboration course. Paper presented at the Joint Statistical Meetings, Salt Lake City.
13. Bartlett D, Hanna S, Rivard L, Russell D (February 2007). Development of percentile reference curves to track changes in gross motor function over time in children with cerebral palsy. Paper presented at the annual meeting of the Combined Sections, American Physical Therapy Association, Boston, USA.
14. Sirur R, Richardson J, Wishart L, Hanna S (June 2007). A cognitive-behavioral intervention to increase adherence to prescribed practice for motor relearning. Paper presented at the annual meeting of Advances in Neurorehabilitation.
15. Rivard L, Missiuna C, Hanna S, Wishart L (February, 2007). Teachers' perceptions of children's motor difficulties in the classroom. Poster presented at the International DCD VII Conference. Melbourne, Australia.
16. King G, Law M, King S, Hurley P, Hanna S, Rosenbaum P, Kertoy M, Petrenchik T (May 2006). Participation of children and youth with physical disabilities. Paper presented at the International Meeting in Pediatric Neuromuscular Rehabilitation, Vingstedcentret, Denmark.
17. King G, Law M, King S, Hurley P, Hanna S, Rosenbaum P, Kertoy M, Petrenchik T (May 2006). Participation of children and youth with physical disabilities. Paper presented at Novita, Adelaide, Australia.

18. King G, Law M, King S, Hurley P, Hanna S, Rosenbaum P, Kertoy M, Petrenchik T (May 2006). Participation of children and youth with physical disabilities. Paper presented at Scope, Melbourne, Australia.
19. Russell D, Bartlet D, Rosenbaum P, Palisano R, Hanna S. Translating evidence into clinical practice: Listening to service providers and families. Poster presented at the International Cerebral Palsy Conference. Oulu, Finland, February 2006.
20. Law M King G, Kertoy M, Hurley P, Hanna S, Petrenchik T, Rosenbaum P, Young N. Participation of children with physical disabilities in out-of-school occupations. Canadian Association of Occupational Therapists' Annual Conference , Montreal QU, June 2006.
21. Missiuna C, Mandich A, DeMatteo C, Law M, Hanna S. Examining cognitive orientation to occupational performance for children with brain injury. Canadian Association of Occupational Therapists' Annual Conference. Montreal QU, June 2006.
22. Kennedy DM, Stratford PW, Wessel J, Hanna SE, Gollish JD. Modelling early recovery in patients following total hip and knee arthroplasty. GTA Rehab Network Best Practices Day, Toronto ON, February 2006
23. Hanna SE, Brouwers MB, Cameron D. Physician's intentions to use clinical practice guidelines: A social cognitive model in cancer care. Guidelines International Network (GIN) 2005 Conference, Lyon France, December 2005.
24. Hanna SE, Swinton M. Clinical measurement in childhood rehabilitation: Practical guidelines for service providers. Ontario Association of Children's Rehabilitation Services 2005 Conference, Niagara Falls ON, Oct 2005.
25. Scott, L., DeMatteo, C., Hanna, S., Rosenbaum, P., Law, M., Mahoney, W., & Newman, A. (2005). Towards the identification of a developmental pathway of cognitive recovery from paediatric acquired brain injury. The Sixth World Congress on Brain Injury, Melbourne, Australia. May 6-8.
26. Dobbins MJ, DeCorby KL, Mercer SL, Ciliska D, Manske S, Hanna S, Cameron R, O'Mara L, Thomas H, Mills C. WWW.health-evidence.ca: An innovative service to promote evidence-based public health decision-making. Paper presented at the 133rd Meeting of the American Public Health Association, November 2005, New Orleans, LA.
27. Dobbins MJ, DeCorby KL, Mercer SL, Ciliska D, Manske S, Hanna S, Cameron R, O'Mara L, Thomas H, Mills C. Promoting evidence-based public health decision-making. Poster presented at the 133rd Meeting of the American Public Health Association, November 2005, New Orleans, LA.
28. King G, Law M, King S, Hurley P, Hanna S, Kertoy M, Rosenbaum P, Young N. A longitudinal study of the predictors of the participation of children with physical disabilities. Poster to be presented at the biennial meeting of the Society for Research in Child Development, Atlanta, GA. 2005, April.
29. Kennedy DM, Stratford PW, Hanna SE, Wessel J, Gollish JD (Accepted). Examining the Predictors and Patterns of Early Recovery in Patients Following Total Hip and Knee Arthroplasty. Canadian Physiotherapy Association, Victoria, BC, May 2005.
30. Law M, Missiuna C, Dematteo C, Hanna S. Advancing practice through innovative rehabilitation with children with acquired brain injury. Poster presented at Ontario

- Association of Children's Rehabilitation Services Conference. October, 2004. Toronto, ON.
31. Gollish JD, Kennedy DM, Stratford PW, Hanna SE, Wessel J. Key Predictors of Functional Recovery Following Total Hip and Knee Arthroplasty. 11th Meeting of the Combined Orthopaedic Associations –Sydney Australia, October 2004.
 32. Gollish JD, Kennedy DM, Stratford PW, Hanna SE, Wessel J. Measuring Recovery Following Total Hip and Knee Arthroplasty: The Case For Physical Performance Measures. 11th Meeting of the Combined Orthopaedic Associations –Sydney Australia, October 2004
 33. Vohra J. Brazil K. Hanna S. Abelson J. Szala-Meneok K. Family satisfaction with end-of-life care in long-term care facilities. 3rd. Research Forum of the European Association for Palliative Care, Stresa, Lago Maggiore, Italy, 2004
 34. Vohra J. Brazil K. Hanna S. Abelson J. Szala-Meneok K. Family satisfaction with end-of-life care in long-term care facilities. The 14th Annual Provincial Conference on Palliative and End-of-life Care, Toronto, On, 2004
 35. Stratford PW, Kennedy DM, Hanna SE. Comparison of a condition and region specific measures' abilities to detect change post arthroplasty. Canadian Physiotherapy Congress, Quebec City 2004-05-29.
 36. Missiuna C, Dematteo C, Hanna S, Scott L. *Cognitive intervention for children with acquired brain injury: A pilot study*. Poster accepted for presentation at Toronto Acquired Brain Injury Network annual conference. Toronto, ON. November, 2004
 37. Stratford PW, Kennedy DM, Hanna SE. *Comparison of a condition and region specific measures' abilities to detect change post arthroplasty*. Canadian Physiotherapy Congress, Quebec City 2004-05-29.
 38. Kennedy DM, Hanna SE, Stratford PW, Wessel J, Gollish JD, Pagura SMC (June, 2004). *The impact of pre-operative function and gender on postoperative recovery following total hip and knee arthroplasty*. Poster presented at the 2004 Annual meeting of the Canadian Orthopaedic Research Society, Calgary, AB.
 39. Kennedy DM, Hanna SE, Stratford PW, Wessel J, Gollish JD, Pagura SMC (June, 2004). *Modeling recovery following total hip and knee arthroplasty: The case for physical performance measures*. Poster presented at the 2004 Annual meeting of the Canadian Orthopaedic Research Society, Calgary, AB.
 40. Russell D, Hanna S, Bartlett D, Kertoy M, Rosenbaum P. and Swinton M. (2003) *Using Outcome Measures in Pediatric Practice: What do front-line clinicians want and need to know?* Paper presented at the Ontario Association of Children's Rehabilitation Services, Richmond Hill, ON.
 41. Hanna S. (March 2003). *Indexes of tracking in longitudinal data with individually varying times of observation*. Meeting of the International Biometric Society, Eastern North American Region, Tampa, FL, USA.

42. Crowther M, Cook DJ, Meade M, Rabbat C, Griffith L, Bates S, Guyatt GH, Hanna S, Geerts W, Johnston M. Levels of D-dimer do not predict deep venous thrombosis in medical-surgical ICU patients. *J Thromb Haemostasis* 2003.
43. Mahoney WJ, DeMatteo CA, Hanna SE, Rosenbaum PR, Law M (2003). Functional outcome of traumatic brain injury in children. The Fifth World Congress on Brain Injury, Stockholm, Sweden. May 23-26.
44. Griffith L, Cook DJ, Hanna S, Rocker G, Sjokvist P, Dodek P, Marshall J, Levy M, Varon J, Finfer S, Jaeschke R, Buckingham L, Guyatt GH, for the Canadian Critical Care Trials Group. Predictors of clinician discomfort with daily life support plans for mechanically ventilated patients. *Critical Care* 2003, **7**(Suppl 2):P252 (3 March 2003). Available from: <http://ccforum.com/content/7/S2/P252>
45. DeMatteo C, Hanna S (January, 2003). *Functional outcomes in children after head injury*. Paper presented at the 1st Annual Ontario Neurotrauma Foundation Conference on SSI and TBI Research, Toronto, Canada.
46. Wynn K, Missiuna C, Pollock N, Hanna S. Exploring the participation of children with disabilities in school. *CAOT Conference 2003*, Winnipeg Canada (25-26 May 2003).
47. Law M, King G, King S, Kertoy M, Young N, Hanna S, Rosenbaum P, Hurley P, Participation Patterns of Children With Physical Disabilities CanChild Centre for Childhood Disability Research. *Ontario Association of Childrens' Rehabilitation Service Conference*, October 2003, Toronto, ON.
48. Law M, King G, King S, Kertoy M, Young N, Hanna S, Rosenbaum P, Hurley P. Participation patterns of children with physical disabilities. *American Academy of Cerebral Palsy and Developmental Medicine 57th Annual Meeting*, September 2003, Montreal, QC.
49. DeMatteo, C., Hanna, S., Mahoney, B., Law, M., Scott, L., Newman, A. (2002). Outcomes in children after head injury: Issues in prediction. Pacific West Coast Brain Injury Conference, Vancouver, British Columbia, Canada. October 3-5.
50. Brouwers M, Graham I, Hanna S, Browman G, Cameron D. Perception of guidelines by oncologists: A new tool to measure clinicians attitudes toward clinical practice guidelines. *Clinical Practice Guidelines 2002*, Berlin Germany (7-8 June 2002).
51. Gorter J-W, Rosenbaum P, Hanna S for the Gross Motor Function Group (October 2002). *The value of SCPE cerebral palsy subtypes as an indicator of functional ability*. Paper presented at the 14th Annual Meeting of the European Academy of Childhood Disability, Pisa, Italy.

52. Rosenbaum P, Palisano R, Walter S, Hanna S, Russell D, Raina P, Bartlett D, Wood E, Galuppi B (September 2002). *Prognosis for gross motor function in cerebral palsy: Creation of motor development curves*. Paper presented at the 56th Annual Meeting of the American Academy for Cerebral Palsy and Developmental Medicine, New Orleans, USA.
53. Law MC, King G, King S, Kertoy M, Hurley P, Rosenbaum P, Young N, Hanna S. *The Children's Assessment of Participation and Enjoyment (CAPE)*. The American Academy for Cerebral Palsy and Developmental Medicine 56th Annual Meeting, September 11-14, 2002
54. Law M., King G, King S, Kertoy M, Hurley P, Rosenbaum P, Young N, Hanna S. *The Children's Assessment of Participation and Enjoyment (CAPE)*. *OACRS Conference*, November 3-5, 2002, Toronto.
55. King G, Law G, Rosenbaum P, Hurley P, Hanna S (November 2002). *Family-centred service in Ontario: A best practice approach*. Workshop presented at the Annual conference of the Ontario Association of Children's Rehabilitation Services.
56. Hanna, SE, Law, M.C., King, G. (September, 2000). *Development of hand function in children with cerebral palsy: Growth curves for ages 16 to 70 months*. Scientific poster presented at the 54th Annual Meeting of the American Academy for Cerebral Palsy and Developmental Medicine, Toronto, Canada.
57. Engle, L., Dhanani, T., Hanna, S., Russell, D. (September, 2000). *Health status and service utilization patterns in preschool children with cerebral palsy*. Scientific poster presented at the 54th Annual Meeting of the American Academy for Cerebral Palsy and Developmental Medicine, Toronto, Canada
58. Law, M., Hurley, P., Russell D., King, G., Hanna, S. (May, 2000). *Selecting outcome measures in paediatric rehabilitation: The effectiveness of an interactive software program*. Poster presented at The Tri-Joint Congress 2000, Toronto, Canada.
59. Law, M., Rosenbaum, P., King, G., Walter, S., Palisano, R., Pollock, N., Missiuna, C., King, S., Russell, D., Larin, H., Gemus, M., Stewart, D., Kertoy, M., Bartlett, D., Hanna, S. (1999, November). *CanChild Centre for Childhood Disability Research – Moving evidence into practice*. The Canadian Cochrane Symposium, Hamilton, Ontario, Canada.
60. Hanna, S.E. (1996, April). *Some cognitive and motivational determinants of ingroup homogeneity*. Paper presented at the 1st Waterloo-Western Psychology Conference, Waterloo, Ontario, Canada.
61. Hanna, S.E., Brouwers, M.C., & Sorrentino, R.M. (1995, June). *Informational and affective influences on I.Q. test performance*. Poster presented at the 7th Annual Convention of the American Psychological Society, New York, New York, U.S.A.

62. Hanna, S.E., & Sorrentino, R.M. (1993, August). *Informational and affective influences on mind-sets during goal-oriented activity*. Poster presented at the annual meeting of the American Psychological Association, Toronto, Ontario, Canada.
63. Sorrentino, R.M., & Hanna, S.E. (1991, October). *Uncertainty orientation and close relationships*. Paper presented at the annual meeting of the Society for Experimental Social Psychology, Columbus, Ohio, U.S.A.

Media Appearances

Television

1. (18 January 2010) Global Television News Toronto, Calgary
"The dangers of concussion in children" re: DeMatteo, Hanna et al (2010)

Radio

2. (20 January 2010) The Link, Radio Canada International
"Brain injuries are not being taken seriously enough" re: DeMatteo, Hanna et al (2010)

ADMINISTRATIVE CONTRIBUTIONS (MCMASTER UNIVERSITY)

(appointments begin July 1 and end June 30, unless otherwise stated)

University Appointments

McMaster University Senate

Elected Member	2009 – 2012
Member, Senate Committee on Appointments	2009 – 2012
Elected Member	2008 – 2009

Faculty Appointments

Assistant Dean, Health Research Methods Graduate Programs Oct 2009 – Jun 2013
Faculty of Health Sciences and Dept. of Clinical Epidemiology & Biostatistics

including service *ex officio*:

Faculty of Health Science

Graduate Policy and Curriculum Committee

FHS Graduate Executive Committee

Clinical Investigator Program Committee

Department of Clinical Epidemiology and Biostatistics

Departmental Appointments Committee

Departmental Steering Committee

Board of Comprehensive Examination Chairs, HRM

PhD Admission Committee, HRM

MSc Admission Committee, HRM

Curriculum Committee, HRM

Community Medicine Residency Program Committee

Elected Member, Graduate Policy & Curriculum Committee 2005 – 2008

Faculty of Health Science

Member, Graduate Scholarships Selection Committee 2004 – 2007

Faculty of Health Science

Departmental Appointments

Acting Director, Health Research Methods Graduate Programs Jul 2008 – Mar 2009

Department of Clinical Epidemiology and Biostatistics

Elected Member, Departmental Steering Committee 2004 – 2007

Department of Clinical Epidemiology and Biostatistics

Member, Appointments, Promotion, and Tenure Committee 2004 – 2007

(appointments only) Department of Clinical Epidemiology and Biostatistics

Member, Special Events Committee Nov 2005 – Jun 2007

Department of Clinical Epidemiology and Biostatistics

Coordinator and Chair, Special Events Committee Nov 2002 – Jun 2005

Department of Clinical Epidemiology and Biostatistics

Member, MSc Admissions Committee Dec 2002 – Jul 2004

Steven E. Hanna

Health Research Methodology Program
Coordinator, Research Rounds 2002 – 2004
School of Rehabilitation Science
Member, Research Committee 2001 – 2004
School of Rehabilitation Science

Ad Hoc Committees

Member, Selection Committee for the Assistant Dean, Rehabilitation Science Faculty of Health Science Jan 2010 –
Member, Selection Committee for the Associate Dean, School of Rehabilitation Science Faculty of Health Science Jan 2010 –
Member, Selection Committee for the Associate Dean of Graduate Studies, (FHS), Faculty of Health Science Jan – Jun 2009
Member, Selection Committee for the Chair of Clinical Epidemiology and Biostatistics, Faculty of Health Science Nov 2002 – Jun 2003