

CURRICULUM VITAE

March 2015

I. BIOGRAPHICAL DATA

Name: William Amin Ghali, MD, MPH, FRCP(C)
Citizenship: Canadian
Telephone: Office: (403) 210-9317
Present Rank: Professor
Departments: Medicine and Community Health Sciences
Division: General Internal Medicine
Faculty: Medicine
Institution: Foothills Hospital and University of Calgary

II. ACADEMIC RECORD

i) Undergraduate

September 1984 - April 1987

Undergraduate Science. Major - Cellular, Molecular, and Microbial Biology. University of Calgary. Calgary, Alberta. (Completed 3 years of 4 year program prior to entering medical school.)

ii) Special Professional

September 1987 - May 1990

M.D. degree. University of Calgary. Calgary, Alberta.

July 1990 - June 1992

Post-graduate medical residency training in Internal Medicine. Queen's University. Kingston, Ontario.

July 1992 - June 1993

Chief resident. Department of Medicine. Queen's University. Kingston, Ontario.

iii) Graduate and Post-Doctoral

July 1993 - December 1995

Masters in Public Health - Epidemiology and Biostatistics.
Boston University. Boston, Massachusetts.

July 1993 - June 1996

General Internal Medicine Fellowship - Boston University.
(Combined research and clinical fellowship.)

iv) Licensure and Boards

May 1990

Licentiate of the Medical Council of Canada (L.M.C.C.)

September 1993

Board Certification. American Board of Internal Medicine.

June 1994

Fellow of the Royal College of Physicians of Canada, FRCP(C), Internal Medicine.

III. AWARDS AND DISTINCTIONS

2014

Named in the 2014 Thomson-Reuters listing of the world's top 1% of most cited researchers by discipline.

2013

Killam Annual Professorship Award. Awarded by the University of Calgary for career accomplishments in research.

ASTech Foundation Honoree as lead of the W21C initiative. Winner in the Societal Impact Award Category.

2012

Named in Globe and Mail Feature on Top Researchers in Canada. Highest H-index in the Public Health Researcher category.

2011

CIHR/CMAJ Award for Top Achievement in Canadian Research, received on behalf of the Alberta Provincial Project for Outcome Assessment in Coronary Heart Disease (APPROACH)

Selected to host the Royal Couple (Duke and Duchess of Cambridge) in the W21C Research Centre (for which I am PI) during the Royal Visit to Canada (July 2011).

David Sackett Senior Investigator Award. Canadian Society of Internal Medicine. Award for career accomplishments in research.

2010

Induction into the Canadian Academy of Health Sciences, for career accomplishments in research.

Teaching Award. Department of Medicine. University of Calgary. 'Golden Bull Award' - Teaching award for senior faculty members.

2009

Distinguished Alumnus Award. Faculty of Medicine, University of Calgary. Award for career achievements in research.

Department of Medicine Innovation Award. (Received as member of the W21C team.). Faculty of Medicine, University of Calgary.

2008

Teaching Award. Department of Medicine. University of Calgary. 'Repeat Offender Award' - for long-term teaching contributions to Internal Medicine residency training.

Teaching Award. Department of Medicine. University of Calgary. (Award for excellence in teaching to Clinical Clerks)

2007

Teaching Award, Department of Medicine, University of Calgary. (Award for excellence in teaching to Clinical Clerks)

2006

Honourable Mention for the Provincial Resident Well-being Award. Professional Association for Residents of Alberta (PARA).

Recipient of Royal College of Physicians and Surgeons of Canada Visiting Professorship in Medical Research (nomination from McGill University, Montreal, Quebec)

Recipient of Canada Research Chair in Health Services Research (5 year funding term beginning January 1, 2006)

2005

Distinguished Alumnus Award, Boston University School of Public Health, Boston, MA, USA.

Exceptional Reviewer Award, awarded by the journal *Medical Care* to 15 reviewers annually for outstanding contributions in the peer review process.

Faculty of Medicine, University of Calgary – Watanabe Faculty Achievement Award for Overall Performance.

2004

Teaching Award, Department of Medicine. University of Calgary. (Award for excellence in teaching to Clinical Clerks)

Teaching Award. Department of Medicine. University of Calgary. (Award for supervision of medical residents in research)

Exceptional Reviewer Award, awarded by the journal *Medical Care*

Selected to present the annual Joseph Dvorkin Memorial Lecture at Cardiac Sciences Research Day, University of Alberta, Edmonton, Alberta.

2003

Named one of Canada's 'Top 40 Under 40'. (Award coordinated by The Globe and Mail, The Caldwell Partners and The Report on Business Magazine)

Named one of Calgary's 'Top 40 Under 40'. (Award coordinated by Calgary Inc. Magazine)

Teaching Award, Department of Medicine, University of Calgary - Post-graduate Residency Training Program.

Exceptional Reviewer Award, awarded by the journal *Medical Care*

2002

Alberta Heritage Foundation for Medical Research - Health Scholar Award.

2001

Canadian Institutes of Health Research – New Investigator Award (declined in favor of Canada Research Chair)

Faculty of Medicine, University of Calgary – Cochrane Faculty Achievement Award for Research

2000

Recipient of Canada Research Chair in Health Services Research (5 year term beginning Jan 2001)

Teaching Award, Department of Medicine, University of Calgary - Post-graduate Residency Training Program (Bedside teaching)

Faculty of Medicine, University of Calgary - Cochrane Faculty Achievement Award for Research

1999

Faculty of Medicine, University of Calgary - Cochrane Faculty Achievement Award for Research

Alberta Heritage Foundation for Medical Research - Population Health Investigator Award (renewal)

1998

Faculty of Medicine, University of Calgary - Dr. Mo Watanabe Faculty Achievement Award for Education and Research (Overall performance)

Canadian Society of Internal Medicine - Young Investigator Award

1997

Massachusetts Health Data Consortium - Investing in Information Award

Teaching Award, Department of Medicine, University of Calgary – Post-graduate Residency Training Program (“Rookie of the year”)

1996

Alberta Heritage Foundation for Medical Research - Population Health Investigator Award.

University of Calgary and PetroCanada - Young Innovator Award (university research award for junior faculty members).

1995

Trainee Investigator Award. American Federation for Clinical Research (AFCR).

Alberta Heritage Foundation for Medical Research - Clinical Fellowship Award (to fund ongoing fellowship training at Boston University).

1993

Physician Services Incorporated Award for excellence in research by residents. (Research on blood transfusion practices conducted during chief resident year at Queen's.)

1992

Chief resident for the 1992-93 academic year (Department of Medicine), Queen's University, Kingston, Ontario.

1986, 1987 (summers)

Alberta Heritage Foundation for Medical Research - Summer Student Scholarships. Research supervisor: Dr. D. Befus. Immunology Research Group. University of Calgary.

1986

Paul McLeod Chemistry Award. Academic achievement. Organic Chemistry. University of Calgary.

1985, 1986, 1987

Alberta Heritage Scholarships. Academic achievement. Faculty of Science, University of Calgary.

1985

Department of Chemistry Book Prize. University of Calgary.

IV. ACADEMIC APPOINTMENTS**July 2010 – present**

Scientific Director. O'Brien Institute for Public Health. University of Calgary.

June 2005 – present

Professor. Division of General Internal Medicine, Department of Medicine, and Department of Community Health Sciences, Faculty of Medicine, University of Calgary.

July 2006 – December 2006

Visiting Professor (sabbatical leave). Department of Medicine and Institute of Social and Preventive Medicine, University of Lausanne, Lausanne, Switzerland.

July 2000 – June 2005

Associate Professor. Division of General Internal Medicine, Department of Medicine, and Department of Community Health Sciences, Faculty of Medicine, University of Calgary.

January 2003 – June 2003

Visiting Professor (sabbatical leave). Department of Medicine and Institute of Social and Preventive Medicine, University of Lausanne, Lausanne, Switzerland.

July 1996 - June 2000

Assistant Professor. Division of General Internal Medicine, Department of Medicine, and Department of Community Health Sciences, Faculty of Medicine, University of Calgary.

June 1999 - present

Research Fellow. Institute of Health Economics, Edmonton, Alberta.

July 1999 - December 1999

Visiting Professor (sabbatical leave). Department of Medicine and Institute of Social and Preventive Medicine, University of Lausanne, Lausanne, Switzerland.

July 1993 - June 1996

General Internal Medicine Fellow. Boston University Medical Center, Boston University School of Medicine, Boston, Massachusetts.

July 1990 - June 1993

Internal Medicine resident. Kingston General and Hotel Dieu Hospitals, Queen's University, Kingston, Ontario.

V. EDUCATIONAL ACTIVITIES**i) Undergraduate****July 1993 - June 1996 (Boston University)**

- Clinical skills teaching (fall 1993)
- Facilitation of problem-based learning groups (spring '94)
- Development and implementation of a curriculum for the teaching of evidence-based medicine to 3rd year students (1994 through 1996).

September 1996 -

- Small group teaching and lectures in the Evidence-Based Medicine course for 1st and 2nd year students (annually)
- Faculty advisor for occasional medical students
- Research elective supervisor for occasional medical students
- MDCN 320 - Medical Skills Course - Evidence-Based Medicine
- MDCN 420 - Medical Skills Course - Evidence-Based Medicine
- MDCN 440 – Reviewer of student research protocols.
- Cardiovascular System Course - Annual Lecture in CV Epidemiology (1996-1999)
- Evidence-based Medicine Course - Introduction to Evidence-based Medicine (2000)
- LMCC review course – lecture on fundamentals of epidemiology (2000, 2001, 2002)
- Frequent Summer Studentship supervisor.

ii) Graduate

September 1996 -

- Co-supervisor for two PhD student (Colleen Norris, Padma Kaul) at the University of Alberta (Public Health Sciences) (1997-2002)
- Member of supervisory committee for other PhD students (Padma Kaul at the University of Alberta, Sabine Moritz and Andrea Con, U of Calgary, Cynthia Beck and Jane Kang, U of Calgary)
- Lead Supervisor for multiple MSc students (Community Health Sciences) (1999-present)
- Lead Supervisor for multiple PhD students (Community Health Sciences) (2001-present)
- Member of numerous MSc supervisory committees (1997-present)
- Member of numerous PhD supervisory committees (1999-present)
- Examiner for multiple PhD candidacy examinations (1997-present)
- Lecture to incoming graduate students in Community Health Sciences (September 1998, 'Research on Quality')
- Lecture for graduate course # MDSC 629.02 - 'Cardiovascular Epidemiology' (1996,1998,2000)
- Lecturer, Health Research Methods I – Graduate Course in the Department of Community Health Sciences. (Fall Session, 2001-2003)
- Co-instructor, Health Research Methods II - Graduate Course in the Department of Community Health Sciences. (Winter Sessions, 2000-2002)
- Lead Instructor and Course Coordinator, MDSC 711. Systematic Reviews and Meta-Analysis. (Winter Sessions, 2005-present)
- Lead Instructor and Course Coordinator, MDSc 647.15. Clinical Epidemiology.

iii) Post-Graduate

July 1993 - June 1996 (Boston University)

- Co-attending role (in- and out-patient settings)
- Facilitation of housestaff Journal Club (1993-1996)

September 1996 -

- Supervision of numerous resident research projects (>15 different residents)
- Clinical teaching, Medical Teaching Unit and Consult Service
- Invited speaker: "Quality/Utilization in Health Care" post-graduate theme conference (April 1997)
- Coordination and delivery of annual 6-week course in evidence based medicine for residents (yearly, 1996-present)
- Coordination and delivery of the same evidence-based medicine course at the University of Lausanne (1999, 2003)
- Coordination and delivery of a yearly two-day evidence-based medicine symposium for residents (faculty-wide, 1998, 2000, 2002, 2004)
- Lecture on "Update on diagnosis and treatment of DVT" - Summer Seminar Series (Aug. '98)
- Examiner for R3 Practice Oral Examinations (1996-2002)

- Supervisor for post-doctoral research fellows - Dr. Hude Quan, Dr. Peter Faris, Dr. James Kennedy, Dr. Susan Brien, Dr. Fiona Shrive, Dr. Doreen Rabi, Dr. Sean Bagshaw.
- Officially listed as 'mentor' for various faculty members (including Hude Quan, Brenda Hemmelgarn, Colleen Norris, Kathy King, Elijah Dixon, Michelle Graham, Doreen Rabi, Maeve O'Beirne)

iv) Continuing Medical Education

September 1996 -

- CME - coordinated workshop for the "Methods in Health Care research course." (April '97)
- CME - lecturer: Advances in Internal Medicine Course (June 1997 and 1999)
- Coordination and delivery of a full-day CME mini-course in evidence-based medicine for practicing M.D.'s (June'98)
- Lecture on "Basic concepts in epidemiology" for the CME evening seminar series for family physicians (Oct.'98)
- Coordination of the 1998 Health Research Methods Course, theme on research using secondary data (April '98) (Also applied for and obtained AHFMR conference funding for this event)
- Lecture on 'Use of Administrative data' - Health Research Methods Course (April 1997 and 1998)
- Lecture on 'Evidence-based Therapeutics' - Calgary Therapeutics Course. (March '98)
- Lecture on 'Critical assessment of drug class effects' - Calgary Therapeutics Course. (March 2000)
- Coordination (Course Director) of the two day 'Epidemiology in Clinical Care' course featuring prominent international speakers and held in Jan 2002.
- Lecture on Interpretation of Diagnostic Tests - Calgary Hospitalist Conference (October 1, 2004)
- Plenary Lecture to the Calgary Therapeutics Course: 'Systematic reviews and the evolution of medical knowledge'. (April 2008)
- Workshop lecture, Calgary Therapeutics Course: 'Reading the Medical Literature'. (April 2008)

VI. ADMINISTRATIVE RESPONSIBILITIES

i) Departmental

July 1992 - June 1993 (Queen's University)

- Chief resident, Department of Medicine. (This position entailed many administrative activities and involvement in a number of Departmental committees.)

July 1993 - June 1996 (Boston University)

- Coordination of Department of Medicine Journal Club curriculum. (This involved coordinating the journal clubs being conducted in 3 university-affiliated teaching hospitals.)

September 1996 -

- Coordination of the General Internal Medicine Research in Progress Seminar (Sept. '97 - 2003)
- Divisional Representative on the Department of Medicine's Quality Utilization Committee (Jan. '98 - 2004)
- Member of GIM Headship Search Committee (2000)
- Member of Div of Nephrology Health Researcher Search Committee (2000, 2002)
- Member of Dept of Clinical Neurosciences Health Researcher Search Committee (2000)
- Member of Representative Forum, Libin Cardiovascular Institute (2004)
- Member of CHAPS (Centre for Health and Policy Studies) Council (2002-2009)
- Scientific Director of the Calgary Institute of Public Health (2010-present)

ii) Regional Health Authority

- Member of the Cardiac Services Committee - involved in ongoing review of outcomes of cardiac care in the CRHA (1997 - 2002)
- Met with external reviewers of the Cardiac Surgery Program for review of CABG surgery outcomes (November 1998)
- Member of the Regional Quality Utilization Committee (2000)
- Member of the Department of Medicine venous thromboembolism quality improvement team (2001-2004)
- Member of a Department of Clinical Neurosciences venous thromboembolism quality improvement team focusing on prophylaxis (2002-2004)
- Met with external consultant regarding establishment of a regional pharmacology quality service (November 2000)
- Member of Regional Strategic Research and Planning Council (2004-present)
- Calgary Health Region Strategic Research Planning Committee (2004-present)

VII. PROFESSIONAL ACTIVITIES

i) Memberships

Alberta Medical Association (+ CMA)	1996 - present
Canadian Society of Internal Medicine	1995 - present
Association for Health Services Research	1995 - 2000
Sydenham Society	1995 - 1998
Royal College of Physicians and Surgeons	1994 - present
Society of General Internal Medicine	1993 - present
American College of Physicians	1991 - present
Canadian Society for Clinical Investigation	1999 – present
Canadian Cardiovascular Society	2004-2007

ii) Professional Services

Grant Reviews

- 1993 through 1995, U.S. Veterans Affairs Health Services Research and Development Program.
- 1996 to 1999, member of Conjoint Scientific Review Committee, University of Calgary

- 1997 - External reviewer for the St. Paul's Hospital Foundation, Vancouver, B.C.
- 1998 – present. Frequent external reviews for CIHR
- 1998 - external review for AHCPR (U.S.)
- 1998 - reviewer for CLS/CRHA special funding competition
- 2000 to 2002 - internal reviewer, Clinical Research Committee #1, Heart and Stroke Foundation of Canada.
- 2003 to present, Chairman, Clinical Research Review Committee #1, Heart and Stroke Foundation of Canada.
- 2000 - Summer Studentship review committee, Alberta Heritage Foundation for Medical Research
- 2001 – internal reviewer for the Canadian Stroke Network/Heart and Stroke Foundation Personnel Support Awards competition
- 2000 - reviewer for CRHA special funding competition
- 2002 to 2005 – reviewer for the Health Services Research Committee (A), Operating Grants competition, Canadian Institutes of Health Research.
- 2006 to present – Scientific Officer for the Health Services Research Committee (A), Operating Grants competition, Canadian Institutes of Health Research.
- 2002 - reviewer for Health Training Review Committee A, Canadian Institutes of Health Research
- 2003 – reviewer for MAC #2, Innovation Fund competition, Canadian Foundation for Innovation.

Journal Reviews (many reviews for various journals)

JAMA
 Medical Care
 Annals of Internal Medicine
 Canadian Medical Association Journal
 Journal of General Internal Medicine
 Journal of Clinical Epidemiology
 Canadian Journal of Cardiology
 Journal of the American College of Cardiology
 New England Journal of Medicine
 Journal of the Joint National Commission
 Journal of Rheumatology
 International Journal of Epidemiology
 Pharmacoeconomics
 American Heart Journal
 American Journal of Cardiology
 BMJ
 American Journal of Medicine
 International Journal of Epidemiology
 Circulation
 International Journal for Quality in Health Care
 (and others)

(Currently doing an average of 1 review per month)

National Committees

- 1993 through June 1996, Member of the Massachusetts Red Blood Cell Transfusion Study Group coordinated by the Massachusetts Peer Review Organization (a government agency). This committee was charged with a state-wide review of red blood cell transfusion practices in elective orthopedic surgery.
- Member of Research Coordinating Committee, Institute of Health Economics, Edmonton Alberta (1999-2001).
- Member of Research Committee, Canadian Society of Internal Medicine (1999-present)
- Abstract Review Committee, Society for General Internal Medicine (1999)
- Primary panelist, Canadian Cardiovascular Society National Consensus Conference on Heart Disease and the Elderly (2002-present)
- Planning committee for national practice guideline development in stroke, CIHR New Frontiers Program (2002)
- Member of Editorial Board, Canadian Journal of Cardiology (2000-present)
- Member of Editorial Board, Canadian Medical Association Journal (2000-2007)
- Member of Editorial Board, BMC Health Services Research (2005-present)
- Member of Data Monitoring and Safety Committee for the Cardiomy Trial, led by Dr. Fraser Rubens (2004)
- Member of the TORCH (CIHR) training program executive committee (2003-2005)
- Associate Editor of Open Medicine (2006-present)
- Associate Editor of the Canadian Journal of General Internal Medicine (2006-present)
- Chair of the Canadian Society of Internal Medicine Globalization Committee (2006-present)
- Member of the Canadian Patient Safety Institute Research Advisory Committee (2009-2011)

Other Activities

- Interviewed by the Krever Commission (1994) regarding research on red blood cell transfusion practices.
- Presentation to the B.C. and Manitoba Ministries of Health (1997) - 'Studying cardiovascular outcomes'
- External review of applicants for academic faculty positions at Dalhousie University and UBC (2000)
- External review of applicant for promotion at UBC (2002)
- Consultation to Saskatchewan Health on use of administrative data to detect occurrence of adverse events (2002)
- Consultation to Ministry of Health in Victoria, Australia on use of administrative data to measure comorbidity (2002)
- Chair of perioperative medicine interest group session, Annual Meeting of Canadian Society of Internal Medicine. (2001, 2002)
- Review of a Diabetes Practice Atlas chapter for the Institute for Clinical Evaluative Sciences (2002)
- Review of the confidential Cardiac Procedure Utilization Target Setting Report prepared by the Cardiac Care Network of Ontario (2003)
- Invited to consultation for advisors of the Hon. Paul Martin on health system waiting list issues (2003)
- Invited to consultation directly to the Hon. John Manley and other members of the Federal Dept of Finance on priorities for future federal spending (2003).

- External review of applicant for promotion to Full Professor, Dalhousie University (2003)
- External review of applicant for promotion to Associate Professor, University of Toronto (2003)
- External review of applicant for promotion to Associate Professor, University of British Columbia (2003)
- External review of applicant for promotion to Associate Professor, Weill Medical College, New York, NY (2003)
- External review of applicant for promotion in the Kunin-Lunenfeld Applied Research Unit, Baycrest Centre for Geriatric Care, University of Toronto (2003)
- Planning Committee, Plenary Sessions, American Heart Association Scientific Forum on Quality of Care and Outcomes Research (2003)
- Consultation to CIHR, Institute for Health Services and Policy Research, Symposium on Future Directions, Invited to pre-symposium consultation (2003)
- External review of applicant for promotion to Clinical Professor, Ohio State University (2004)
- External review of applicant for promotion to Associate Professor, University of Alberta (2004)
- External review of applicant for promotion to Associate Professor, University of Ottawa (2004)
- Chair of the Canadian Health Health Strategy Theme Working Group on Acute Care and Diagnostics (2007-2008)
- Chair of the Canada Health Infoway/Canadian Patient Safety Institute Roundtable on electronic health records and patient safety (2007)
- Chair of the Canadian Patient Safety Institute Roundtable on electronic health records and medication reconciliation (2009)

VIII. RESEARCH SUPPORT

(Principal Investigator unless otherwise indicated.)

AHFMR Population Health Investigator Award, base salary support and \$160,000 operating funds over 3 years. Evaluation of hospital mortality and complication rates after coronary artery bypass surgery in Western Canada. (July '96 - June '99)

Ralph Coombs Health Services Research Fund, Foothills Hospital Foundation, \$21,750 operating grant. Measuring the impact of Calgary's hospital closures: Length of stay, costs, and severity of illness at Foothills hospital. (July '96 – June 2001)

Foothills Hospital Foundation, \$18,000 operating grant. "Comparative validation of clinical data elements in general medical and surgical discharge records from adult acute-care hospitals in the Calgary region". (July '97 – June 2000)

Foothills Hospital Foundation, \$1500 operating grant. (Resident research project: (Pre-operative cardiac risk assessment in non-cardiac surgery: Evaluating the practices of medical consultants. (Jan '97 - Dec '97)

University of Calgary/PetroCanada, Young Innovator Award, \$20,000 operating grant. Assessing the impact of sociodemographic factors on decisions concerning revascularization procedures in patients with coronary artery disease - pilot project. (Jan '97 - Oct. '97)

University of Calgary and Government of Alberta, \$20,000 operating grant. Research Excellence Envelope. (July '96 - June '97)

Foothills Hospital Foundation, \$4250 operating grant. "Hospital Closures and the Medical Teaching Unit Case-mix." Co-investigator with Dr. Elizabeth MacKay. (May '98 – June 2000)

Alberta Heritage Foundation for Medical Research, \$10,000. Conference funding to support travel for visiting speakers. Co-applicant with Dr. Heather Holley. (March 1998)

Foothills Hospital Foundation, \$20,000 operating grant. "Pre-operative anxiety and depression: Prevalence and prognosis." Co-investigator with Dr. Heather Holley. (April '98 – June 2001)

Foothills Hospital Foundation, \$4323 operating grant. "Impact of Pre-operative Clinic Medical Assessment on Post-Operative Outcomes". Co-investigator with Dr. Jane Lemaire and Dr. Jennifer Bugar (resident). (Sept '98 – June 2001)

Capital Health Authority (Edmonton), \$13,925 operating grant. "Understanding the Barriers to Warfarin Anticoagulation in Patients with Atrial Fibrillation." Co-investigator with Dr. Ross Tsuyuki and Dr. Tammy Bungard. (Nov '98 – June 2000)

Heart and Stroke Foundation of Canada. "Sociodemographic Factors and Access to Cardiac Procedures". \$100,000 operating grant - (July '99 - June '01)

AHFMR, Renewal of Population Health Investigator Award - Base salary support (July '99 - June '02)

Calgary Regional Health Authority - "A cost-utility study of renal replacement therapy: The implications of casemix." - \$20,000 operating grant. Co-investigator with Dr. C. Donaldson. (April '99 – June 2002)

Alberta Health Research Fund - "A cost-utility study of renal replacement therapy: The implications of casemix." - \$84,000 operating grant. Co-investigator with Dr. C. Donaldson. (2000 - 2002)

Foothills Hospital Foundation. "The influence of sociodemographic and ethnic factors on in-hospital treatment and management of myocardial infarction: implications for quality of care." - \$20,000 operating grant. Co-investigator with Dr. C. Maxwell (PI). (April '99 – June 2002)

Institute of Health Economics. "International comparison of diagnostic and treatment practices for deep vein thrombosis" - \$25,725. Co-PI with Dr. J. Cornuz. (August '99 – June 2002)

Calgary Regional Health Authority. Clinical trial of preoperative discontinuation vs. continuation of furosemide. \$7500. Co-applicant with Dr. N. Campbell and Dr. Nadia Khan (fellow). (July 2000 - present)

Canadian Institutes of Health Research. 'Appropriateness and outcomes of carotid endarterectomy' - \$240,000 operating grant. Co-investigator with Dr. T. Feasby (PI). (July 2000- June 2003)

National Centres of Excellence. Canadian Stroke Network - Subproject on atrial fibrillation decision aids. \$65,000 operating grant for Calgary portion of study. Co-investigator with Dr. F. McAlister (PI). (Jan 2001 - Dec 2001)

Calgary Regional Health Authority. Evaluation of Intra-aortic Balloon Pump Use in Cardiac Surgery. \$3000. Co-investigators: Dr. R. Baskett (fellow), Dr. A. Maitland, Dr. G. Hirsch. (Jan 2001 - June 2001)

Calgary Regional Health Authority. Pilot study of stress steroid coverage for patients undergoing non-cardiac surgery. \$7500. Co-investigator with Dr. D. Buie (PI), and Dr. C. Brown. (April 2001 – present).

Canadian Institutes of Health Research (with supplemental funding from Heart and Stroke Foundation of Canada) – Interdisciplinary Health Research Team Competition. CCORT – the Canadian Cardiovascular Outcomes Research Team. \$6,000,000. Co-investigator with Dr. J. Tu (PI) and others. (April 2001 - March 2006)

Canadian Institutes of Health Research. Highly centralized tertiary care services and access to high technology care for myocardial infarction. \$123,000 (April 2001 – March 2003).

Canadian Diabetes Association. Validation of claim-based methods for identifying individuals with diabetes. \$80,000 (July 2001 – June 2003).

Canadian Foundation for Innovation (through Canada Research Chairs Program). Broadening the scope of APPROACH. \$289,000 (combined CFI and Alberta government matching funding) (July 2001 - June 2004)

Alberta Health Research Fund. Outcomes assessment in the intensive care unit. \$100,000. (Co-investigator with Dr. C. Doig (PI). July 2001 – June 2003)

Social Sciences and Humanities Research Council. Modifying Cardiovascular Disease Risk. \$90,000 (Co-investigator with Dr. K. King (PI)). April 2001 – March 2004.

Calgary Regional Health Authority. Alberta Atlas of Cardiac Procedures. \$20,000 (Co-investigator with Dr. M. Knudtson (PI)). April 2001 – March 2003.

Canadian Institutes of Health Research. Randomized trial of beta blocker therapy perioperatively. \$5,000,000. (one of many co-investigators with Dr. H. Yang (PI)). November 2001-December 2004.

National Centres of Excellence. Canadian Stroke Network - Subproject on atrial fibrillation decision aids. (Renewal) \$50,000 operating grant for Calgary portion of study. Co-investigator with Dr. F. McAlister (PI). (Jan 2002 - Dec 2002)

M.S.I. Foundation. Cardiovascular Genetic Susceptibility Unit. \$200,000. Co-investigator with Dr. H. Duff (PI). (July 2001-June 2003)

Calgary Health Region. Survey of reasons for chelation therapy use among Alberta patients undergoing coronary angiography. \$17,000. Co-PI with Dr. Hude Quan. (February 2002-December 2003)

Institute of Health Economics. Clinical Prediction Rule for Outcomes after Percutaneous Coronary Intervention Performed for Patients with Acute Coronary Syndromes. \$46,000. (February 2002-February 2004)

Kidney Foundation. A prospective evaluation of kidney function in a community-based elderly population. \$42,000 (funding for year 1 of 3 year study). Co-investigator with Dr. B. Culleton (PI) (July 2002-June 2005)

Alberta Health Research Fund. The effect of continuous positive airway pressure on healthcare utilization and costs among patients with obstructive sleep apnea: a multidimensional study. \$80,000. Co-investigator with Dr. W. Tsai (PI) (July 2002 – June 2004)

Canadian Institutes of Health Research. Cardiac procedure waiting times: Exploratory analyses toward the development of national reporting standards. \$227,000. (October 2002-September 2004)

Canadian Institutes of Health Research. Secondary prevention – the gap between evidence and practice. \$123,000. Co-investigator with Dr. K. Humphries (PI) (October 2002-September 2004)

Canadian Institutes of Health Research and Canadian Institute for Health Information. Adverse events in Canadian Hospitals. \$800,000. Co-investigator with Drs. Ross Baker and Peter Norton (PIs) (October 1, 2002-September 30, 2003)

Canadian Institutes of Health Research. Alliance for Canadian Health Outcomes Research in Diabetes. New Emerging Team Grant. \$908,600. Co-investigator with Dr. Jeff Johnson (PI). (July 2002 – June 2007)

Canadian Institutes of Health Research. The Impact of Neurocognitive and Psychological Factors on Quality of Life and Functional Recovery among Older Patients Undergoing Coronary Revascularization Procedures. \$204,819. Co-investigator with Dr. Colleen Maxwell (PI). (April 2003 – March 2006)

Canadian Institutes of Health Research. Validity of ICD-10 administrative data in recording comorbidity information. \$173,029. Co-investigator with Dr. Hude Quan (PI). (April 2003 – March 2005)

Alberta Health Research Fund (and AHFMR). Health surveillance for acute myocardial infarction in Canada: a comparison of administrative and laboratory data case definitions. \$82,000. Ghali (PI) and Galbraith – co-PI. (July 2003 – June 2005)

Alberta Health Research Fund (and AHFMR) and Institute of Health Economics. How can we pay for population health improvements? The application of risk adjustment models in Alberta. \$113,500. Co-investigator with Dr. Mingshan Lu (PI). (July 2003 – June 2005)

Canadian Institutes of Health Research. Outcomes of after-hours primary percutaneous coronary intervention for acute myocardial infarction in Alberta. \$80,000. Co-investigator with Dr. Michelle Graham (PI). (October 2003-September 2005)

Canadian Institutes of Health Research. Gender differences in health related quality of life outcomes following treatment for coronary artery disease. \$212,122. Co-investigator with Drs. Louise Jensen and Colleen Norris (Pis). (October 2003 – September 2006)

Canadian Institutes of Health Research. The appropriateness intravenous of immunoglobulin (IVIG). \$78,945 (year 1). Co-investigator with Dr. Thomas Feasby (PI). (October 2003 – September 2006)

Institute of Health Economics. Implementation of an ICD-10 data merging solution for missing data. \$17,500. (April 2004 – March 2005)

Canadian Institutes of Health Research. Ethnic differences in access to cardiac procedures. \$42,000 per year. Co-investigator with Dr. Hude Quan (PI). (April 2004 – March 2006)

Canadian Institutes of Health Research. U.S. – Canadian comparison of cardiac care in the Elderly. \$49,000 per year. Co-investigator with Dr. Padma Kaul (PI). (April 2004 – March 2006)

Heart and Stroke Foundation of Canada. ESP – CAD trial. \$49,000 per year. Co-investigator with Dr. Finlay McAlister (PI). (July 2004 – June 2006)

Canadian Institutes of Health Research. International Collaborative Network for the Development of Methodological Applications for Administrative Data. \$15,000. Workshop Grant. (2004/2005).

Canadian Institutes of Health Research and Heart and Stroke Foundation of Canada. GENESIS: Gender and sex determinants of Cardiovascular Disease. \$1,250,000. Co-investigator with Dr. Louise Pilote (PI). (July 2004-June 2009)

Brenda Stafford Foundation Chair in Geriatric Medicine. Frailty, inflammatory mechanisms, and adverse health outcomes among older patients. \$50,000. Co-investigator with Dr. Colleen Maxwell (PI). (January 2005-December 2006)

Canadian Institutes of Health Research. Chronic kidney disease among first nations people in Alberta: prevalence and access to care. \$210,000. Co-investigator with Dr. Brenda Hemmelgarn (PI). (February 2005-March 2008)

Canadian Institutes of Health Research. Health system infrastructure for adopting innovations in venous thromboembolic disease care. \$132,000. (October 2005-September 2007)

Canada Foundation for Innovation. Broadening the Scope of APPROACH – 2. \$323,000. (Jan 2006-Dec 2010)

Canadian Institutes of Health Research. A scoping review on health system report cards. \$64,500. (Feb 2006-March 2007)

Heart and Stroke Foundation of Alberta, Northwest Territories, and Nunavut. Reasons for use of chelation therapy. \$75,000. Co-investigator with Dr. Kathy King (PI). (July 2006-June 2008)

Canadian Institutes of Health Research. The Canadian Cardiovascular Outcomes Research Team – 2. \$4.2 million. Co-investigator with Dr. Jack Tu (PI). (April 2006-March 2011)

Alberta Health Research Fund (and AHFMR). Determinants of physician well-being ('W21C' research). \$131,713. Co-investigator with Dr. Jean Wallace (PI). (July 2006-June 2008)

Canadian Patient Safety Institute. Identifying and modeling relevant 'climate of safety' variables at the individual-, group-, unit- and system-levels. \$18,600. Co-investigator with Dr. Theresa Kline (PI). (January 2006 – June 2007)

Swiss National Office of Statistics. Workshop funding for IMECCHI – the International Methodology Consortium for Coded Health Information. 15,000 Swiss Francs. (November 2006)

Canadian Institutes of Health Research. Validation of a coding algorithm to define hypertension using administrative data. \$125,530. Co-investigator with Dr. Hude Quan (PI). (October 2006-March 2008)

Canadian Institutes of Health Research. Physical ward design and risk of nosocomial infections: a prospective controlled trial. \$200,000. Co-PI with Dr. John Conly. (January 2007-December 2009)

Canadian Institutes of Health Research. Body mass Index, gender, and the decision to undergo coronary artery bypass graft surgery. \$150,000. Co-investigator with Dr. Kathryn King (PI). (April 2007-March 2010)

Canadian Institutes of Health Research. Development, validation, and application of ICD-10 patient safety indicators. \$209,643. Co-investigator with Dr. Hude Quan (PI). (October 2007-September 2010)

Canadian Institutes of Health Research. From adherence to outcomes: A study of sex differences in the use and impact of cardio-protective medications in diabetes. \$120,000. Co-investigator with Dr. Doreen Rabi (PI). (October 2007-September 2009)

Canadian Institutes of Health Research. Progression and management of chronic kidney disease among First Nationals people. \$159,000. Co-investigator with Dr. Brenda Hemmelgarn (PI). (April 2008-March 2010)

Heart and Stroke Foundation. GENESIS-PRAXY: Gender and sex determinants of CV disease. \$600,000. Coinvestigator with Dr. Louise Pilote (PI). (July 2008-June 2011)

Canadian Institutes of Health Research. Rates and waits for cancer surgery in Canada: a mix methods assessment. \$425,000. Coinvestigator with Dr. Elijah Dixon (PI). (July 2008-June 2012)

Canadian Institutes of Health Research. The Alliance for Canadian Health Outcomes Research in Diabetes. \$2,407,000. Coinvestigator with Dr. Jeff Johnson (PI). (July 2008-June 2013)

Canadian Institutes of Health Research. Access and quality of cardiac care for First Nations People. \$215,875. Coinvestigator with Dr. Brenda Hemmelgarn (PI). (April 1, 2009-March 31, 2012)

Canadian Institutes of Health Research. Understanding 'troponinitis': exploring myocardial injury and its clinical and health services implications. \$162,000. Co-PI with Dr. Michelle Graham. (April 1, 2009-March 31, 2012)

Canadian Institutes of Health Research. Development of audit with feedback intervention to improve acute cardiovascular care using APPROACH. \$148,699. Coinvestigator with Dr. Anne Sales (PI). (April 1, 2009-March 31, 2011).

Canadian Institutes of Health Research. Assessing Care of Patients with Major Traumatic Injuries (Partnerships for Health System Improvement). \$147,273. Coinvestigator with Dr. T. Stelfox (PI). (Oct 1, 2008-Sept 30, 2011).

Canadian Institutes of Health Research. Developing quality indicators to assess the care of adults with major traumatic injuries. \$223,188. Coinvestigator with Dr. T. Stelfox (PI). (April 1, 2009-March 31, 2012).

Canadian Institutes of Health Research. Effect of Physician Alternative Payment Plans on the Completeness and Validity of Administrative Data. \$205,139. Coinvestigator with Dr. Hude Quan (PI). (Oct 1, 2009-Sept 30, 2011).

Alberta Advanced Education and Technology – Innovation Voucher Program. The W21C Seamless Discharge Initiative. \$12,500. (January –December 2009).

Alberta Advanced Education and Technology – Innovation Voucher Program. Evaluation of a novel pressure-sensing technology for pressure-ulcer prevention. \$62,500. (July 2009 –March 2010).

Canadian Institute for Health Information. The Quality and Safety Topic Advisory Group. Meeting Grant. \$25,000. (March 2010-April 2011)

Canadian Patient Safety Institute. The Quality and Safety Topic Advisory Group. Meeting Grant. \$15,000. (March 2010-April 2011)

Canadian Institutes of Health Research. Deriving novel administrative data patient safety indicators for large-scale surveillance. \$94,200. (July 2010-June 2012)

Western Economic Partnership Agreement (Government of Canada/Province of Alberta/Industry). The Medical Ward of the 21st Century. \$3.6 million. (April 2010-October 2013).

Canadian Patient Safety Institute. The Quality and Safety Topic Advisory Group. Meeting Grant. \$10,000. (October 2011-March 2012)

Canadian Institutes of Health Research. Efficacy of a web-based seamless discharge communication tool: a randomized controlled trial. \$350,956. (October 2011-September 2014)

Canadian Institutes of Health Research. POISE-2 Clinical Trial. \$3,684,006. Co-investigator with Dr. Philip Devereaux, PI. (April 2012-March 2016)

Canadian Institutes of Health Research. Exploring the dimensions of the Medical Teaching Unit preceptor role. \$42,582. Co-investigator with Dr. Jane Lemaire, PI. (October 2012-September 2013)

Canadian Institutes of Health Research. Identifying Intensive Care Unit Discharge Planning Tools. \$49,982. Co-investigator with Dr. Thomas Stelfox. (October 2012 – September 2013)

Canadian Institutes of Health Research. Evaluating Therapeutic Decision-Making, Outcomes and Resource Utilization in Chronic Stable Angina: an interprovincial population-based study. \$144,788. Co-investigator with Dr. Harindra Wijeyesundera, PI. (October 2012-September 2013)

Canadian Institutes of Health Research. Developing an Electronic Decision Support and Communication Tool for Intensive Care Unit Discharge. \$98,460. Co-investigator with Dr. Thomas Stelfox, PI. (March 2013-March 2014)

Canadian Institutes of Health Research. An Evaluation of the Organizational Process of Developing a Provincial Acute Care Discharge Model in Alberta Hospitals. \$130,500. Co-investigator with Dr. Sachin Pendharkar, PI. (October 2013- September 2015)

Alberta Innovates – Health Solutions. W21C: Interdisciplinary Research and Innovation for Health System Quality and Safety. CRIO Team Grant. \$4,700,000. (April 2013 - March 2018)

National Sciences and Engineering Research Council - HSITE Project Grant. Iterative development of a patient-centred care planning e-tool. \$38,950. Co-investigator with Dr. Peter Sargious, PI. (January 2014 – December 2014)

National Sciences and Engineering Research Council - HSITE Project Grant. Improving efficiency and access in diabetes care through e-communication. \$43,584. Co-investigator with Dr. Doreen Rabi, PI. (January 2014 – December 2014)

Canadian Institutes of Health Research. A mixed-methods human factors evaluation of patient health portals in diabetes. \$220,000. Co-investigator with Dr. Doreen Rabi, PI. (October 2014 – September 2016)

Canadian Institutes of Health Research. A prognostic tool to inform management of acute coronary syndrome in people with kidney disease. \$160,000. Co-investigator with Dr. Matthew James, PI. (October 2014 – September 2016)

Canadian Institutes of Health Research. Optimizing physician training in motivational communication skills for health behavior change. \$780,000. Co-investigator with Dr. Kim Lavoie. (October 2014 – September 2019)

Agency for Healthcare Research and Quality. Meeting and Network Planning Grant for the WHO Quality and Safety Topic Advisory Group. \$70,000 (US dollars). Co-PI with Dr. Harold Pincus. (October 2014 – December 2015)

Government of Alberta and Alberta Innovates Health Solutions. The W21C Research Program. \$2.1 million. Co-PI with Dr. John Conly (July 2014-June 2016).

Canadian Institute for Health Information. Funding support for the WHO Quality and Safety Topic Advisory Group. \$30,000. Co-PI with Dr. Harold Pincus. (April 2014 – December 2015)

IX. INVITED ADDRESSES

- | | |
|----------------|--|
| October 2014 | Overview and update from the WHO Quality and Safety Topic Advisory Group. Plenary Presentation. WHO Family of International Classifications Annual Network Meeting. Barcelona, Spain. |
| October 2014 | In search of the “beautiful grant”. Department of Community Health Sciences/O’Brien Institute for Public Health Seminar Series, Calgary, AB. |
| May 2014 | Innovation for Health Care: Overview of the W21C Initiative. Plenary lecture. European Society of Internal Medicine Annual Meeting. Geneva, Switzerland. |
| May 2014 | How to conduct and interpret systematic reviews. Invited Workshop. European Society of Internal Medicine Annual Meeting, Geneva, Switzerland. |
| January 2014 | Developing competitive programmatic grants. Department of Community Health Sciences/Institute for Public Health Seminar Series, Calgary, AB. |
| December 2013 | The role of systematic reviews and meta-analysis in the evolution of medical knowledge. Medical Grand Rounds. Queens University. Kingston, ON |
| October 2013 | Reflections on research by Canadian general internists: past, present, and future. Canadian Society of Internal Medicine GIM Research Summit. Toronto, ON. |
| September 2013 | Developing an enhanced International Classification of Diseases. Public lecture in conjunction with the World Health Organization Quality and Safety Topic Advisory Group Meeting. Washington D.C. |
| July 2013 | Le rôle des revues systématiques dans l’évolution des connaissances médicales. Special seminar. University of Lausanne, Lausanne, Switzerland. |
| July 2013 | Overview of the Ward of the 21 st Century Research and Innovation Initiative. Special research seminar. University of Lausanne, Lausanne, Switzerland. |
| April 2013 | Overview of Campus Alberta Health Outcomes and Public Health. Opening Plenary Introduction. 2 nd Annual Campus Alberta Public Health Conference, Edmonton, AB. |

January 2013	The research funding 'game' – approach to knowledge translation. Department of Community Health Sciences/Institute for Public Health Seminar Series, Calgary, AB.
September 2012	The research funding 'game' – approach to budget development. Department of Community Health Sciences/Institute for Public Health Seminar Series, Calgary, AB.
January 2012	The research funding 'game' – approach to CIHR revision and resubmission. Department of Community Health Sciences/Institute for Public Health Seminar Series, Calgary, AB.
October 2011	The research funding 'game' – strategies for success. Department of Community Health Sciences/Institute for Public Health Seminar Series, Calgary, AB.
October 2011	The future of academic research by Canadian general internists. Plenary Address. Canadian Society of Internal Medicine, Annual Meeting, Halifax, NS.
June 2011	Alcohol and the Risk of Cardiovascular Disease – Community Health Sciences Seminar – University of Calgary, AB.
May 2011	Global Perspectives on the Physician Workforce – International Symposium, SGIM Annual Meeting – Phoenix, AZ.
April 2011	Improving Diagnostic Decision Making – Division of GIM – Clinical Education Seminar – Calgary, AB
March 2011	Surveillance Systems for Better Patient Safety – Projet CLARTE Launch Event – Paris, France.
March 2011	Career Tracks in Academic Medicine – Department of Medicine Internal Medicine Residency Retreat – Kananaskis Lodge, AB.
February 2011	The Medical Ward of the 21 st Century – Innovating for better transitions of care. Medical Grand Rounds, University of Calgary, Calgary AB.
January 2011	Improving Transitions of Care: The W21C Seamless Discharge Initiative. Alberta Innovates Health Solutions, Knowledge Translation Network Provincial Webinar Series.
October 2010	Five Notable Papers in General Internal Medicine – 2010. Plenary Lecture. Canadian Society of Internal Medicine Annual Meeting, Vancouver BC.
October 2010	Overview of the Quality and Safety Topic Advisory Group. World Health Organization – Family of International Classifications Network Annual Meeting. Toronto, ON.

- September 2010 Overview of the Medical Ward of the 21st Century. Community Health Sciences Seminar, University of Calgary. Calgary, AB.
- March 2010 Research in Public Health: Moving from description to innovation. Calgary Institute of Population and Public Health. Directorship Interview Lecture. Calgary, AB.
- March 2010 The Potential Value of Diagnosis Type Indicators in Coded Health Data. Presentation to the World Health Organization's Morbidity Reference Group. Cologne, Germany.
- December 2009 Bayesian approaches to clinical diagnosis. Resident seminar. London Health Sciences Centre. London, ON
- December 2009 N-acetylcysteine for the prevention of contrast nephropathy: A case study in the pitfalls of evolving medical knowledge. Cardiology Grand Rounds. London Health Sciences Centre. London, ON
- November 2009 The Top 5 Papers in General Internal Medicine in 2009. Plenary Session. Rocky Mountain GIM Conference. Banff, AB.
- June 2009 Evaluation: a Foundation for Health System Improvement. Plenary Session. Alberta Health Services Access Conference. Calgary, AB.
- March 2009 Overview of the Medical Ward of the 21st Century Initiative. Plenary Session -- The Alberta Emergency Medicine Integration Conference. Edmonton, AB.
- December 2008 Trends in the Utilization of Cardiac Procedures. New Frontiers in Interventional Cardiology Meeting. Whistler, BC.
- November 2008 Invited Mini-Course Lecture Series: Systematic Reviews and Meta-analysis. University of Lausanne. Lausanne, Switzerland.
- November 2008 The W21C Seamless Discharge Initiative. Plenary Session – The Ottawa Hospital Patient Safety Day. Ottawa, ON.
- July 2008 Career development in academic medicine. Department of Clinical Neurosciences Academic Half Day. Calgary AB.
- June 2008 The epistemology of n-acetylcysteine: Pitfalls in the evolution of evidence. Mazankowski Heart Institute Inaugural Conference. Edmonton, AB.
- April 2008 How to read the medical literature. Calgary Therapeutics Course, Calgary AB.
- Systematic reviews and the evolution of knowledge. Plenary lecture. Calgary Therapeutics Course, Calgary, AB.

- November 2007 Perioperative assessment of patients with valvular heart disease. Rocky Mountain General Internal Medicine Conference, Banff, AB.
- May 2007 The role of systematic reviews and meta-analysis in the evolution of medical knowledge, Visiting Professor for Resident Research Day, and Medical Grand Rounds, University of Ottawa.
- March 2007 Research for the fun of it: Pre-release and fast-track publication in leading medical journals. General Internal Medicine Rounds, Boston University.
- Systematic reviews and meta-analysis and their role in advancing medical knowledge, Mark Moskowitz Memorial Lecturer, Medical Grand Rounds, Boston University.
- December 2006 Meta-analysis and medical knowledge: the case of N-acetylcysteine for prevention of contrast nephropathy. European Cochrane Collaboration Symposium, University of Lausanne, Switzerland.
- November 2006 Optimizing health information for the 21st Century. Special Symposium, European Public Health Association Meeting, Montreux, Switzerland.
- September 2006 Toward optimal use of cardiac procedures. Medical Grand Rounds. University of Lausanne, Switzerland.
- June 2006 Overview of the Medical Ward of the 21st Century Initiative. Medical Bioethics Rounds, University of Calgary, Calgary, Alberta
- May 2006 Evidence-based diagnosis. Plenary Session. Swiss Society of Internal Medicine Annual Meeting, Lausanne, Switzerland
- The promise and pitfalls of meta-analysis. Special Symposium. Swiss Society of Internal Medicine Annual Meeting, Lausanne, Switzerland
- April 2006 The case for globalizing General Internal Medicine. Special Symposium. Society of General Internal Medicine Annual Meeting, Los Angeles, California
- Optimizing use of cardiac procedures: Insights from APPROACH. Medical Grand Rounds, Montreal General Hospital and Jewish General Hospital, Montreal, Quebec
- The Medical Ward of the 21st Century: A 'living laboratory' for innovation in health care delivery. Citywide Division of General Internal Medicine Rounds, McGill University, Montreal, Quebec
- Career Paths in Academic Internal Medicine. Special Residency Program Career Development Seminar, McGill University, Montreal, Quebec.
- Methodological Adventures in Survival Analysis. Division of Clinical

- Epidemiology Seminar Series, McGill University, Montreal, Quebec.
- November 2005 A clinical research perspective on the relationship between the pharmaceutical industry and academia. Sheldon Chumir Foundation Public Forum on Ethics and Public Policy. Calgary, AB.
- International models of general internal medicine and the case for globalization of a discipline. Special Symposium. Canadian Society of Internal Medicine Annual Meeting. Toronto, ON.
- Monitoring quality of care with health system report cards: a Canadian perspective. Global Perspective of the Future of China's Health Reform. International Health Policy Conference. Shanghai, China.
- October 2005 What have we learned about AMI from CCORT? Beyond 2000: New Concepts in Acute Coronary Syndromes, Canadian Cardiovascular Congress, Montreal, Quebec.
- The promise and pitfalls of health system report cards. Trainee Luncheon Speaker. Canadian Cardiovascular Congress, Montreal, Quebec.
- September 2005 The Research and Innovation Agenda for the Medical Ward of the 21st Century. Medical Grand Rounds, Department of Medicine, Calgary, AB.
- May 2005 International Models of General Internal Medicine. Special Symposium at the Annual Meeting of the Society of General Internal Medicine, New Orleans, LA.
- April 2005 Research just for the fun of it: An evaluation of the importance of accelerated publication practices in leading medical journals. CIHR Young Investigators' Forum, Winnipeg, MB.
- February 2005 The Medical Ward of the 21st Century. Faculty of Nursing Research Seminar, Calgary, Alberta.
- January 2005 Gauging impact of clinical trials from a population perspective. TORCH trainee forum, 2005, Kananaskis Lodge, Alberta.
- Evidence-based diagnosis. Western Canadian Fellows in Cardiology, Annual Conference- 2005, Lake Louise, Alberta.
- Risk measurement and risk adjustment using administrative data. Invited lecture, British Columbia Ministry of Health, Victoria, B.C..
- November 2004 Mentoring for Starting an Academic Career. Workshop Session. Rocky Mountain General Internal Medicine Meeting, Banff, AB.
- October 2004 Interpretation of Diagnostic Test Results. The University of Calgary Annual Hospitalist Conference. Calgary, AB.
- August 2004 Clinical Registries Documenting Usual Care: A Foundation for Quality

- Improvement. Evidence-Based Medicine Symposium. University of Lausanne. Lausanne, Switzerland.
- June 2004 Optimal utilization of cardiac procedures: Insights from APPROACH. Joseph Dvorkin Memorial Lecture. Cardiac Sciences Research Day. University of Alberta, Edmonton, AB.
- April 2004 Searching for an optimal rate of cardiac procedures. CIHR/ICRH Young Investigator Forum, Winnipeg, Manitoba.
- March 2004 Accelerated Publication in Leading Medical Journals. Medical Grand Rounds. St. Michael's Hospital, University of Toronto, Toronto, ON.
- Methodological Adventures in Survival Analysis. Clinical Epidemiology Rounds. St. Michael's Hospital, University of Toronto, Toronto, ON.
- November 2003 Clinical Interpretation of Troponins. Invited presentation. Rocky Mountain General Internal Medicine Meeting, Banff, AB
- hsCRP and other Cardiac Biomarkers. Invited presentation. Rocky Mountain General Internal Medicine Meeting, Banff, AB
- October 2003 Health System Scorecards : A Canadian perspective. Plenary lecture. Canadian Cardiovascular Congress, Annual Meeting, Toronto, ON
- Highlights from the Canadian Cardiovascular Atlas Project. Workshop. Canadian Cardiovascular Congress, Annual Meeting, Toronto, ON
- September 2003 Research Using Clinical Databases Available in Alberta. Invited lecture. Centre for Health Outcomes Research, University of Alberta, Edmonton, AB.
- Research Trends and the Changing Landscape. Plenary session. TORCH Training Program, Career Development Day, Edmonton, AB.
- Building your CV. Workshop session. TORCH Training Program, Career Development Day, Edmonton, AB.
- June 2003 Les outils de l'épidémiologie pour la pratique clinique. Plenary Lecture. Clinical Epidemiology Symposium (staged by Universities of Lausanne and Bern), Lausanne, Switzerland.
- Optimal utilization of cardiac procedures : A perspective from Alberta, Canada. Special session. Institute of Social and Preventive Medicine. University of Lausanne, Lausanne, Switzerland.
- May 2003 Methodological 'adventures' in survival analysis. Statistical Seminar Series. Institute of Social and Preventive Medicine. University of Lausanne, Lausanne, Switzerland.
- March 2003 Accelerated publication in leading medical journals. Medical Grand

- Rounds. Department of Medicine. University of Lausanne. Lausanne, Switzerland.
- February 2003 Prévention primaire : faut-il utiliser de l'aspirine. Conference on 'Silent Diseases', Morges, Switzerland.
- Risk measurement and risk adjustment using administrative data. Clinical Epidemiology Symposium, University of Lausanne, Lausanne, Switzerland.
- October 2002 Outside the box: broader perspectives for studying PCI and CABG care. American Heart Association, Outcomes Research Symposium. Washington, D.C.
- September 2002 Acute coronary syndrome care: Lessons from APPROACH. Western Development Conference for Acute Coronary Care. Banff, Alberta.
- How the Faculty of Medicine Facilitates Research. New Faculty Orientation. University of Calgary.
- May 2002 Accelerated publication in leading medical journals. Cardiology Grand Rounds, University of Alberta, Edmonton, Alberta
- Health outcome report cards: Promise and Pitfalls. Guest lecturer, Harbin Medical University, Harbin, China. (same lecture also presented to the Department of Economics, Beijing University, Beijing, China)
- Interpretation of Diagnostic Tests. Guest lecturer. Second Teaching hospital. Harbin Medical University, Harbin, China.
- November 2001 'Importance of pre-release and fast-track Publications', University of Lausanne, Lausanne, Switzerland.
- 'Interpretation of Diagnostic Tests' Medical Grand Rounds, University of Lausanne, Lausanne, Switzerland.
- May 2001 'Update on Research Initiatives from APPROACH' Annual Dupont Lectureship, Cardiology Research Day, Dalhousie University, Halifax, NS.
- 'Clinicians and Research', Department of Medicine Research Day, University of Saskatchewan, Saskatoon, SK.
- February 2001 'Overview of APPROACH', Northern New England Cardiovascular Outcomes Symposium, Boston, MA.
- January 2001 'Health Services Research Initiatives in Diabetes', Division of General Internal Medicine

- Rounds, McGill University, Montreal, Quebec.
- 'Research Evaluating Medical Journals' publishing practices', Clinical Epidemiology Rounds, McGill University, Montreal, Quebec.
- December 2000 'The Art - and the Math - of Diagnosis'. Grand Rounds, Rush Presbyterian St. Luke's Hospital, Chicago, IL
- November 2000 'The Calgary Regional Diabetes Database Initiative', ACHORD Policy Advisory Forum, Vancouver, BC
- November 2000 'Prevention of Cardiovascular Disease: Applying the Evidence'. Keynote presentation. Rocky Mountain General Medicine Conference, Banff, AB
- October 2000 'Studying Quality and Outcomes'. Plenary presentation, Province Wide Services, Outcomes Symposium, Calgary, AB
- October 2000 'Outcomes of CABG surgery in the Maritimes'. Maritime Heart Health Conference, Saint John, NB
- September 2000 'International Comparison of Usual Care Practices for DVT'. Update in Venous Thromboembolic Disease, Lausanne, Switzerland
- September 2000 'Overview of Research Evaluating Medical Journal Publishing Practices'. Special Research Symposium, Lausanne, Switzerland
- June 2000 'Barriers to optimal preventive care' Prairie Medical Conference on Preventive Health. Banff, AB
- May 2000 'Estimating Peri-Operative Cardiac Risk', Department of Anesthesia Visiting Professor Program, University of Calgary, Calgary, AB
- May 2000 'Overview of APPROACH' Invited Plenary Session. Resident research day. Department of Surgery, Dalhousie University, Halifax, N.S.
- March 2000 'Determining whether a drug is exerting more than a class effect'. Plenary session. Calgary Therapeutics Conference, Calgary, AB
- December 1999 'Methodologic research evaluating the validity of administrative data' Grand Rounds. Institute of Social and Preventive Medicine, University of Lausanne, Switzerland.

- November 1999 'Research on Quality of Care' Medical Grand Rounds, University of Lausanne, Switzerland.
- June 1999 "The use of Canadian administrative data for national comparisons". Invited Plenary Session. Conference on use of administrative data. Centre for Health Evaluation and Outcome Sciences, Vancouver, BC.
- April 1999 "Evidence-based Medicine and its Application". Plenary Session, Advances in Internal Medicine, ACP Conference, Banff, Alberta.
- Dec. 1998 "Assessing Outcomes of Coronary Artery Bypass Surgery". Medical Grand Rounds at McMaster University Medical Centre, Hamilton, Ontario.
- "Research on Quality of Care". City-wide GIM Rounds, McMaster University, Hamilton, Ontario.
- Oct. 1998 "A Framework for Research on Quality of Care". Keynote Lecture. Rocky Mountain General Internal Medicine Conference. Banff, Alberta.
- Sept. 1998 "Teaching Evidence-based Medicine at the Undergraduate Level". Invited speaker. CSIM/RCPSC annual meeting, Toronto, Ontario.
- May 1998 "Therapeutic Thumbprints of Alberta Cardiac Revascularization Centres" - Guest lecturer. Division of Cardiology Rounds. University of Calgary, Calgary, AB.
- "Pre-operative Cardiac Risk Assessment" - Invited speaker. Division of General Surgery Rounds. University of Calgary, Calgary, AB.
- April 1998 "Outcomes of CABG surgery in Canada" - Invited speaker for the Maritime Heart Health Evening Seminar Series. Halifax, NS.
- "Measuring Processes and Outcomes of Care" - Invited speaker for Heart Health Program Grand Rounds. Dalhousie University, Halifax, NS.
- February 1998 "Measuring Outcomes of Cardiac Surgery" - Medical Grand Rounds. University of Calgary. Calgary, AB.
- "Assessing Outcomes of Coronary Artery Bypass Surgery" - Health Research Group/Comm. Health Sciences Rounds. University of Calgary, Calgary, AB.
- November 1997 "Measuring Quality of Care: Process and Outcomes" invited speaker - Clinical Neuroscience Grand Rounds.
- May 1997 "Advances in the prevention of cardiovascular disease" - invited speaker - Advances in Internal Medicine Conference, Banff, Alberta.

- April 1997 "Small Area Variation - Practice Style or Response to Need" - Plenary session - Quality Utilization in Health Care Conference, Calgary, Alberta.
- October 1996 Defining and Evaluating Outcomes after Coronary Artery Bypass Surgery - invited speaker - International Health Evaluation Association Conference, Victoria, B.C.
- March 1996 The Chief Resident and Quality of Care - Guest speaker - Canadian Chief Medical Residents' conference - Banff, Alberta.
- March 1996 Cardiovascular Epidemiology - Guest lecturer in Cardiovascular Physiology course coordinated by Dr. J. Tyberg, University of Calgary.
- January 1996 Evaluation of Coronary Artery Bypass Surgery Outcomes in Massachusetts- Guest lecturer - Harvard University School of Public Health.
- July 1994 Coronary Artery Bypass Surgery Outcomes Assessment Grand rounds - Department of Medicine – University of Calgary, Foothills Hospital.
- March 1993 Evaluation of Blood Transfusion Practices Grand rounds - Department of Medicine - Queen's University.

X. PUBLICATIONS

(* indicates trainee projects for which I provided supervision or co-supervision)

i) Publications in peer-reviewed journals.

371. Okoniewska B, Santana MJ, Groshaus H, Stajkovic S, Cowles J, Chakrovorty D, Ghali WA. Barriers to discharge in an acute care medical teaching unit: a qualitative analysis of health providers' perceptions. *J Multidiscip Healthc.* 2015 Feb 12;8:83-9.
370. Lacny S1, Wilson T, Clement F, Roberts DJ, Faris PD, Ghali WA, Marshall DA. Kaplan-Meier Survival Analysis Overestimates the Risk of Revision Arthroplasty: A Meta-analysis. *Clin Orthop Relat Res.* 2015 Mar 25. [Epub ahead of print]
369. Tang KL, Ghali WA, Manns BJ. Addressing cost-related barriers to prescription drug use in Canada. *CMAJ.* 2014 Mar 4;186(4):276-80.
368. Santana MJ, Holroyd-Leduc J, Flemons WW, O'Beirne M, White D, Clayden N, Forster AJ, Ghali WA. The seamless transfer of care: a pilot study assessing the usability of an electronic transfer of care communication tool. *Am J Med Qual.* 2014 Nov-Dec;29(6):476-83.

367. Ellison J, Southern D, Holton D, Henderson E, Wallace J, Faris P, Ghali WA, Conly J. Hospital ward design and prevention of hospital-acquired infections: A prospective clinical trial. *Can J Infect Dis Med Microbiol.* 2014 Sep;25(5):265-70.
366. Kwon Y, Powelson SE, Wong H, Ghali WA, Conly JM. An assessment of the efficacy of searching in biomedical databases beyond MEDLINE in identifying studies for a systematic review on ward closures as an infection control intervention to control outbreaks. *Syst Rev.* 2014 Nov 11;3:135.
365. Butalia S, Lewin AM, Simpson SH, Dasgupta K, Khan N, Pilote L, Johnson JA, Ghali WA, Rabi DM. Sex-based disparities in cardioprotective medication use in adults with diabetes. *Diabetol Metab Syndr.* 2014 Nov 5;6(1):117.
364. Walker RL, Chen G, McAlister FA, Campbell NR, Hemmelgarn BR, Dixon E, Ghali W, Rabi D, Tu K, Jette N, Quan H; Hypertension Outcome and Surveillance Team. Relationship between primary care physician visits and hospital/emergency use for uncomplicated hypertension, an ambulatory care-sensitive condition. *Can J Cardiol.* 2014 Dec;30(12):1640-8.
363. Curran HJ, Hubacek J, Southern D, Galbraith D, Knudtson ML, Ghali WA, Graham MM1; APPROACH Investigators. The effect of a regional care model on cardiac catheterization rates in patients with Acute Coronary Syndromes, *BMC Health Serv Res.* 2014 Nov 8;14:550.
362. Li P, Boyd J, Ghali WA, Stelfox HT. Stakeholder views regarding patient discharge from intensive care: Suboptimal quality and opportunities for improvement. *Can Respir J.* 2014 Dec 18. pii: 16520. [Epub ahead of print].
361. Cheung CC, Martyn A, Campbell N, Frost S, Gilbert K, Michota F, Seal D, Ghali W, Khan NA. Predictors of Intraoperative Hypotension and Bradycardia. *Am J Med.* 2014 In Press.
360. Hosein F, Roberts DJ, Turin T, Zygun D, Ghali WA, Stelfox HT. A meta-analysis to derive literature-based benchmarks for readmission and hospital mortality after patient discharge from intensive care. *Critical Care (2014)* 18:715.
359. Ellison J, Southern DA, Holton D, Henderson E, Wallace J, Faris P, Ghali WA, Conly J. *Can J Infect Dis Med Microbiol.* 2014;25(5):265-70.
358. *Leung KC, Pannu N, Tan Z, Ghali WA, Knudtson ML, Hemmelgarn BR, Tonelli M, James MT, for the APPROACH and AKDN Investigators. Contrast-associated AKI and use of cardiovascular medications after acute coronary syndrome. *Clin J Am Soci Nephrol.* 2014;9(11):1840-8.
357. Southern DA, *Ngo J, Martin BJ, Galbraith PD, Knudtson ML, Ghali WA, James MT, Wilton SB. Characterizing types of readmission after acute coronary syndrome hospitalization: implications for quality reporting. *J Am Heart Assoc.* 2014;3:e001046.
356. *Bresee LC, Knudtson ML, Zhang J, Crowshoe LL, Ahmed SB, Tonelli M, Ghali WA, Quan H, Manns B, Fabreau G, Hemmelgarn BR. Likelihood of coronary angiography

- among First Nations patients with acute myocardial infarction. *CMAJ* 2014 Jul 8;186(10):E372-E380.
355. *Butalia S, Patel AB, Johnson JA, Ghali WA, Rabi DM. Association Between Diabetic Ketoacidosis Hospitalizations and Driving Distance to Outpatient Diabetes Centres in Adults With Type 1 Diabetes Mellitus. *Can J Diabetes* 2014 May 9.
 354. Choi J, Daskalopoulou SS, Thanassoulis G, Karp I, Pelletier R, Behloul H, Pilote L, GENESIS-PRAXY Investigators. Sex- and gender-related risk factor burden in patients with premature acute coronary syndrome. *Can J Cardiol* 2014 Jan;30(1):109-17.
 353. Devereaux PJ, Mrkobrada M, Sessler DI, Leslie K, Alonso-Coello P, Kurz A, Villar JC, Sigamani A, Biccard BM, Meyhoff CS, Parlow JL, Guyatt G, Robinson A, Garg AX, Rodseth RN, Botto F, Lurati BG, Xavier D, Chan MT, Tiboni M, Cook D, Kumar PA, Forget P, Malaga G, Fleischmann E, Amir M, Eikelboom J, Mizera R, Torres D, Wang CY, VanHelder T, Paniagua P, Berwanger O, Srinathan S, Graham M, Pasin L, Le MY, Gao P, Pogue J, Whitlock R, Lamy A, Kearon C, Baigent C, Chow C, Pettit S, Chrolavicius S, Yusuf S, POISE-2 Investigators. Aspirin in patients undergoing noncardiac surgery. *N Engl J Med* 2014 Apr 17;370(16):1494-503.
 352. Devereaux PJ, Sessler DI, Leslie K, Kurz A, Mrkobrada M, Alonso-Coello P, Villar JC, Sigamani A, Biccard BM, Meyhoff CS, Parlow JL, Guyatt G, Robinson A, Garg AX, Rodseth RN, Botto F, Lurati BG, Xavier D, Chan MT, Tiboni M, Cook D, Kumar PA, Forget P, Malaga G, Fleischmann E, Amir M, Eikelboom J, Mizera R, Torres D, Wang CY, VanHelder T, Paniagua P, Berwanger O, Srinathan S, Graham M, Pasin L, Le MY, Gao P, Pogue J, Whitlock R, Lamy A, Kearon C, Chow C, Pettit S, Chrolavicius S, Yusuf S, Poise 2 Investigators. Clonidine in patients undergoing noncardiac surgery. *N Engl J Med* 2014 Apr 17;370(16):1504-13.
 351. Drosler SE, Romano PS, Sundararajan V, Burnand B, Colin C, Pincus H, Ghali W. How many diagnosis fields are needed to capture safety events in administrative data? Findings and recommendations from the WHO ICD-11 Topic Advisory Group on Quality and Safety. *Int J Qual Health Care* 2014 Feb;26(1):16-25.
 350. *Fabreau GE, Leung AA, Southern DA, Knudtson ML, McWilliams JM, Ayanian JZ, Ghali WA. Sex, socioeconomic status, access to cardiac catheterization, and outcomes for acute coronary syndromes in the context of universal healthcare coverage. *Circ Cardiovasc Qual Outcomes* 2014 Jul;7(4):540-9.
 349. Hall S, Phang SH, Schaefer JP, Ghali W, Wright B, McLaughlin K. Estimation of post-test probabilities by residents: Bayesian reasoning versus heuristics? *Adv Health Sci Educ Theory Pract* 2014 Aug;19(3):393-402.
 348. Mitchell LB, Southern DA, Galbraith D, Ghali WA, Knudtson M, Wilton SB. Prediction of stroke or TIA in patients without atrial fibrillation using CHADS2 and CHA2DS2-VASc scores. *Heart* 2014 Oct 1;100(19):1524-30.
 347. Pelletier R, Lavoie KL, Bacon SL, Thanassoulis G, Khan NA, Pilote L, GENESIS-PRAXY Investigators. Depression and disease severity in patients with premature acute coronary syndrome. *Am J Med* 2014 Jan;127(1):87-93.

346. Pelletier R, Humphries KH, Shimony A, Bacon SL, Lavoie KL, Rabi D, Karp I, Tsadok MA, Pilote L, GENESIS-PRAXY Investigators. Sex-related differences in access to care among patients with premature acute coronary syndrome. *CMAJ* 2014 Apr 15;186(7):497-504.
345. Quan H, Moskal L, Forster AJ, Brien S, Walker R, Romano PS, Sundararajan V, Burnand B, Henriksson G, Steinum O, Droesler S, Pincus HA, Ghali WA. International variation in the definition of 'main condition' in ICD-coded health data. *Int J Qual Health Care* 2014 Jul 2.
344. *Seabrook HJ, Stromer JN, Shevkenek C, Bharwani A, de Grood J, Ghali WA. Medical applications: a database and characterization of apps in Apple iOS and Android platforms. *BMC Res Notes* 2014;7:573.
343. Southern DA, Poole J, Patel A, Waters N, Pilote L, Hull RD, Ghali WA. Health system capacity and infrastructure for adopting innovations to care for patients with venous thromboembolic disease. *Open Med* 2014;8(2):e46-e53.
342. *Tang KL, Ghali WA, Manns BJ. Addressing cost-related barriers to prescription drug use in Canada. *CMAJ* 2014 Mar 4;186(4):276-80.
341. *Ward DR, Ghali WA, Graham A, Lemaire JB. A real-time locating system observes physician time-motion patterns during walk-rounds: a pilot study. *BMC Med Educ* 2014;14:37.
340. Gilmour JG, Southern DA, Ghali WA. Readmission rates and determinants in a higher-risk inpatient GIM population. *Canadian Journal of General Internal Medicine*. 2013;8:40-44.
339. Beck CA, Southern DA, Saitz R, Knudtson ML, Ghali WA. Alcohol and drug use disorders among patients with myocardial infarction: associations with disparities in care and mortality. *PLoS One* 2013;8(9):e66551.
338. *Butalia S, Johnson JA, Ghali WA, Rabi DM. Clinical and socio-demographic factors associated with diabetic ketoacidosis hospitalization in adults with Type 1 diabetes. *Diabet Med* 2013 May;30(5):567-73.
337. Chin-Lenn L, Craighead P, Bryant HE, Mack L, Temple W, Ghali W, Quan ML. Quality indicators for ductal carcinoma in situ (DCIS) of the breast: development using a multidisciplinary delphi process and its use in monitoring population-based treatment. *J Surg Oncol* 2013 Nov;108(6):348-51.
336. Ghali WA, Pincus HA, Southern DA, Brien SE, Romano PS, Burnand B, Drösler SE, Sundararajan V, Moskal L, Forster AJ, Gurevich Y, Quan H, Colin C, Munier WB, Harrison J, Spaeth-Ruble B, Kostanjsek N, Ustün TB. ICD-11 for quality and safety: overview of the WHO Quality and Safety Topic Advisory Group. *Int J Qual Health Care* 2013 Dec;25(6):621-5.
335. *Hosein FS, *Bobrovitz N, Berthelot S, Zygun D, Ghali WA, Stelfox HT. A systematic review of tools for predicting severe adverse events following patient discharge from intensive care units. *Crit Care* 2013;17(3):R102.

334. James MT, Samuel SM, Manning MA, Tonelli M, Ghali WA, Faris P, Knudtson ML, Pannu N, Hemmelgarn BR. Contrast-induced acute kidney injury and risk of adverse clinical outcomes after coronary angiography: a systematic review and meta-analysis. *Circ Cardiovasc Interv* 2013 Feb;6(1):37-43.
333. James MT, Tonelli M, Ghali WA, Knudtson ML, Faris P, Manns BJ, Pannu N, Galbraith PD, Hemmelgarn BR. Renal outcomes associated with invasive versus conservative management of acute coronary syndrome: propensity matched cohort study. *BMJ* 2013;347:f4151.
332. *Kang J, Brant R, Ghali WA. Statistical methods for the meta-analysis of diagnostic tests must take into account the use of surrogate standards. *J Clin Epidemiol* 2013 May;66(5):566-74.
331. Khan NA, Daskalopoulou SS, Karp I, Eisenberg MJ, Pelletier R, Tsadok MA, Dasgupta K, Norris CM, Pilote L, GENESIS PRAXY Team. Sex differences in acute coronary syndrome symptom presentation in young patients. *JAMA Intern Med* 2013 Nov 11;173(20):1863-71.
330. *Leung AA, Southern DA, Galbraith PD, Knudtson ML, Philpott AC, Ghali WA. Time dependency of outcomes for drug-eluting vs bare-metal stents. *Can J Cardiol* 2013 Dec;29(12):1616-22.
329. Li P, Ali S, Tang C, Ghali WA, Stelfox HT. Review of computerized physician handoff tools for improving the quality of patient care. *J Hosp Med* 2013 Aug;8(8):456-63.
328. Lorenzetti DL, Ghali WA. Reference management software for systematic reviews and meta-analyses: an exploration of usage and usability. *BMC Med Res Methodol* 2013;13:141.
327. McMurtry MS, Southern DA, Lewin AM, Galbraith PD, Kaul P, Ghali WA, Knudtson ML, Graham MM. Recent temporal trends and geographic distribution of cardiac procedures in Alberta. *Can J Cardiol* 2013 Apr;29(4):460-5.
326. *Nguyen DT, *Leung KK, McIntyre L, Ghali WA, Sauve R. Does integrated management of childhood illness (IMCI) training improve the skills of health workers? A systematic review and meta-analysis. *PLoS One* 2013;8(6):e66030.
325. *Ouzounian M, Ghali W, Yip AM, Buth KJ, Humphries K, Stukel TA, Norris CM, Southern DA, Galbraith PD, Thompson CR, Abel J, Love MP, Hassan A, Hirsch GM. Determinants of percutaneous coronary intervention vs coronary artery bypass grafting: an interprovincial comparison. *Can J Cardiol* 2013 Nov;29(11):1454-61.
324. Quan H, Eastwood C, Cunningham CT, Liu M, Flemons W, DeCoster C, Ghali WA; IMECCHI investigators. Validity of AHRQ patient safety indicators derived from ICD-10 hospital discharge abstract data (chart review study). *BMJ Open* 2013;3(10):e003716.
323. *Santana MJ, Holroyd-Leduc J, Flemons WW, O'Beirne M, White D, Clayden N, Forster AJ, Ghali WA. The Seamless Transfer of Care: A Pilot Study Assessing the Usability of an Electronic Transfer of Care Communication Tool. *Am J Med Qual* 2013 Sep 19.

322. Stelfox HT, Perrier L, Straus SE, Ghali WA, Zygun D, Boiteau P, Zuege DJ. Identifying intensive care unit discharge planning tools: protocol for a scoping review. *BMJ Open* 2013;3(4).
321. *Walker RL, Chen G, McAlister FA, Campbell NR, Hemmelgarn BR, Dixon E, Ghali W, Rabi D, Tu K, Jette N, Quan H. Hospitalization for uncomplicated hypertension: an ambulatory care sensitive condition. *Can J Cardiol* 2013 Nov;29(11):1462-9.
320. *Okoniewska BM, Santana MJ, Holroyd-Leduc J, Flemons W, O'Beirne M, White D, Clement F, Forster A, Ghali WA. The Seamless Transfer-of-Care Protocol: a randomized controlled trial assessing the efficacy of an electronic transfer-of-care communication tool. *BMC Health Serv Res.* 2012 Nov 21;12:414.
319. *Motamedi SM, de Grood J, Harman S, Sargious P, Baylis B, Flemons W, Ghali WA. The effect of continuous pressure monitoring on strategic shifting of medical inpatients at risk for Pus. *J Wound Care* 2012;Nov.21(11):517-8, 520, 522 passim.
318. *Wilson BJ, Musto RJ, Ghali WA. A case of histamine fish poisoning in a young atopic woman. *J Gen Intern Med.* 2012;Jul;27(7):878-81.
317. *Okoniewska B, Graham A, Gavrilova M, Wah D, Gilgen J, Coke J, Burden J, Nayyar S, Kaunda J, Yergens D, Baylis B, Ghali WA; on behalf of the Ward of the 21st Century team. Multidimensional evaluation of a radio frequency identification wi-fi location tracking system in an acute-care hospital setting. *J Am Med Inform Assoc* 2012;July-Aug;19(4):674-9.
316. Rodondi N, Auer R, de Bosset Sulzer V, Ghali WA, Cornuz J. Atherosclerosis screening by noninvasive imaging for cardiovascular prevention: a systematic review. *J Gen Intern Med* 2012;27(2):220-31.
315. *Januel JM, Chen G, Ruffieux C, Quan H, Douketis JD, Crowther MA, Colin C, Ghali WA, Burnand B for the IMECCHI Group. Symptomatic in-hospital deep vein thrombosis and pulmonary embolism following hip and knee arthroplasty among patients receiving recommended prophylaxis: a systematic review. *JAMA* 2012;307(3):294-303.
314. *Freiheit EA, Hogan DB, Eliasziw M, Patten SB, Demchuk AM, Faris P, Anderson T, Galbraith D, Parboosingh JS, Ghali WA, Knudtson M, Maxwell CJ. A dynamic view of depressive symptoms and neurocognitive change among patients with coronary artery disease. *Arch Gen Psychiatry*, 2012 Mar;69(3):244-55.
313. *Edwards JP, Kelly EJ, Lin Y, Lenders T, Ghali WA, Graham AJ. Meta-analytic comparison of randomized and nonrandomized studies of breast cancer surgery. *Can J Surg.* 2012 Jun;55(3):155-62, Review.
312. King-Shier KM, Quan H, Mather C, Verhoef MJ, Knudtson ML, Ghali WA. Understanding coronary artery disease patients' decisions regarding the use of chelation therapy for coronary artery disease: descriptive decision modeling. *Int J Nurs Stud.* 2012 Sep;49(9):1074-83.

311. Feasby TE, Quan H, Tubman M, Pi D, Tinmouth A, So L, Ghali WA. Appropriateness of the use of intravenous immune globulin before and after the introduction of a utilization control program. *Open Med.* 2012;6(1):e28-34. Epub 2012 Mar 13.
310. *Soon IS, *Molodecky NA, Rabi DM, Ghali WA, Barkema HW, Kaplan GG. The relationship between urban environment and the inflammatory bowel diseases: a systematic review and meta-analysis. *BMC Gastroenterol.* 2012 May 24;12(1):51.
309. *Martin BJ, Hauer T, Arena R, Austford LD, Galbraith PD, Lewin AM, Knudtson ML, Ghali WA, Stone JA, Aggarwal SG. Cardiac rehabilitation attendance and outcomes in coronary artery disease patients. *Circulation* 2012 Aug 7;126(6):677-87.
308. McMurtry MS, Southern DA, Lewin AM, Galbraith PD, Kaul P, Ghali WA, Knudtson ML, Graham MM. Recent temporal trends and geographic distribution of cardiac procedures in Alberta. *Can J Cardiol.* 2012 Aug 14 (Epub ahead of print)
307. *Patel AB, Waters NM, Blanchard IE, Doig C-J, Ghali WA. A validation of ground ambulance pre-hospital times modeled using geographic information systems. *Int J Health Geogr.* 2012 Oct 3;11(1):42.
306. *Molodecky NA, *Soon IS, Rabi DM, Ghali WA, Ferris M, Chernoff G, Benchimol EI, Panaccione R, Ghosh S, Barkema HW, Kaplan GG. Increasing incidence and prevalence of the inflammatory bowel diseases with time, based on systematic review. *Gastroenterology.* 2012 Jan;142(1):46-54 e42; quiz e30. Epub 2011 Oct 14, Review.
305. Taffe P, Halfon P, Ghali WA, Burnand B; International Methodology Consortium for Coded Health Information (IMECCHI). Test result-based sampling: an efficient design for estimating the accuracy of patient safety indicators. *Med Decis Making.* 2012 Jan-Feb;32(1):E1-12. Epub 2011 Nov 7.
304. Wijeyesundera HC, Tomlinson G, Norris CM, Ghali WA, Ko DT, Krahn MD. Predicting EQ-5D utility scores from the Seattle Angina Questionnaire in coronary artery disease: a mapping algorithm using a Bayesian framework. *Med Decis Making.* 2011 May-June;31(3):481-93.
303. Guertin JR, Jackevicius CA, Cox JL, Humphries K, Pilote L, So DY, Tu JV, Wijeyesundera H, Rinfret S; Canadian Cardiovascular Outcomes Research Team. The potential economic impact of restricted access to angiotensin-receptor blockers. *CMAJ* 2011Feb 22;183(3):E180-8. Epub 2011 Jan 24.
302. Kent D, Kitsios G, Hill MD, Almekhlafi MA, Wilton SB, Ghali WA. Recurrent cerebral ischemia in medically treated patient foramen ovale: a meta-analysis. *Neurology* 2011 Jul 19;77(3):301-302.
301. Carson JL, Terrin ML, Noveck H, Sanders DW, Chaitman BR, Rhoads GG, Nemo G, Dragert K, Beaupre L, Hildebrand K, Macaulay W, Lewis C, Cook DR, Dobbin G, Zakriya KJ, Apple FS, Horney RA, Magaziner J for the FOCUS Investigators*. (*Foothills Hospital site lead.) Liberal or restrictive transfusion in high-risk patients after hip surgery. *N Engl J Med.* 2011;365(26):2453-62.

300. *Clement FM, Ghali WA, Rinfret S, Manns BJ for the APPROACH Investigators. Economic evaluation of increasing population rates of cardiac catheterization. *BMC Health Serv Res.* 2011;11:324.
- 299.. *Clement FM, Manns BJ, Brownell B, Faris PD, Graham MM, Humphries K, Love M, Knudtson ML, Ghali WA for the APPROACH Investigators. A multi-region assessment of population rates of cardiac catheterization and yield of high-risk coronary artery disease. *BMC Health Serv Res.* 2011;11:323.
298. *Leung AA, Ghali WA. Appreciating the medical literature: five notable articles in general internal medicine from 2009 and 2010. *Open Medicine.* 2011;5(1):49-54.
297. Aitken EM, Powelson SE, Reaume RD, Ghali WA. Involving clinical librarians at the point of care: results of a controlled intervention. *Academic Medicine.* 2011;86(12):1508-12.
296. *Patel AB, Quan H, Faris P, Knudtson ML, Traboulsi M, Li B, Ghali WA. Temporal associations of early patient transfers and mortality with the implementation of a regional myocardial infarction care model. *Can J Cardiol.* 2011;27(6):731-8. .
295. Kieser TM, Lewin AM, Graham MM, Martin BJ, Galbraith PD, Rabi DM, Norris CM, Faris PD, Knudtson ML, Ghali WA for the APPROACH Investigators. Outcomes associated with bilateral internal thoracic artery grafting: the importance of age. *Ann Thorac Surg.* 2011;92(4):1269-75.
294. *Januel JM, Couris CM, Luthi JC, Halfon P, Trombert-Paviot B, Quan H, Drosler S, Sundararajan V, Pradat E, Touzet S, Wen E, Shephard J, Webster G, Romano PS, So L, Moskal L, Tournay-Lewis L, Sundaresan L, Kelley E, Klazinga N, Ghali WA, Colin C, Burnand B for the International Methodology Consortium for Coded Health Information (IMECCHI) Investigators. ICD-10 adaptation of 15 Agency for Healthcare Research and Quality patient safety indicators. *Rev Epidemiol Sante Publique* 2011;59(5)341-50.
293. *Li P, Stelfox HT, Ghali WA. A prospective observational study of physician handoff for intensive-care-unit-to-ward patient transfers. *Am J Med.* 2011;124(9):860-7.
292. *Januel JM, Luthi JC, Quan H, Borst F, Taffe P, Ghali WA, Burnand B. Improved accuracy of comorbidity coding over time after the introduction of ICD-10 administrative data. *BMC Health Serv Res.* 2011;11(1):194.
291. *Ma IW, *Brindle ME, Ronksley PE, Lorenzetti DL, Sauve RS, Ghali WA. Use of simulation-based education to improve outcomes of central venous catheterization: a systematic review and meta-analysis. *Academic Medicine.* 2011;86(9):1137-47.
290. McMurtry MS, Lewin AM, Knudtson ML, Ghali WA, Galbraith PD, Schulte F, Norris CM, Graham MM. The clinical profile and outcomes associated with coronary collaterals in patients with coronary artery disease. *Can J Card.* 2011 Sep-Oct;27(5):581-8.
289. Althaus F, Paroz S, Hugli O, Ghail WA, Daepfen JB, Peytremann-Bridevaux I, Bodenmann P. Effectiveness of interventions targeting frequent users of emergency departments: a systematic review. *Ann Emerg Med.* 2011;58(1):41-52.

288. *Metcalf A, *Lail P, Ghali WA, Sauve RS. The association between neighbourhoods and adverse birth outcomes: a systematic review and meta-analysis of multi-level studies. *Paediatr Perinat Epidemiol.* 2011;25(3):236-45.
287. Southern DA, Izadneghadar M, Humphries KH, Gao M, Wang F, Knudstson ML, Graham MM, Ghali WA. Trends in wait times for cardiac revascularization. *Can J Cardiol.* 2011;27(2):262.e21-7.
286. *Butalia S, *Leung AA, Ghali WA, Rabi DM. Aspirin effect on the incidence of major adverse cardiovascular events in patients with diabetes mellitus: a systematic review and meta-analysis. *Cardiovascular Diabetology.* 2011;10:25.
285. *Ronksley PE, Hemmelgarn BR, Heitman SJ, Flemons WW, Ghali WA, Manns B, Faris P, Tsai WH. Excessive daytime sleepiness is associated with increased health care utilization among patients referred for assessment of OSA. *Sleep.* 2011;34(3):363-70.
284. *Wilton SB, *Leung AA, Ghali WA, Faris P, Exner DV. Outcomes of cardiac resynchronization therapy in patients with versus those without atrial fibrillation: a systematic review and meta-analysis. *Heart Rhythm* 2011;8(7):1088-94.
283. *Brien SE, *Ronksley PE, Turner BJ, Mukamal KJ, Ghali WA. Effect of alcohol consumption on biological markers associated with risk of coronary heart disease: systematic review and meta-analysis of interventional studies. *BMJ* 2011;Feb 22;342d636.
282. *Ronksley PE, *Brien SE, Turner BJ, Mukamal KJ, Ghali WA. Association of alcohol consumption with selected cardiovascular disease outcomes: a systematic review and meta-analysis. *BMJ* 2011; Feb 22:342-d671.
281. *Butalia S, *Leung AA, Ghali WA, Rabi DM. Aspirin effect on the incidence of major adverse cardiovascular events in patients with diabetes mellitus: a systematic review and meta-analysis. *Cardiovasc Diabetol* 2011;Apr 1;10(1):25 (Epub ahead of print).
280. *Hamilton MG, *Yee WH, Hull RD, Ghali WA. Venous thromboembolism prophylaxis in patients undergoing cranial neurosurgery: a systematic review and meta-analysis. *Neurosurgery* 2011;Mar;68(3):571-81.
279. Graham MM, Ghali WA, Southern DA, Traboulsi M, Knudtson ML; APPROACH Investigators. Outcomes of after-hours versus regular working hours primary percutaneous coronary intervention for acute myocardial infarction. *BMJ Quality and Safety.* 2011 Jan;20(1):60-7.
278. *James MT, Ghali WA, Knudtson ML, Ravani P, Tonelli M, Faris P, Pannu N, Manns BJ, Klarenbach SW, Hemmelgarn BR; for the Alberta Provincial Project for Outcome Assessment in Coronary Heart Disease (APPROACH) Investigators. Associations between acute kidney injury and cardiovascular and renal outcomes after coronary angiography. *Circulation,* 2011 Feb 1;123(4):409-416 (Epub 2011 Jan 17).
277. *Motamedi SM, *Posadas-Calleja J, Straus S, Bates DW, Lorenzetti DL, Baylis B, Gilmour J, Kimpton S, Ghali WA. The efficacy of computer-enabled discharge

- communication interventions: a systematic review. *BMJ Quality and Safety*. 2011 May; 20(5):403-15.
276. Bodenmann P, Cornuz J, Vaucher P, Ghali W, Daeppen JB, Favrat B. A health behavior cross-sectional study of immigrants and non-immigrants in a Swiss urban general-practice setting. *J Immigr Minor Health*. 2010 Feb;12(1):24-32.
275. Quan H, Khan N, Li B, Humphries KH, Faris P, Galbraith PD, Graham M, Knudtson ML, Ghali WA. Invasive cardiac procedure use and mortality among South Asian and Chinese Canadians with coronary artery disease. *Can J Cardiol*. 2010 Jul;26(7):e236-42.
274. Johansen H, Brien SE, Fines P, Bernier J, Humphries K, Stukel TA, Ghali WA; Canadian Cardiovascular Outcomes Research Team. Thirty-day in-hospital revascularization and mortality rates after acute myocardial infarction in seven Canadian provinces. *Can J Cardiol*. 2010 Jul;26(7)e243-8.
273. *Barnabe C, *Martin BJ, Ghali WA. Systematic review and meta-analysis: Anti-tumor necrosis factor alpha therapy and cardiovascular events in rheumatoid arthritis. *Arthritis Care Res (Hoboken)*. 2011;Apr;63(4):522-9.
272. Jette N, Quan H, Hemmelgarn B, Drosler S, Maass C, Moskal L, Paoin W, Sundararajan V, Gao S, Jakob R, Ustun B, Ghali WA; IMECCHI Investigators. The development, evolution, and modifications of ICD-10: challenges to the international comparability of morbidity data. *Med Care*. 2010 Dec;48(12):1105-10.
271. *Wilton SB, Fundytus A, Ghali WA, Veenhuyzen GD, Quinn FR, Mitchell LB, Hill MD, Faris P, Exner DV. Meta-analysis of the effectiveness and safety of catheter ablation of atrial fibrillation in patients with versus without left ventricular systolic dysfunction. *Am J Cardiol*. 2010 Nov 1;106(9):1284-91. Review.
270. *Khan NA, Campbell NR, Frost SD, Gilbert K, Michota FA, Usmani A, Seal D, Ghali WA. Risk of intra-operative hypotension with loop diuretics: a randomized controlled trial. *Am J Med*. 2010 Nov;123(11):1059.e1-8.
269. *Hassan A, Newman A, Ko DT, Rinfret S, Hirsch G, Ghali WA, Tu JV. Increasing rates of angioplasty versus bypass surgery in Canada, 1994-2005. *Am Heart J*. 2010 Nov;160(5):958-65.
268. Wijeyesundera HC, Tomlinson G, Norris CM, Ghali WA, Ko DT, Krahn MD. Predicting EQ-5D Utility scores from the Seattle angina questionnaire in coronary artery disease: A mapping algorithm using a Bayesian framework. *Med Decis Making*. 2010 May-Jun; 31(3):481-93.
267. Lemaire JB, Wallace JE, Dinsmore K, Lewin AM, Ghali WA, Roberts D. Physician nutrition and cognition during work hours: effect of a nutrition-based intervention. *BMC Health Serv Res*. 2010;10(1):241.

266. Stelfox HT, Straus SE, Ghali WA, Conly J, Laupland K, Lewin A. Temporal artery versus bladder thermometry during adult medical-surgical intensive care monitoring: an observational study. *BMC Anesthesiol.* 2010;10(1):13.
265. Taylor CM, Humphries KH, Pu A, Ghali W, Gao M, Knudtson M, Hoffmann U, Carere RG. A proposed clinical model for efficient utilization of invasive coronary angiography. *Am J Cardiol.* 2010;106(4):457-62.
264. *James MT, Ghali WA, Tonelli M, Faris P, Knudtson ML, Pannu N, Klarenbach SW, Manns BJ, Hemmelgarn BR. Acute kidney injury following coronary angiography is associated with a long-term decline in kidney function. *Kidney Int.* 2010 Oct; 78(8):803-809.
263. *Freiheit EA, Hogan DB, Eliasziw M, Meekes MF, Ghali WA, Partlo LA, Maxwell CJ. Development of a frailty index for patients with coronary artery disease. *J Am Geriatr Soc.* 2010 Jul 13. *J Am Geriatr Soc.* 2010 Aug;58(8):1526-31.
262. *So L, Beck CA, Brien S, Kennedy J, Feasby TE, Ghali WA, Quan H. Chart documentation quality and its relationship to the validity of administrative data discharge records. *Health Informatics J.* 2010 Jun;16(2):101-13.
261. Cantor WJ, Strauss BH, Graham MM, Southern DA, Woo K, Tyrrell B, Knudtson M, Ghali WA. Time of day and outcomes of nonurgent percutaneous coronary intervention performed during working hours. *Am Heart J.* 2010;159(6):1133-8.
260. Rabi D, Clement F, McAlister F, Majumdar S, Sauve R, Johnson J, Ghali W. Effect of perioperative glucose-insulin-potassium infusions on mortality and atrial fibrillation after coronary artery bypass grafting: a systematic review and meta-analysis. *Can J Cardiol.* 2010;26(6):178-84.
259. Southern DA, Roberts B, Edwards A, Dean S, Norton P, Svenson LW, Larsen E, Sargious P, Lau DC, Ghali WA. Validity of administrative data claim-based methods for identifying individuals with diabetes at a population level. *Can J Public Health.* 2010;101(1):61-4.
258. *Patel AB, Tu JV, Waters NM, Ko DT, Eisenberg MJ, Huynh T, Rinfret S, Knudtson M, Ghali WA. Access to primary percutaneous coronary intervention for ST-segment elevation myocardial infarction in Canada: a geographic analysis. *Open Medicine.* 2010;1(1):13. (Subject of an editorial)
257. Ghali WA, Kendall C, Palepu A. Pharmaceutical representation on CIHR's governing council. *Open Medicine* 2010;1(1):26-27.
256. *Deyell MW, Ghali WA, Ross DB, Zhang J, Hemmelgarn BR; for the Alberta Provincial Project for Outcome Assessment in Coronary Heart Disease (APPROACH) Investigators. Timing of nonemergent coronary artery bypass grafting and mortality after non-ST elevation acute coronary syndrome. *Am Heart J.* 2010;159:490-496.
255. *Brien SE, Lorenzetti DL, Lewis S, Kennedy J, Ghali WA. Overview of a formal scoping review on health system report cards. *Implement Sci.* 2010;15;5:2.

254. Rabi DM, Edwards AL, Svenson LW, Graham MM, Knudtson ML, Ghali WA; Alberta Provincial Project for Assessing Outcomes in Coronary Heart Disease Investigators. Association of median household income with burden of coronary artery disease among individuals with diabetes. *Circ Cardiovasc Qual Outcomes*. 2010;3:48-53.
253. *Conley J, Jordan M, Ghali WA. Medical subspecialists' views on consultations from a general medical services team. *Canadian Journal of General Internal Medicine*. 2009;4(3):192-194.
252. *Girard LP, Feasby TE, Eliasziw M, Quan H, Kennedy J, Barnett HJ, Ghali WA. Complication rates after left- versus right-sided carotid endarterectomy. *Circ Cardiovasc Qual Outcomes*. 2009 ;6 :642-7.
251. *McColl RJ, Brar B, Ghali WA, Dixon E. Hepatic resection in Canada : Rates and geographic variation. *Can J Surg*. 2009;52 :E-264-8.
250. McAlister FA, Fradette M, Majumdar SR, Williams R, Graham M, McMeekin J, Ghali WA, Tsuyuki RT, Knudtson ML, Grimshaw J. The enhancing secondary prevention in coronary artery disease trial. *CMAJ*. 2009;181:897-904.
249. Wallace JE, Lemaire JB, Ghali WA. Physician wellness : a missing quality indicator. *Lancet* 2009;374:1714-21. (Subject of an editorial)
248. *Shahid R, Bertazzon S, Knudtson ML, Ghali WA. Comparison of distance measures in spatial analytical modeling for health services planning. *BMC Health Serv Res*. 2009;9:200.
247. Quan H, Khan N, Hemmelgarn BR, Tu K, Chen G, Campbell N, Hill MD, Ghali WA, McAlister FA. Validation of a case definition to define hypertension using administrative data. *Hypertension*. 2009;54:1423-8.
246. Austin D, Oldroyd KG, Holmes DR Jr, Rihal CS, Galbraith PD, Ghali WA, Legrand V, Taeymans Y, McConnachie A, Pell JP. Drug-eluting stents: a study of international practice. *Am Heart J*. 2009;158(4):576-84.
245. Johansen H, Bernier J, Finès P, Brien S, Ghali WA, Wolfson M, for the Canadian Cardiovascular Outcomes Research Team. Variations by health region in treatment and survival after heart attack. *Health Reports*. 2009;20:29-34.
244. King KM, Norris CM, Knudtson ML, Ghali W. Risk-taking attitudes and their association with process and outcomes of cardiac care: a cohort study. *BMC Cardiovascular Disorders*. 2009;9(1):36.
243. *Wu CM, Manns BJ, Hill MD, Ghali WA, Donaldson C, Buchan AM. Rapid evaluation after high-risk TIA is associated with lower stroke risk. *Can J Neurol Sci* 2009;36(4):450-5.
242. Rabi DM, Lewin AM, Brown GE, Edwards AL, Johnson JA, Ghali WA. Lay media reporting of rosiglitazone risk: extent, messaging, and quality of reporting. *Cardiovasc Diabetol* 2009;8:40.

241. Knudtson ML, Norris CM, Galbraith PD, Hubacek J, Ghali WA. Explicit risk in acute coronary syndrome management. *Can J Cardiol* 2009;25(Suppl A):29A-36A.
240. *Brien SE, Dixon E, Ghali WA. Measuring and reporting on quality in health care: a framework and road map for improving care. *J Surg Oncol* 2009;99(8):462-6.
239. *Almekhlafi MA, *Wilton SB, Rabi DM, Ghali WA, Lorenzetti DL, Hill MD. Recurrent cerebral ischemia in medically treated patent foramen ovale: a meta-analysis. *Neurology*. 2009;73(2):89-97.
238. Drosler SE, Kalzinga NS, Romano PS, Tancredi DJ, Gogorcena Aoiz MA, Hewitt MC, Scobie S, Soop M, Wen E, Quan H, Ghali WA, Mattke S, Kelley E. Application of patient safety indicators internationally: a pilot study among seven countries. *International Journal for Quality in Health Care*. 2009 Apr 24 (Epub ahead of print)
237. *Forzley BR, Ghali WA. Perioperative medical considerations in patients with chronic kidney disease. *Canadian Journal of General Internal Medicine* 2009;4(1):10-12.
236. *Philpott AC, Southern DA, Clement FM, Galbraith PD, Traboulsi M, Knudtson ML, Ghali WA; APPROACH Investigators. Long-term outcomes of patients receiving drug-eluting stents. *CMAJ* 2009 Jan 20;180(2):167-74.
235. Poppe AY, Majumdar SR, Jeerakathil T, Ghali W, Buchan AM, Hill MD; on behalf of the CASES Investigators. Admission hyperglycemia predicts a worse outcome in stroke patients treated with intravenous thrombolysis. *Diabetes Care* 2009 Jan. 8 (Epub ahead of print).
234. King KM, Southern DA, Cornuz J, Maitland A, Knudtson ML, Ghali WA. Elevated body mass index and use of coronary revascularization after cardiac catheterization. *Am J Med* 2009 Mar;122(3):273-80.
233. *Conley J, Jordan M, Ghali WA. Audit of the consultation process on general internal medicine services. *Qual Saf Health Care* 2009 Feb;18(1):59-62.
232. Ghali WA, Rodondi N. HDL cholesterol and cardiovascular risk. *BMJ* 2009 Feb; 338:a3065.
231. *Clement FM, Ghali WA, Donaldson C, Manns BJ. The impact of using different costing methods on the results of an economic evaluation of cardiac care: microcosting vs. gross-costing approaches. *Health Econ* 2009 18(4):377-388.
230. Norris CM, Spertus JA, Jensen L, Johnson J, Hegadoren KM, Ghali WA; APPROACH Investigators. Sex and gender discrepancies in health-related quality of life outcomes among patients with established coronary artery disease. *Circ Cardiovasc Qual Outcomes*. 2008 :1 :123-30.
229. Gao S, Manns BJ, Culleton BF, Tonelli M, Quan H, Crowshoe L, Ghali WA, Svenson LW, Ahmed S, Hemmelgarn BR: Alberta Kidney Disease Network. Access to health care among status Aboriginal people with chronic disease. *CMAJ* 2008 Nov; 179(10):1007-12.

228. Boodhwarti M, Nathan HJ, Mesana TG, Rubens FD; Cardiotomy Investigators. Effects of shed mediastinal blood on cardiovascular and pulmonary function: A randomized, double-blind study. *Ann Thorac Surg* 2008 Oct; 86(4):1167-73.
227. Quan H, Li B, Saunders LD, Parsons GA, Nilsson CI, Alibhai A, Ghali WA; IMECCHI Investigators. Assessing validity of ICD-9-CM and ICD-10 administrative data in recording clinical conditions in a unique dually coded database. *Health Serv Res*. 2008 Aug;43(4):1424-41.
226. *McColl RJ, You X, Ghali WA, Kaplan G, Myers R, Dixon E. Recent trends of hepatic resection in Canada: 1995-2004. *J Gastrointest Surg*. 2008 Nov;12(11):1839-46.
225. Schmaltz HN, Southern DA, Maxwell CJ, Knudtson ML, Ghali WA; for the APPROACH Investigators. Patient sex does not modify ejection fraction as a predictor of death in heart failure: Insights from the APPROACH Cohort. *J Gen Intern Med*. 2008 Oct 2 (Epub ahead of print).
224. Kline TJ, Willness C, Ghali WA. Predicting patient complaints in hospital settings. *Qual Saf Health Care*. 2008 Oct;17(5):346-50.
223. *Jordan MR, Conley J, Ghali WA. Consultation patterns and clinical correlates of consultation in a tertiary care setting. *BMC Res Notes*. 2008 Oct 28;1(1):96.
222. *Brien SE, Ghali WA. Public reporting of the hospital standardized mortality ratio (HSMR): implications for the Canadian approach to safety and quality in health care. *Open Medicine* 2008;3:1-4.
221. Southern DA, Lewis S, Maxwell CJ, Dunn JR, Noseworthy TW, Corbett G, Thomas K, Ghali WA. Sampling 'hard-to-reach' populations in health research: yield from a study targeting Americans living in Canada. *BMC Medical Research Methodology*. 2008;8:57.
220. *Brien SE, Ghali WA. CIHI's Hospital Standardized Mortality Ratio: Friend or Foe? *Healthc Pap* 2008;8:57-61.
219. Gyenes GT, Ghali WA. Should all patients with asymptomatic but significant (>50%) left main coronary artery stenosis undergo surgical revascularization? *Circulation* 2008;118:422-5.
218. *Clement FM, Ghali WA, Donaldson C, Manns BJ. The impact of using different costing methods on the results of an economic evaluation of cardiac care: microcosting vs. gross-costing approaches. *Health Econ* 2008;July 10 (Epub ahead of print)
217. *Auer R, *Gaume J, Rodondi N, Cornuz J, Ghali WA. Efficacy of in-hospital multidimensional interventions of secondary prevention after acute coronary syndrome: a systematic review and meta-analysis. *Circulation* 2008 117:3109-17.
216. POISE Study Group (including Ghali WA, site investigator, Calgary). Effects of extended-release metoprolol succinate in patients undergoing non-cardiac surgery (POISE trial): a randomized controlled trial. *Lancet* 2008;371:1839-47.

215. *Peytremann-Bridevaux I, *Staeger P, Bridevaux PO, Ghali WA, Burnand B. Effectiveness of chronic obstructive pulmonary disease management programs: systematic review and meta-analysis. *Am J Med* 2008;121:433-43.
214. *Bodenmann P, Cornuz J, Vaucher P, Ghali W, Daeppen JB, Favrat B. A health behaviour cross-sectional study of immigrants and non-immigrants in a Swiss urban general practice setting. *J Immigr Minor Health* 2008;Apr 30 (Epub ahead of print)
213. Schieman C, MacLean AR, Buie WD, Rudmik LR, Ghali WA, Dixon E. Does surgeon fatigue influence outcomes after anterior resection for rectal cancer. *Am J Surg* 2008;195:684-7.
212. *Guessous I, *Periard D, Lorenzetti D, Cornuz J, Ghali WA. The efficacy of pharmacotherapy for decreasing the expansion rate of abdominal aortic aneurysms: a systematic review and meta-analysis. *PLoS One*. 2008;3(3):e1895.
211. MacKay A, You I, Bigam D, Lafreniere R, Sutherland F, Ghali W, Dixon E. Impact of surgeon training on outcomes of resective hepatic surgery. *Ann Surg Oncol* 2008;15:1348-55.
210. *Hubacek J, *Kalla S, Galbraith PD, Graham MM, Knudtson ML, Ghali WA. Outcomes of revascularization strategies for two-vessel coronary artery disease involving the proximal left anterior descending artery in an era of improved pharmacotherapy and stenting. *Can J Cardiol*. 2008; 24(2):121-6.
209. *Woo KS, Ghali WA, Southern DA, Tu JV, Parsons G, Graham MM. Feasibility of determining myocardial infarction type from medical record review. *Can J Cardiol*. 2008; 24(2):115-7.
208. Kline TJ, Willness C, Ghali WA. Determinants of adverse events in hospitals--the potential role of patient safety culture. *J Healthc Qual*. 2008; 30(1):11-7.
207. Makowsky MJ, McAlister FA, Galbraith PD, Southern DA, Ghali WA, Knudtson ML, Tsuyuki RT; Alberta Provincial Program for Outcome Assessment in Coronary Heart Disease (APPROACH) Investigators. Lower extremity peripheral arterial disease in individuals with coronary artery disease: prognostic importance, care gaps, and impact of therapy. *Am Heart J*. 2008; 155(2):348-55.
206. Southern DA, Norris CM, Quan H, Shrive FM, Galbraith PD, Humphries K, Gao M, Knudtson ML, Ghali WA; APPROACH Investigators. An administrative data merging solution for dealing with missing data in a clinical registry: adaptation from ICD-9 to ICD-10. *BMC Med Res Methodol*. 2008; 8:1
205. *Willi C, *Bodenmann P, Ghali WA, Faris PD, Cornuz J. Active smoking and the risk of type 2 diabetes: a systematic review and meta-analysis. *JAMA*. 2007; 298(22):2654-64. Review.
204. *Wu CM, McLaughlin K, Lorenzetti DL, Hill MD, Manns BJ, Ghali WA. Early risk of stroke after transient ischemic attack: a systematic review and meta-analysis. *Arch Intern Med*. 2007; 167(22):2417-22. Review.

203. *Goldberg A, Southern DA, Galbraith PD, Traboulsi M, Knudtson ML, Ghali WA; Alberta Provincial Project for Outcome Assessment in Coronary Heart Disease (APPROACH) Investigators. Coronary dominance and prognosis of patients with acute coronary syndrome. *Am Heart J.* 2007; 154(6):1116-22.
202. Sundararajan V, Quan H, Halfon P, Fushimi K, Luthi JC, Burnand B, Ghali WA; International Methodology Consortium for Coded Health Information (IMECCHI). Cross-national comparative performance of three versions of the ICD-10 Charlson index. *Med. Care.* 2007; 45(12):1210-5.
201. Gao S, Manns BJ, Culleton BF, Tonelli M, Quan H, Crowshoe L, Ghali WA, Svenson LW, Hemmelgarn BR, Alberta Kidney Disease Network. Prevalence of chronic kidney disease and survival among aboriginal people. *J Am Soc Nephrol.* 2007; 18(11):2953-9.
200. *Patel AB, Waters NM, Ghali WA. Determining geographic areas and populations with timely access to cardiac catheterization facilities for acute myocardial infarction care in Alberta, Canada. *Int J Health Geogr.* 2007; 6:47.
199. Feasby TE, Kennedy J, Quan H, Girard L, Ghali, WA. Real-world replication of randomized controlled trial results for carotid endarterectomy. *Arch Neurol.* 2007; 64(10):1496-500.
198. Kline TJ, Baylis BW, Chatur F, Morrison SA, White DE, Flin RH, Ghali WA. Patient satisfaction: evaluating the success of hospital ward redesign. *Journal of Healthcare Quality.* 2007;29:44-9.
197. *Baskett RJ, Exner DV, Hirsch GM, Ghali WA. Mitral insufficiency and morbidity and mortality in left ventricular dysfunction. *Canadian Journal of Cardiology* 2007;23:797-800.
196. Bainey KR, Norris CM, Graham MM, Ghali WA, Knudtson ML, Welsh RC for the APPROACH Investigators. Clinical in-stent restenosis with bare metal stents: Is it truly a benign phenomenon? *International Journal of Cardiology* 2007;128(3):378-382.
195. Luthi JC, Troillet N, Eisenring MC, Sax H, Burnand B, Quan H, Ghali WA. Administrative data outperformed single-day chart review for comorbidity measure. *International Journal for Quality in Health Care.* 2007;19:225-31.
194. Quan H, Galbraith PD, Norris CM, Southern DA, King K, Verhoef MJ, Knudtson ML, and Ghali WA. Opinions on chelation therapy in patients undergoing coronary angiography: cross-sectional survey. *Canadian Journal of Cardiology.* 2007;23:635-40.
193. McAlister FA, Oreopoulos A, Norris CM, Graham MM, Tsuyuki RT, Knudtson M, Ghali WA, for the APPROACH Investigators. Exploring the treatment-risk paradox. *Archives of Internal Medicine.* 2007;167:1019-25.
192. *Harrop AR, Brant RF, Ghali WA, Macarthur C. Injury mortality rates in Native and non-Native children: a population-based study. *Public Health Rep.* 2007;122:339-46.

191. Ray JG, Norris CM, Udell JA, Tsuyuki RT, McAlister FA, Knudtson ML, Ghali WA, for the APPROACH Investigators. Lipid-lowering therapy and outcomes in heart failure. *J Cardiovasc Pharmacol Ther* 2007;12:27-35.
190. *Bagshaw SM, Delaney A, Haase M, Ghali WA, Bellomo R. Loop diuretics in the management of acute renal failure: A systematic review and meta-analysis. *Crit Care Resusc.* 2007;9(1):60-68.
189. Pilote L, Dasgupta K, Guru V, Humphries KH, McGrath J, Norris C, Rabi D, Tremblay J, Alamian A, Barnett T, Cox J, Ghali WA, Grace S, Hamet P, Ho T, Kirkland S, Lambert M, Libersan D, O'Loughlin J, Paradis G, Petrovich M, Tagalakis V. A comprehensive view of sex-specific issues related to cardiovascular disease. *CMAJ* 2007;176(6):S1-44. Review.
188. Graham AJ, Shrive FM, Ghali WA, Manns BJ, Grondin SC, Finley RJ, Clifton J. Defining the optimal treatment of locally advanced esophageal cancer: A systematic review and decision analysis. *Ann Thorac Surg.* 2007;83(4):1257-64. Review.
187. *Rabi DM, Edwards AL, Svenson LW, Sargious PM, Norton P, Larsen ET, Ghali WA. Clinical and medication profiles stratified by household income in patients referred for diabetes care. *Cardiovas Diabetol* 2007;30:6-11.
186. Schmaltz HN, Southern D, Ghali WA, Jelinski SE, Parsons GA, King KM, Maxwell CJ. Living alone, patient sex and mortality after acute myocardial infarction. *J Gen Intern Med.* 2007;22(5):572-578.
185. *Freedman RJ, Samson SL, Edwards AL, Schaefer JP, Southern DA, Quan H, Ghali WA. Glycemic control and use of the insuling sliding scale in hospitalized patients with diabetes. *J Healthc Qual.* 2007;29(2):31-37.
184. Ghali WA. Les succès et les défis de la médecine interne en Suisse – quelques impressions d'un visiteur. *Revue Médicale Suisse.* 2007;3 :259-60.
183. *Shrive FM, Ghali WA, Jonson JA, Donaldson C, Manns BJ. Use of the US and UK scoring algorithm for the EuroQol-5D in an economic evaluation of cardiac care. *Medical Care* 2007;45:269-73.
182. Hemmelgarn BR, Culleton BF, Ghali WA. Derivation and validation of a clinical index for prediction of rapid progression of kidney dysfunction. *Quarterly Journal of Medicine.* 2007;100:87-92.
181. Guru V, Fremes SE, Naylor CD, Austin PC, Shrive FM, Ghali WA, Tu JV; Cardiac Care Network of Ontario. Public versus private institutional performance reporting: what is mandatory for quality improvement? *Am Heart J.* 2006 Sep;152(3):573-8.
180. Southern DA, Faris PD, Brant R, Galbraith PD, Norris CM, Knudtson ML, Ghali WA; APPROACH Investigators. Kaplan-Meier methods yielded misleading results in competing risk scenarios. *J Clin Epidemiol.* 2006 Oct;59(10):1110-4.

179. *Rabi DM, Edwards AL, Southern DA, Svenson LW, Sargious PM, Norton P, Larsen ET, Ghali WA. Association of socio-economic status with diabetes prevalence and utilization of diabetes care services. *BMC Health Serv Res*. 2006 Oct 3;6:124.
178. *Bagshaw SM, Galbraith PD, Mitchell LB, Sauve R, Exner DV, Ghali WA. Prophylactic amiodarone for prevention of atrial fibrillation after cardiac surgery: a meta-analysis. *Ann Thorac Surg*. 2006 Nov;82(5):1927-37. Review.
177. *Shrive FM, Stuart H, Quan H, Ghali WA. Dealing with missing data in a multi-question depression scale: a comparison of imputation methods. *BMC Med Res Methodol*. 2006 Dec 13;6:57.
176. Aujesky D, Ghali W, Waeber G, Lamy O, Cornuz J. Clinical research in general internal medicine: present and future perspectives. *Rev Med Suisse*, 2006. Nov 8;2(86):2534-7. French.
175. Ghali WA, Cornuz J, Echenberg D. GIM goes global: The first international symposium in General Internal Medicine – Toronto, April 2007. *Canadian Journal of General Internal Medicine*. 2006;1:20. (Invited commentary)
174. *Bize R, Stoianov R, Ruffieux C, Ghali WA, Paccaud F, Cornuz J. Effectiveness of a low-intensity smoking cessation intervention for hospitalized patients. *Eur J Cancer Prev* 2006;15:464-70.
173. *McArthur HL, *Chou SH, Southern DA, Ghali WA, Lemaire JB. Who looks after me? The impact of a communication tool on a medical teaching unit. *Journal for Health Care Quality*. 2006;W1:2-5.
172. Gyenes G, Shrive FM, Graham MM, Ghali WA, Knudtson ML, for the APPROACH Investigators. The prognostic importance of non-significant left main coronary artery disease in patients undergoing percutaneous coronary intervention. *J Am Coll Cardiol* 2006;48:276-80.
171. DeCoster C, Quan H, Finlayson A, Gao M, Halfon P, Humphries KH, Johansen H, Lix LM, Luthi JC, Ma J, Romano PS, Roos L, Sundararajan V, Tu JV, Webster G, Ghali WA. Identifying priorities in methodological research using ICD-9-CM and ICD-10 administrative data: report from an international consortium. *BMC Health Serv Res* 2006;6:77.
170. McAlister FA, Ghali WA, Gong Y, Fang J, Armstrong PW, Tu JV. Aspirin use and outcomes in a community-based cohort of 7352 patients discharged after first hospitalization for heart failure. *Circulation*. 2006;113:2572-8.
169. McAlister FA, Fradette M, Graham M, Majumdar SR, Ghali WA, Williams R, Tsuyuki RT, McMeekin J, Grimshaw J, Knudtson ML. A randomized trial to assess the impact of opinion leader endorsed evidence summaries on the use of secondary prevention strategies in patients with coronary disease: the ESP-CAD trial protocol. *Implement Sci* 2006;1:11.

168. Graham MM, Norris CM, Galbraith PD, Knudtson ML, Ghali WA, for the APPROACH Investigators. Quality of life after coronary revascularization in the elderly. *Eur Heart J* 2006;27:1690-8.
167. Ghali WA, Noseworthy TW. In search of 'truth' and standards for reporting cardiac procedure waiting times. *Can J Cardiol* 2006;22:503-4.
166. Hemmelgarn BR, Zhang J, Manns BJ, Tonelli M, Larsen E, Ghali WA, Southern DA, McLaughlin K, Mortis G, Culleton BF. Progression of kidney dysfunction in the community-dwelling elderly. *Kidney Int* 2006;69:2155-61.
165. Hemmelgarn BR, Southern DA, Humphries KH, Culleton, Knudtson ML, Ghali WA. Refined characterization of the association between kidney function and mortality in patients undergoing cardiac catheterization. *Eur Heart J* 2006;27:1191-7.
164. *Norris CM, Ghali WA, Saunders LD, Brant R, Galbraith PD, Faris P, Knudtson ML, for the APPROACH Investigators. Ordinal regression model and the linear regression model were superior to the logistic regression models for analysis of quality of life data. *J Clin Epidemiol* 2006;59:448-56.
163. Southern DA, Faris PD, Knudtson ML, Ghali WA, for the APPROACH Investigators. Prognostic relevance of census-derived individual respondent incomes versus household incomes. *Can J Public Health* 2006;97:114-7.
162. Ghali WA, Greenberg PB, Mejia R, Otaki J, Cornuz J. International perspectives on general internal medicine and the case for 'globalization' of a discipline. *Journal of General Internal medicine*. 2006;21:197-200.
161. *Rodondi N, Humair JP, Ghali WA, Ruffieux C, Stoianov R, Seematter-Bagnoud L, Stalder H, Pecoud A, Cornuz J. Counselling overweight and obese patients in primary care: a prospective cohort study. *Eur J Cardiovasc Prev Rehabil* 2006;13:222-8.
160. Quan H, Wang F, Schopflocher D, Norris C, Galbraith PD, Faris P, Graham MM, Knudtson ML, Ghali WA. Development and validation of a surname list to define Chinese ethnicity. *Med Care* 2006;44:328-33.
159. Quan H, Fong A, DeCoster C, Wang J, Musto R, Noseworthy TW, Ghali WA. Variation in health services utilization among ethnic populations. *CMAJ* 2006;174:787-91.
158. *Khan NA, Quan H, Bugar JM, Lemaire JB, Brant R, Ghali WA. Association of post-operative complications with hospital costs and length of stay in a tertiary care center. *Journal of General Internal Medicine* 2006;21:177-80.
157. *Seidel JE, Beck CA, Pocobelli G, Lemaire JB, Bugar JM, Quan H, Ghali WA. Location of residence associated with the likelihood of patient visit to the preoperative assessment clinic. *BMC Health Services Research*. 2006;6:13.
156. Southern DA, Knudtson ML, Ghali WA, for the APPROACH Investigators. Myocardial infarction on snow days: incidence, procedure use, and outcomes. *Canadian Journal of Cardiology*. 2006;22:59-61.

155. *Hubacek J, Galbraith PD, Gao M, Humphries K, Graham MM, Knudtson ML, Ghali WA, for the APPROACH Investigators. External validation of a percutaneous coronary intervention mortality prediction model in patients with acute coronary syndromes. *Am Heart J* 2006;151:308-15.
154. *Bagshaw SM, McAlister FA, Manns BJ, Ghali WA. Acetylcysteine in the prevention of contrast-induced nephropathy: a case study of the pitfalls in the evolution of evidence. *Archives of Internal Medicine*. 2006;23:166:161-6.
153. *Baskett RJ, O'Connor GT, Hirsch GM, Ghali WA, Sabadosa KA, Morton JR, Ross CS, Hernandez F, Nugent WC, Lahey SJ, Sisto D, DACEY LH, Klemperer JD, Helm RE, Maitland A. The preoperative intraaortic balloon pump in coronary bypass surgery: a lack of evidence of effectiveness.. *Am Heart J* 2005;150:1122-7.
152. *Hassan A, Buth KJ, BASKETT RJ, Ali IS, Maitland A, Sullivan JA, Ghali WA, Girsch GM. The association between prior percutaneous coronary intervention and short-term outcomes after coronary artery bypass grafting. *Am Heart J*. 2005;150:1026-31.
151. Quan H, Sundararajan V, Halfon P, Fong A, Burnand B, Luthi JC, Saunders LD, Beck CA, Feasby TE, Ghali WA. Coding algorithms for defining comorbidities in ICD-9-CM and ICD-10 administrative data. *Med. Care* 2005;43:1130-9.
150. Southern DA, McLaren L, Hawe P, Knudtson ML, Ghali WA. Individual-level and neighborhood-level income measures: agreement and association with outcomes in a cardiac disease cohort. *Med. Care*. 2005;34:1116-22.
149. *McLellan CS, Ghali WA, Labinaz M, Davis RB, Galbraith PD, Southern DA, Shrive FM, Knudtson ML; Alberta Provincial Project for Outcomes Assessment in Coronary Heart Disease (APPROACH) Investigators. *Am. Heart J*. 2005;150:800-6.
148. *Kennedy J, Quan H, Buchan AM, Ghali WA, Feasby TE. Statins are associated with better outcomes after carotid endarterectomy in symptomatic patients. *Stroke* 2005;36:2072-6.
147. McAlister FA, Man-Son-Hing M, Strauss SE, Ghali WA, Anderson D, Majumdar SR, Gibson P, Cox JL, Fradette M; Decision Aid in Atrial Fibrillation (DAAFI) Investigators. *CMAJ* 2005;173:496-501. Impact of a patient decision aid on care among patients with nonvalvular atrial fibrillation; a cluster randomized trial.
146. Alagiakrishnan K, Beitel JD, Graham MM, Southern D, Knudtson M, Ghali WA, Tsuyuki RT; APPROACH Investigators. Relation of T-axis abnormalities to coronary artery disease and survival after cardiac catheterization. *Am. J. Cardiol*. 2005;95:639-42.
145. *Shrive FM, Ghali WA, Lewis S, Donaldson C, Knudtson ML, Manns BJ. Moving beyond the cost per quality-adjusted life year: modeling the budgetary impact and clinical outcomes associated with the use of sirolimus-eluting stents. *Can. J. Cardiol*. 2005;21:783-7.
144. Graham MM, Ghali WA, Faris PD, Galbraith PD, Tu JV, Norris CM, Zentner A, Knudtson ML, for the APPROACH Investigators. Population rates of cardiac catheterization and

- yield of high-risk coronary artery disease. *CMAJ*. 2005;173:35-9. (**subject of editorial)
143. *Coffin CS, *Saunders C, *Thomas CM, *Loewen AH, Ghali WA, Campbell NR. Validity of ICD-9-CM administrative data for determining eligibility for pneumococcal vaccination triggers. *American Journal for Medical Quality*. 2005;20(3):158-63.
 142. *Bagshaw SM, Ghali WA. Theophylline for prevention of contrast-induced nephropathy: a systematic review and meta-analysis. *Archives of Internal Medicine*. 2005;165(10):1087-93.
 141. Hill MD, Shrive FM, Kennedy J, Feasby TE, Ghali WA. Simultaneous carotid endarterectomy and coronary artery bypass surgery in Canada. *Neurology* 2005;64(8):1435-7.
 140. Humphries KH, Carere RG, Izadnegahdar M, Galbraith PD, Knudtson ML, Ghali WA. Cross-provincial use of cardiac services: the importance of data-sharing for clinical registries and outcomes research. *Can J Cardiol* 2005;21(3):267-72.
 139. *Baskett R, Buth K, Ghali W, Norris C, Maas T, Maitland A, Ross D, Forgie R, Hirsch G. Outcomes in octogenarians undergoing coronary artery bypass grafting. *CMAJ* 2005;172:1183-6.
 138. Ghali WA, Wasil BI, Brant R, Exner DV, Cornuz J. Atrial flutter and the risk of thromboembolism: a systematic review and meta-analysis. *Am J Med*. 2005; 118(2):101-7.
 137. *Shrive FM, Manns BJ, Galbraith PD, Knudtson ML, Ghali WA. Economic evaluation of sirolimus-eluting stents. *CMAJ*. 2005; 172(3):345-51. (**Subject of editorial)
 136. Cornuz J, Faris PD, Galbraith PD, Knudtson ML, Ghali WA, for the APPROACH Investigators. Absence of bias against smokers in access to coronary revascularization after cardiac catheterization. *Int J Qual Health Care*. 2005;17(1):37-42.
 135. *Larsen AI, *Galbraith PD, Ghali WA, Norris CM, Graham MM, Knudtson ML for the APPROACH Investigators. Characteristics and outcomes of patients with acute myocardial infarction and angiographically normal coronary arteries. *Am J Cardiol*. 2005;95(2):261-3.
 134. *Rodondi N, Cornuz J, Ghali WA. Evaluation d'un nouveau test diagnostique par les outils de l'épidémiologie clinique: quels sont les apports d'Evidence-Based Medicine. *Médecine et Hygiène* 2004;62:2349-53.
 133. Norris CM, Jensen LA, Galbraith PD, Graham MM, Daub WD, Knudtson ML, Ghali WA. Referral rate and outcomes of cardiac rehabilitation after cardiac catheterization in a large Canadian city. *J Cardiopulm Rehabil*. 2004;24(6):392-400.
 132. Sundararajan V, Henderson T, Perry C, Muggivan A, Quan H, Ghali WA. New ICD-10 version of the Charlson comorbidity index predicted in-hospital mortality. *J Clin Epidemiol*. 2004;57(12):1288-94.

131. Devereaux PJ, Choi PT, El-Dika S, Bhandari M, Montori VM, Schunemann HJ, Garg AX, Busse JW, Heels-Ansdell D, Ghali WA, Manns BJ, Guyatt GH. An observational study found that authors of randomized controlled trials frequently use concealment of randomization and blinding, despite the failure to report these methods. *J Clin Epidemiol.* 2004;57(12):1232-6.
130. Thompson CR, Humphries KH, Gao M, Galbraith PD, Norris C, Carere RG, Knudtson ML, Ghali WA; Canadian Cardiovascular Outcomes Research Team. Revascularization use and survival outcomes after cardiac catheterization in British Columbia and Alberta. *Can J Cardiol.* 2004;20(14):1417-23.
129. *Rabi D, Ghali WA. Glycemic control and patient outcomes: reconciling 'hard' and 'soft' endpoints. *Canadian Journal of Diabetes* 2004;28(4):356-7.
128. Ghali WA, Cornuz J. The expert viewpoint series. *Canadian Journal of Cardiology* 2004;20(3):269-70.
127. Stein PD, Hull RD, Kayali F, Ghali WA, Alshab AK, Olson RE. Venous thromboembolism according to age: the impact of an aging population. *Arch Intern Med.* 2004;164:2260-5.
126. *Bagshaw SM, Ghali WA. Acetylcysteine for prevention of contrast-induced nephropathy after intravascular angiography: A systematic review and meta-analysis. *BMC Medicine* 2004;2(1):38.
125. *Norris CM, Saunders LD, Ghali WA, Brant R, Galbraith PD, Graham M, Faris P, Dzavik V, Knudtson ML for the APPROACH Investigators. Health-related quality of life outcomes of patients with coronary artery disease treated with cardiac surgery, percutaneous coronary intervention or medical management. *Canadian Journal of Cardiology.* 2004;20:1259-66.
124. Ezekowitz J, McAlister FA, Humphries KH, Norris CM, Tonelli M, Ghali WA, Knudtson ML, for the APPROACH Investigators. The association between renal insufficiency, pharmacotherapy, and outcomes in 6427 patients with heart failure and coronary artery disease. *Journal of the American College of Cardiology.* 2004;44:1587-92.
123. *Khan NA, Taher T, McAlister FA, Ferland A, Campbell NR, Ghali WA. Development of a perioperative medicine research agenda: a cross sectional survey. *BMC Surgery.* 2004;4:11.
122. *Appoo J, Norris C, Merali S, Graham MM, Koshal A, Knudtson ML, Ghali WA. Long-term outcome of isolated coronary artery bypass surgery in patients with severe left ventricular dysfunction. *Circulation.* 2004;110(11 Suppl 1):II13-7.
121. Hemmelgarn BR, Southern D, Culleton BF, Mitchell LB, Knudtson ML, Ghali WA. Survival after coronary revascularization among patients with kidney disease. *Circulation.* 2004;110:1890-95.
120. Quan H, Ghali WA, Dean S, Norris C, Galbraith PD, Faris P, Graham MM, Knudtson ML. Validity of using surname to define Chinese ethnicity. *Can J Public Health.* 2004;95(4):314.

119. *Kennedy J, Quan H, Ghali WA, Feasby TE. Variations in rates of appropriate and inappropriate carotid endarterectomy for stroke prevention in 4 Canadian provinces. *CMAJ*. 2004;171(5):455-9. (**subject of editorial)
118. Jelinski SE, Ghali WA, Parsons GA, Maxwell CJ. Absence of sex differences in pharmacotherapy for acute myocardial infarction. *Can J Cardiol*. 2004;20(9):899-905.
117. Quan H, Parsons GA, Ghali WA. Validity of procedure codes in International Classification of Diseases, 9th revision, clinical modification administrative data. *Med Care*. 2004;42(8):801-9.
116. *Kennedy J, Quan H, Feasby TE, Ghali WA. An audit tool for assessing the appropriateness of carotid endarterectomy. *BMC Health Serv Res*. 2004;4(1):17.
115. Stein PD, Hull RD, Kayali F, Olson RE, Alshab AK, Meyers FA, Ghali WA, Silbergleit A, Gibson P. Venous thromboembolism in pregnancy: 21-year trends. *Am J Med*. 2004;117(2):121-5.
114. Fitchett D, Rockwood K, Chan BT, Schultz S, Bogaty P, Gillis A, Arnold M, Miller F, Graham MM, Ghali WA, Cartier R, Chow CM, Grymonpre R, Ogilvie R, Rochon P, Niznick J, Grover S, Kavanah T, Triscott J, Dafoe W, McCartney N, Rodney P, Howlett J, Chockalingam A, Dagenais G, Dalziel W, Fodor G, Goodman S, Kerr C, Power B, Murphy K. Canadian Cardiovascular Society Consensus Conference 2002: Management of heart disease in the elderly patient. *Can J Cardiol*. 2004;20(Suppl A):7A-16A.
113. Baker GR, Norton PG, Flintoft V, Blais R, Brown A, Cox J, Etchells E, Ghali WA, Hebert P, Majumdar SR, O'Beirne M, Palacios-Derflingher L, Reid RJ, Sheps S, Tamblyn R. The Canadian Adverse Events Study: the incidence of adverse events among hospital patients in Canada. *CMAJ*. 2004;170(11):1678-86. (**subject of editorial)
112. *Aujesky DA, Cornuz J, Bosson JL, Bounameaux H, Emmerich J, Hull RD, Mackay E, Perrier A, Quan H, Tsuyuki RT, Ghali WA. Uptake of new treatment strategies for deep vein thrombosis: an international audit. *Int J Qual Health Care*. 2004;16(3):193-200.
111. Quan H, Parsons GA, Ghali WA. Assessing accuracy of diagnosis-type indicators for flagging complications in administrative data. *J Clin Epidemiol*. 2004;57(4):366-72.
110. McAlister FA, Man-Son-Hing M, Straus SE, Ghali WA, Gibson P, Anderson D, Cox J, Fradette M; Decision Aids in Atrial Fibrillation (DAAFI) Investigators. A randomized trial to assess the impact of an antithrombotic decision aid in patients with nonvalvular atrial fibrillation: the DAAFI trial protocol [ISRCTN14429643]. *BMC Cardiovasc Disord*. 2004;4(1):5.
109. Norris CM, Ghali WA, Galbraith PD, Graham MM, Jensen LA, Knudtson ML, for the APPROACH Investigators. Women with coronary artery disease report worse health-related quality of life outcomes compared to men. *Health Qual Life Outcomes*. 2004;2(1):21.
108. *Seidel JE, Ghali WA, Faris PD, Bow CJ, Waters NM, Graham MM, Galbraith PD, Mitchell LB, Knudtson ML, for the APPROACH Investigators. Geographical location of

- residence and uniformity of access to cardiac revascularization services after catheterization. *Can J Cardiol.* 2004;20(5):517-23.
107. Pilote L, Merrett P, Karp I, Alter D, Austin PC, Cox J, Johansen H, Ghali WA, Tu JV. Cardiac procedures after an acute myocardial infarction across nine Canadian provinces. *Can J Cardiol.* 2004;20(5):491-500.
 106. Stein PD, Hull RD, Patel KC, Olson RE, Ghali WA, Brant R, Biel RK, Bharadia V, Kalra NK. D-dimer for the exclusion of acute venous thrombosis and pulmonary embolism: a systematic review. *Ann Intern Med.* 2004;140(8):589-602. (**subject of editorial)
 105. *Southern DA, Quan H, Ghali WA. Comparison of the Elixhauser and Charlson/Deyo methods of comorbidity measurement in administrative data. *Med Care.* 2004;42(4):355-60.
 104. *Thompson SK, Southern DA, McKinnon JG, Dort JC, Ghali WA. Incidence of perioperative stroke after neck dissection for head and neck cancer: a regional outcome analysis. *Ann Surg.* 2004;239(3):428-31.
 103. Lee H, Doig CJ, Ghali WA, Donaldson C, Johnson D, Manns B. Detailed cost analysis of care for survivors of severe sepsis. *Crit Care Med.* 2004;32(4):981-5.
 102. Armstrong PW, Ezekowitz C, Michelakis E, Anderson T, Archer S, Ghali WA, Hayward R, Jensen L, Lopaschuk G, Sheldon R. Innovative strategic Canadian research training from Tomorrow's Research Cardiovascular Health Care Professionals (TORCH). *Clin Invest Med.* 2004;27(1):33-41.
 101. *Westerhout CM, Saunders LD, Kaul P, Armstrong PW, Knudtson ML, Ghali WA. Interinstitutional variation in the use of abciximab for percutaneous coronary intervention. *Can J Cardiol.* 2004;20(4):405-10.
 100. Faris PD, Grant FC, Galbraith PD, Gong Y, Ghali WA. Diagnostic cardiac catheterization and revascularization rates for coronary heart disease. *Can J Cardiol.* 2004;20(4):391-7.
 99. *Kennedy J, Quan H, Ghali WA, Feasby TE. Importance of the imaging modality in decision making about carotid endarterectomy. *Neurology.* 2004;62(6):901-4.
 98. *Bow CJ, Waters NM, Faris PD, Seidel JE, Galbraith PD, Knudtson ML, Ghali WA, for the APPROACH Investigators. Accuracy of city postal code coordinates as a proxy for location of residence. *Int J Health Geogr.* 2004;3(1):5.
 97. *Norris CM, Ghali WA, Saunders LD, Brant R, Galbraith PD. Systematic review of statistical methods used to analyze Seattle Angina Questionnaire scores. *Can J Cardiol.* 2004;20(2):187-93.
 96. *Hassan A, Quan H, Newman A, Ghali WA, Hirsch GM. Outcomes after aortic and mitral valve replacement surgery in Canada: 1994/95 to 1999/2000. *Can J Cardiol.* 2004;20(2):155-63.

95. *Hassan A, Newman AM, Gong Y, Kennedy C, Humphries KH, Ghali WA, Hirsch GM. Use of valve surgery in Canada. *Can J Cardiol.* 2004;20(2):149-54.
94. King KM, Ghali WA, Faris PD, Curtis MJ, Galbraith PD, Graham MM, Knudtson ML, for the APPROACH Investigators. Sex differences in outcomes after cardiac catheterization: effect modification by treatment strategy and time. *JAMA.* 2004;291(10):1220-5.
93. Hull RD, Ghali WA, Pineo GF. Lessening the diagnostic uncertainty in patients with suspected pulmonary embolism. *Am J Med.* 2004;116(5):352-3.
92. *Baskett RJ, O'Connor GT, Hirsch GM, Ghali WA, Sabadosa K, Morton JR, Ross CS, Hernandez F, Nugent WC Jr, Lahey SJ, Sisto DA, Dacey LJ, Klemperer JD, Helm RE Jr, Maitland A, with the Northern New England Study Group. A multicenter comparison of intraaortic balloon pump utilization in isolated coronary artery bypass graft surgery. *Ann Thorac Surg.* 2003;76(6):1988-92. (***)subject of commentary)
91. Manns B, Johnson JA, Taub K, Mortis G, Ghali WA, Donaldson C. Quality of life in patients treated with hemodialysis or peritoneal dialysis: what are the important determinants? *Clin Nephrol.* 2003;60(5):341-51.
90. *Thompson SK, McKinnon JG, Ghali WA. Perioperative stroke in patients undergoing neck dissection for head and neck cancer. *Canadian Journal of Surgery* 2003;46:332-4.
89. Graham MM, Ghali WA, Faris PD, Galbraith PD, Norris CM, Knudtson ML, for the APPROACH Investigators. Sex differences in the prognostic importance of diabetes in ischemic heart disease. *Diabetes Care.* 2003;26:3142-7.
88. Ghali WA, Quan H, Shrive FM, Hirsch GM, for the Canadian Cardiovascular Outcomes Research Team. Outcomes after coronary artery bypass graft surgery in Canada: 1992/93-2000/01. *Canadian Journal of Cardiology* 2003;19:774-81. (***)subject of editorial)
87. Ghali WA, Donaldson CR, Knudtson ML, Lewis SJ, Maxwell CJ, Tu JV. Rising to the challenge: transforming care for ST-elevation myocardial infarction. *Canadian Medical Association Journal.* 2003;169:35-7.
86. *Jamal SM, Shrive FM, Ghali WA, Knudtson ML, Eisenberg MJ, for the Canadian Cardiovascular Outcomes Research Team. Outcomes after percutaneous coronary intervention in Canada: 1992/93-2000/01. *Canadian Journal of Cardiology* 2003;19:782-9. (***)subject of editorial)
85. *Hemmelgarn BR, Ghali WA, and others. Performance of comorbidity measures in patients with end-stage renal disease. *American Journal of Kidney Disease* 2003;42:125-32.
84. *Faris PD, Ghali WA, Brant R. Bias in estimates of confidence intervals for health outcome report cards. *Journal of Clinical Epidemiology* 2003;56:553-8.
83. Austin PC, Ghali WA, Tu JV. A comparison of statistical modeling strategies for analyzing cost of CABG surgery. *Statistics in Medicine.* 2003;22:2799-815.

82. Stein PD, Hull RD, Ghali WA, Olson RE, Patel K, Meyers FA, Kalra NK. . Tracking the uptake of evidence: twenty year hospital practice trends for deep vein thrombosis and pulmonary embolism. *Archives of Internal Medicine* 2003;163:1213-9
81. Stein PD, Hull RD, Patel KC, Olson RE, Ghali WA, Alshab AK, Meyers FA. Venous thromboembolic disease: comparison of the diagnostic process in blacks and whites. *Archives of Internal Medicine* 2003;163:1843-8.
80. Stein PD, Hull RD, Patel KC, Olson RE, Ghali WA, Alshab AK, Meyers FA. Venous thromboembolic disease: comparison of the diagnostic process in men and women. *Archives of Internal Medicine* 2003;163:1689-94.
79. *Bungard TJ, Ghali WA, Teo KK, McAlister FA, Tsuyuki RT. The relative importance of barriers to the prescription of warfarin for non-valvular atrial fibrillation. *Canadian Journal of Cardiology* 2003;19:280-4.
78. Tu JV, Brien SE, Kennedy CC, Pilote L, Ghali WA. An introduction to the Canadian Cardiovascular Outcomes Research Team (CCORT) Canadian Cardiovascular Atlas Project. *Canadian Journal of Cardiology* 2003;19:225-9.
77. Shammash JB, Ghali WA. Preoperative assessment and perioperative management of the patient with nonischemic heart disease. *Medical Clinics of North America* 2003;87(1):137-52.
76. Taher T, Khan NA, Devereaux PJ, Fisher BW, Ghali WA, McAlister FA. Perioperative cardiac risk and the general internist: variation in assessment, definition, and recommendations. *Journal of General Internal Medicine*. 2002;7(12):933-6.
75. *Fernandes DD, Edwards AL, Larsen ET, Norton P, Sargious PM, Quan H, Ghali WA. Description of patient profiles at a centralized urban diabetes education centre. *Clinical and Investigative Medicine*. 2002;25(6):236-42.
74. Feasby T, Quan H, Ghali WA. Hospital and surgeon characteristics and outcomes of carotid endarterectomy. *Archives of Neurology*. 2002;59(12):1877-81.. (***) subject of accompanying editorial)
73. Hull RD, Stein PD, Ghali WA, Cornuz J. Diagnostic algorithms for deep vein thrombosis: work in progress. *American Journal of Medicine*. 2002;113(8):687-8.
72. Manns BJ, Johnson JA, Taub K, Mortis G, Ghali WA, Donaldson C. Quality of life in patients with End-Stage Renal Disease over time: The impact of dialysis modality and other important determinants. Institute of Health Economics Working Paper (02-05). August 2002. National Library of Canada. ISSN 1481-3823.
71. *Southern DA, Ghali WA, Faris PD, Norris CM, Galbraith PD, Graham MM, Knudtson ML, for the APPROACH Investigators. Misclassification of income quintiles derived from area-based measures: a comparison of enumeration area and forward sortation area. *Canadian Journal of Public Health*. 2002;93:465-9.

70. Ghali WA, Pannatier A, Tsuyuki RT, Hull RD, MacKay E, Quan H, Cornuz J. Transition from unfractionated heparin to low molecular weight heparins. *Thrombosis and Hemostasis*. 2002;88:539-40.
69. Feasby T, Quan H, Ghali WA. Provincial carotid endarterectomy outcomes in Canada. *Canadian Journal of Neurosciences*. 2002;29:333-6. (***)subject of accompanying editorial)
68. *Baskett RJF, Ghali WA, Maitland A, Hirsch GM. The intraaortic balloon pump in cardiac surgery. *Annals of Thoracic Surgery*. 2002;74:1276-87.
67. Manns BJ, Johnson JA, Taub K, Mortis G, Ghali WA, Donaldson C. Dialysis adequacy and health-related quality of life in patients with end-stage renal disease on hemodialysis. *ASAIO J*. 2002;48:565-9.
66. Lee H, Manns BJ, Taub K, Ghali WA, Dean S, Johnson D, Donaldson C. Cost of ongoing care of patients with end-stage renal disease: the impact of dialysis modality and dialysis access. *American Journal of Kidney Disease*. 2002;40:611-22.
65. Ghali WA, Sargious PM. The evolving paradigm of evidence-based medicine. *Journal of Evaluation in Clinical Practice*. 2002;8:109-12.
64. *Quan H, Parsons GA, Ghali WA. Validity of information on comorbidity derived from ICD-9-CM administrative data. *Medical Care*. 2002;40:675-85.
63. *Graham MM, Ghali WA, Faris PD, Galbraith PD, Norris CM, Knudtson ML, for the APPROACH Investigators. Survival after coronary revascularization in the elderly. *Circulation*. 2002;105:2378-84.
62. Ghali WA, Faris PD, Galbraith PD, Norris CM, Curtis MJ, Saunders LD, Dzavik V, Mitchell LB, Knudtson ML, for the APPROACH Investigators. Sex differences in access to coronary revascularization after cardiac catheterization. *Annals of Internal Medicine*. 2002;136:723-32.
61. Kaul P, Saunders LD, Roos LL, Kephart G, Ghali WA, Walld R, Warren J. Trends in utilization of CABG and associated outcomes: Alberta, Manitoba and Nova Scotia. *American Journal of Medical Quality*. 2002;17:103-112.
60. *Bugar JM, Ghali WA, Lemaire J, Quan H. Utilization of an outpatient pre-operative assessment clinic in a tertiary care centre. *Clinical and Investigative Medicine*. 2002;25:11-8.
59. Montori VM, Bhandari M, Devereaux PJ, Manns BJ, Ghali WA, Guyatt GH. In the dark: the reporting of blinding status in randomized trials. *Journal of Clinical Epidemiology*. 2002;55:42-5.
58. *Devereaux PJ, *Manns BJ, Ghali WA, Quan H, Guyatt GH. The reporting of methodological factors in randomised controlled trails and the impact of the CONSORT checklist. *Controlled Clinical Trials*. 2002;23:380-8.

57. Ghali WA, Cornuz J, McAlister FA, Wasserfallen JB, Devereaux PJ, Naylor CD. Accelerated publication versus usual publication in 2 leading medical journals. *Canadian Medical Association Journal*. 2002;166:1137-43. (***) subject of 2 editorials)
56. MacKay E, Ghali WA, Quan H. Explaining length of stay differences in medical patients. *Annals of the Royal College of Physicians and Surgeons of Canada*. 2002;35:149-53.
55. Cornuz J, Ghali WA, Hayoz D, Stoianov R, Depairon M, Yersin B. Clinical prediction of deep venous thrombosis through two risk assessment methods in combination with rapid quantitative ELISA d-dimer testing. *American Journal of Medicine*. 2002;112:198-203.
54. *Faris PD, Ghali WA, Brant R, Norris CM, Knudtson ML for the APPROACH Investigators. A comparison of multiple imputation and data enhancement methods for dealing with missing data in observational health care outcome analyses. *Journal of Clinical Epidemiology*. 2002;55(2):184-91.
53. Devereaux PJ, Bhandari M, Montori VM, Manns BJ, Ghali WA, Guyatt GH. 'Double blind', you are the weakest link – good-bye! *ACP Journal Club*. 2002 Jan-Feb;136(1):A11.
52. *Quan H, Ghali WA, Verhoef MJ, Norris CM, Galbraith DP, Knudtson ML, for the APPROACH Investigators. Chelation therapy use: a survey of patients one year after coronary angiography. *American Journal of Medicine*. 2001;111:686-691. (***)subject of editorial)
51. Hull RD, Pineo GF, Stein PD, Mah AF, MacIsaac SM, Dahl OE, Brant R, Ghali WA, Butcher M, Berqvist D, Raskob GE. Extended out-of-hospital administration of low-molecular-weight heparins or placebo in the prophylaxis of acute deep venous thrombosis: a systematic review. *Annals of Internal Medicine*. 2001;135:858-69.
50. Ghali WA, Cornuz J, Perrier A. New methods for estimating pretest probability in the diagnosis of pulmonary embolism. *Current Opinion in Pulmonary Medicine*. 2001;7:349-53.
49. Feasby TE, Quan H, Ghali WA. Geographic variation in the rate of carotid endarterectomy in Canada. *Stroke*. 2001;32:2417-22.
48. Lewis S, Baird P, Evans RG, Ghali WA, Wright CJ, Gibson E, Baylis F. Dancing with the porcupine. *Canadian Medical Association Journal*. 2001;165:783-5.
47. Ghali WA, Graham MM. Evidence or faith? Coronary artery bypass surgery in the elderly. *Canadian Medical Association Journal*. 2001;165:775-6.
46. Hull RD, Pineo GF, Stein PD, Mah AF, MacIsaac SM, Dahl OE, Ghali WA, Butcher M, Brant R, Berqvist D, Raskob GE. Timing of initial administration of low-molecular-weight heparins and comparison with warfarin sodium for prophylaxis of acute deep vein thrombosis: a systematic review. *Archives of Internal Medicine*. 2001;161:1952-60.

45. Bungard TJ, Ghali WA, McAlister FA, Buchan AM, Cave AJ, Hamilton PG, Mitchell LB, Shuaib A, Teo KK, Tsuyuki RT. Physician perceptions of the benefits and risks of warfarin in non-valvular atrial fibrillation. *Canadian Medical Association Journal*. 2001;165:301-2.
44. Ghali WA, Quan H, Brant R, van Melle G, Norris CM, Faris PD, Galbraith PD, Knudtson ML, for the APPROACH Investigators. A comparison of two methods for calculating adjusted survival curves from proportional hazards models. *JAMA*. 2001;286:1494-7.
43. Ghali WA, Quan H, Brant R. Risk adjustment using administrative data: Impact of a diagnosis type indicator. *Journal of General Internal Medicine*. 2001;16:519-24.
42. Ghali WA, Quan H, Feasby TE. Helicobacter pylori and cerebrovascular disease (Research letter – original data). *Stroke*. 2001;32:1936-7.
41. Manns BJ, Mortis GP, Taub KJ, McLaughlin KS, Donaldson C, Ghali WA. The Southern Alberta Renal Program Database: A prototype for patient management and research initiatives. *Clinical and Investigative Medicine*. 2001;24:164-70.
40. Dzavik V, Ghali WA, Norris C, Mitchell B, Koshal A, Saunders D, Galbraith D, Hui W, Knudtson ML, for the APPROACH Investigators. Long-term survival in 11,661 patients with multivessel coronary artery disease in the era of stenting: A report from the Alberta Provincial Project for Outcome Assessment in Coronary Heart Disease. *American Heart Journal* 2001;142:119-26.
39. Simpson CS, Ghali WA, Sanfilippo AJ, Moritz S, Abdollah H. Clinical assessment of clonidine in the treatment of new-onset atrial fibrillation: A prospective, randomized clinical trial. *American Heart Journal* 2001;142:e3/1-5.
38. Graham MM, Faris PD, Ghali WA, Galbraith D, Norris CM, Badry JT, Mitchell LB, Curtis MJ, Knudtson ML, for the APPROACH Investigators. Validation of three myocardial jeopardy scores in a population-based cardiac catheterization cohort. *American Heart Journal* 2001;142:254-61.
37. *Devereaux PJ, Manns BJ, Ghali WA, Quan H, Lacchetti C, Montori VM, Bhandari M, Guyatt GH. Physician interpretations and textbook definitions of blinding terminology in randomized controlled trials. *JAMA* 2001;285:2000-3. (***)subject of editorial)
36. *Devereaux PJ, Manns BJ, Ghali WA, Quan H, Guyatt GH. Reviewing the reviewers: the quality of reporting in three secondary journals. *Canadian Medical Association Journal* 2001;164:1573-6. (***)subject of editorial)
35. *Hemmelgarn BR, Ghali WA, Quan H. A case study of hospital closure and centralization of coronary revascularization procedures. *Canadian Medical Association Journal*. 2001;164:1431-5.
34. *Hemmelgarn BR, Ghali WA, Quan H, Brant R, Norris CM, Taub KJ, Knudtson ML, for the APPROACH Investigators. Poor long-term survival after coronary angiography in patients with renal insufficiency. *American Journal of Kidney Diseases* 2001;37:64-72.

33. Cornuz J, Ghali WA, Di Carantonio D, Pecoud A, Paccaud F. Physician attitudes toward prevention: Importance of intervention-specific barriers and physician health habits. *Family Practice* 2000;17(6):535-40.
32. Ghali WA, Knudtson ML, for the APPROACH Investigators. Overview of APPROACH - the Alberta Provincial Program for Outcome Assessment in Coronary Heart Disease. *Canadian Journal of Cardiology* 2000;16:1225-30. (**subject of editorial)
31. Ghali WA, Cornuz J. You have new mail! *Annals of the Royal College of Physicians and Surgeons of Canada* 2000;33:320-1.
30. Ghali WA, Quan H, Norris CM, Dzavik V, Naylor CD, Mitchell LB, Brant R, Knudtson ML, for the APPROACH Investigators. Prognostic significance of diabetes as a predictor of survival after cardiac catheterization. *American Journal of Medicine* 2000;109:543-8.
29. Ghali WA, Rothwell DM, Quan H, Brant R, Tu JV. A Canadian comparison of data sources for coronary artery bypass surgery outcome 'report cards'. *American Heart Journal* 2000;140:402-8.
28. Ghali WA, Cornuz J. Early uptake of research findings after 'pre-release' or 'fast track' publication: the case of spironolactone for congestive heart failure (Research Letter – original data). *Lancet* 2000;355:579-80.
27. *Devereaux PJ, Ghali WA, Gibson N, Skjodt NM, Ford D, Quan H, Guyatt GH. Physicians' recommendations for patients undergoing non-cardiac surgery. *Clinical and Investigative Medicine* 2000;23:116-23.
26. *Norris CM, Ghali WA, Knudtson ML, Naylor CD, Saunders LD, for the APPROACH Investigators. Dealing with missing data in observational health care outcome analyses. *Journal of Clinical Epidemiology*. 2000;53:377-83.
25. Bungard TJ, Ghali WA, Teo KK, McAlister FA, Tsuyuki RT. Why do patients with atrial fibrillation not receive warfarin? *Archives of Internal Medicine*. 2000;160:41-6.
24. Saitz R, Ghali WA, Moskowitz MA. The impact of leaving against medical advice on hospital resource utilization. *Journal of General Internal Medicine*. 2000;15:103-7.
23. Ghali WA, Saitz R, Eskew AH, Gupta M, Quan H, Hershman WY. Successful teaching in evidence-based medicine. *Medical Education*. 2000;34:18-22.
22. Ghali WA, Hall RE, Ash AS, Moskowitz MA. Identifying pre- and post-operative predictors of cost and length of stay for coronary artery bypass surgery. *American Journal of Medical Quality*. 1999;14:248-54.
21. Saitz R, Ghali WA, Moskowitz MA. Characteristics of patients discharged from hospitals against medical advice. *American Journal of Medicine*. 1999;107:507-9
20. *Ryan CA, Ghali WA, Boss RD, Moskowitz MA, Freund KM. Care during menopause: comparison of a women's health practice and traditional care. *Journal of Women's Health* 1999;8:1295-1302.

19. Ghali WA, Brant R, Quan H. CABG in Canada (Research Letter – original data). *Canadian Medical Association Journal*. 1999;161:941.
18. Ghali WA, Saitz R, Sargious PM, Hershman WY. Evidence-based medicine and the real world: Understanding the controversy. *Journal of Evaluation in Clinical Practice*. 1999;5:133-8.
17. *Brull R, Ghali WA, Quan H. Missed opportunities for prevention in General Internal Medicine. *Canadian Medical Association Journal*. 1999;160:1137-40. (***)Subject of editorial)
16. *Devereaux PJ, Ghali WA, Gibson N, Skjodt NM, Ford D, Quan H, Guyatt GH. Physician estimates of perioperative cardiac risk in patients undergoing noncardiac surgery. *Archives of Internal Medicine*. 1999;159:713-17.
15. Ghali WA, Ash AS, Hall RE, Moskowitz MA. Variation in hospital rates of intra-aortic balloon pump use in coronary artery bypass surgery. *Annals of Thoracic Surgery*. 1999;67:441-5.
14. Ghali WA, Quan H, Brant R. Coronary artery bypass graft surgery in Canada: Hospital mortality rates, 1992-1995. *Canadian Medical Association Journal*. 1998;159:926-30. (***)Subject of editorial)
13. Lemaire JB, Ghali WA. How to estimate perioperative cardiac risk. *Perspectives in Cardiology*. 1998;Aug:51-59.
12. Ghali WA, Lesky LG, Hershman WY. The missing curriculum. *Academic Medicine*. 1998;73:734-6.
11. Ghali WA, Quan H, Brant R. Coronary artery bypass graft surgery in Canada: National and provincial mortality trends, 1992-1995. *Canadian Medical Association Journal* 1998;159:25-31. (***)Subject of editorial)
10. Ghali WA, Saitz R, Eskew AH, Lemaire JB, Gupta M, Hershman WY. Evidence-based medicine: Behaviours, skills, and attitudes of medical students. *Annals of the Royal College of Physicians and Surgeons of Canada* 1998;31:177-182.
9. Ghali WA, Hall RE, Ash AS, Rosen AK, Moskowitz MA. Evaluation of complication rates after coronary artery bypass surgery using administrative data. *Methods of Information in Medicine* 1998;37:192-200.
8. Hall RE, Ash AS, Ghali WA, Moskowitz MA. Hospital cost of complications in coronary artery bypass surgery. *American Journal of Cardiology* 1997;79:1680-1682
7. Ghali WA, Freund KM, Boss RD, Ryan CA, Moskowitz MA. Menopausal hormone therapy: Physician awareness of patient attitudes. *American Journal of Medicine* 1997;103:3-10.
6. Saitz R, Ghali WA, Moskowitz MA. The impact of alcohol-related diagnoses on pneumonia outcomes. *Archives of Internal Medicine* 1997;157:1446-1452.

5. Ghali WA, Ash AS, Hall RE, Moskowitz MA. Statewide quality improvement initiatives and mortality after cardiac surgery. *JAMA* 1997;277:379-382. (***)Subject of editorial)
4. Ghali WA, Hall RE, Rosen AK, Ash AS, Moskowitz MA. Searching for an improved clinical comorbidity index for use with ICD-9-CM administrative data. *Journal of Clinical Epidemiology* 1996;49:273-278.
3. Ghali WA, Palepu A, Paterson WG. Evaluation of red blood cell transfusion practices with the use of preset criteria. *Canadian Medical Association Journal* May 1994;150(9):1449-54.
2. Swieter M, Ghali WA, Rimmer C, Befus D. Interferon alpha/beta inhibits histamine release from rat mast cells. *Immunology*. April 1989;66-4:606-610.
1. Swieter M, Rimmer C, Webb B, Ghali WA, Pearce F, Befus D. Modulation of histamine secretion from rat and human mast cell subpopulations. *Advances in Experimental Medicine and Biology* 1988;237:699-704.

ii) Books Published

1. Tu JV, Ghali WA, Pilote L, Brien S (Editors). *Canadian Cardiovascular Atlas*. Pulsus Canada. 2006.

iii) Book Chapters

7. *Khan NA, Ghali WA, Cagliero E. Perioperative management of diabetes mellitus. In: Up-to-date. New update December 2010.
6. Quan H, Drösler S, Sundararajan V, Wen E, Burnand B, Couris CM, Halfon P, Januel JM, Kelley E, Klazinga N, Luthi JC, Moskal L, Pradat E, Romano PS, Shephard J, So L, Sundaresan L, Tournay-Lewis L, Trombert-Paviot B, Webster G, Ghali WA. Adaptation of AHRQ patient safety indicators for use in ICD-10 administrative data by an international consortium. In: *Advances in Patient Safety (Vol 1: Assessment)*. Rockville (MD): Agency for Healthcare Research and Quality; 2008.
5. Ghali WA, Khan NA. Perioperative management of congestive heart failure. In: *Perioperative Medicine – Just the Facts* (Cohn S, Smetana G, Weed H, editors). McGraw Hill. 2006.
4. *Khan NA, Ghali WA. Perioperative management of diabetes. In: *Perioperative Medicine – Just the Facts* (Cohn S, Smetana G, Weed H, editors). McGraw Hill. 2006.
3. *Khan NA, Ghali WA. Perioperative management of diabetes mellitus. In: *PIER Online*. American College of Physicians. 2003.
2. *Khan NA, Ghali WA. Perioperative management of diabetes mellitus. In: *Up-to-date*. Version 9, January 2002
1. Ghali WA. Use of Blood Products. In: *Saunders Manual of Medical Practice*. W.B. Saunders Publishing Company, Philadelphia, 1996.

iv) Abstracts – published

168. *Leung AA, Southern DA, Galbraith PD, Knudtson ML, Ghali WA. Time-dependency of outcome relationships for drug-eluting stents versus bare-metal stents. *Journal of General Internal Medicine*. 2011;26(Suppl 1):ID8787.
167. *Wilson BJ, Ghali WA. A case of histamine fish poisoning. *Journal of General Internal Medicine*. 2011;26(Suppl 1):ID10042.
166. *Butalia S, Leung AA, Ghali WA, Rabi DM. Aspirin effect on the incidence of major adverse cardiovascular events in patients with diabetes mellitus: a systematic review and meta-analysis. *Canadian Journal of Cardiology* 2010;Oct;Volume 26:Suppl SD:167.
165. Humphries KH, Karp I, Ghali WA, Izadnegahdar M, Pilote L, on behalf of the GENESIS-PRAXY Investigators. Are there sex differences in the treatment of young adults admitted to hospital with ACS? *Canadian Journal of Cardiology* 2010;Oct;Volume 26:Suppl SD:034.
164. *Martin B, Hauer T, Lewin AM, Galbraith D, Ghali WA, Knudtson ML, Arena R, Stone JA, Aggarwal. The impact of cardiac rehabilitation on outcomes in patients with coronary artery disease: focus on women and the elderly. *Canadian Journal of Cardiology* 2010;Oct;Volume 26:Suppl SD:163.
163. *Butalia S, Shaheen AA, Myers RP, Ghali WA, Rabi DM. Sex differences in diagnostic and therapeutic procedures for acute myocardial infarction in hospitalized patients with diabetes mellitus. *Canadian Journal of Cardiology* 2010;Oct;Volume 26:Suppl SD:178.
162. Lemaire J, Roberts D, Wallace J, Dinsmore K, Ghali WA, Lewin A. Physician nutrition and cognition during work hours: effect of a nutrition-based intervention. *Journal of General Internal Medicine* 2010;25(Suppl 3):S351.
161. *Auer R, Ghali WA, Rodondi N, de Bosset-Sulzer V, Cornuz J. Is atherosclerosis screening by non-invasive imaging effective in cardiovascular prevention? A systematic review. *Journal of General Internal Medicine* 2010;25(Suppl 3):S317.
160. *Patel A, Quan H, Faris P, Ghali WA. Evaluation of a regional myocardial infarction care model: effects on acute patient transfers and mortality. *Journal of General Internal Medicine* 2010;25(Suppl 3):S272.
159. *Althaus F, Daeppen JB, Paroz S, Hugli O, Peytremann-Bridevaux I, Ghali WA, Bodenmann P. Effectiveness of interventions targeting frequent users of emergency departments: a systematic review. *Journal of General Internal Medicine* 2010;25(Suppl 3):S266.
158. *Fabreau G, *Minty E, Yang J, Parsons G, Quan H, Ghali WA. Creation of a global health metadata catalogue to inform international studies of disease burden and health system performance. *Journal of General Internal Medicine* 2010;25(Suppl 3):S250.

157. *Boone RH, Parsons GA, Southern DA, Knudtson ML, Ghali WA. Description of CABG surgery wait time intervals: Implications for system tracking of wait times and access. *Canadian Journal of Cardiology*. 2009;25 Suppl SB:64.
156. Rabi DM, Lewin AM, Dasgupta K, Pilote L, Simpson SH, Ghali WA, Johnson JA. Cardiovascular medication use in recent onset type 2 diabetes: effects of age, sex, and cardiovascular disease status. *Canadian Journal of Cardiology*. 2009;25 Suppl SB:68.
155. Graham MM, Galbraith D, O'Neill D, Dando C, Rolfson D, Ghali WA. The Edmonton Frail Scale: A user-friendly assessment tool in elderly patients with acute coronary syndromes. *Canadian Journal of Cardiology*. 2009;25 Suppl SB:249.
154. *Brien SE, *Ronksley PE, Turner BJ, Mukumal KJ, Ghali WA. Effect of alcohol consumption on biological markers associated with risk of cardiovascular disease: a systematic review. *Journal of General Internal Medicine* 2009;24(Suppl 1):79
153. *Ronksley PE, *Brien SE, Turner BJ, Mukumal KJ, Ghali WA. Association of alcohol consumption with cardiovascular and cerebrovascular disease: a systematic review and meta-analysis. *Journal of General Internal Medicine* 2009;24(Suppl 1):42
152. *Patel AB, Tu JV, Waters NM, Ko D, Eisenberg M, Huynh T, Rinfret S, Knudtson ML, Ghali WA. Access to primary percutaneous coronary intervention for ST segment elevation myocardial infarction: a geographic analysis. *Journal of General Internal Medicine* 2009;24(Suppl 1):26
151. Hassan A, Newman A, Ko D, Rinfret S, Hirsch GM, Ghali WA, Tu JV. Increasing PCI-to-CABG ratios across Canada. *Canadian Journal of Cardiology* 2008;24(Supplement SE):297.
150. Rabi DM, Lewin AM, Dasgupta K, Simpson SH, Pilote L, Ghali WA, Johnson JA. Cardioprotective medication utilization stratified by sex and cardiovascular disease status among those with recent onset diabetes. *Canadian Journal of Cardiology* 2008;24(Supplement SE):492.
149. Parker KL, Youseffi M, Galbraith DP, Ghali WA, Knudtson ML, on behalf of the APPROACH Investigators. Readmission rates and death as a combined outcome measure: a different approach in evaluating the acute coronary syndrome population. *Canadian Journal of Cardiology* 2008;24(Supplement SE):807.
148. Kieser T, Ghali WA, Knudtson ML. The arterial bypass: a graft for all reasons in 500 consecutive CABG. *Canadian Journal of Cardiology* 2008;24(Supplement SE):633.
147. *Brien SE, Lorenzetti DL, Lewis S, Kennedy J, Ghali WA. Overview of a formal scoping review on health system report cards. *Journal of General Internal Medicine* 2008;23(Suppl 2):355.
146. *Hubacek J, Brownell B, Galbraith PD, Ghali WA, Knudtson ML, Love ML. Does revascularization strategy influence survival in patients with acute coronary syndromes and multi-vessel coronary artery disease. *Canadian Journal of Cardiology* 2007;23 (Supplement SC):176.

145. *Deyell MW, Zhang, J, Ross DB, Ghali WA, Hemmelgarn B. Timing of coronary artery bypass surgery following non-ST elevation acute coronary syndrome and short-term mortality. *Canadian Journal of Cardiology* 2007;23 (Supplement SC):442.
144. *Auer R, Gaume J, Rodondi N, Cornuz J, Ghali WA. In-hospital, patient-level, multidimensional interventions of cardiovascular secondary prevention in coronary heart disease: a systematic review and meta-analysis. *Journal of General Internal Medicine* 2007;22(Suppl 1):129.
143. *Guessous I, Periard D, Lorenzetti D, Cornuz J, Ghali WA. The efficacy of pharmacotherapy for decreasing the expansion rate of abdominal aortic aneurysms: a systematic review and meta-analysis. *Journal of General Internal Medicine* 2007;22(Suppl 1):111.
142. *Willi C, Bodenmann P, Ghali WA, Cornuz J. Active smoking and incidence of type 2 diabetes: a systematic review and meta-analysis. *Journal of General Internal Medicine* 2007;22(Suppl 1):99.
141. *Goldberg A, Southern DA, Galbraith PD, Anderson TJ, Traboulsi M, Knudtson ML, Ghali WA. Left dominant coronary circulation and prognosis after acute coronary syndromes. *Canadian Journal of Cardiology* 2006;22(Suppl D):572.
140. Galbraith PD, Shrive FM, Ghali WA, Hui W, Graham MM, Traboulsi M, Knudtson ML, for the APPROACH Investigators. Evidence of late events after PCI with drug-eluting stents: Is there cause for concern? *Canadian Journal of Cardiology* 2006;22(Suppl D):269.
139. *Rabi DM, Edwards AL, Svenson LW, Knudtson ML, Ghali WA. The association between income and burden of coronary atherosclerosis among patients with diabetes. *Canadian Journal of Cardiology* 2006;22(Suppl D):531.
138. Taylor CM, Pu C, Humphries KH, Ghali WA, Gao M, Carere R. A clinical prediction tool may help avoid unnecessary coronary angiography. *Canadian Journal of Cardiology* 2006;22(Suppl D):702.
137. King KM, Southern DA, Cornuz J, Knudtson ML, Ghali WA. Elevated body mass index and access to coronary revascularization following cardiac catheterization. *Canadian Journal of Cardiology* 2006;22(Suppl D):360.
136. King KM, Norris CM, Knudtson ML, Ghali WA. Risk-taking attitudes and their association with process and outcomes of cardiac care. *Canadian Journal of Cardiology* 2006;22(Suppl D):293.
135. *Jordan MR, *Conley J, Southern DA, Ghali WA. Consultation patterns and clinical correlates of consultation in a tertiary care setting. *Journal of General Internal Medicine* 2006;21(Suppl 4):154599.
134. *Rabi D, *Shrive FM, McAlister FA, Majumdar SR, Sauve R, Johnson J, Ghali WA. Effect of peri-operative glucose-insulin and potassium infusion on atrial fibrillation and mortality after coronary artery bypass grafting: a systematic review and meta-analysis. *Journal of General Internal Medicine* 2006;21(Suppl 4):154330.

133. Southern DA, Lewis S, Maxwell C, Dunn JR, Noseworthy TW, Gorbett G, Thomas K, Ghali WA. Sampling 'hard-to-reach' populations in health research: yield from a study targeting Americans living in Canada. *Journal of General Internal Medicine* 2006;21(Suppl 4):153771.
132. Lewis S, Southern DA, Maxwell CJ, Dunn JR, Noseworthy TW, Ghali WA. Americans living in Canada and their comparative views of the American and Canadian health care systems. *Journal of General Internal Medicine* 2006;21(Suppl 4):153755.
131. Sundararajan V, Quan H, Halfon P, Fushimi K, Ghali WA. Cross-national comparison of three versions of the ICD-10 Charlson index. *Journal of General Internal Medicine* 2006;21(Suppl 4):152835.
130. *Shrive FM, Ghali WA, Johnson J, Manns B. Comparison of UK and US scoring algorithms for the EuroQol-5D: Effect on the findings of an economic evaluation. *Journal of General Internal Medicine* 2006;21(Suppl 4):150517
129. Southern DA, Edwards AE, Norton P, Svenson L, Larson E, Sargious PM, Lau DC, Dean S, Roberts B, Ghali WA. Validation of claim-based disease surveillance methods for identifying individuals with diabetes at a population level. *Journal of General Internal Medicine* 2006;21(Suppl 4):153813.
128. *Bagshaw SM, Galbraith PD, Mitchell LB, Exner DV, Ghali WA. Prophylactic amiodarone for prevention of atrial fibrillation following cardiac surgery: A systematic review and meta-analysis. *Can J Cardiol* 2005;21(Suppl C):173.
127. Knudtson M, Shrive F, Graham M, Goodhart D, Hui W, Ghali WA, for the APPROACH Investigators. Treatment-specific mortality in the stent era of patients with significant left main disease. *Can J Cardiol* 2005;21(Suppl C):335.
126. *Woo KS, Graham MM, Southern DA, Ghali WA. Feasibility of determining myocardial infarction type from retrospective medical record review. *Can J Cardiol* 2005;21(Suppl C):480.
125. McAlister FA, Man-Son-Hing M, Straus S, Ghali WA, Anderson D, Majumdar S, Gibson P, Cox JL, Fradette M. The impact of patient decision aids on care in patients with atrial fibrillation: A cluster randomized trial. *Can J Cardiol* 2005;21(Suppl C):740.
124. *Shrive FM, Ghali WA, Lewis S, Donaldson C, Knudtson ML, Manns BJ. Moving beyond the cost per QALY: Modeling the budgetary impact of drug-eluting stents on health system payers. *Journal of General Internal Medicine*. 2005;20(Suppl 1):80.
123. Southern D, Norris CM, Quan H, Shrive FM, Galbraith PD, Humphries K, Gao M, Knudtson ML, Ghali WA. An administrative data merging solution for dealing with missing data in a clinical registry: Adaptation to ICD-10. *Journal of General Internal Medicine*. 2005;20(Suppl 1):83.
122. *Beck CA, Southern DA, Saitz R, Knudtson ML, Ghali WA. Alcohol and drug use disorders among patients with myocardial infarction: Associations with access to care and mortality. *Journal of General Internal Medicine*. 2005;20(Suppl 1):108.

121. *Galbraith PD, Ghali WA, Hawkins ML, Knudtson ML. Expanding from a procedure-based to a disease-based registry: Insights from the new Heart Alert Registry in Alberta. Proceedings of the 6th AHA Forum on Quality of Care. 2005:p128.
120. *Galbraith PD, Larsen ET, Maxwell CJ, Schopflocher DP, Svenson LW, Ghali WA. 'Troponinits' without an accompanying myocardial infarction code. Proceedings of the 6th AHA Forum on Quality of Care. 2005:p148.
119. Maxwell CJ, Jelinski SE, Ghali WA, Parsons GA, King K, Piket M, Southern DA. Living alone and health outcomes following acute myocardial infarction. Proceedings of the 6th AHA Forum on Quality of Care. 2005:p171.
118. King KM, Ghali WA, Norris CM, Galbraith PD, Knudtson ML. Attitudes toward risk taking among patients with coronary artery disease. Proceedings of the 6th AHA Forum on Quality of Care. 2005:p207.
117. Graham MM, Norris CM, Galbraith PD, Knudtson ML, Ghali WA. Quality of life after coronary revascularization in the elderly. Proceedings of the 6th AHA Forum on Quality of Care. 2005:p208.
116. Southern DA, McLaren L, Hawe P, Knudtson ML, Ghali WA. Individual-level and neighbourhood-level income measures: agreement and association with outcomes in a cardiac disease cohort. *Can J Cardiol* 2004;20:121D.
115. *Shrive FM, Manns BJ, Galbraith PD, Knudtson ML, Ghali WA. An economic evaluation of sirolimus-eluting stents. *Can J Cardiol* 2004;20:129D.
114. Baine KR, Norris CM, Ghali WA, Graham MM, Knudtson ML, Welsh RC. Clinical predictors of in-stent restenosis in a large clinical database. *Can J Cardiol* 2004;20:133D.
113. Gyenes GT, Shrive FM, Graham MM, Ghali WA, Knudtson ML. The prognostic importance of non-significant left main coronary artery disease in patients undergoing percutaneous coronary intervention. *Can J Cardiol* 2004;20:135D.
112. *Galbraith PD, Parsons G, Knudtson ML, Maxwell CJ, Svenson LW, Schopflocher DP, Larsen ET, Ghali WA. Troponin data as a tool for disease surveillance for myocardial infarction. *Can J Cardiol* 2004;20:169D.
111. Bagshaw SM, Ghali WA. Acetylcysteine for prevention of contrast-induced nephropathy after intravascular angiography: a systematic review and meta-analysis. *Can J Cardiol* 2004;20:187D.
110. *Bagshaw SM, Ghali WA. Theophylline for the prevention of contrast-induced nephropathy: a systematic review and meta-analysis. *Can J Cardiol* 2004;20:189D.
109. Hemmelgarn BR, Southern D, Manns BJ, McLaughlin K, Gao S, Mortis G, Larsen E, Ghali WA, Culleton BF. Progression of chronic kidney disease in a community-based elderly population. *J Am Soc Nephrol*. (ASN abstract supplement, 2004).

108. Hemmelgarn BR, Southern D, Manns BJ, McLaughlin K, Gao S, Mortis G, Larsen E, Ghali WA, Culleton BF. Survival among an elderly community based population with chronic kidney disease. *J Am Soc Nephrol.* (ASN abstract supplement, 2004).
107. Gregor L, Hemmelgarn BR, Southern D, Gao S, Mortis G, Larsen E, Ghali WA, Culleton BF. Improved survival associated with specialized chronic kidney disease care. *J Am Soc Nephrol* (ASN abstract supplement, 2004).
106. Culleton BF, Hemmelgarn BR, Southern D, Mortis G, Ghali WA. Anemia is a mortality multiplier in elderly patients with diabetes mellitus and chronic kidney disease. *J Am Soc Nephrol* (ASN abstract supplement, 2004).
105. *Shrive FM, Knudtson ML, Manns BJ, Ghali WA. An economic evaluation of drug-eluting stents. *Circulation* 2004;109:e6.
104. *Baskett R, Buth K, Ghali WA, Norris C, Maas T, Maitland A, Ross D, Forgie R, Sullivan J. Outcomes in octogenarians undergoing CABG in Canada: A multicentre study. *Circulation* 2004;109:e9.
103. Quan H, Ghali WA, Galbraith PD, Norris CM, Southern DA, Verhoef MJ, Knudtson ML. Reasons for chelation therapy use: a cross-sectional survey in patients undergoing coronary angiography. *Circulation* 2004;109:e25.
102. *Galbraith PD, Parsons G, Knudtson ML, Ghali WA. Acute myocardial infarction coding in the troponin era. *Circulation* 2004;109:e26.
101. Southern DA, Knudtson ML, Ghali WA. Myocardial infarction on snow days: Incidence, procedure use, and outcomes. *Circulation* 2004;109:e27.
100. Ghali WA, Wasil B, Brant R, Exner DV, Cornuz J. Atrial flutter and the risk of thromboembolism: a systematic review and meta-analysis. *Journal of General Internal Medicine* 2004;19(Suppl 1):124.
99. *Rodondi N, Humair J, Ghali WA, Ruffieux C, Stoianov R, Seematter Bagnoud L, Stalder H, Pecoud A, Cornuz J. Counseling overweight and obese patients in primary care: description and outcome at one year of follow-up. *Journal of General Internal Medicine* 2004;19(Suppl 1):134.
98. *Southern D, McLaren L, Hawe P, Knudtson ML, Ghali WA, for the APPROACH Investigators. Individual-level and neighbourhood level income measures. Agreement and association with outcomes in a cardiac disease cohort. *Journal of General Internal Medicine* 2004;19(Suppl 1):168.
97. *Shrive FM, Stuart H, Quan H, Ghali WA. Pre-operative depression and surgical outcomes. *Journal of General Internal Medicine* 2004;19(Suppl 1):196.
96. *Baskett RF, Buth K, Ghali WA, Norris CM, Appoo J, Nadendran J, Maitland A, Ross D, Koshal A, Forgi R, Sullivan J, Hirsch G. Outcomes in octogenarians undergoing CABG in Canada: A multi-centre study. *Canadian Journal of Cardiology* 2003;19(Suppl A):166A.

95. Graham MM, Norris CM, Ghali WA, Knudtson ML, for the APPROACH Investigators. Quality of life after coronary revascularization in the elderly. *Canadian Journal of Cardiology* 2003;19(Suppl A):178A.
94. *Hassan A, Newman AM, Gong Y, Kennedy C, Humphries KH, Ghali WA, Tu JV, Hirsch GM. Utilization rates of valve surgery across Canada. *Canadian Journal of Cardiology* 2003;19(Suppl A):202A.
93. *Baskett RF, O'Connor GT, Hirsch G, Ghali WA, Sabadosa K, Morton JR, Ross CS, Hernandez F, Nugent W, Lahey J, Maitland A, Sisto D. The preoperative intra-aortic balloon pump in coronary bypass surgery. *Canadian Journal of Cardiology* 2003;19(Suppl A):226A.
92. *Appoo J, Norris CM, Merali S, Graham MM, Koshal A, Ghali WA, for the APPROACH Investigators. Outcomes of isolated coronary artery bypass grafting in patients with severe left ventricular dysfunction. *Circulation* 2003;AHA meeting abstract supplement.
91. Rathore SS, Norris CM, Galbraith PD, Ghali WA, Knudtson ML, for the APPROACH Investigators. Correlates of coronary revascularization refusal in a population-based cardiac catheterization cohort. *Circulation* 2003;AHA meeting abstract supplement.
90. *Hassan A, Quan H, Ghali WA, Kennedy C, Tu JV, Hirsch GM. Outcomes after aortic and mitral valve replacement surgery in Canada. *Canadian Journal of Cardiology* 2003;19(Suppl A):239A.
89. *McLellan CS, Ghali WA, Labinaz M, Davis RB, Galbraith PD, Southern DA, Shrive FM, Knudtson ML, for the APPROACH Investigators. Association between completeness of percutaneous coronary revascularization and post-procedure outcomes. *Canadian Journal of Cardiology* 2003;19(Suppl A):247A.
88. Hemmelgarn BR, Ghali WA, Southern D, Knudtson ML. The survival benefit of coronary artery bypass grafting in patients with kidney disease. *J Am Soc Nephrol* 2003;14:676A.
87. Hemmelgarn BR, Ghali WA, Southern D, Humphries KH, Knudtson ML. Association between level of kidney function and survival after cardiac catheterization. *J Am Soc Nephrol* 2003;14:676A.
86. Hemmelgarn BR, Culleton BF, McLaughlin KJ, Southern D, Mortis GP, Ghali WA. The prevalence of kidney dysfunction in a community-based elderly population. *J Am Soc Nephrol* 2003;14:193A.
85. Culleton BF, Hemmelgarn BR, Southern D, McLaughlin K, Mortis G, Larsen E, Ghali WA. Prevalence of anemia by glomerular filtration rate in a community dwelling elderly population. *J Am Soc Nephrol* 2003;14:456A.
84. McLaughlin K, Southern D, Hemmelgarn BR, Norton P, Sargious P, Edwards A, Larsen E, Ghali WA. Screening for kidney disease in individuals with diabetes in Southern Alberta. *J Am Soc Nephrol* 2003;14:134A.

83. McLaughlin K, Southern D, Hemmelgarn BR, Norton P, Sargious P, Edwards A, Larsen E, Ghali WA. Prevalence of kidney disease in individuals with diabetes in Southern Alberta. *J Am Soc Nephrol* 2003;14:134A.
82. Maxwell CJ, Jelinski SE, Ghali WA, Parsons GA. A comparison of outcomes following acute myocardial infarction among women and men in Calgary, Alberta. *Canadian Journal of Clinical Pharmacology*. 2003;(CAPT abstract supplement).
81. *Norris CM, Ghali WA, Jensen L, Galbraith PD, Knudtson ML, for the APPROACH Investigators. Health-related quality of life differences between women and men treated for coronary artery disease in Alberta, Canada. *European Journal of Cardiovascular Nursing*. 2003;2:78.
80. *Shrive FM, Stuart H, Quan H, Faris PD, Ghali WA. Dealing with missing data in a multi-question depression scale: a comparison of imputation methods. *Journal of General Internal Medicine*. 2003;18(Suppl 1):216.
79. *Southern DA, Ghali WA. Comparison of the Elixhauser and Charlson/Deyo methods of comorbidity measurement in administrative data. *Journal of General Internal Medicine*. 2003;18(Suppl 1):217.
78. Quan H, Ghali WA, Dean S, Norris CM, Faris PD, Galbraith PD, Graham MM, Knudtson ML, for the APPROACH Investigators. Validity of using surnames to define Chinese ethnicity. *Journal of General Internal medicine*. 2003;18(Suppl 1):186.
77. Quan H, Ghali WA, Dean S, Norris CM, Faris PD, Galbraith PD, Graham MM, Knudtson ML, for the APPROACH Investigators. Validity of using names to define South Asian ethnicity. *Journal of General Internal Medicine*. 2003;18(Suppl 1):186.
76. Quan H, Parsons GA, Ghali WA. Validity of coding procedures in ICD-9-CM administrative data. *Journal of General Internal Medicine*. 2003;18(Suppl 1):294.
75. *Hubacek J, Ghali WA, Galbraith PD, Faris PD, Knudtson ML, for the APPROACH Investigators. Validation of a simple bedside outcome prediction model in patients with acute coronary syndromes undergoing PCI. *Canadian Journal of Cardiology* 2002;18(Suppl B):132B.
74. *Seidel JE, Ghali WA, Faris PD, Bow JD, Waters NM, Graham MM, Mitchell LB, Galbraith PD, Knudtson ML, for the APPROACH Investigators. Distance and access to cardiac revascularization. *Canadian Journal of Cardiology* 2002;18(Suppl B):184B.
73. *Norris C, Saunders LD, Ghali WA, Brant R, Galbraith PD, Graham M, Faris PD, Dzavik V, Knudtson ML, for the APPROACH Investigators. Health related quality of life outcomes of patients with coronary artery disease treated with surgery, percutaneous intervention, or medical management. *Canadian Journal of Cardiology* 2002;18(Suppl B):184B.

72. *Galbraith PD, Ghali WA, Norris CM, Faris PD, Knudtson ML, for the APPROACH Investigators. Six year trends in comorbidities and mortality of patients presenting for catheterization: Observations from APPROACH. *Canadian Journal of Cardiology* 2002;18(Suppl B):212B.
71. *Southern DA, Faris PD, Brant R, Knudtson ML, Ghali WA. Preventing 'drift' of survival and time-to-event curves: a comparison of methodological approaches. 2002;18(Suppl B):235B.
70. *Coffin CS, Thomas C, Loewen A, Cowtan T, Ghali WA, Campbell NC. Validity of ICD-9 code administrative data in determining eligibility for pneumococcal vaccination. *Clinical and Investigative Medicine* 2002;25:195.
69. *McArthur H, Chou S, Johnston C, Ghali WA, Kathol B, Morrison S, Southern DA, Forand L, Lemaire JB. The impact of a communication tool on a medical teaching unit. *Clinical and Investigative Medicine* 2002;25:207.
68. *Norris CM, Ghali WA, Daub W, Knudtson M, Galbraith PD. Utilization and outcomes of cardiac rehabilitation following cardiac catheterization in a large Canadian city. *Circulation* 2002;106(16):P124.
67. Humphries KH, Gao M, Izadnegahdar M, Lee E, Ghali WA, Thompson CR. Outcome post coronary angiography – it depends on the point of view. *Circulation* 2002;106(16):P184.
66. Humphries KH, Gao M, Carere RG, Ghali WA. Cross-border utilization of cardiac services. *Circulation* 2002;106(16):P183.
65. *Galbraith PD, Ghali WA, Faris P, Norris C, Knudtson ML. Trends in survival and repeat revascularization post-PCI: Effectiveness of stents and IIb/IIIa inhibitors. *Circulation* 2002;106(16):P215.
64. *Aujesky D, Cornuz J, Bosson JL, Bounameaux H, Emmerich J, Hull RD, MacKay E, Perrier A, Quan H, Tsuyuki RT, Ghali WA. Uptake of low molecular weight heparin use and outpatient treatment for deep vein thrombosis: an international comparative study. *Journal of General Internal Medicine* 2002;17:120-1.
63. Maxwell CJ, Jelinski SE, Ghali WA, Parsons GA. Management of acute myocardial infarction among women and men in Calgary, Alberta. *Canadian Journal of Clinical Pharmacology* 2002;9:22.
62. *Kennedy J, Quan H, Ghali WA, Feasby TE. Appropriateness studies in carotid endarterectomy must take account of the imaging modality used. *Annals of Neurology* 2002;52:S21-27.
61. Feasby TE, Quan H, Ghali WA. Hospital and surgeon determinants of carotid endarterectomy outcomes. Annual Meeting of the American Academy of Neurology. On-line publication: <http://www.abstracts-on-line.com/abstracts/aan/aol.asp>.

60. *Khan N, Tahir T, McAlister F, Ferland A, Campbell N, Ghali WA. Development of a perioperative medicine research agenda. *Clinical and Investigative Medicine*. 2001;24:277.
59. *Fernandes DD, Edwards AL, Larsen ET, Norton P, Sargious PM, Quan H, Ghali WA. Description of patient profiles at a centralized urban diabetes education centre. *Clinical and Investigative Medicine* 2001;24:279.
58. *Khan N, Austen D, Bugar J, Lemaire J, Quan H, Ghali WA. Impact of post-operative complications on hospital costs and length of stay in a tertiary care centre. *Clinical and Investigative Medicine*. 2001;24:280.
57. *Khan NA, Taher T, Devereaux PJ, Bisher BW, Ghali WA, McAlister FA, for the Canadian Perioperative Research Group. *Clinical and Investigative Medicine*. 2001;24:281.
56. Kalla S, Norris CM, Ghali WA, Faris PD, Galbraith PD, Knudtson ML, for the APPROACH Investigators. Outcomes of revascularization strategies for two vessel coronary artery disease involving proximal left anterior descending artery in an era of improved pharmacotherapy and stents. *Canadian Journal of Cardiology* 2001;17(Suppl C):164C.
55. Graham MM, Ghali WA, Faris PD, Galbraith PD, Norris CM, Knudtson ML, on behalf of the APPROACH Investigators. Sex differences in the prognostic importance of diabetes in ischemic heart disease. *Canadian Journal of Cardiology* 2001;17(Suppl C):167C.
54. *Zentner A, for the APPROACH Investigators. In search of the optimal catheterization rate for the greatest yield of high risk patients in Alberta. *Canadian Journal of Cardiology* 2001;17(Suppl C):205C.
53. *Quan H, Parsons G, Ghali WA. Assessing accuracy of diagnosis type indicators for flagging complications in Canadian administrative data. *Journal of General Internal Medicine* 2001;16(Suppl 1):214.
52. Faris PD, Ghali WA, Brant RF. Bias in estimates of confidence intervals for health outcome report cards. *Journal of General Internal Medicine* 2001;16(Suppl 1):193.
51. Cornuz J, Faris PD, Ghali WA, Knudtson ML, for the APPROACH Investigators. Smoking status and the likelihood of undergoing revascularization after cardiac catheterization. *Journal of General Internal Medicine* 2001;16(Suppl 1):191.
50. Ghali WA, Faris PD, Galbraith PD, Norris CM, Knudtson ML, for the APPROACH Investigators. Aboriginal ethnicity and access to cardiac procedures. *Journal of General Internal Medicine* 2001;16(Suppl 1):134.
49. Ghali WA, Faris PD, Galbraith PD, Norris CM, Curtis MJ, Saunders LD, Dzavik V, Mitchell LB, Knudtson ML, for the APPROACH Investigators. The importance of detailed clinical data for evaluating sex differences in access to cardiac revascularization. *Journal of General Internal Medicine* 2001;16(Suppl 1):134.

48. Faris PD, Ghali WA, Brant RF, Norris CM, Galbraith PD, Knudtson ML, for the APPROACH Investigators. Multiple imputation methods for dealing with missing data in observational outcome studies. *Journal of General Internal Medicine* 2001;16(Suppl 1):129.
47. Graham MM, Faris PD, Ghali WA, Knudtson ML, for the APPROACH Investigators. Long-term outcome of revascularization or medical therapy in a cohort of elderly patients. *Journal of the American College of Cardiology* 2001;37(Suppl A):194A.
46. *Devereaux PJ, *Manns BJ, Ghali WA, Quan H, Guyatt GH. The CONSORT checklist as a means to enhance completeness of reporting in randomized controlled trials. *Clinical and Investigative Medicine* 2000;23(Suppl 4):S12.
45. *Norris CM, Ghali WA, Galbraith DM, Saunders LD, Faris P, Knudtson ML, for the APPROACH Investigators. Systematic review of statistical methods used to analyze Seattle Angina Questionnaire scores. *Quality of Life Research* 2000;9:309.
44. Dzavik V, Norris CM, Faris PD, Burton JR, Galbraith PD, Tymchak WJ, Knudtson ML, for the APPROACH Investigators. Changes in revascularization strategies and outcome in diabetic and nondiabetic patients with high-risk coronary anatomy enrolled in a prospective registry, 1995-98. *Circulation* 2000;102(Suppl II):877.
43. Kaul P, Saunders LD, Ghali WA, Norris CM, Dzavik V, Newman SC, Knudtson ML, for the APPROACH Investigators. Predictors of long-term mortality following percutaneous coronary intervention: a population-based analysis. *Canadian Journal of Cardiology* 2000;16(Suppl F):166F.
42. *Graham MM, Faris PD, Ghali WA, Galbraith PD, Norris CM, Badry JT, Knudtson ML, for the APPROACH Investigators. *Canadian Journal of Cardiology* 2000;16(Suppl F):206F.
41. Ghali WA, Cornuz J, McAlister FA, Wasserfallen JB, Devereaux PJ, Naylor CD. Importance of pre-release and fast-track publications. *Journal of Clinical Epidemiology*. 2000;53:437-442.
40. Cornuz J, Ghali WA, Hayoz D, Depairon M, Yersin B. Clinical prediction of deep venous thrombosis in symptomatic patients. *Journal of General Internal Medicine*. 2000;15(Suppl 1):60.
39. *Quan H, Ghali WA, Verhoef MJ, Norris CM, Knudtson ML, for the APPROACH Investigators. Chelation therapy use in patients undergoing coronary angiography. *Journal of General Internal Medicine* 2000;15(Suppl 1):91.
38. *Bugar JM, Ghali WA, Lemaire JB, Quan H. Pre-operative medical consultation and patient outcomes. *Journal of General Internal Medicine* 2000;15(Suppl 1):104.
37. Curtis M, for the APPROACH Investigators. Death Rates for males and females by treatment strategy and risk category. *Journal of the American College of Cardiology*. 2000;35(Suppl A):543A.

36. Belenkie I, Edworthy S, Manyari D, Churchill-Smith T, Galvin D, Ghali WA. Re-hospitalizations in cardiac patients can be reduced by a comprehensive enhanced secondary prevention program: A prospective randomized trail. *Circulation* 1999;Nov abstract supplement.
35. Bungard TJ, Ghali WA, Teo KK, McAlister FA, Yim R, Buchan A, Cave A, Mitchell LB, Shuaib A, Tsuyuki RT. Understanding the barriers to warfarin therapy in patients with non-valvular atrial fibrillation. *Canadian Journal of Cardiology* 1999;Oct abstract supplement.
34. MacKay E, Ghali WA, Quan H. Explaining length of stay differences in medical patients. *Clinical and Investigative Medicine* 1999;22(Suppl):S26.
33. *Bugar JM, Ghali WA, Lemaire J, Quan H. Utilization of an outpatient pre-operative assessment clinic in a tertiary care centre. *Clinical and Investigative Medicine* 1999;22(Suppl):S27.
32. *Devereaux PJ, *Manns BJ, Ghali WA, Quan H, Guyatt GH. Physician survey on interpretation of blinding terminology in randomized controlled trials. *Clinical and Investigative Medicine* 1999;22(Suppl):S27.
31. *Devereaux PJ, *Manns BJ, Ghali WA, Quan H, Guyatt GH. Reviewing the reviewers: The quality of reporting in three review journals. *J Gen Intern Med.* 1999;14(Suppl 2):24.
30. *Devereaux PJ, Manns BJ, Ghali WA, Quan H, Guyatt GH. Completeness of reporting in randomized controlled trials. *J Gen Intern Med.* 1999;14(Suppl 2):24.
29. Ghali WA, Quan H, Parsons G. Validation of comorbidity information in ICD-9-CM administrative data. *J Gen Intern Med.* 1999;14(Suppl 2):32.
28. *Hemmelgarn BR, Ghali WA, Knudtson ML for the APPROACH Investigators. Prognosis after cardiac catheterization in patients with non-dialysis dependent renal insufficiency. *J Gen Intern Med.* 1999;14(Suppl 2):38.
27. MacKay E, Ghali WA, Quan H. Explaining length of stay differences in medical patients. *J Gen Intern Med.* 1999;14(Suppl 2):107.
26. Ghali WA, Quan H, Norris CM, Brant R, Knudtson ML, for the APPROACH Investigators. Plotting risk adjusted survival curves from proportional hazards models: A comparison of two methods. Abstract. *Medical Decision Making.* 1998;18:490.
25. *Norris CM, Ghali WA, Knudtson ML, Saunders D, for the APPROACH Investigators. Relationship between cardiovascular treatment strategy and patient satisfaction as measured by the Seattle angina quality of life questionnaire. Abstract. *Quality of Life Research* 1998;7:644.
24. *Brull R, Ghali WA, Quan H. Missed opportunities for prevention in General Internal Medicine. Abstract. *Clinical and Investigative Medicine.* 1998;Suppl:S56.

23. *Devereaux PJ, Ghali WA, Gibson NM, Skjodt NM, Ford DC, Quan H, Guyatt GH. Physicians' drug recommendations for patients undergoing non-cardiac surgery. Abstract. *Journal of General Internal Medicine*. 1998;13(Suppl):55.
22. Ghali WA, Quan H, Brant R. Risk adjustment using administrative data: Impact of a diagnosis type indicator. Abstract. *Journal of General Internal Medicine*. 1998;13(Suppl):55.
21. Ghali WA, Quan H, Norris CM, Knudtson ML, for the APPROACH Investigators. Outcomes and revascularization rates in diabetics vs. non-diabetics undergoing cardiac catheterization. Abstract. *Canadian Journal of Cardiology*. 1998;14(Suppl F):115F.
20. Hui WK, Norris CM, Ghali WA, Knudtson ML, for the APPROACH Investigators. Impact of stent use on repeat revascularization procedures and risk-adjusted mortality rates in Alberta. Abstract. *Canadian Journal of Cardiology*. 1998;14(Suppl F):163F. (Also published in *Circulation* 1998;98(Suppl):I-287.)
19. Curtis MJ for the APPROACH Investigators. Revascularization style and outcomes in one and two vessel disease: observations from four Alberta centres. Abstract. *Canadian Journal of Cardiology*. 1998;14(Suppl F):88F.
18. Kaul PR, Saunders LD, Roos LL, Kephart G, Ghali WA, Walld R, Warren J. Trends in utilization of CABG and associated outcomes: Alberta, Manitoba, and Nova Scotia, 1991/92 - 1995/96. Abstract. *Canadian Journal of Cardiology*. 1998;14(Suppl F):114F.
17. Dzavik V, Ghali WA, Hui WK, Norris CM, Maitland A, Koshal A, Knudtson ML, for the APPROACH Investigators. Effect of treatment on 2 year outcome of 6253 patients with multivessel CAD in a large prospective regional database. Abstract. *Circulation* 1998;98(Suppl):I-412.
16. Ghali WA, Ash AS, Moskowitz MA. Impact of hospital and surgeon factors on outcomes of cardiac surgery. Abstract. *Journal of General Internal Medicine* 1997;12(Suppl):71.
15. Ghali WA, Saitz R, Eskew AH, Gupta M, Hershman WY. Successful teaching in evidence-based medicine. Abstract. *Journal of General Internal Medicine* 1997;12(Suppl):91.
14. *Devereaux PJ, Ghali WA, Gibson N, Skjodt NM, Ford D, Guyatt GH. Physician estimates of perioperative cardiac risk in patients undergoing noncardiac surgery: Rhyme or reason? Abstract. *Clinical and Investigative Medicine* 1997;20(Suppl):S46.
13. Dzavik V, for the APPROACH Investigators. Prospective validation of the Duke coronary anatomy rating system in a large regional database. Abstract. *Can J Card* 1997;13(Suppl C):131C.
12. Knudtson M, for the APPROACH Investigators. The therapeutic "thumbprints" of tertiary cardiac centres in Alberta. Abstract. *Can J Card* 1997;13(Suppl C):109C.
11. Knudtson M, for the APPROACH Investigators. Importance of categorizing unstable angina patients by ECG changes and CAD history in outcome-oriented databases. Abstract. *Can J Card* 1997;13(Suppl C):108C.

10. Ghali WA, Saitz R, Eskew AH, Lemaire JB, Gupta M, Hershman WY. Evidence-based medicine: Behaviours, skills, and attitudes of medical students. Abstract. *Clinical and Investigative Medicine* 1996;19(Suppl):S51.
9. Simpson CS, Ghali WA, Sanfilippo AJ, Abdollah H. Clinical assessment of clonidine in the treatment of new-onset rapid atrial fibrillation. Abstract. *Canadian Journal of Cardiology*. 1996;Suppl C.
8. Saitz R, Ghali WA, Moskowitz MA. The impact of alcohol-related diagnoses on pneumonia outcomes. Abstract. *Journal of General Internal Medicine*. 1996;11(Suppl):84.
7. Ghali WA, Hall RE, Ash AS, Moskowitz MA. Costs and length of stay for coronary artery bypass surgery: Identifying predictors of resource utilization. Abstract. *Journal of General Internal Medicine*. 1996;11:70.
6. Ghali WA, Ash AS, Hall RE, Moskowitz MA. Variation in hospital rates of intra-aortic balloon pump use for patients undergoing coronary artery bypass surgery. Abstract. *Journal of General Internal Medicine*. 1996;11:70.
5. *Ryan CA, Ghali WA, Freund KM, Moskowitz MA. Menopausal attitudes in women's health and general internal medicine patients. Abstract. *Journal of General Internal Medicine*. 1996;11:137.
4. Hall RE, Ash AS, Ghali WA, Moskowitz MA. The importance of post-operative adverse events on the cost of coronary artery bypass graft surgery. Abstract. *J Invest Med* 1995;43(Suppl 3):506A.
3. Ghali WA, Hall RE, Rosen AK, Ash AS, Moskowitz MA. Improving comorbidity risk adjustment: An alternative to the Charlson index. Abstract. *J Invest Med* 1995;43(Suppl):349A.
2. Ghali WA, Freund KM, Boss RD, Ryan C, Moskowitz MA. Menopausal hormone therapy: Physician awareness of patient attitudes. Abstract. *Journal of General Internal Medicine* 1995;10(Suppl):99.
1. Ghali WA, Rosen AK, Hall RE, Ash AS, Moskowitz MA. Evaluation of non-fatal adverse event rates after coronary artery bypass surgery. Abstract. *Journal of General Internal Medicine* 1995;10(Suppl):66.

v) Letters in peer-reviewed journals.

17. *Bagshaw SM, McAlister FA, Manns BJ, Ghali WA. N-acetylcysteine for contrast nephropathy: more clinical science is required. *Archives of Internal Medicine* 2006;166:1669.
16. Feasby TE, Quan H, Ghali WA. Carotid endarterectomy: turning up the volume. (response) *Archives of Neurology* 2004;61:296-7.

15. *Bagshaw SM, Ghali WA. Erythropoietin and transfusions among critically ill patients. *JAMA* 2003;289:1511.
14. Ghali WA. Sex differences in coronary revascularization. *Annals of Internal Medicine*. 2003;138(3):237.
13. Graham MM, Ghali WA, Faris PD, Galbraith PD, Norris CM, Knudtson ML. New candidates for promoting coronary revascularization: the elderly. *Circulation*. 2003;107(3):e26.
12. Ghali WA, Cornuz J, McAlister FA, Wasserfallen JB, Devereaux PJ, Naylor CD. Not fast enough? *CMAJ* 2002;167:738.
11. Armstrong PW, Cashman NR, Cook DJ, Feeny DH, Ghali WA, de Grujil FR, Hall JG, Herbert CP, Iscoe N, Jadad AR, Kassirer JP, McAlister FA, McGeer AJ, MacMillan HL, Moher D, Phillips S, Redelmeier DA, Schechter MT, Veldhuyzen van Zanten SJO, Yusuf S. A letter from CMAJ's editorial board to the CMA. *Canadian Medical Association Journal*. 2002;167:1230.
10. Feasby TE, Kennedy J, Quan H, Ghali WA. Outcomes in carotid endarterectomy performed by vascular surgeons or neurosurgeons. *Stroke*. 2002;33:1458.
9. *Baskett R, Hirsch G, Ghali WA. Preoperative intraaortic balloon pump in high risk patients (Letter). *Annals of Thoracic Surgery* 2001;71:1400.
8. Tsuyuki RT, McAlister FA, Bungard TJ, Ghali WA, Teo KK. Anticoagulation for atrial fibrillation (Letter). *Archives of Internal Medicine* 2000;160:2403.
7. Ghali WA. Intraaortic balloon pump use in coronary artery bypass operations (Letter). *Annals of Thoracic Surgery*. 1999;68:1438-9.
6. *Devereaux PJ, Ghali WA, Guyatt GH. Physician estimates of perioperative cardiac risk. *Archives of Internal Medicine*. 1999;159:2226-7.
5. Ghali WA, Brull R, Quan H. Improving preventive care(Letter). *Canadian Medical Association Journal*. 1999;161:126.
4. Ghali WA, Lesky LG, Hershman WY. [Defending the need for a longitudinal curriculum in evidence-based medicine] (Letter). *Academic Medicine*. 1998;73:1216.
3. *Devereaux PJ, Ghali WA. Comment on: Effect of atenolol on mortality and cardiovascular morbidity after noncardiac surgery (Letter). *New England Journal of Medicine* 1997;336:1452-1453.
2. Ghali WA, Ash AS, Hall RE, Moskowitz MA. Have quality improvement efforts decreased mortality rates following cardiac surgery? (Letter) *JAMA* 1997;277:1517.
1. Ghali WA, Hershman WY. Comment on: Case-control study, meta-analysis, and bouillabaisse: Putting the calcium antagonist scare into context (Letter). *Annals of Internal Medicine* 1996;125:518-9.

v) Other published letters - not peer reviewed.

Devereaux PJ, Ghali WA. Cardiac risk indices underused in cases of noncardiac surgery (Commentary). *Modern Medicine* 1999;67:18.

v) Abstract Communications - unpublished

12. *Girard PL, Feasby TE, Quan H, Kennedy J, Eliasziw M, Ghali WA. Complication rates after left vs. right-sided carotid endarterectomy. 2006: Proceedings of the American Heart Association Quality of Care and Outcomes Annual Research Meeting, Washington, DC.
11. *Rabi DM, Edwards AL, Southern DA, Ghali WA. Association of income and referral rate to a centralized, urban, diabetes education centre. *Canadian Diabetes Association/ CSEM Professional Conference, Quebec City, Quebec.* 2004:20.
10. Ghali WA, Norris CM, Knudtson ML, for the APPROACH Investigators. The Alberta Provincial Project for Outcome Assessment in Coronary Heart Disease. Abstract. International Health Evaluation Association Conference. September 1998.
9. Janes E, Green T, Ghali WA, Karbalai H, Feasby T, Buchan AM. Alberta stroke program audit of carotid endarterectomies. Abstract. Canadian Congress of Neurological Sciences. June 1998.
8. Saitz R, Ghali WA, Moskowitz MA. The impact of leaving the hospital against medical advice on resource utilization attributable to alcoholism. Abstract. Association for Health Services Research Conference, presentation in June, 1996.
7. Ghali WA, Hall RE, Rosen AK, Ash AS, Moskowitz MA. Differences between predictors of fatal and non-fatal adverse events after coronary artery bypass surgery. Abstract. Evans Medical Foundation Research Conference. Boston, MA, October 1994.
6. Ghali WA, Freund KM, Boss RD, Ryan C, Moskowitz MA. Menopausal hormone therapy: Physician knowledge and prevalence of use in a General Internal Medicine clinic. Abstract. Evans Medical Foundation Research Conference. Boston, MA, October 1994.
5. Rosen AK, Ghali WA, Hall RE, Moskowitz MA. Identifying post-operative adverse events of coronary artery bypass surgery using ICD-9-CM codes. Abstract. Association for Health Services Research Conference. San Diego, CA, May 1994.
4. Swieter M, Ghali WA, Befus D. The mast cell and its micro-environment: Modulation of IgE-dependent histamine release from mast cells by interferon. Abstract. American Association of Anatomists, 1988.
03. Ghali WA, Swieter M, Befus D. Interferon inhibition of mast cell degranulation shows dose and stimulus-dependency. Abstract. Poster presentation at Alberta Heritage Foundation Medical Research Conference. Calgary, 1987.

02. Swieter M, Rimmer C, Ghali WA, Befus D. Inhibition of rat peritoneal mast cell histamine release by interferon. Abstract. Fed. Proc., 1987.
01. Ghali WA, Swieter M, Befus D. Interferon modulates rat peritoneal mast cell function. Abstract. Poster-presented at Alberta Heritage Foundation Medical Research Conference. Edmonton, 1986.