

A. PERSONAL

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B. EDUCATION

B.Sc.	National University of Ireland (Cork)	Mathematics / Statistics	1968
M.Sc.	National University of Ireland (Cork)	Mathematics / Statistics	1969
Ph.D.	University of Waterloo	Statistics / Biometry	1973

C. POSITIONS HELD**McGill University**

1993- Professor, Dept. Epidemiology, Biostatistics & Occupational Health; Dept. Medicine

2001 (09-12) Interim Chair, Dept Epidemiology, Biostatistics and Occupational Health

1995 - Medical Scientist, Division of Clinical Epidemiology, Royal Victoria Hospital

2000 - Associate Member, Department of Mathematics and Statistics

1992 - 3 Visiting Professor, Dept of Community Health, Addis Ababa University, Ethiopia

1991 - Associate Member, School of Physical and Occupational Therapy

1985 - 6 Consultant, Cancer Unit, World Health Organization, Geneva (sabbatic leave)

1984 - 93 Associate Professor, Department of Medicine

1980 - 93 Associate Professor, Department of Epidemiology and Biostatistics

Harvard School of Public Health, Boston, Massachusetts

1977 - 80 Assistant Professor, Department of Biostatistics;
Assistant Scientist, Div. of Epidemiology & Biostatistics, Sidney Farber Cancer Institute

State University of New York at Buffalo

1973 - 77 Research Assistant Professor, Statistical Science Division

C. OTHER POSITIONS and EXPERIENCE

- 2013 Consultant, World Anti-Doping Agency
- 1992-95 Consultant, Conseil d'évaluation des technologies de la santé du Québec
- 1978-80 Statistical Consultant, Massachusetts Dental Survey
- 1978-80 Statistical Consultant, New England Regional Burn Program
- 1975-80 Statistician, Neutron Therapy Users Group
(NIH-funded clinical trials in 4 U.S. centres)
- 1975-80 Project Statistician, Committee for Human Trials in Pi-Meson Radiotherapy
(Clinical trials at Los Alamos Facility)
- 1973-80 Radiation Therapy Oncology Group
(NIH-funded clinical trials in 40 U.S. centres)
- Statistician (1973-80),
- Co-ordinating Statistician (1974-76)
- 1973-74 Co-ordinating Statistician, Gastro-intestinal Tumor Study Group
(NIH-funded clinical trials in 7 U.S. centres)
- 1973-80 Statistician, Eastern Oncology Oncology Group
(NIH-funded clinical trials in 50 U.S. centres)

D. SPECIAL HONOURS, AWARDS, RECOGNITIONS

2016: Statistical Society of Canada Award for Impact of Applied and Collaborative Work

2017: Canadian Society of Epidemiology and Biostatistics: Lifetime Achievement Award

E1. COURSES TAUGHT at McGill 2010 -2019

<u>Year</u>	<u>Course</u>	<u>Title</u>
2019-20	BIOS-601 524-207G BIOS 691	Epidemiology: Introduction and Statistical Models [4 credits] Intro to Epi (Co-ordinator C Renoux); led 5 small-group sessions, 10 hours Special Topics: Applied Statistics and Data Analysis. [4 credits]
2018-19	BIOS-601 524-207G	Epidemiology: Introduction and Statistical Models [4 credits] Intro to Epi (Co-ordinator C Renoux); led 5 small-group sessions, 10 hours
2017-18	BIOS-601 BIOS 624 BIOS 691	Epidemiology: Introduction and Statistical Models [4 credits] Data Analysis & Report Writing Principal-instructor: A Benedetti. Participated in each class. Special Topics: Applied Statistics and Data Analysis. [4 credits]
2016-17	BIOS-601 BIOS 624 524-207G	Epidemiology: Introduction and Statistical Models [4 credits] Data Analysis & Report Writing (Principal-instructor: [4 credits] Intro to Epi (Co-ordinator C Renoux); led 4 small-group sessions, 8 hours
2015-16	BIOS-601 BIOS 624 524-207G	Epidemiology: Introduction and Statistical Models [4 credits] Data Analysis & Report Writing (Principal-instructor: A Benedetti) [2 credits]; Intro to Epi (Co-ordinator M Klein); led 4 small-group sessions, 8 hours
2014-15	BIOS-601 BIOS 624 524-207G BIOS 602	Epidemiology: Introduction and Statistical Models [4 credits] Data Analysis & Report Writing (Principal-instructor: A Benedetti) [4 credits]; Intro to Epi (Co-ordinator M Klein); led 4 small-group sessions, 8 hours Epidemiology: Regression Models [4 cr]
2013-14	BIOS-601 BIOS 624 524-207G	Epidemiology: Introduction and Statistical Models [4 credits] Data Analysis & Report Writing (Principal-instructor: A Benedetti) [4 credits]; Intro to Epi (Co-ordinator M Klein); led 2 small-group sessions, 4 hours
2012-13	BIOS-601 EPIB 609 524-207G	Epidemiology: Introduction and Statistical Models [4credits] Seminar for PhD students: Instructor (12 sessions x 3 h); Intro to Epi (Co-ordinator M Klein); led 2 small-group sessions, 4 hours
2011-12	BIOS-601 EPIB 609 524-207G	Epidemiology: Introduction and Statistical Models [4credits] Seminar for PhD students: Instructor (24 sessions x 1.5 h); Intro to Epi (Co-ordinator M Klein); led 2 small-group sessions, 4 hours
2010-11	BIOS-601 EPIB 609 524-207G BIOS 602 EPIB-634 EPIB-634	Epidemiology: Introduction and Statistical Models [4credits] Seminar for PhD students: Co-ordinator (24 sessions x 1.5 h); moderated 4 sessions Intro to Epi (Co-ordinator M Klein); led 2 small-group sessions, 4 hours Epidemiology: Regression Models [4 cr] Survival Analysis & Related Topics [1 cr] Survival Analysis & Related Topics [1 credit]

E1. COURSES TAUGHT at McGill 2000-2009

<u>Year</u>	<u>Course</u>	<u>Title</u>
2009-10	BIOS-601 524-207G BIOS 602 POTT-630 EPIB-634 EPIB-660	Epidemiology: Introduction and Statistical Models [4credits] [N Dendukuri taught 2 sessions] Intro to Epi (Co-ordinator M Klein) taught 2 hours ; led small-group sessions 12 hours Epidemiology: Regression Models [4 cr], [N. Dendukuri taught 4 sessions] Measurement in Rehabilitation (Co-ordinator S Wood-Dauphinee); 2 hours Survival Analysis & Related Topics [1 cr] Protocol Development (Co-ordinator: Becklake) Taught 6 hours.
2008-09	BIOS-601 524-207G BIOS 602 POTT-630 EPIB-602 EPIB-634	Epidemiology: Introduction and Statistical Models [4cr] [RPlatt/EMoodie taught 4 sessions] Intro to Epi (Co-ordinator M Klein) taught 2 hours; led small-group sessions 12 hours Epidemiology: Regression Models [4 cr], [A. Labbe taught 4 sessions] Measurement in Rehabilitation (Co-ordinator S Wood-Dauphinee); 2 hours taught 3 1.5 hour sessions Survival Analysis & Related Topics [1 cr]
2007-08	BIOS-601 EPIB-626 524-207G BIOS 602 POTT-630 EPIB-634	Epidemiology: Introduction and Statistical Models [4credits] Risks and hazards (Co-ordinator S Suissa); 6 hours Intro to Epi (Co-ordinator M Klein) taught 2 hours & co-led small-group sessions 12 hours Epidemiology: Regression Models [4 credits], with N Dendukuri Measurement in Rehabilitation (Co-ordinator S Wood-Dauphinee); 3 hours Survival Analysis & Related Topics [1 credit]
2006-07	EPIB-678 EPIB-613 POTT-630 EPIB-634	Risks and hazards [3 credits] Introduction to Computational Statistics for Epidemiology [1 credit] Measurement in Rehabilitation (Co-ordinator S Wood-Dauphinee); 4.5 hours Survival Analysis & Related Topics [1 credit]
2005-06	EPIB-626 EPIB-604 POTT-630 EPIB-604	Risks and hazards (Co-ordinator S Suissa; taught 6 hours) Graduate Seminars (joint with Jane McCusker) Measurement in Rehabilitation (Co-ordinator S Wood-Dauphinee; 5 hours) Introduction to Computational Statistics for Epidemiology [1 credit]
2004-05	-----	----- (sabbatical leave)
2003-04	524-207G EPIB-626 EPIB-604 POTT-630 EPIB-681 EPIB-640 EPIB-694(SP)	Introduction to Epidemiology (Co-ordinator J Pickering; taught 2 hours) Risks and hazards (Co-ordinator S Suissa; taught 9 hours) Graduate Seminars (Co-ordinator A Lipman; participant) Measurement in Rehabilitation (Co-ordinator S Wood-Dauphinee; 5 hours) Data Analysis II Practicum (Co-ordinator M Goldberg; taught 1 session [2 hours]) Statistical Inference II (2 credits)
2002-03	524-207G EPIB-626 POTT-630 EPIB-640 EPIB-678(SP)	Introduction to Epidemiology (Co-ordinator J Pickering; taught 8 hours) Risks and hazards (Co-ordinator S Suissa; taught 9 hours) Measurement in Rehabilitation (Co-ordinator S Wood-Dauphinee; 5 hours) Practicum (Co-ordinator; taught 1 section [1 credit]) Analysis of multivariable data
2001-02	513-607 513-626 189-685 582-630 513-640 513-678(SP)	Principles of Inferential Statistics in Medicine Risks and hazards (Co-ordinator S Suissa; taught 9 hours) Statistical Consulting Measurement in Rehabilitation (Co-ordinator S Wood-Dauphinee; 8 hrs) Practicum (co-ordinator; taught 1 section [1 credit]) Analysis of multivariable data

E1. COURSES TAUGHT at McGill 1991-2000

2000-01	513-697 513-626 189-685 582-630 513-640 189-323C 513-678(SP)	Applied Linear Models Risks and hazards (Course co-ordinator S Suissa; taught 9 hours) Statistical Consulting Measurement (Course co-ordinator S Wood-Dauphinee; taught 8 hours) Practicum (co-ordinator; taught 1 section [1 credit]) Probability Theory (undergraduate; 42 students; 3 credits; May 2001) Analysis of multivariable data
1999 -2000	513-697 513-626 513-610 513-640 513-622 513-678(SP)	Applied Linear Models Risks and hazards (Course co-ordinator S Suissa; taught 9 hours) Occurrence of Health Events (Course co-ordinator M Kramer; taught 6 hours) Practicum (co-ordinator; taught 1 section [1 credit]) Applications of statistics Analysis of multivariable data
1998-99	513-697 513-626 582-630 513-640 513-622 513-678(SP)	Applied Linear Models Risks and hazards (Course co-ordinator S Suissa; taught 9 hours) Measurement (Course co-ordinator S Wood-Dauphinee; taught 6 hours) Practicum (co-ordinator; taught 1 section [1 credit]) Applications of statistics Analysis of multivariable data
1997-98	-----	----- (sabbatical leave)
1996-97	513-626 513-695 513-607(SP) 513-678(SP)	Risks and hazards (shared with S Suissa) Intermediate epidemiology (Co-ordinator - taught 9 hours) Principles of inferential statistics in medicine Analysis of multivariable data (shared with A Negassa)
1995-96	513-626 513-622 513-607(SP) 513-678(SP) Pharmacology 524-207 Dentistry	Risks and hazards (shared with S Suissa) Applications of statistics (shared with S Choi) Principles of inferential statistics in medicine Analysis of multivariable data (shared with A Negassa) 3 3-hr lectures to graduate students Unit 8. Small group tutor in med. undergrad course : 6 2-hr sessions Year 1 2 2-hr lectures
1994-95	513-626 513-622 513-607 513-607(SP)	Risks and hazards Applications of statistics Princ inferential statistics in med (Potsdam; intensive course, Feb.) Principles of inferential statistics in medicine
1993-94	513-607 513-622 513-607(SP)	Principles of inferential statistics in medicine Applications of statistics Principles of inferential statistics in medicine
1992-93	U. Addis Ababa MPH Pgm	Biostatistics I Biostatistics II Research Protocol (shared)
1991-92	513-622 513-607(SP)	Applications of statistics Principles of inferential statistics in medicine
1990-91	513-622 513-607(SP) 513-121	Applications of statistics Principles of inferential statistics in medicine (Medical undergraduates) 3 Lectures

E1. COURSES TAUGHT at McGill 1980-1990

1989-90	513-607	Principles of inferential statistics in medicine
	513-622	Applications of statistics
	513-607(SP)	Princ. of inferential statistics in med (50%, shared with L Joseph)
	513-121	(Medical undergraduates) 2 Lectures
1988-89	513-622	Applications of statistics
	513-607(SP)	Principles of inferential statistics in medicine
1987-88	513-622	Applications of statistics
	513-626	Risks and hazards (50%, shared with A. Ciampi)
	513-607(SP)	Principles of inferential statistics in medicine
1986-87	513-607	Principles of inferential statistics in medicine
	513-622	Applications of statistics
	513-626	Risks and hazards
	513-607(SP)	Principles of inferential statistics in medicine
1985-86	-----	----- (sabbatical leave)
1984-85	513-607	Principles of inferential statistics in medicine
	513-622	Applications of statistics
1983-84	513-607	Principles of inferential statistics in medicine
	513-622	Applications of statistics
1982-83	513-607	Principles of inferential statistics in medicine
	513-622	Applications of statistics
1981-82	513-607	Principles of inferential statistics in medicine
	513-622	Applications of statistics
1980-81	513-607	Principles of inferential statistics in medicine
	513-621	Data analysis for health sciences

E2.GRADUATE STUDENTS SUPERVISED

<u>Year</u>	<u>Name</u>	<u>Degree</u>	<u>Current Position</u>
1980	Harmon Jordan	DSc	Statistician, Blue Cross Blue Shield of Massachusetts.
1982	Bwani Pathak	Dip	Scientist, Canadian Center for Occupational Health.
1985	Molly Thompson	PhD	Epidemiologist, British Columbia Ministry of Health.
1988	Kathryn Wilkins	MSc	Epidemiologist, Dept of Health and Welfare, Ottawa.
1988	Katherine Desmond	MSc	Freelance research contractor, Ottawa.
1988	Joyce Pickering	MSc	Faculty member, McGill Department of Medicine
1989	Thiery Ducruet	Dip	Statistician, Jewish General Hospital.
1990	Abdissa Negassa	MSc	Assoc. Prof., Albert Einstein Coll of Med, Yeshiva U, NY
1990	Michèle Rivard ¹	DSc	Prof. titulaire, Méd. sociale et préventive, U de Montréal.
1991	Nicola Cherry	MSc	Prof. & Chair, Dept. Public Health Sciences U. of Alberta
1992	Ronald Lett	MSc	Director, Canadian Network for International Surgery
1992	Adrian Levy ²	MSc	Head, Community Health&Epidemiology, Dalhousie Univ
1992	Kenneth Johnson	PhD	Laboratory Centre for Disease Control, Ottawa
1993	Susan Scott	MSc	Research Associate, Royal Victoria Hospital
1995	Catherine Hagen	MSc	Physician, UBC Family Medicine Unit, Prince George B.C.
1995	Karim Hajian-Tilaki	PhD	Assistant professor, Babol faculty of Medicine, Iran
1995	Stefania Rodella	MSc	Director, Health Services Evaluation Unit, Florence, Italy
1996	Haile Fenta	PhD	Project Co-ordinator, U of Toronto/Clarke Institute
1997	Douglas Schaubel ³	MSc	Associate professor, Dept. of Biostatistics, U of Michigan
1998	Vanessa Catalan ⁴	PhD	Research Director, Lakehead University, Ontario
2001	David Hendrick ⁵	MSc	Professor and Chest Physician, U of Newcastle, UK
2001	Khajak Ishak	MSc	Statistician, Caro Research, Montreal
2002	Elizabeth Turner	MSc	Res. Fellow, Med. Statistics, London Sch. Hyg&Trop. Med
2005	Nicole Parent ⁶	PhD	Nurse Administrator, Montreal Heart Institute
2006	Carine Bellera	PhD	Biostatistician, Institut Bergonie, Bordeaux, France.
2006	Nathalie Malo ⁷	PhD	Biostatistician, Montreal
2007	Robert Pauly	MSc	Assistant Professor, U Alberta, Fac Medicine, Nephrology
2008	Bin Zhang ⁸	PhD	Statistician, New Brunswick Department of Health
2009	Ernest Lo ⁹	MSc	Biostatistician, Jewish General Hospital
2009	Orit Schieir ¹⁰	MSc	PhD student, University of Toronto
2009	Marie-Eve Beauchamp ¹¹	PhD	Research Associate, Montreal General Hospital
2011	Dana Teltsch ¹²	PhD	Consultant, Boston
2011	Tao Gao ¹³	MSc	Research Associate, Montreal
2014	Amy Liu ¹⁴	PhD	Cancer Care Ontario, Toronto
2014	Bill (Shujie) Li ¹⁵	PhD	Pfizer, China
2015	Alex Bliu ¹⁶	PhD	Health Canada
2016	Etienne St-Louis	MSc	PhD in Experimental Surgery
2018	Emilie Trinh	MSc	Associate Investigator, RI-MUHC, Montreal General Hospital

with... 1 D. Amato (Harvard Sch Pub Health); 2 M Goldberg and N Mayo; 3 J-P Collet; 4 D Krewski; 5 M Becklake
6 N Frasure-Smith; 7 R Nadon; 8 S Suissa; 9 R Nadon, 10 B Thombs; 11 R Platt, 12 D Buckeridge; 13 B Foster. 14 N
Dendukuri 15 D Stephens 16 E Moodie

MEMBER OF THESIS COMMITTEE:

<u>PhD</u>	Gray-Donald '84; Gyorkos '85; McKenzie '87'; Tamblyn '89; Baumgarten, Sampalis '90; Hobbs, Leblanc '91; Wen, Delfino '93; Groome '94; Hodge, Demissie '95; Forrester, Gebreselassie, MacArthur '96; De Grosbois '97; Feldman, Levy, Stringer, Zhong '98; Egan '99; Maser, Sharpe, Stenstrom '00; Kassaye, Shen '01; Csizmadai '02; Pintos, Fairchild, Tamim '03, Koushik, Kosseim, Barnett Ahmed '04, Salbach '05 Ishak '06; Levesque '08; Soicher, Burchell, Maximova, Kidman, Belanger '09, Chiolero '12 Henderson '13 Syrowatka '17
<u>MSc</u>	Massarelli '82, Levy, O'Loughlin '83, Aronson l'Abbé, Boucher, Dales, Filiatrault, Masi, Wang, Whitehouse '85; Richardson '86, Schachter '88, Menzies, Ng'ang'a, Weiland '89, Barrett '91 (Memorial U); Taddese '94; Bjerre '95; Loo '96; Brown '97; Cossette '98; Andreu, Newhouse, Teng, Venturini '00; Dandavino, Dubiniecki, Gagnon '02; Sylvestre, Wanyeki '03; Lauzon, Karunanathan '04, Schneider '05, St.-Germaine '08, Hamlin-Douglas '08, Nobel '10

F. OTHER SCIENTIFIC and PROFESSIONAL CONTRIBUTIONS**1. Journals**

Editorial Boards

2006-2008	Associate Editor, Biometrics
2005-2007	Statistical Consultant, Hypertension
1998-2001	Canadian Medical Association Journal: Associate editor for biostatistics
1996-2001	Statistics in Medicine
1992-93	Ethiopian Medical Journal
1989-	Chronic Diseases in Canada Medical Decision Making
1988-90	Investigative Radiology
1981-82	Medical Decision Making

Referee for Scientific Journals In last 4 years ...

American Journal of Epidemiology	Biometrics	Investigative Radiology
Epidemiology	JASA	Statistics in Medicine

Referee for Scientific Journals Earlier ...

American Review of Respiratory Disease	American Statistician	Annals Int. Medicine
Canadian Medical Association Journal	Journal of Nuclear Medicine	New England J Med
Radiology	Science	Statistics in Medicine

2. Grant ReviewsGrant Selection and Personnel Award Committees

2001-02	FRSQ Chercheur Boursier awards committee
1993-	Member, NHRDP Personnel Awards (Postdoctoral / Scholar / Scientist)
1988-92	Member, Epidemiology and Disease Control Study Section (NIH)... 3 3-day meetings/year
1987-91	Ad hoc member, Diagnostic Radiology Study Section (NIH)
1988	Member, Rehabilitation Grant Review Committee (Health and Welfare Canada)
1979-83	Member, Cancer Clinical Investigation Review Committee (NIH)

Grant Reviews

CIHR
 British Columbia Ministry of Health
 Fonds de recherche en santé du Québec
 Health and Welfare Canada
 Heart and Stroke Foundation of Canada
 Kidney Foundation of Canada
 Medical Research Council of Canada
 Natural Sciences and Engineering Research Council of Canada
 Ontario Ministry of Health

Site visits

1981 European Organization for Research and Training in Cancer, Brussels, Belgium
 1982 University of Florida, Gainesville
 1983 University of Texas at Houston
 1983 University of Washington, Seattle
 1987 University of Pittsburg, PA
 1987 University of Western Ontario
 1991 Vanderbilt University, Nashville TN
 2014 Université Laval, Québec City (Med Soc et Prev)

3, 4. Administrative**McGill**

- 1983 Faculty of Medicine Search Committee for Chair, Dept. of Epidemiology & Health
 1986-87 Faculty of Medicine Computing Committee
 1991 Consultation to administration regarding document produced by ministry of education on demographic projections for enrolment in Quebec universities.
 2014 Provost's Ad hoc Advisory Working Group on statistical issues in Pay Equity implementation

Department

- 1981-83 Director of Graduate Studies (~40 students)
 1984-85 Vice Chairman
 1987-88 Chairman, Ethics Review Committee
 1988-89 Member, planning committee for microcomputing laboratory and local area network
 1988-91 Director of Graduate Studies (~70 students)
 1988- Member, planning committee for Annual Summer Program.

5. Professional Organizations

- 2004-06 Chair, Local Organising Committee, International Biometric Conference, (IBC2006)
 2004-06 Member, Program Committee, International Biometric Conference (IBC2006)
 1991-93 Member, Regional Advisory Board, Biometric Society, Eastern North America Region

6. Other professional and scientific contributions**Courses and Workshops**

Invited speaker in FRIAS Junior Researcher Conference

September 21-23, 2016 Freiburg Institute for Advanced Studies, Freiburg, Germany

Avoiding Bias induced by Design and Analysis in Life History Cohort Studies

<https://www.frias.uni-freiburg.de/en/events/frias-junior-researcher-conferences/frias-junior-researcher-conference-avoiding-bias-induced-by-design-and-analysis-in-life-history-cohort-studies>

McGill Faculty of Medicine MiniMed Series on Epidemiology (6 lectures, Fall 2014)

Initiator, department liaison, and delivered first lecture in series.

Centre for Epidemiology and Community Studies, Jewish General Hospital

(Joint with O. Saarela) Feb 23, 2014

1/2 day workshop "Statistical issues concerning Competing Risks"

Bionano Program, McGill University

Skills Workshop: November 27, 2013

90-min presentation on Biostatistics

Centre de recherches mathématiques, Université de Montréal

Workshop: Statistics and Epidemiology May 3-8 1998

1/2 day course "Statistical methods for the evaluation of diagnostic tests"

American College of Radiology

Course: Design and Analysis of Clinical Evaluations of Diagnostic Tests

2-day course, co-taught with Constantine Gatsonis, Washington, DC, Dec 9-10, 1995.

Ethiopian Medical Association 1993 Annual Meeting, Addis Ababa, Ethiopia,

Continuing Medical Education Programme, May 19, 1993

Co-organizer plus 1 hour talk on "statistical methods"

National Seminar on Occupational Safety, Nazareth, Ethiopia, April 1, 1993

1 hour talk on "Occupational Epidemiology"

Ethiopian Public Health Association 1992 Annual Meeting, Addis Ababa, Ethiopia,

Continuing Medical Education Program October, 1992 1 hr talk on "data analysis"

SPIE – International Society for Optical Engineering

Course: Use of Receiver Operating Characteristic (ROC) Analysis in Imaging Experiments (held in conjunction with SPIE's Medical Imaging V, San Jose, California, February 1991.)

Radiology Diagnostic Oncology Group (multi-centre evaluations of diagnostic imaging technologies) 12-person Workshop, Boston, Massachusetts, 1990.

American Thoracic Society

10-person Workshop (together with report to be published by American Review of Respiratory Disease): Lung Function testing – Selection of Reference Values and Interpretive Strategies, Salt Lake City, Utah, 1988.

McGill Collaborative Program in Prescription Use and Public Health: Series in Methodological Development Burlington, Ontario Oct 15-16, 1987 (Faculty: J Hanley & W Spitzer)

American Thoracic Society

20-person Workshop on longitudinal data analysis in respiratory disease epidemiology, Tucson Arizona, 1987.

Harvard Medical School (clinical epidemiology department, sponsored by Robert Wood Johnson Foundation)

Symposium on teaching of quantitative methods to physicians, 1986.

Society for Medical decision Making

Workshop on "Discriminant Analysis, Principles and Practice" at 3rd Meeting of Society for Medical Decision Making, Philadelphia, 1981

Interviews / media

Lecture in Canal Savoir MiniMed broadcast series on Epidemiology (Figuring out what makes people sick)

http://www.canalsavoir.tv/emission/mini_med_what_makes_people_sick

(Interviewee, September and October 2014) CTV Montreal and CJAD Radio (Epidemics and Epidemiologists)

<http://montreal.ctvnews.ca/video?playlistId=1.2047041>

(Interviewer, Spring 2014) 2 hr interviews with M McGregor, B Pless and G Theriault

<http://bcooltv.mcgill.ca/ListRecordings.aspx?CourseID=6485>

(Interviewee, 2013) TV interview with Global TV, Montreal

<http://globalnews.ca/video/762406/how-your-birth-month-affects-your-future>

(Interviewee, 2012) 30-min Radio Interview (Upclose) at University of Melbourne

<http://upclose.unimelb.edu.au/episode/192-diagnostics-overkill-are-we-screening-cancer-too-frequently>

(Interviewer, May 2011) of O Miettinen for Voices section of American J of Epidemiology

<http://bcooltv.mcgill.ca/ListRecordings.aspx?CourseID=6485>

(Interviewee, 2003) Radio Interview (Radio Canada International) on longevity of Titanic survivors

(Interviewee, 2003) TV interview (Global TV Montreal) on longevity of Titanic survivors

(following newspaper coverage of same item)

Talks at universities/research institutes

1976 Mayo Clinic

1979 Temple University

1983 University of British Columbia

1983 University of Ottawa

1983 University of Waterloo, Ontario

1984 University of Sherbrooke

1985 University of British Columbia

1986 University of Berne

1986 University of Lausanne

1986 Institut Gustave Roussy, Paris

1986 University College, Cork, Ireland

1987 Memorial University, St. John's, Newfoundland

1987 Health and Welfare Canada
 1988 Mayo Clinic
 1989 Université de Montréal
 1992 Gondar College of Medical Sciences, Ethiopia
 1993 Jimma Institute of Health Sciences, Ethiopia
 1993 Université du Québec à Montréal
 1995 University College, Cork, Ireland
 1995 Dartmouth University
 1996 University of Toronto and Ontario Cancer Treatment Research Foundation
 1996 Memorial Sloan-Kettering Cancer Center, New York
 1998 Statistics Department, La Trobe University, Melbourne, Australia
 1998 Anti-Cancer Council of Victoria and Melbourne Epidemiology Group, Australia
 1998 Dept. of General Practice & Public Health and Statistical Society of Australia, Melbourne
 1998 Royal Children's Hospital, Melbourne, Australia
 1998 New South Wales Anti-Cancer Council, Sydney, Australia
 1998 Dept of Epidemiology & Preventive Medicine, Monash Medical School, Melbourne
 2003 Dept of Epidemiology & Biostatistics, University of Western Ontario
 2003 Center for Statistical Science, Brown University
 2004 UQAM [to Montreal Chapter, American Statistical Association]
 2005 London School of Hygiene and Tropical Medicine
 2005 University College, Cork
 2005 University College, Dublin
 2008 University of Guelph, Gordon C. Ashton Biometric Lecture
 2008 (and 2009) Université Laval, Québec
 2010 University of Waterloo
 2011 24th International Conference on Screening for Lung Cancer. The Biodesign Institute, Tempe, AZ
 2012 University of Auckland
 2012 University of Sydney
 2012 University of Melbourne (2)
 2012 Murdoch Children's Research Institute
 2012 Fred Hutchinson Cancer Center, Seattle
 2014 (Oct) Invited Speaker at Annual André Aisenstadt Research Day, JGH (Cancer Screening – UPDATE 2014)
 2014 (Dec) Department of Public Health, U Bordeaux (Cancer Screening)
 2015 (Oct 20, World Statistics Day) Department of Mathematics, University College, Cork (Cancer Screening)
 2019 (Feb) Seminar, Dept of Biostatistics and Bioinformatics, Duke University (Cancer Screening)
 2019 (Feb) Seminar, Biostatistics Branch, Division of Cancer Epidemiology & Genetics, NCI/USA (Cancer Screening)
 2019 (Apr) Institute of Medical Biometry and Statistics (IMBI), Albert-Ludwigs-Universität Freiburg (Match or Model?)
 2019 (June) SfoEpi Seminar Series in Biostatistics, Karolinska Institute, Stockholm (Match or Model?)
 2019 (Jun) The Strategic Research Area in Epidemiology (SfoEpi) Karolinska Institutet, Stockholm (Match or Model?)
 2019 (Jun) Department of Medical Epidemiology and Biostatistics, Karolinska Institute, Stockholm (cancer screening)
 2019 (Oct) Epidemiology Seminar Series, McGill University (cancer screening)

Talks at McGill

Division of Community Pediatrics, Montreal Children's Hospital (1) Department of Clinical Epidemiology, Royal Victoria Hospital (6) Department of Clinical Epidemiology, Montreal General Hospital (3) Centre for Clinical Epidemiology and Community Studies (2) McGill Programs in Whole Person Care, Department of Oncology (1) Department of Mathematics and Statistics (1)

Scientific and Program Reviews

Med Research Council Canada: 5-person Review of MRC Research Fellowships Program. 1985
 Royal Society of Canada: 4-person Review of studies conducted by H&W Canada on acute health effects of acid rain. 1988

PhD Thesis Examiner (outside own department)

1985 University of the Witwatersrand, Johannesburg
 1990 Université de Montréal
 1990 Mathematics and Statistics, McGill
 2003 School of Public Health, the University of Sydney
 2005 Carleton University, Mathematics and Statistics
 2006 University of Toronto, Biostatistics (Community Health Sciences)
 2006 Psychology Department, McGill
 2010 Statistics Department, University of Waterloo

G1. RESEARCH ACTIVITIES**Main areas of research**

Biostatistics in general	Receiver operating characteristic analysis
Indices for measuring observer agreement	Survival analysis
Cancer Screening	History of Statistics and Epidemiology

G3. RESEARCH GRANTS (as Principal Investigator)

2011-14*	CIHR	Methods to measure (and measures of) the (actual) mortality reductions produced by cancer screening. \$187,500 (\$62,500/year) co-applicants: N Dendukuri, Z Liu, E Strumpf * no-cost extension to 2020
2007-12	NSERC	Statistical methods for assessing diagnostic tests and estimating individualized probabilities of therapeutic benefit. \$60,000 (\$12,000/year)
2003-07	NSERC	Biostatistical methods for Biostatistical methods for the analysis of follow-up data \$50,000 (\$12,500/year)
2002-03	NIH	Efficacy of treatments for prostate cancer: statistical analysis. subcontract with Dr Peter Albertsen, U Connecticut (\$53,000)
1999-03	NSERC	Biostatistical methods for r.o.c. data, 2-phase case-control studies and measuring observer agreement \$39,900 (\$9,975/year)
1995-99	NSERC	Statistical methods for receiver operating characteristic (roc) analysis \$24,000 (\$6,000/year)
1991-94	NSERC	Statistical methods to assess diagnostic accuracy and observer agreement \$15,000 (\$5,000/year)
1988-90	FRSQ	Improved designs and analyses for studies of observer performance with diagnostic technology \$68,000
1985-86	NSERC	International collaborative research grant (declined)
1984-90	NSERC	Statistical treatment of indices of accuracy, agreement and risk.
1983	McGill	Development of computer-aided teaching of statistical concepts
1978-80	NCI(US)	Statistical Coordinating Center, Radiation Therapy Oncology Group
1979-80	NCI(US)	Exploratory Studies in Cancer Patient Data Control

G3. GRANTS (as Collaborator or Co-Principal Investigator)

(INCOMPLETE)

1998-00	NIH/NCI	Hormonal replacement therapy and risk of colon cancer Collet JP (PI), Csizmadi, Boivin, Hanley, et al \$US 212K/40K years 1/2.
1996-99	NCI/C	Waiting time for breast cancer surgery: an analysis of Quebec Mayo N (PI) and Goldberg, Haggertt, Hanley, et al \$Cdn 116K/116K/86K years 1/2/3.
1996-99	MRC	The 4-provinces study of process and outcome in primary care practice: can it be predicted by licensing examination scores? Tamblyn R (PI) and Brailovsky, Dauphinee, Goel, Hanley, Lescop, McLeod, Norcini, , \$Cdn72K/76K/38K years 1/2/3.
1996-98	FRSQ	Réseau: études sur l'utilisation des médicaments PI: Suissa (40 membres) \$Cdn100,000
1994-95	APQ	Impact of HIV Infection on the Incidence of Tuberculosis: A comparative Study in three Canadian cities using small area analysis --- Menzies R and Hanley J (\$11,300)
1989-91	IRSST	Evaluation of Diagnostic Technologies for Back Pain --- Leclaire, Esdaile,Rossignol, Jéquier, Bourdouxhe (\$220,000)
1991-	FRSQ	Equipe pluridisciplinaire --- Hutchinson, Tousignant
1988-89	FRSQ	The impact of the Higgins intervention program on twin pregnancy outcome --- Dubois, Duquette, Moutquin
1988-91	FRSQ	Adult health status of scoliosis patients--- Poitras and Mayo
1987-89	FRSQ	Equipe pluridisciplinaire --- Hutchinson, Tousignant
1985-86	NHRDP	Evaluation of Digital Diagnostic Imaging --- Brauer PI

NSERC: Natural Sciences and Engineering Research Council of Canada

FRSQ: Fonds de recherche en santé du Québec

IRSST: Institut de recherche en santé et en sécurité du travail du Québec

NCI (US): National Cancer Institute, U.S.A.

APQ: Association pulmonaire du Québec

The list of publications is **subdivided into two parts**, I: those publications which are primarily methodologic, where JH has often been the first author, and II: those which are clinical / epidemiologic i.e., in a substantive area, where JH has been a collaborator. Within each part, publications are further separated into refereed articles vs "other" (editorials, invited articles, reviews, etc.). * indicates a student, and # a postdoctoral fellow, supervised by JH.

Refereed articles: methodologic (103)

2019

Hanley JA. Lest We Forget: U.S. Selective Service Lotteries, 1917-2019. *The American Statistician*, 2019.

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Mullah MAS, **Hanley JA**, Benedetti A. Modeling perinatal mortality in twins via generalized additive mixed models: a comparison of estimation approaches. *BMC Medical Research Methodology*. 2019 Nov 15;19(1):209. doi: 10.1186/s12874-019-0861-2.

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Hanley JA. Individually-matched etiologic studies: classical estimators made new again. *European Journal of Epidemiology*, 2018

Hanley JA The statistical Joys – and added complications – of twin studies (Invited Commentary) *Paediatric and Perinatal Epidemiology*. May 2018

Hanley JA. Statistical Behaviors: Personal and Computer-Aided Observations. *SLAS (Society for Laboratory Automation and Screening) Discovery*. 2018.

Alam S, James **Hanley J.** Betting on a royal birth: how many babies will be born the same day? *Significance Magazine*. 2018.

2017

Hanley JA and Njor SH. Disaggregating the mortality reductions due to cancer screening: model-based estimates from population-based data. *European J. Epidemiology*. 2017. Published online 05 Dec 2017. <https://doi.org/10.1007/s10654-017-0339-7>

Hanley JA, Hannigan A, O'Brien KM. Mortality reductions due to mammography screening: Contemporary population-based data. *PLOS ONE*. 2017. Published: December 20, 2017 <https://doi.org/10.1371/journal.pone.0188947>

Campbell H, **Hanley JA.** Twin data that made a big difference, and that deserve to be better-known and used in teaching. *Journal of Statistics Education*. 2017. Pages 131-136 | Received 15 Sep 2016, Accepted 05 Sep 2017, Published online: 21 Dec 2017

Weichenthal S; Baumgartner J; **Hanley JA.** Sample Size Estimation for Random-effects Models: Balancing Precision and Feasibility in Panel Studies. *Epidemiology*. November 2017.

Hanley JA. The mystery data challenge. *Significance Magazine*. April 2017. On the web. First published: 5 April 2017. DOI: 10.1111/j.1740-9713.2017.01026.x

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Liu* Z(A), **Hanley JA,** Saarela O, Dendukuri N. A Conditional Approach to Measure Mortality Reductions Due to Cancer Screening. *International Statistical Review*

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Hanley J How Deep is the Ocean? *Significance Magazine, 2014*

Liu Z*, Rich B, **Hanley JA.** Recovering the raw data behind a non-parametric survival curve. *Systematic Reviews* . 2014 Dec 30;3:151. doi: 10.1186/2046-4053-3-151.2013

Saarela O, **Hanley JA.** Case-base methods for studying vaccination safety. *Biometrics.* 2014 Sep 15. doi: 10.1111/biom.12222. [Epub ahead of print]

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Liu ZA*, **Hanley JA,** Strumpf EC. Projecting the yearly mortality reductions due to a cancer screening programme. *J Med Screen.* 2013;20(3):157-64. doi: 10.1177/0969141313504088. Epub 2013 Sep 17

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2012

Hanley JA. A Conversation With Olli Miettinen. ^[SEP]*Epidemiology* ('Voices' series) 23(3):495-499, May 2012

2011

Hanley JA and Moodie EEM^[SEP] Sample Size, Precision and Power Calculations: A Unified Approach^[SEP] *J Biomet Biostat* 2011, 2:5. <http://dx.doi.org/10.4172/2155-6180.1000124>

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Editorials, invited articles, reviews, translations, letters, interviews, etc. (24)

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*The list of publications is subdivided into two parts, I: those publications which are primarily methodologic, where JH has often been the first author, and II: those which are clinical/epidemiologic i.e., in a substantive area, where JH has been a collaborator. Within each part, publications are further separated into refereed articles vs "other" (editorials, invited articles, reviews, etc.). * indicates a student supervised by JH*

Refereed articles (192)

2019

Tamblyn R, Abrahamowicz M, Buckeridge DL, Bustillo M, Forster AJ, Girard N, Habib B, **Hanley J**, Huang A, Kurteva S, Lee TC, Meguerditchian AN, Moraga T, Motulsky A, Petrella L, Weir DL, Winslade N Effect of an Electronic Medication Reconciliation Intervention on Adverse Drug Events: A Cluster Randomized Trial. *JAMA Network Open*. 2019 Sep 4;2(9):e1910756. doi: 10.1001/jamanetworkopen.2019.10756

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