

JONATHAN BERKOWITZ

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EDUCATION

<i>Doctor of Philosophy, Statistics</i> , University of Toronto	1984
Ontario Graduate Scholarship, Government of Ontario, 1980-83	
<i>Master of Science, Statistics</i> , University of Alberta	1979
<i>Bachelor of Science, First Class Honours in Applied Mathematics</i> , University of Alberta	1976
Queen Elizabeth Scholarship, Government of Alberta, 1976	

PROFESSIONAL ACTIVITIES

OVERVIEW OF PROFESSIONAL EXPERIENCE

My career combines a consulting practice in applied statistics with a university academic teaching appointment. I have a PhD in Statistics from the University of Toronto. I have been in private practice as a consulting statistician since 1987 and am a Full-Time Instructor in the Sauder School of Business at the University of British Columbia. I am also currently an Associate Member (and past Clinical Associate Professor) in the Faculty of Medicine, also at the University of British Columbia.

I have served as research consultant to several academic and private sector research groups, offering assistance in research design, data analysis, technical writing, and continuing education. I lecture widely and am an award-winning teacher in graduate and undergraduate programs in business and in health care. As a “user-friendly” statistician, I have participated in over 1000 projects in a wide range of collaborative and interdisciplinary research in health care and medicine, social sciences, engineering and biotechnology, management consulting, and law. I have contributed to numerous successful research grant applications and co-written and edited many peer-reviewed publications. I have helped nearly 100 graduate students complete their degrees.

CURRENT EMPLOYMENT

<i>President, Berkowitz & Associates Consulting Inc., Vancouver, British Columbia</i>	From 1987
○ Consulting Statistician	
<i>Faculty Member, Sauder School of Business, University of British Columbia</i>	From 1988
○ Full-Time Instructor (2011-present)	
○ Adjunct Professor (1994-2011)	
○ Sessional Lecturer (1988-1993)	
<i>Faculty Member, Department of Family Practice, Faculty of Medicine, University of British Columbia</i>	From 1990
○ Associate Member (2011-present)	
○ Clinical Associate Professor (2002-2011)	
○ Clinical Assistant Professor (1994-2001)	
○ Clinical Instructor (1990-1993)	

PAST EMPLOYMENT

<i>Faculty Associate</i> Institute of Health Promotion Research, University of British Columbia	1993 – 1998
<i>Director, Statistical Consulting and Research Laboratory</i> Department of Statistics, University of British Columbia	1986 – 1988
<i>Assistant Professor</i> Department of Statistics, University of British Columbia	1985 – 1988
<i>Teaching Postdoctoral Fellow</i> Department of Statistics, University of British Columbia	1984 – 1985
<i>Postdoctoral Fellow</i> Department of Mathematics and Statistics, Simon Fraser University	1983 – 1984

CONSULTING EXPERIENCE

My consulting practice spans the gamut of quantitative inquiry. I have provided expertise in the design and reporting of surveys, experiments, program evaluations, and critical appraisals of all types. I have carried out data analysis and statistical modelling on small data sets, and multi-thousand record databases, and everything between. The following is a description of a representative sample of my activities.

Medical and Health Care Research and Evaluation

Department of Family Practice, University of British Columbia

- I have served as research consultant since 1990. I have assisted over 400 residents to complete their residencies in family practice. I provide consultation to numerous faculty members and practice-based family practice researchers, leading in many cases to peer-reviewed publications in medical literature.

UBC Faculty of Medicine, Vancouver General Hospital, St. Paul's Hospital, BC Children's and Women's Hospital, G.F. Strong Rehabilitation Centre, and related health care organizations

- Collaborations with medical researchers leading to advancement about and transfer of knowledge across the spectrum of medical specialties including: Hematology, Ophthalmology, Urology, Infectious Diseases, Neurology, Anaesthesiology, Orthopaedics, Obstetrics/Gynaecology, Orthopaedics, Respiriology, Radiology, Emergency Medicine, Pharmaceutical Sciences, Spinal Cord Research, Psychology, Physical Therapy, Occupational Therapy, Nursing, and others.

Provincial Surgical Services Project, Provincial Health Services Authority, BC

- As part of the creation and development of a province-wide “live” surgical patient registry, I carried out validity and reliability data analysis of clinical assessment tools to be used by surgeons regarding decision for surgery.

WorkSafe BC

- Led the data analysis and statistical modelling of major studies of predictors of return-to-work of workers following low-back injuries, and subsequent studies evaluating interventions to promote early return-to-work.

Faculty of Dentistry, University of British Columbia

- Collaborated in the design, analysis and reporting of large-scale and small-scale community dental health studies, including effects of defluoridation and problems of over-fluoridation.

The Arthritis Society of BC and Yukon Division

- Served as research consultant and provided continuing statistical education for three years to stimulate research among allied health professionals (physical and occupational therapy, nursing, social work, education) and medical staff.

Faculty of Pharmaceutical Sciences, University of British Columbia

- Carried out data analysis and wrote journal articles to evaluate patient satisfaction with pharmaceutical care activities delivered at community pharmacies. Contributed to various grant-funded basic science research projects.

Social Sciences Research and Evaluation, Corporate Culture Studies

Canadian National Child Care Study, U. of British Columbia, U. of Victoria, U. of Manitoba, U. of Guelph, and Statistics Canada

- Served as senior data analyst for a major four-university research project in collaboration with Statistics Canada that provided reports to assist in developing public policy on child care.

Lower Mainland Hospitals Cultural Diversity Surveys

- Carried out survey design, analysis and reporting of cultural diversity across Lower Mainland hospitals, including St. Paul's Hospital, Surrey Memorial Hospital, Mount St. Joseph Hospital and seven others.

BC Health Care Benefit Trust

- Collaborated on multiple employee health and wellness surveys, and ergonomics studies to improve health of workers across the health care sector.

Program Evaluation and Corporate Culture Surveys (Various)

- Design and analyzed workplace studies and program evaluations with Wilson Banwell & Associates Ltd, Newton and Company, Paula Boddie and Associates, Treena Chomik Consulting, CS RESORS Consulting and others. Organizations studies include: Vancouver Port Corporation, St. Paul's Hospital, UBC Land and Building Services, Canadian Cancer Society, and many others.

Ministry of Advanced Education, Government of BC

- Developed statistical models as part of a review of the provincial funding formula for community colleges and institutes of technology.

Advanced Education Council of BC

- Carried out data analysis and wrote reports to evaluate provincial programs providing Adult Basic Education and English as a Second Language education.

Litigation Support

Various Law Firms in British Columbia

- Provided expert statistical opinion for many cases involving the Medical Services Commission and billing audits of practitioners represented by numerous firms.
- Carried out critical appraisal of scientific and medical journal articles for various legal cases.
- Provided statistical analysis of log-scaling practices in forest industry legal cases.
- Carried out critical appraisal of literature on no-fault insurance for ICBC.

Science, Engineering and Technology

Quorum Consulting Group, and Transport Canada, Government of Canada

- Designed sampling methodology in Review of Canadian Freight Rail system as part of improvements to the Canada Transportation Act. Guided statistical analysis of analysis of rail transit time and car supply performance.

YVR (Vancouver Airport Authority)

- Developed statistical models to predict energy demand and consumption at the Vancouver International Airport.

LightIntegra Technology, Vancouver BC

- Provided experimental design and statistical analysis for development and clinical testing of new medical device to test blood platelet quality for transplant patients.

Generation II Orthotics, Richmond BC

- Designed and analyzed clinical trial of new orthotic knee brace to allow return to daily activities and participation in sports.

BC Research Inc., Vancouver, BC

- Advised on experimental design and carried out data analysis of various studies for the Forest Biotechnology Group and for the Occupational Health Group.

TEACHING ACTIVITIES

University Undergraduate Teaching:

- Sauder School of Business, University of British Columbia
 - Bachelor of Commerce
 - Introductory business statistics 1992 – 1993, 1998 – Present
 - Upper-level second course in business statistics 1996 – 2000

University Graduate Teaching:

- Sauder School of Business, University of British Columbia
 - Master of Management (MM) Classic and Dual Degree programs 2009, 2013 – Present
 - Full-time MBA program 1989 – 1991, 1994 – 2012
 - Part-time MBA program 2004 – 2012
 - International MBA program 2002 – 2012
 - Executive MBA Program 2008 – 2013
 - Business statistics, statistical inference and modelling
- School of Population and Public Health, University of British Columbia
 - Masters of Health Administration (MHA) program 2002 – Present
 - Statistics for management
- Faculty of Applied Science, University of British Columbia
 - Biomedical Engineering Program 2006 – 2008
 - Clinical practice of biomedical engineering

Notable University Teaching Awards:

- Killam Prize for Undergraduate Teaching, University of British Columbia 2005 – 2006
- CGA Graduate Master Teacher Award, University of British Columbia 2002 – 2003
- UBC Commerce Graduate Student Society: Teaching Excellence Award 1995 – 1996
- UBC Commerce Undergraduate Society: Teaching Excellence Award 1997 – 1998
- UBC Sauder MBA: Teaching Excellence Award 2006
- UBC Sauder MBA: Certificate of Outstanding Commitment to Teaching 2002

Other Teaching: Workshops, Short Courses, Seminars:

- BC Children’s Hospital Neonatology Division – Introductory Statistics
- BC Patient Safety and Quality Council – Risk-Adjusted Modelling / SPC Charts (multiple presentations)
- Pearson Education Canada – Increasing Student Engagement in the Classroom
- Vancouver Island Health Authority – Introduction to Statistics
- Population Data BC – Introduction to Statistics
- BC Rural and Remote Health Research Network – Summer Workshops
- BC Children’s Hospital – Short Course on Statistics for Residents and Fellows
- YVR Strategic Planning – Introduction to Regression Modeling
- Ballard Power Systems/AFCC – Principles & Practice of Statistics, Design of Experiments
- Simon Fraser Univ. Continuing Studies: Research Skills for Health Care Professionals
- Greater Victoria Hospital Society – Principles and Practice of Statistics

- Arthritis Society, BC/Yukon Division – Research Design, Data Analysis, Critical Appraisal
- QLT PhotoTherapeutics – Principles of Applied Statistics
- Price Waterhouse – Statistical Forecasting Techniques
- BC Hydro PowerSmart – Statistical Methods in Program Evaluation

Other Professional Activities:

- Regular contributor to CBC Radio (North by Northwest) as The Puzzling Professor and The Word Guy, from Sep. 2015 – present
- Organizer and local host, annual convention of The National Puzzlers’ League July 2002 & July 2015
- Member, Statistical Education Committee, Statistical Society of Canada 2010 – 2012
- Puzzle Editor, CHANCE Magazine, American Statistical Association 2008 – 2013
- Member, Health Services Research Subcommittee, BC Health Research Foundation 1987 – 1991

Professional Membership:

- American Statistical Association
- Institute of Mathematical Statistics
- Statistical Society of Canada

COMMUNITY INVOLVEMENT AND VOLUNTEER ACTIVITIES

Communal Service Highlights

- President, Jewish Federation of Greater Vancouver 1997 – 1999
- General Chair, Combined Jewish Appeal 1997
- President, Congregation Beth Israel Synagogue 2003 – 2005
- Vice-President, Vancouver Talmud Torah 1999 – 2002
- Board Member, Jewish Federations Canada-United Israel Appeal 2013 – 2019
- Member, Wexner Foundation Alumni Council 2016 – 2019

Communal Awards and Honours

- Jewish Federation of Greater Vancouver
 - Arthur Fouks Leadership Award 2002
 - Honorary Life Director 2001
 - United Israel Appeal/Federations Canada Certificate of Merit 1999
 - United Israel Appeal/Keren Hayesod Yakir Award 1998
 - Young Leadership Award 1995
 - Outstanding Leadership and Service Award 1991
- Wexner Heritage Foundation Program Graduate 2000
- Hadassah-WIZO, Male Life Associate Member 1995

Educational Volunteerism

- Telus World of Science, British Columbia
 - Main Stage Presentations, *Math Magic and Wizardry*, 2002
 - Creator and Presenter, *Arithmetricks’ Puzzle Day*, 2003
- Vancouver Talmud Torah, Vancouver Hebrew Academy, Richmond Jewish Day School, Crofton House School, Fraser Academy
 - Presentations on fun with mathematics and word games, Grades K through 7
- Vancouver Talmud Torah High School, Magee High School, Fraser Academy
 - Guest teaching in various grades
- BC High School Math Contest 2007 and 2011, Thompson Rivers University
 - Keynote speaker
- Emcee and quizmaster for One to One Literacy BC annual corporate fundraising event 2016-present

JONATHAN BERKOWITZ, PhD

List of Publications (Updated April 2019)

Textbook

Sharpe NR, De Veaux RD, Velleman PF, **Berkowitz J**. *Business Statistics: A First Course, 2nd Canadian edition*; Pearson Canada Inc., Toronto, 2019.

Sharpe NR, De Veaux RD, Velleman PF, **Berkowitz J**. *Business Statistics: A First Course, 1st Canadian edition*; Pearson Canada Inc., Toronto, 2015.

Publications in process

Moran B, **Berkowitz J**, Zloty D, et al. “Rapidly absorbable versus non-absorbable sutures for Mohs surgery repair on the face: a randomized controlled split-scar study”

Publications appearing in refereed journals

Bajunirwe F, Stothers L, Elliott S, **Berkowitz J**, Macnab AJ. “Associations between sexual satisfaction and function and the severity of lower urinary tract symptoms among men in a rural sub-Saharan African community” *Canadian Urological Association Journal*, 13(11): E350-6, 2019.

Fahmy N, Kouyoumdjian FG, **Berkowitz J**, Martin RE, et al. “Access to primary care for persons recently released from prison” *Annals of Family Medicine*, 16(6): 549-551, 2018.

Bajunirwe F, Stothers L, **Berkowitz J**, Macnab AJ. “Prevalence estimates for lower urinary tract symptom severity among men in Uganda and sub-Saharan Africa based on regional prevalence data” *Canadian Urological Association Journal* 12(11): e447-e452, 2018.

Rieb L, Norman W, Martin RE, **Berkowitz J**, et al. “Linking opioid-induced hyperalgesia and withdrawal-associated injury site pain: A case report” *PAIN Reports*, 3(3): e648, 2018.

Sancton K, Sloss L, **Berkowitz J**, Strydom N, McCracken R. “Low-acuity presentations to the emergency department: reasons for presentation and access to other health care providers prior to emergency presentation” *Canadian Family Physician* 64(8): e354-e360, 2018.

Stothers L, Macnab AJ, Bajunirwe F, Mutabazi S, **Berkowitz J**. “Associations between the severity of obstructive lower urinary tract symptoms and care-seeking behavior in rural Africa: A cross-sectional survey from Uganda” *PLOS One* 12(3): e0173631, 2017.

Stothers L, Brown P, Fenster H, Levine M, **Berkowitz J**. “Dose response of cranberry in the treatment of lower urinary tract infections in women” *Journal of Urology* 195:4 Supp: e555, 2016.

Rieb L, Norman W, Martin RE, **Berkowitz J**, et al. “Withdrawal-associated injury site pain (WISP): A descriptive case series of an opioid cessation phenomenon” *Pain* 157(12): 2865-2874, 2016.

- De Korompay N, Alshammari M, Klass D, Chung J, Pung L, Moore T, **Berkowitz J**, et al. “Intraprocedural parenchymal blood volume (PBV) is a predictor of treatment response for chemoembolization of non resectable hepatocellular carcinoma: a prospective study” *Journal of Vascular and Interventional Radiology* 27(3), Supp: s295, 2016.
- Law GBS, Nathoo H, Reiner E, **Berkowitz J**, Warner SJ, Mikelberg FS. “Correlation in severity between glaucoma and erectile dysfunction” *Journal of Glaucoma* 25(9):716-719, 2016.
- Rivers JK, Vestvik BJ, **Berkowitz J**. “Real world efficacy of 1064 nm Nd:YAG laser for the treatment of onychomycosis” *Journal of Cutaneous Medicine and Surgery* 21(2):108-113, 2016.
- Blouin MM, Al Jasser M, Demanczuk A, **Berkowitz J**, Zloty D. “Continuous versus interrupted sutures for facial surgery repair: A randomized prospective study.” *Dermatologic Surgery* 141:919-928, 2015.
- Bacenas AAP, Ricketts CA, **Berkowitz J**, Caron NR. “GP Surgery: Anyone Interested?” *Canadian Journal of Rural Medicine* 20(1):15-23, 2015.
- MacKay FD, Anderson JE, Klein MC, **Berkowitz J**, et al. “The modified medical office assistant role in rural diabetes care.” *Canadian Journal of Rural Medicine* 19(2):49-56, 2014.
- Gambling DR, **Berkowitz J**, Farrell TR, Pue AF, Shay DC. “A randomized controlled comparison of epidural analgesia and combined spinal-epidural analgesia in a private practice setting: pain scores during first and second stages of labor and at delivery.” *Anesthesia and Analgesia* 116:636-43, 2013.
- Kassam R, Collins, JB, **Berkowitz J**. “Patient satisfaction with pharmaceutical care delivery in community pharmacies” *Patient Preference and Adherence* 6:337-348, 2012.
- Robinson C, Kolesar S, Boyko M, **Berkowitz J**, et al. “Awareness of do-not-resuscitate orders: What do patients know and want?” *Canadian Family Physician* 58:e229-33, 2012.
- MacKenzie M, **Berkowitz J**. “Do procedural skills workshops during family practice resident work?” *Canadian Family Physician* 56(8):e296-301, 2010.
- Kirkham C, **Berkowitz J**. “Listeriosis in pregnancy: A survey of British Columbia practitioners’ knowledge regarding risk factors, counselling practices and learning needs” *Canadian Family Physician* 56(4): e158-166, 2010.
- Kassam R, Collins JB, **Berkowitz J**. “Developing anchored measures of patient satisfaction with pharmaceutical care delivery: Experiences versus expectations” *Patient Preferences and Adherence* 3:113-122, 2009.
- Yip LW, Sothornwit N, **Berkowitz J**, Mikelberg FS. “A comparison of interocular differences in patients with pigment dispersion syndrome” *Journal of Glaucoma* 18(1): 1-5, 2009.
- Hutton EK, Saunders CA, Tu M, Stoll K, **Berkowitz J**. “Factors associated with a successful external cephalic version in the Early ECV Trial” *Journal of Obstetrics and Gynaecology Canada* 30(1): 23-28, 2008.

Davison BJ, So AI, Goldenberg SL, **Berkowitz J**, Gleave ME. "Measurement of factors influencing participation of prostate cancer patients in clinical trials: A Canadian perspective." *British Journal of Urology* 101(8):982-7, 2008.

Olatunde S, Leduc ER, **Berkowitz J**. "Different practice patterns of rural and urban general practitioners are predicted by the General Practice Rurality Index" *Canadian Journal of Rural Medicine* 12(2): 73-80, 2007.

Ogilvie GS, Palepu A, Remple VP, Maan E, Heath K, MacDonald G, Christilaw J, **Berkowitz J**, et al. "Fertility intentions of women of reproductive age living with HIV in British Columbia, Canada" *AIDS* 21(supp 1):S83-S88, 2007.

Schultz IZ, Crook J, **Berkowitz J**, Milner R, Meloche GR. "Predicting return to work after low back injury using the psychosocial risk for occupational disability instrument: A validation study" *Journal of Occupational Rehabilitation* 15(3): 365, 2005.

Stratman G, Gambling DR, Moeller-Bertram T, Stackpole J, Pue AF, **Berkowitz J**. "A randomised comparison of a five-minute versus fifteen-minute lockout interval for PCEA during labor" *International Journal of Obstetric Anaesthesia* 14(30): 207, 2005.

Martin RE, Gold F, **Berkowitz J**, et al. "Drug Use and Risk of Bloodborne Infections: A survey of Female Prisoners in British Columbia" *Canadian Journal of Public Health* 96(2): 97-101, 2005.

Thommasen HV, **Berkowitz J**, Thommasen AT, Michalos AC. "Understanding relationships between diabetes mellitus and health-related quality of life in a rural community" *Rural and Remote Health* 5:441(Online), 2005.

Thommasen HV, Michalos AC, Grzybowski S, **Berkowitz J**, et al. "Determinants of rural physician quality of life" *Social Indicators Research* 69:93-101, 2004.

Schultz IZ, Crook JM, Meloche GR, **Berkowitz J**, et al. "Psychosocial factors predictive of occupational low back disability: towards development of a return-to-work model" *Pain* 107: 77-86, 2004.

Davison BJ, Keyes M, Elliott S, **Berkowitz J**, Goldenberg SL. "Preferences for sexual information resources in patients treated for early-stage prostate cancer with either a radical prostatectomy or brachytherapy" *British Journal of Urology* 93: 965-969, 2004.

Schultz IZ, Crook JM, **Berkowitz J**, et al. "Biopsychosocial multivariate predictive model of occupational low back disability" *Spine* 27(23): 2720-2725, 2002.

Hunt DG, Zuberbier OA, Kozlowski AJ, **Berkowitz J**, et al. "Are components of a comprehensive medical assessment predictive of work disability after an episode of occupational low back trouble?" *Spine* 27(23): 2715-2719, 2002.

Prkachin KM, Schultz IZ, **Berkowitz J**, Hughes E. "Assessing pain behaviour in real time: Concurrent validity and examiner sensitivity" *Behaviour Research and Therapy* 40: 595-607, 2002.

Davison BJ, Gleave ME, Goldenberg SL, Degner LF, Hoffart D, **Berkowitz J**. “Assessing information and decision preferences of men with prostate cancer and their partners” *Cancer Nursing* 25(1): 42-49,2002.

Hall WA, Shearer K, Mogan J, **Berkowitz J**. “Weighing preterm infants before and after breastfeeding: Does it increase maternal confidence and competence” *American Journal of Maternal/ Child Nursing* (27(6): 318-326, 2002.

Henderson N, Grzybowski S, Thommasen C, **Berkowitz J**, Thommasen HV. “Procedural skills performed by British Columbia family physicians” *Canadian Journal of Rural Medicine* 6(30): 179-185, 2001.

Zuberbier OA, Hunt DG, Kozlowski AJ, **Berkowitz J**, et al. “Commentary on the American Medical Association guides' lumbar impairment validity checks” *Spine* 26(24): 2735-2737, 2001.

Hunt DG, Zuberbier OA, Kozlowski AJ, Robinson J, **Berkowitz J**, et al. “Reliability of the lumbar flexion, lumbar extension and passive straight leg raise test in normal populations embedded within a complete physical examination” *Spine* 26(24): 2714-2718, 2001.

Zuberbier OA, Kozlowski AJ, Hunt DG, **Berkowitz J**, et al. “Analysis of the convergent and discriminant validity of published lumbar flexion, extension, and lateral flexion scores” *Spine* 26(20): E472-E478, 2001.

Prkachin KM, Schultz IZ, **Berkowitz J**, Hughes E. “Do you need training to detect pain behaviors?” *Annals of Behavioral Medicine* 23(Supplement), S009, 2001

Thommasen HV, Connelly I, Lavanchy M, **Berkowitz J**, Grzybowski S. “Mental health, job satisfaction, and intention to relocate: Opinions of physicians in rural British Columbia” *Canadian Family Physician* 47: 737-744, 2001.

Thommasen HV, Connelly I, Lavanchy M, **Berkowitz J**, Grzybowski S. “Burnout, depression, and moving away: How are they related?” *Canadian Family Physician* 47: 747-749, 2001.

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Maupome G, Shulman JD, Clark DC, Levy SM, **Berkowitz J**. “Tooth-surface progression and reversal changes in fluoridated and no-longer-fluoridated communities over a 3-year period” *Caries Research* 35(2): 95-105, 2001

Maupome G, Clark DC, Levy SM, **Berkowitz J**. “Patterns of dental caries following the cessation of water fluoridation” *Community Dentistry and Oral Epidemiology* 29(1): 36-46, 2001

Westby MD, Wade, JP, Rangno KK, **Berkowitz J**. “A randomized controlled trial to evaluate the effectiveness of an exercise program in women with rheumatoid arthritis on low dose prednisone” *Journal of Rheumatology* 27: 1674-1680, 2000

- Etherington J, Innes G, Christenson J, **Berkowitz J.** et al. "Development, implementation and reliability assessment of an emergency physician performance evaluation tool" *Canadian Journal of Emergency Medicine* 2(4): 237-245, 2000
- Thommasen, HV, **Berkowitz J**, Grzybowski S. "Community Factors Associated with Long-term Physician Retention" *British Columbia Medical Journal* 42(9): 426-429, 2000
- Clark DC, **Berkowitz J.** "The influence of various fluoride exposures on the prevalence of esthetic problems resulting from dental fluorosis" *Journal of Public Health Dentistry* 57(3): 144-9, 1997.
- Clark DC, **Berkowitz J.** "The relationship between the number of sound, decayed and filled permanent tooth surfaces and the number of sealed surfaces in children and adolescents" *Journal of Public Health Dentistry* 57(3) 171-5, 1997.
- Grunfeld A, Beveridge RC, **Berkowitz J**, FitzGerald JM. "Management of acute asthma in Canada: An assessment of emergency physician behavior" *Journal of Emergency Medicine* 15(4) 547-556, 1997.
- Livingstone VH, Willis CE, **Berkowitz J.** "Staphylococcus aureus and sore nipples" *Canadian Family Physician* 42: 654-59, 1996.
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- Clark DC, Hann HJ, Williamson MF, **Berkowitz J.** "Influence of exposure to various fluoride technologies on the prevalence of dental fluorosis" *Community Dentistry and Oral Epidemiology* 22: 461-4, 1994.
- Clark DC, Hann HJ, Williamson MF, **Berkowitz J:** "Aesthetic concerns of children and parents in relation to different classifications of the Tooth Surface Index of Fluorosis." *Community Dentistry and Oral Epidemiology* 21:360-4, 1993.
- Gambling DR, Huber C, **Berkowitz J**, Howell P, Swenerton J, Ross P, Crochetiere C, Pavy T. "Patient-controlled epidural analgesia in labour: varying bolus dose and lockout interval" *Canadian Journal of Anaesthesia* 40(8): 211-7, 1993.
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- Berkowitz B, Ben-Zvi M, **Berkowitz J.** "A spatial time-dependent approach to estimation of hydrological data" *Journal of Hydrology* 135: 133-142, 1992.
- Berkowitz J.** "A therapeutic trial of interferon in multiple sclerosis: analysis of clinical evaluation" *Canadian Journal of Statistics* 20(1): 91-108, 1992.

Herbert CP, Grams G, **Berkowitz J**. “Sexual assault tracking study: Who gets lost to follow-up?” *Journal of the Canadian Medical Association* 147(8): 1177-1184, 1992.

Philips HC, Grant L, **Berkowitz J**. “The prevention of chronic pain and disability: A preliminary investigation” *Behaviour Research and Therapy* 29(5): 443-450, 1991.

MacEntee MJ, Hill PM, Wong G, Mojon P, **Berkowitz J**, Glick N. “Predicting concerns for the mouth among institutionalized elders” *Journal of Public Health Dentistry* 51(2):82-90, 1991.

Kastrukoff LF, Oger JJ, Tourtellotte WW, Sacks SL, **Berkowitz J**, Paty DW. “Systemic lymphoblastoid interferon therapy in chronic progressive multiple sclerosis II. Immunological evaluation” *Neurology* 41:1936-1941, 1991.

Kastrukoff LF, Oger JJ, Hashimoto SA, Sacks SL, Li DK, Palmer MR, Koopmans RA, Petkau AJ, **Berkowitz J**, Paty DW. “Systemic lymphoblastoid interferon therapy in chronic progressive multiple sclerosis I. Clinical and MRI evaluation” *Neurology* 40:479-486, 1990.

McMorland GH, Douglas MJ, Kim JHK, Kamani AA, Swenerton JE, Ross PLE, Palmer L, **Berkowitz J**. “Epidural sufentanil for post-Caesarean section analgesia: lack of benefit of epinephrine” *Canadian Journal of Anaesthesia* 37(4):432-437, 1990.

Parkinson EA, **Berkowitz J**, Bull CJ. “Sample size requirements for detecting changes in some fisheries statistics from small trout lakes” *North American Journal of Fisheries Management* 8(2):181-190, 1988.

Kastrukoff LF, Morgan NG, Aziz TM, Zecchini D, **Berkowitz J**, Paty DW. “Natural killer (NK) cells in chronic progressive multiple sclerosis patients treated with lymphoblastoid interferon” *Journal of Neuroimmunology* 20:15-23, 1988.

Publications that were not refereed (* denotes book-length)

Schultz IZ, Crook JM, Milner RA, **Berkowitz J**, Meloche GR. “Use of administrative databases to predict occupational disability: A feasibility assessment” *Journal of Workers Compensation*, 12(1): 43-55, 2002.

Russo A, Murphy C, Lessoway V, **Berkowitz J**. “The prevalence of musculoskeletal symptoms among British Columbia sonographers” *Journal of Applied Ergonomics* 33:385-393, 2002.

Pike I, Russo A, **Berkowitz J**, Baker JP, Lessoway VA. “The prevalence of musculoskeletal disorders among diagnostic medical sonographers” *Journal of Diagnostic Medical Sonography* 13(5), 219-227, 1997.

Best JA, Walsh G, Muzin F, **Berkowitz J**. “Healthy Hospital: Towards a Better Tomorrow” *FORUM, Canadian College of Health Service Executives* 10(3): 24-33, 1997.

Gambling DR, Risser R, **Berkowitz J**. “The effects of epidural morphine and epidural butorphanol on maternal outcomes after cesarean delivery” Response to Letter to the Editor, *Anesthesia and Analgesia* 81:1317-8,1995.

*Goelman H, Pence A, Lero D, Brockman L, **Berkowitz J**, Glick N. *Where are the Children? An analysis of child care arrangements used while parents work or study*. A volume in the Canadian Child Care Study, Statistics Canada, 1995.

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Berkowitz J, Glick N. "Consulting with family physicians on research projects" *Family Medicine Research Update* 10(1), 1990.

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Berkowitz J. "Goodness of Fit Test: Cryptic Crossword Puzzles" *CHANCE Magazine, American Statistical Association*, Vol. 21 No. 3 (2008) to Vol. 27 No 1 (2014) – 23 issues

Berkowitz J. "Cryptic Crossword Puzzles" *Cryptic All-Stars, Vols 2 (2015) and 3 (2016)*. crypticallstars.com

Abstracts

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