

**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

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**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**

2011: McGill University: Principal's Prize for Excellence in Teaching

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

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

**LONGER CV:** <http://www.medicine.mcgill.ca/epidemiology/hanley/cv-2020-02-12.pdf>

**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 <sup>1</sup>	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 <sup>2</sup>	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 <sup>3</sup>	MSc	Associate professor, Dept. of Biostatistics, U of Michigan
1998	Vanessa Catalan <sup>4</sup>	PhD	Research Director, Lakehead University, Ontario
2001	David Hendrick <sup>5</sup>	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 <sup>6</sup>	PhD	Nurse Administrator, Montreal Heart Institute
2006	Carine Bellera	PhD	Biostatistician, Institut Bergonie, Bordeaux, France.
2006	Nathalie Malo <sup>7</sup>	PhD	Biostatistician, Montreal
2007	Robert Pauly	MSc	Assistant Professor, U Alberta, Fac Medicine, Nephrology
2008	Bin Zhang <sup>8</sup>	PhD	Statistician, New Brunswick Department of Health
2009	Ernest Lo <sup>9</sup>	MSc	Biostatistician, Jewish General Hospital
2009	Orit Schieir <sup>10</sup>	MSc	PhD student, University of Toronto
2009	Marie-Eve Beauchamp <sup>11</sup>	PhD	Research Associate, Montreal General Hospital
2011	Dana Teltsch <sup>12</sup>	PhD	Consultant, Boston
2011	Tao Gao <sup>13</sup>	MSc	Research Associate, Montreal
2014	Amy Liu <sup>14</sup>	PhD	Cancer Care Ontario, Toronto
2014	Bill (Shujie) Li <sup>15</sup>	PhD	Pfizer, China
2015	Alex Bliu <sup>16</sup>	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; Csizmadia '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

Updated Feb. 2021

**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 Reviews**Grant 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](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 24<sup>th</sup> 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)  
 2020 (Jan) Biostatistics Branch Seminar Series, NCI/US (cancer screening)  
 2020 (Dec) Mathematics & Statistics, McMaster (data analysis in the time of pandemics)

### 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 (3) 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 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

**G4. PUBLICATIONS – see separate file**

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.

**Hanley JA.** A more intuitive and modern way to compute a small-sample confidence interval for the mean of a Poisson distribution. *Statistics in Medicine*, 2019.

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.

2018

**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

**Hanley JA.** Correction of Selection Bias in Survey Data: Is the Statistical Cure Worse Than the Bias? (Commissioned by the Editors, and published jointly in) *American Journal of Public Health* (2017 Apr;107(4):503-505. doi: 10.2105/AJPH.2016.303644) and *American Journal of Epidemiology*, (Vol 185, Issue 6, 15 March 2017, 409, 411, <https://doi.org/10.1093/aje/kww175>)

2016

**Hanley JA.** Simple and multiple linear regression: sample size considerations. *J Clin Epidemiol.* 2016 Nov;79:112-119. doi: 10.1016/j.jclinepi.2016.05.014. Epub 2016 Jul 5.

2015

Hajna S, Buckeridge DL and **Hanley JA.** Substantiating the impact of John Snow's contributions using data deleted during the 1936 reprinting of his original essay *On the Mode of Communication of Cholera.* *Int. J. Epidemiol.* (2015) doi: 10.1093/ije/dyv164. First published online: August 26, 2015

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

2014

**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]

**Hanley JA,** Saarela O, Stephens DA, Thalabard JC. hGH isoform differential immunoassays applied to blood samples from athletes: decision limits for anti-doping testing. *Growth Hormone and IGF Research.* 2014 Oct;24(5):205-15. doi: 10.1016/j.ghir.2014.06.001. Epub 2014 Jun 11.

**Hanley JA,** Foster BJ. Avoiding blunders involving 'immortal time'. *International J Epidemiology.* 2014 Jun;43(3):949-61. doi: 10.1093/ije/dyu105. Epub 2014 Apr 23. [invited article].

2013

**Hanley JA,** McGregor M, Liu Z\*, Strumpf EC, Dendukuri N. Measuring the mortality impact of breast cancer screening. *Can J Public Health* 2013;104(7):e437-e442.

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

Chiolero A, Paradis G, Rich B, **Hanley JA.** Assessing the Relationship between the Baseline Value of a Continuous Variable and Subsequent Change Over Time. *Front Public Health.* 2013 Aug 23;1:29. doi: 10.3389/fpubh.2013.00029. eCollection 2013.

2012

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

2011

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

**Hanley JA**. Measuring mortality reductions in cancer screening trials. *Epidemiologic Reviews* 2011 Theme Issue on Screening.

2010

Bellera CA\*, Julien M, **Hanley JA**. Normal Approximations to the Distributions of the Wilcoxon Statistics: Accurate to What N? Graphical Insights. *Journal of Statistics Education*, Volume 18, Number 2, (2010)

**Hanley JA**. Mortality reductions produced by sustained prostate cancer screening have been underestimated. *J Med Screen*. 2010;17(3):147-51.

Malo N\*, **Hanley JA**, Carlile G, Liu J, Pelletier J, Thomas D, Nadon R. Experimental design and statistical methods for improved hit detection in high-throughput screening. *J Biomol Screen*. 2010 Sep;15(8):990-1000.

**Hanley J** and Turner E\*. Age in medieval plagues and pandemics: Dances of Death or Pearson's bridge of life? *Significance*, volume 7 issue 2, June 2010, p 85-87. published online: May 18 2010. DOI: 10.1111/j.1740-9713.2010.00426.x

Hutcheon JA, Chiolero A\*, **Hanley JA**. Random measurement error and regression dilution bias. *BMJ*. 2010 Jun 23;340:c2289. doi: 10.1136/bmj.c2289.

Turner EL\* and **Hanley JA** Cultural imagery and statistical models of the force of mortality: Addison, Gompertz and Pearson. *J. Royal Statist. Soc. A* (2010) 173, Part 3, pp. 483-499

Lévesque LE, **Hanley JA**, Kezouh A, Suissa S. Problem of immortal time bias in cohort studies: example using statins for preventing progression of diabetes. *BMJ*. 2010 Mar 12;340:b5087. doi: 10.1136/bmj.b5087.

**Hanley JA**, Hutcheon JA. Does children's energy intake at one meal influence their intake at subsequent meals? Or do we just think it does? *Paediatr Perinat Epidemiol*. 2010 May;24(3):241-8.

2009

**Hanley JA** and Miettinen OS Fitting Smooth-in-Time Prognostic Risk Functions via Logistic Regression *The International Journal of Biostatistics*, Vol 5, Issue 1 2009 Article 3.

Moore L#, **Hanley JA**, Turgeon AF, Lavoie A, Emond M. A multiple imputation model for imputing missing physiologic data in the national trauma data bank. *J Am Coll Surg*. 2009 Nov;209(5):572-9. Epub 2009 Sep 17

Moore L#, **Hanley JA**, Lavoie A, Turgeon A. Evaluating the validity of multiple imputation for missing physiological data in the national trauma data bank. *J Emerg Trauma Shock*. 2009 May;2(2):73-9.

2008

**Hanley JA** and Dendukuri N Efficient sampling approaches to address confounding in database studies *Statistical Methods in Medical Research* 2008 Sep 24.

Julien M\* and **Hanley JA**. Profile-specific survival estimates: Making reports of clinical trials more patient-relevant *Clinical Trials* 2008; 5: 107-115.

Ishak KJ, Platt RW, Joseph L, **Hanley JA** . Impact of approximating or ignoring within-study covariances in multivariate meta-analyses. *Stat Med*. 2008 Feb 28;27(5):670-86.

Bellera CA\*, **Hanley JA**, Joseph L, Albertsen PC. Hierarchical changepoint models for biochemical markers illustrated by tracking postradiotherapy prostate-specific antigen series in men with prostate cancer. *Ann Epidemiol*. 2008 Apr;18(4):270-82.

**Hanley JA**, Julien M\*, Moodie EEM. Student's z, t, and s: What if Gosset had R? *The American Statistician*, February 2008, Vol. 62, No. 1. pp. 64-69.

**Hanley JA** The Breslow Estimator of the Nonparametric Baseline Survivor Function in Cox's Regression Model: Some Heuristics *Epidemiology*, Volume 19, Number 1, January 2008 101-102.

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2006

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Bellera CA\*, **Hanley JA**, Joseph L, Albertsen PC. A Charting tool for estimating the PSA doubling time in patients with prostate cancer. *Int J Radiat Oncol Biol Phys*. 2006 Sep 1;66(1):315-6. Epub 2006 Jul 3.

Sylvestre M-P, Huszti E and **Hanley JA**. Do Oscar Winners Live Longer than Less Successful Peers? A Reanalysis of the Evidence. *Annals of Internal Medicine*. 5 September 2006 | Volume 145 Issue 5 | Pages 361-363

**Hanley JA**, Macgibbon B. Creating non-parametric bootstrap samples using Poisson frequencies. *Computer Methods and Programs in Biomedicine*. 2006 Jul;83(1):57-62. Epub 2006 May 30.

**Hanley JA**, Carrieri MP, Serraino D. Statistical fallibility and the longevity of popes: William Farr meets Wilhelm Lexis. *Int J Epidemiol*. 2006 Jun;35(3):802-5. Epub 2006 Mar 16.

**Hanley JA**, Miettinen OS. An 'Unconditional-like' Structure for the Conditional Estimator of Odds Ratio from 2 x 2 Tables. *Biometrical Journal* 48 (2006) 1, 23–34 DOI: 10.1002/bimj.200510167

**Hanley JA**, Teltsch D\* The PDF of a Function of a Random Variable: Teaching its Structure by Transforming Formalism into Intuition *The American Statistician*, Vol. 60, No. 1, February 2006 pp.61-67

Malo N\*, **Hanley JA**, Cerquozzi S, Pelletier J, Nadon R. Statistical practice in high-throughput screening data analysis. *Nature Biotechnology*. 2006 Feb;24(2):167-75.

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**Hanley JA**, Csizmadi I, Collet JP. Two-stage case-control studies: precision of parameter estimates

and considerations in selecting sample size. *Am J Epidemiol.* 2005 Dec 15;162(12):1225-34. Epub 2005 Nov 3.

**Hanley JA.** Analysis of mortality data from cancer screening studies: looking in the right window. *Epidemiology.* 2005 Nov;16(6):786-90.

Albertsen PC, **Hanley JA**, Barrows GH, Penson DF, Kowalczyk PD, Sanders MM, Fine J. Prostate cancer and the Will Rogers phenomenon. *J. Natl Cancer Inst.* 2005 Sep 7;97(17):1248-53.

Hendrick DJ\*, Becklake M, **Hanley JA.** Discordance Between Cross-Sectional and Longitudinal Studies for the Effect of Dust on COPD: Why? COPD: *Journal of Chronic Obstructive Pulmonary Disease*, Vol 2, Number 4 / 2005, pp 395 - 404

Albertsen PC, **Hanley JA**, Barrows GH, Penson DF, Kowalczyk PD, Sanders MM, Fine J. Prostate cancer and the Will Rogers phenomenon. *J. Natl Cancer Inst.* 2005 Sep 7;97(17):1248-53.

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2003

**Hanley JA.** Negassa A. Edwardes M. Forrester JE. "Statistical analysis of correlated data using generalized estimating equations (GEE): an orientation". *American Journal of Epidemiology*, 2003 Feb 15;157(4):364-75.

2002

Wolfe R, **Hanley J** If we're so different, why do we keep overlapping? When 1 plus 1 doesn't make 2. *Canadian Medical Association Journal.* 2002 Jan 8;166(1):65-6.

Hajian-Tilaki K.O., **Hanley JA:** "Comparison of the three methods for estimating the standard error of the area under the curve in ROC analysis of quantitative data". *Academic Radiology*, 2002 Nov;9(11):1278-85.

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**Hanley JA**, Joseph, L, Platt RW, Chung MK, Bélisle P: "Visualizing the median as the minimum-deviation location". *The American Statistician* 55(2): 150-152, May 2001.

**Hanley JA** "A heuristic approach to the formulas for population attributable fraction". *Journal of Epidemiology and Community Health* 2001; 55:508-514.

2000

**Hanley JA** Theriault G. "Simpson's paradox in meta-analysis." *Epidemiology* 2000 Sep;11(5):613-4.

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Platt RW D, **Hanley JA** Yang H: "Bootstrap confidence intervals for the sensitivity of a quantitative diagnostic test". *Statistics in Medicine*, 19(3):313-322, 2000. Albertsen PC.

**Hanley JA.** Murphy-Setzko M. Statistical considerations when assessing outcomes following treatment for prostate cancer *Journal of Urology.* 162(2):439-444, 1999 Aug.

**Hanley JA.** and Lippman, A Where Do You Stand? Notions of the Statistical 'Centre'. *Teaching Statistics*, 21(2) 49-51, 1999.

**Hanley JA.** Receiver Operating Characteristic (ROC) curves. *Encyclopedia of Biostatistics*, Wiley 1999

1998

Collet JP, Schaubel D, **Hanley J**, Sharpe C, Boivin JF. "Controlling confounding when studying large pharmacoepidemiologic databases: a case study of the two-stage sampling design. *Epidemiology*. 9(3):309-15, 1998.

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Dorfman DD, Berbaum KS, Metz CE, Lenth RV, **Hanley JA**, Abudagga H. Proper Receiver Operating Characteristic Analysis - The BiGamma Model *Academic Radiology*. 4(2):138-149, 1997 Feb.

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**Hanley JA** and Hajian-Tilaki K.O. "Sampling variability of non-parametric estimates of the areas under Receiver Operating Characteristic Curves: an update". *Academic Radiology*, 4(1):49-58, 1997 Jan.

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1996

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1993

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1992

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Zeiss EE, **Hanley JA**: "Mantel-Haenszel techniques and logistic regression". *Pediatric and Perinatal Epidemiology*, 1992, 6, 311-315.

1991

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1988

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1987

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1986

**Hanley JA:** "Evaluating primary prevention programmes against cancer". *Bulletin of the World Health Organization* 64(2): 311-320, 1986.

1985

Clark DC, **Hanley JA**, Weinstein PL, Stamm JW: "An empirically based system to estimate the effectiveness of caries preventive agents". *Caries Research* 19: 83-95, 1985.

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1984

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1983

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**Hanley JA**, Parnes MN: "Nonparametric estimation of a multivariate distribution in the presence of censoring". *Biometrics* 39: 129-139, 1983.

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McNeil BJ, **Hanley JA**, Funkenstein HH, Wallman J: "The use of Paired ROC curves in studying the impact of history on radiographic interpretation: CT of the head as a case study". *Radiology* 149(1): 75-77, 1983.

1982

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McNeil BJ, **Hanley JA:** "Analysis of serial radionuclide bone images in osteosarcoma and breast carcinoma". *Radiology* 135: 171-176, 1980.

1978

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1976

Moertel CG, **Hanley JA:** "The effect of measuring error on the results of therapeutic trials in advanced cancer". *Cancer* 38(7): 338-394, 1976.



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

- Genest C, **Hanley JA** Prévoir les ressources nécessaires pur atteindre son but: Le cas d'espèce de la sonde Rosetta (Un lien utile entre le discret [Poisson] et le continu [Gamma] ). *Accromath* Vol. 10 hiver-printemps 2015
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- Hanley JA**. Diagnostics overkill: Are we screening for cancer too frequently? Up Close (Interview) University of Melbourne, 2012.03.08. [#192](http://upclose.unimelb.edu.au)
- Hanley JA**. Things They Don't Teach You in Graduate School Expanded version of after-dinner-remarks at Conference of Applied Statisticians of Ireland, May 18, 2006. <http://www.biostat.mcgill.ca/hanley/reprints>
- Sadhukhan S<sup>^</sup>, Liu Z<sup>^</sup> and **Hanley JA** Practical and efficient estimates of one's accuracy in darts. **Correspondence:** *JRSS, Series A* vol. 174(4) 1175-1177 (2011). [<sup>^</sup> bios602 students, 2011]
- Hanley JA** The statistical legacy of William Sealy Gosset ("Student") *Community Dental Health*. 2008 Dec;25(4):194-5.
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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

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