

## CURRICULUM VITAE

### Douglas K. Owens, M.D., M.S.

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**Nationality:** United States Citizen

**Education:**

1978 B.S. Stanford University; Stanford, California

1982 M.D. University of California - San Francisco;  
San Francisco, California

1991 M.S. Stanford University; Stanford, California

**Postdoctoral  
Training:**

1982 - 1983 Internship, Internal Medicine, Hospital of the University of Pennsylvania;  
Philadelphia, Pennsylvania

1983 - 1985 Residency, Internal Medicine, Hospital of the University of Pennsylvania;  
Philadelphia, Pennsylvania

1985 - 1986 Post-Doctoral Research, Stanford University; Stanford, California. Research  
in Decision Analysis supported by a grant from the National Fund for  
Medical Education

1988 - 1991 Fellowship in Health Care Research and Health Policy, Stanford University;  
Stanford, California.

**Licensure and  
Certification:**

1985 American Board of Internal Medicine  
1985 State of California, Board of Registration in Medicine

**Hospital  
Appointments:**

1977 - 1980 Research Assistant, Stanford University Medical Center; Stanford, California  
(research in neurochemistry)

1984 - 1985 Staff Physician, Emergency Medicine Associates, Hospital of the University of Pennsylvania Emergency Department; Philadelphia, Pennsylvania (Part-time position in an adult urgent care clinic).

1985 Staff Physician, Kaiser Permanente Medical Center; Oakland, California (Part-time position in the Emergency Department)

1985 - present Staff Physician, Ambulatory Care, Department of Veterans Affairs Medical Center; Palo Alto, California

1986 - 1988 Chief, General Medical Clinic, Ambulatory Care, Department of Veterans Affairs Medical Center; Palo Alto, California

1987 - 1988 Acting Associate Chief of Staff for Ambulatory Care, Department of Veterans Affairs Medical Center; Palo Alto, California (Administrative chief of 27 medical and surgical outpatient clinics)

1991 - 1992 Chief, General Medical Clinic, Ambulatory Care, Department of Veterans Affairs Medical Center; Palo Alto, California

**Academic Appointments:**

1985 - 1986 Clinical Instructor in Medicine, Division of General Internal Medicine, Stanford University School of Medicine; Stanford, California

1987 - 1991 Clinical Assistant Professor of Medicine, Division of General Internal Medicine, Stanford University School of Medicine; Stanford, California

1991 - 1997 Assistant Professor of Medicine, Division of General Internal Medicine and Section on Medical Informatics, Department of Medicine, Stanford University School of Medicine

1991 - 2007 Director, Fellowship in Ambulatory Care Research and Practice, Department of Veterans Affairs Medical Center; Palo Alto, California

1991 - 1993 Chief, Section of General Internal Medicine, Department of Veterans Affairs Medical Center; Palo Alto, California

1992 - 1997 Assistant Professor of Health Research and Policy (by courtesy), Department of Health Research and Policy, Stanford University School of Medicine

1994 - present Associate Director, Fellowship Program in Health Care Research and Health Policy, Stanford University

1994 - present Director, Postdoctoral Fellowship in Medical Informatics, VA Medical Center, Palo Alto and Stanford University, Stanford, California.

1997 - 2006 Associate Professor of Medicine, Center for Primary Care and Outcomes Research, Department of Medicine, Stanford University School of Medicine

1997 - 2006 Associate Professor of Health Research and Policy (by courtesy), Department of Health Research and Policy, Stanford University School of Medicine

1997 - present Director, Program on Clinical Decision Making and Guideline Development, Center for Primary Care and Outcomes Research, Stanford, California.

- 2002 - present Director, Stanford University-University of California, San Francisco Evidence Based Practice Center, funded by the Agency for Healthcare Research and Quality.
- 2003 - 2004 Acting Director, Center for Primary Care and Outcomes Research (PCOR), Stanford University School of Medicine, and Center for Health Policy (CHP), Institute for International Studies, Stanford University.
- 2005 - present Director, Physician Post-Residency Fellowship Program in Health Services Research and Development, Veterans Affairs Palo Alto Health Care System, Palo Alto, California.
- 2006 - present Professor of Medicine, Center for Primary Care and Outcomes Research, Department of Medicine, Stanford University School of Medicine
- 2006 - present Professor of Health Research and Policy (by courtesy), Department of Health Research and Policy, Stanford University School of Medicine

**Honors and Awards:**

- 1978 Graduated with Distinction, Biological Sciences, Stanford University, Stanford California
- 1978 Phi Beta Kappa Honor Society, Stanford University, Stanford California
- 1982 Gold Headed Cane Honor Society, University of California School of Medicine, San Francisco, California
- 1991 2nd place, Sixth Annual Decision Analysis Special Interest Group National Student Competition, Operations Research Society of America
- 1991 1st Place, Ninth Annual Lee Lusted National Post-doctoral Student Research Competition, Thirteenth Annual Meeting, Society for Medical Decision Making
- 1992 Research Associate Career Development Award, VA Health Services Research and Development Service (1992 to 1995)
- 1995 Senior Research Associate Career Development Award, VA Health Services Research and Development Service (1995 to 1999)
- 1996 Annual Outstanding Paper Award, Society for Computer Simulation International, Simulation in the Medical Sciences Conference, 1996
- 2000 Elected member, The American Society for Clinical Investigation
- 2003 Center for Primary Care and Outcomes Research Division Teaching Award, Stanford University, Stanford, California
- 2007 Under Secretary's Award for Outstanding Achievement in Health Services Research, U.S. Department of Veterans Affairs
- 2008 Elected, Association of American Physicians

**Memberships:**

- Member, American College of Physicians  
 Member, Society of General Internal Medicine  
 Member, Society for Medical Decision Making

**Research Interests:** Methods for the development of clinical guidelines  
Analytic methods for medical decision making  
Technology assessment  
Quantitative policy analysis: HIV disease, cardiovascular disease

**Selected Committees, Boards and Consultantships**

1991 – 1992 Nominating Committee, Society for Medical Decision Making, Washington, D.C.

1991 – 1993 Consultant, Agency for Health Care Policy and Research, HIV Guideline Development Panel; Rockville, Maryland

1991 – 1994 VA Western Region Ambulatory Care and Education Program Development and Evaluation Subcommittee Study Section

1991 – 2002 Doctoral Dissertation Qualifying Examination Committee, Medical Information Sciences Program, Stanford University, Stanford, California

1993 – 1994 Review Committee, Ambulatory Care Fellowship Programs, Department of Veterans Affairs Central Office; Washington D.C.

1993 – 2004 Research Review Committee, Center for Health Care Evaluation, VA Health Services Research and Development Field Program; Palo Alto, California

1994 Special Scientific Review Committee, Development of Practice Guidelines, Agency for Health Care Policy and Research; Bethesda, Maryland

1994 – 1995 Chair, Pharmacy and Therapeutics Committee, VA Medical Center, Palo Alto

1994 – Admissions Committee, Graduate Program in Health Services Research, Stanford University

1994 Special Scientific Review Committee, Agency for Health Care Policy and Research; Bethesda, Maryland

1994 – 1995 Consultant, National Institute of Child Health and Human Development, National Institutes of Health, Guideline Development Panel, Adolescent HIV; Rockville, Maryland

1995 Chair, Abstract Selection Committee, National Research Service Award (NRSA) Trainee Research Conference; Chicago, Illinois

1996 – 1999 Editorial Board, Medical Decision Making

1995 – 1997 Trustee, Society for Medical Decision Making, Washington, DC.

1996 Scientific Program Co-Chair, Second Annual National Research Service Award (NRSA) Trainee Research Conference, Atlanta, Georgia; June 8, 1996

1997 VA Cooperative Studies Evaluation Committee

1997 VA HSR&D Scientific Review and Evaluation Committee, Washington, D.C.

1997 – 2000	Financial Management Group, Sierra Pacific Veterans Integrated Service Network, VA, San Francisco, California
1997 - present	Executive Committee, Evidence-Based Practice Center, Stanford University and University of California San Francisco
1997 – present	Governing Committee, Evidence-Based Practice Center, Stanford University and University of California San Francisco
1997 – 2000	Professional Standards Board, VA Palo Alto Health Care System
1997 – 2001	Executive Committee, Section on Medical Informatics, Stanford University
1997 – 1998	President Elect, Society for Medical Decision Making, Washington, D.C.
1998, 2000	Admissions Committee, Medical Information Sciences Training Program, Stanford University
1998 – present	VA Quality Enhancement Research Initiative, National Executive Committee, HIV Disease, Washington, D.C.
1998 – 1999	President, Society for Medical Decision Making, Washington, D.C.
1998 – 2003	Advisory Board, Program on the Economic Evaluation of Medical Technology, Harvard Center for Risk Analysis, Harvard University
1999 – 2000	Past President, Society for Medical Decision Making, Washington, D.C.
1999	VA Career Development Program Review Committee, Washington, D.C.
2000	Consultation on Anti-retroviral Therapy for HIV Prevention, Centers for Disease Control and Prevention, Atlanta, Georgia, December 4.
2001 –	Clinical Efficacy Assessment Subcommittee, American College of Physicians, Philadelphia, Pennsylvania.
2001 – 2003	Blue Shield of California, Medical Policy Committee on Quality and Technology, San Francisco, California.
2001	Consultation on Prevention Effectiveness at CDC: Development of a Five-Year Plan, Centers for Disease Control and Prevention, Atlanta, Georgia, July 12.
2002	Consultation on Use of Partially Effective HIV Vaccines, Centers for Disease Control and Prevention, Atlanta, Georgia, January 16-17.
2002 – 2004	Chair, 2004 Annual Meeting, Society for Medical Decision Making, Atlanta, Georgia.
2002	Guest Editor, Special Supplement on Clinical Decision Making and Public Health, Medical Decision Making.
2002 - 2004	Steering Committee, VA Health Services Research Enhancement Award Program (REAP): Enhancing VA Health Services Research in Patient-Centered Care.

2002 Consultation on Use of Partially Effective HIV Vaccines. World Health Organization, UNAIDS, and Centers for Disease Control and Prevention, Geneva, Switzerland.

2003 – 2004 Stanford Institute for International Studies, Standing Search Committee and Executive Committee

2004 Co-chair, Scientific Abstract Selection Committee, 27<sup>th</sup> Annual Meeting, Society for General Internal Medicine, Chicago, Illinois, May 2004.

2004 – Admissions Committee, Biomedical Informatics Training Program, Stanford University

2004 – Research and Development Review Committee, VA Palo Alto Health Care System

2005 – Chair, Clinical Efficacy Assessment Subcommittee, American College of Physicians, Philadelphia, Pennsylvania.

2005 – Education Committee, American College of Physicians, Philadelphia, Pennsylvania.

2006 – Data Safety Monitoring Board, VA Cooperative Study #553, Chemotherapy After Prostatectomy, San Francisco, California

2007 – Advisory Committee on the Development of Interactive Decision Aids, Agency for Healthcare Research and Quality

2007 – Advisory Research Committee, Palo Alto Institute for Research and Education (PAIRE), VA Palo Alto Health Care System

2007 – Expert Advisory Panel for the National Guideline and National Quality Measures Clearing House, Agency for Healthcare Research and Quality

2008 National Institutes of Health, AIDS, Clinical Studies, and Epidemiology (ACE) Study Section

2008 – Technical Expert Advisory Panel on Clinical Decision Support, Agency for Healthcare Research and Quality

2008 – Chair, Research and Development Review Committee, VA Palo Alto Health Care System

2008 – Board of Directors, Palo Alto Institute for Research and Education (PAIRE), VA Palo Alto Health Care System

2008 – 2009 Committee on Effectiveness of National Biosurveillance Systems: BioWatch and the Public Health System, Institute of Medicine and National Research Council, Washington D. C.

**Selected Teaching Experience (Stanford University):**

1985 - 1992 Lecture series on Outpatient Medicine, two conferences per week on a variety of topics, Ambulatory Care, Department of Veterans Affairs Medical Center; Palo Alto, California

1986 - 1987 "Probability Assessment," Medical Information Sciences 211

1986 - 1992	"Test Performance"; "Bias in Study Design"; "Literature Evaluation"; "Decision Theory"; "Threshold Analysis"; "Preventive Health Screening"; "Assessing Patient Preferences"; "Cost-Effectiveness Analysis"; Stanford Faculty Development Program
1986 - 1992	"Problem List and Differential Diagnosis"; "Clinical Reasoning"; Preparation for Clinical Medicine
1987 - 1988	Co-Director, Clerkship in Ambulatory Care
1988	Course Coordinator, Clinical Reasoning Section in Preparation for Clinical Medicine
1991	"The Interface of Medicine and Economics," Human Values in Medicine
1991	"Principles of Screening: Human immunodeficiency virus infection," Health Research and Policy 200
1991 - 1993	"Decision Theory and Screening for Human Immunodeficiency Virus," Graduate School of Business 243 (Analysis of Costs, Risks and Benefits of Health Care)
1991 - 1993	"Health Policy and Informatics," Medical Information Sciences 210.
1992	"Occupational Risk Assessment in the Medical Environment," Engineering-Economic systems 421.
1992 - 1993	"Ethical Dilemmas and AIDS," Medical Ethics II, Medicine 250B
1993 - present	Co-Instructor, Health Research and Policy 283, (Seminar in Research Methods)
1994	"Screening for HIV Disease," Health Research and Policy 202 (Biostatistics and Epidemiology)
1995	"Model Based Analyses of Transmission Risks and screening programs: HIV in the medical workplace," Operations Research
1996	"Introduction to Decision Models", and "Clinical Practice Guidelines", Health Research and Policy 200
1996	"Screening Physicians and Patients for HIV", Human Biology 142 (Impact of AIDS)
1997 - 1998	Co-instructor, Engineering 63, Engineering Applications in Medicine, 3 units, Fall Quarter
1998 - present	Co-instructor, Economics 332, Analysis of Costs, Risks, and Benefits in Health Care
2001 -	"Translating Clinical Trials into Improved Health", Design and Conduct of Clinical Trials, Fall 2001, School of Medicine.
2001 - present	"Screening for HIV Disease", Management Science and Engineering 290
2003 – present	"Cost effectiveness of HIV Vaccines", Management Science and Engineering 292

## **Graduate Students/Postdoctoral Fellows Supervised:**

### **Postdoctoral Fellows:**

Thomas W. McDonald, M.D, VA Ambulatory Care Fellowship, Project: Evaluation of a physician workstation

Brian Gage, M.D. (thesis advisor), VA Ambulatory Care Fellowship, Project: Cost-effectiveness of antithrombotic therapy for prevention of strokes in patients with atrial fibrillation

David Stern, M.D. VA Ambulatory Care Fellowship, Project: Evaluation of the role of journal clubs in medical education

Barry Rotman, M.D., VA Ambulatory Care Fellowship, Project: Impact of a physician workstation on costs of care

Ida Sim, M.D. (thesis advisor), VA Ambulatory Care Fellowship, Project: Computer-based publication of clinical trial data; VA Postdoctoral Medical Informatics Fellowship, Project: A computer-based trail bank

Cindy Mason, Ph.D., VA Medical Informatics Fellowship, Project: Development of a user interface for research databases

Anne Dembitzer, M.D. (thesis advisor), VA Ambulatory Care Fellowship, Project: Cost-effectiveness of mammography

Michael Gould, M.D., Fellowship Program in Health Care Research and Health Policy, Project: Staging non-small cell lung cancer

Patricia Pepper, M.D. (thesis advisor). VA Ambulatory Care Fellowship, Project: Perioperative complications in Parkinson's patients

Ahmed Bayoumi, M.D., VA Ambulatory Care Fellowship, Project: Cost effectiveness analysis of prophylaxis for opportunistic infection in HIV disease

Paul Heidenreich, MD, Fellowship Program in Health Care Research and Health Policy, Project: Cost-effectiveness of echocardiography for diagnosis of endocarditis.

Eric Bradford, MD, Fellowship Program in Health Care Research and Health Policy.

Dena Bravata, MD, VA Ambulatory Care Fellowship, Project: A systematic review of the effect of liver transplantation on quality of life

Amber Barnato, MD, Fellowship Program in Health Care Research and Health Policy, Project: Cost effectiveness of potential vaccines for *Coccidioides immitis*

Lauren Gerson, MD, Fellowship Program in Health Care Research and Health Policy, Project: Management of anticoagulation in patients undergoing endoscopy

Thomas Alloggiamento, MD, VA Ambulatory Care Fellowship, Project: Cost-effectiveness of revascularization of single-vessel coronary artery disease.

Herb Szeto, MD, VA Ambulatory Care Fellowship, Project: Cost-effectiveness of strategies to diagnose pulmonary embolism.

Mark Schleinitz, MD, VA Ambulatory Care Fellowship, Project: Cost-effectiveness of clopidogrel for prevention of stroke.

Melissa Fisher, MD, VA Ambulatory Care Fellowship, Project: Educational curricula development..

Otto Lin, MD, Fellowship Program in Health Care Research and Health Policy, Project: Cost effectiveness of screening for hepatocellular carcinoma in patients with cirrhosis secondary to chronic hepatitis C.

Bahman Nouri, MD, VA Ambulatory Care Fellowship, Project: Cost effectiveness of vaccination for anthrax.

Rohini Vij, MD, Fellowship Program in Health Care Research and Health Policy, Project: Cost effectiveness of photodynamic therapy for high grade dysplasia of the esophagus.

Jon-Erik Holty, MD, VA Ambulatory Care Fellowship, Project: Regionalization of bioterrorism response.

Pete Groeneveld MD, Fellowship Program in Health Care Research and Health Policy, Project: Cost effectiveness of training unselected laypersons in cardiopulmonary resuscitation and defibrillation.

Roni Zeiger, MD, PhD, VA Postdoctoral Medical Informatics Fellowship.

Michael Ong, MD, PhD, VA Ambulatory Care Fellowship, Project: Tobacco and health.

Corinna Haberland MD, Fellowship Program in Health Care Research and Health Policy, Project: Use of information technologies for biodefense.

Smita Nayak, MD, VA Ambulatory Care Fellowship, Project: Best Practices for Quality Health Care.

David Buckeridge, MD, VA Medical Informatics Fellowship (and doctoral thesis defense committee), Doctoral Dissertation, Biomedical Informatics, Thesis: Evaluation of outbreak detection in public health surveillance systems

Ram Duriseti, MD, VA Medical Informatics Fellowship, Project: Inference methods for decision making in the emergency room.

Hau Liu MD, Fellowship Program in Health Care Research and Health Policy, Project: Cost effectiveness of treatments for osteoporosis.

Swati Tole MD, Fellowship Program in Health Care Research and Health Policy, Project: Cost effectiveness of screening for HIV in Russia.

Kanaka D. Shetty MD, VA Ambulatory Care Fellowship, Project: Quality improvement strategies to prevent nosocomial infections.

Nancy Lin, PhD. Fellowship Program in Health Care Research and Health Policy, Project: Closing the quality gap: care coordination.

Eran Bendavid MD, Fellowship Program in Health Care Research and Health Policy, Project: Cost effectiveness of alternative strategies to manage HIV disease in developing countries.

Amar Desai MD, Fellowship Program in Health Care Research and Health Policy, Project: Cost effectiveness of alternative strategies for hemodialysis.

Nayer Khazeni MD, Fellowship in Pulmonary and Critical Care, Project: The cost effectiveness of prophylactic vaccination and antiviral strategies in a southeast asian avian influenza pandemic.

Katherine Herz, MD, Fellowship Program in Health Care Research and Health Policy, Project: Cost effectiveness of alternative therapies for malaria.

Jennifer Schneider, MD, VA Physician Post-Residency Fellowship Program in Health Services Research and Development, Project: Cost effectiveness of screening for tuberculosis.

Daniella Perlroth, MD, VA Informatics Fellowship, Project: Cost effectiveness of preparedness for pandemic influenza.

Crystal Smith-Spangler, MD, VA Physician Post-Residency Fellowship Program in Health Services Research and Development.

Barrett Levesque, MD, Fellowship Program in Health Care Research and Health Policy, Project: Cost effectiveness of alternative diagnostic strategies for Crohn's disease.

Keane Lee, MD, Cardiovascular Medicine, Project: Cost effectiveness of screening for c-reactive protein in patients at intermediate risk for cardiovascular disease.

### **Graduate Students:**

Seema Sonnad (committee), Doctoral Dissertation, Health Economics, University of California, Berkeley

Ryan Harris (advisor), Master's thesis, Health Services Research: Screening patients for HIV infection

Rebecca Lee (committee), Doctoral Dissertation, Engineering-Economic Systems, Thesis: Therapy for HIV Disease

Donna Edwards (committee), Doctoral Dissertation, Engineering-Economic Systems, Thesis: Costs and benefits of vaccination strategies for HIV disease

Gillian Sanders (advisor), Doctoral Dissertation, Medical Information Sciences, Thesis: Automated creation of clinical practice guidelines from decision models

Anke Richter (committee), Doctoral Dissertation, Engineering-Economic Systems, Thesis: Resource allocation in HIV disease

Shyoko Honiden (advisor), Master's thesis, Health Services Research: Quality of life with HIV infection

Jill Frederickson (advisor), Master's thesis, Health Services Research: Cost-effectiveness of virtual colonoscopy for colon cancer screening

Joe Norman (committee), Doctoral Dissertation, Medical Information Sciences

Marcia Tsugawa (committee), Doctoral Dissertation, Engineering Economic Systems and Operations Research, Thesis: Cost effectiveness of vaccine for *Helicobacter pylori*

Greg Zaric (committee), Doctoral Dissertation, Industrial Engineering, Thesis: Resource allocation for epidemic control

Christina Friedrich (committee), Doctoral Dissertation, Industrial Engineering, Thesis: Optimal investment in HIV prevention programs.

Charlotte Haug, MD, PhD. (advisor), Master's thesis, Health Services Research, Cost effectiveness of screening women for chlamydia trachomatis.

Vilija Gulbinas (advisor), Master's thesis, Health Services Research: Measurement of quality of life with HIV infection in the era of highly active antiretroviral therapy.

Kyeen Mesesan (committee), Doctoral Dissertation, Department of Epidemiology and Public Health, Yale School of Medicine, New Haven, Connecticut, Thesis: Evaluation of Partially Effective HIV Vaccines.

Elisa Long (committee), Doctoral Dissertation, Department of Management Science and Engineering, Thesis: Modeling HIV interventions.

Piya Sorcar, Doctoral student, School of Education, Project: HIV/AIDS Education.

David Hutton (committee), Doctoral Dissertation, Department of Management Science and Engineering, Thesis: Modeling screening and treatment of hepatitis.

Sabina Alastar, Doctoral student, Department of Management Science and Engineering.

Lusted Award winners: Brian Gage, Donna Edwards, Ida Sim, Gillian Sanders, Dena Bravata, Kyeen Mesesan, Hau Liu, Elisa Long

**Undergraduate Advising:** Freshman and Sophomore Undergraduate Advisor, Stanford University, Stanford, California, 1991 – 2004.

**Invited Lectures and Presentations:**

1. "Threshold Analysis Using Diagnostic Tests with Multiple Results," Ninth Annual Meeting, Society for Medical Decision Making; Philadelphia, Pennsylvania; October, 1987.
2. "Measures of Test Performance," Department of Medicine, Wright-Patterson Air Force Base; Dayton, Ohio; February, 1988.
3. "Post-test Probability: Bayes' Theorem," Department of Medicine, Wright-Patterson Air Force Base; Dayton, Ohio; February, 1988.
4. "Probability Assessment: Heuristics and Clinical Prediction Rules," Department of Medicine, Wright-Patterson Air Force Base; Dayton, Ohio; February, 1988.
5. "Decision Analysis," Department of Medicine, Wright-Patterson Air Force Base; Dayton, Ohio; February, 1988.
6. "AIDS: Epidemiologic and Therapeutic Concepts," Peking Union Medical College; Beijing, China; March, 1988.
7. "Lung Cancer Staging," Peking Union Medical College; Beijing, China; March, 1988.
8. "Decision Analytic Approach to Lung Cancer Staging," Annual Meeting, American Thoracic Society; Las Vegas, Nevada; May, 1988.
9. "Cost Accounting in Ambulatory Care," Annual Meeting, Veterans Administration Health Services Research and Development Field Program; San Francisco, California; June, 1988.
10. "Decision Analytic Approach to Staging Non-Small Cell (T1) Lung Cancer," Tenth Annual Meeting, Society for Medical Decision Making; Richmond, Virginia; October, 1988.
11. "Invasive versus Non-Invasive Tests For Staging Non-Small Cell Lung Cancer of Unknown Extent: A Decision Analytic Model," (poster presentation) Twelfth Annual Meeting, Society of General Internal Medicine; Washington, D.C.; 1989.
12. "Application of Influence Diagrams in Medical Decision Making," Eleventh Annual Meeting, Society for Medical Decision Making; Minneapolis, Minnesota, October, 1989.
13. "Occupational Risk from HIV and Hepatitis B," Medical Grand Rounds, Veterans Administration Medical Center; San Francisco, California; January 1990.
14. "Occupational exposure to HIV and hepatitis B virus (HBV): A comparative analysis of risk," (poster presentation), Sixth International Conference on AIDS; San Francisco, California; June 20-24, 1990.

15. "Occupational Infection with the Human Immunodeficiency Virus: A Model-Based Analysis of Risk to Surgeons," Operations Research Society of America/The Institute of Management Science (ORSA/TIMS) Joint National Meeting; Philadelphia, Pennsylvania; October 29-31, 1990.
16. "Morbidity and Mortality in the Analysis of Risk: Effect of Incorporation of Preferences for Diminished Health States," Twelfth Annual Meeting, Society for Medical Decision Making; Boston, Massachusetts; November 11-14, 1990.
17. "Identifying Test Alternatives with Value of Information Calculations: Analysis of the Timing of Thoracotomy after Myocardial Infarction," (poster presentation) Twelfth Annual Meeting, Society for Medical Decision Making; Boston, Massachusetts; November 11-14, 1990.
18. "Analysis of Occupational Risk of HIV and Hepatitis B Infection," Medical Grand Rounds, Monterey Hospital; Monterey, California; November 21, 1990.
19. "Methodologic Approaches to Guideline Formulation," Agency for Health Care Policy and Research; Washington, D. C; April 4, 1991.
20. "Model-based Design of Clinical Guidelines: Approaches for Customizing Guidelines," Institute of Medicine; Washington, D. C; April 5, 1991.
21. "Optimal test strategy for staging peripheral non-small cell lung cancer with potential chest wall invasion," (poster presentation) National Meeting, American Federation for Clinical Research; Seattle, Washington, May 3-6, 1991.
22. "Evaluating the Impact of Variation in Clinical Circumstance on Optimal Guideline Development: The Expected Value of Customization," (poster presentation) Thirteenth Annual Meeting, Society for Medical Decision Making; Rochester, New York, October 20 - 23, 1991.
23. "A Model-based Approach for Prioritizing Information Acquisition During Guideline Development," Thirteenth Annual Meeting, Society for Medical Decision Making; Rochester, New York; October 20 - 23, 1991.
24. "Advanced Topics in Probabilistic Medical Reasoning: Influence Diagrams and Belief Networks," Thirteenth Annual Meeting, Society for Medical Decision Making, Rochester; New York, October 20 - 23: 1991.
25. "Health Risks During the Provider-patient Encounter: Analysis of the Hazard from HIV and Hepatitis B Infection," Thirty-third Joint National Meeting, Operations Research Society of America/The Institute of Management Science (ORSA/TIMS); Anaheim, California; November 3 - 6, 1991.
26. "Guideline Development for HIV Disease: Methodologic Issues," Conference on HIV-AIDS Health Services Research and Delivery, Agency for Health Care Policy and Research; Miami, Florida; December 4 - 6, 1991.
27. "HIV Screening for the Public Good," Sixth Annual Stanford Health Policy Forum, Stanford Medical School; Stanford, California; January 25, 1992.
28. "Use of the polymerase chain reaction for the diagnosis of HIV infection in adults: A meta-analytic evaluation of test performance," (poster presentation) Fifteenth Annual Meeting, Society of General Internal Medicine; Washington, D.C.; April 29 - May 1, 1992.
29. "The polymerase chain reaction for the diagnosis of adult HIV infection: Contributions of technical aspects and study population to performance," Dartmouth Summer Institute on Technology Assessment, Dartmouth Medical School; Hanover New Hampshire; July 23 - 24, 1992.
30. "Advanced Topics in Probabilistic Medical Reasoning: Influence Diagrams and Belief Networks," Fourteenth Annual Meeting, Society for Medical Decision Making; Portland, Oregon; October 17 - 20: 1992.

31. "Diagnosis of Pediatric HIV Infection with the Polymerase Chain Reaction: A meta-Analytic Evaluation of Test Performance," Fourteenth Annual Meeting, Society for Medical Decision Making; Portland, Oregon; October 17 - 20: 1992.
32. "HIV Transmission Between Physicians and Patients: Estimating the Risk," Thirty-fourth Joint National Meeting, Operations Research Society of America/The Institute of Management Science (ORSA/TIMS); San Francisco, California; November 1-4, 1992.
33. "Decision Analysis and HIV-Related Health Policy," Thirty-fourth Joint National Meeting, Operations Research Society of America/The Institute of Management Science (ORSA/TIMS); San Francisco, California; November 1 - 4, 1992.
34. "Risk of Hepatitis B Transmission from Athletic Injuries," Sports Medicine Program Grand Rounds; Stanford University, Stanford, California; January 21, 1993.
35. "Technology Assessment: A Case Study and Proposal for Sponsorship of Evaluative Research," Health Services Research Seminar, Stanford University; Stanford, California; February 8, 1993.
36. "Developing a Method for Customizing Screening Guidelines," VA Health Services Research and Development Service Research Career Development Award Conference; Washington, D.C., April 21 - 22, 1993.
37. "Standards and Guidelines for HIV Care," Learning to Choose HIV Therapies, sponsored by the Food and Drug Administration and the Illinois Department of Public Health; Chicago, Illinois; September 8, 1993.
38. "Screening for HIV infection in acute-care settings: Determinants of cost-effectiveness," . Fifteenth Annual Meeting, Society for Medical Decision Making; Research Triangle, North Carolina; October 24 - 27, 1993.
39. "Use of cost-effectiveness and value of information analyses to customize guidelines for specific clinical practice settings," Fifteenth Annual Meeting, Society for Medical Decision Making; Research Triangle, North Carolina; October 24 - 27, 1993.
40. "An Evaluation of the Cost-effectiveness of Screening Physicians for HIV Infection to Prevent Transmission to Patients," Fifteenth Annual Meeting, Society for Medical Decision Making; Research Triangle, North Carolina; October 24 - 27, 1993.
41. "Practice Guidelines: Past Problems and Future Promises," Visiting Professorship, Medical Grand Rounds, University of Hawaii at Manoa, Honolulu, Hawaii; July 19, 1994.
42. "Tailoring Clinical Practice Guidelines for a Specific Practice Setting," Visiting Professorship, University of Hawaii at Manoa, Honolulu, Hawaii; July 20, 1994.
43. "A Practical Guide to Practice Guidelines," Fourteenth Annual Update and Review of Internal Medicine, sponsored by the American College of Physicians and the University of Hawaii at Manoa, Kapalua Maui, Hawaii; July 22 - 26, 1994.
44. "Preventive Medicine: Principles of Screening and Cost-Effectiveness," Fourteenth Annual Update and Review of Internal Medicine, sponsored by the American College of Physicians and the University of Hawaii at Manoa, Kapalua Maui, Hawaii; July 22 - 26, 1994.
45. "Controversies in Screening," Fourteenth Annual Update and Review of Internal Medicine, sponsored by the American College of Physicians and the University of Hawaii at Manoa, Kapalua Maui, Hawaii; July 22 - 26, 1994.
46. "An Overview of Practice Guideline Development," Center for the Evaluative Clinical Sciences, Dartmouth Medical School, Hanover, New Hampshire; October 20, 1994.
47. "Who Should be Screened for HIV: Physicians, Patients, Both, Neither?," Medical Grand Rounds, Stanford University School of Medicine, Stanford, California; November 3, 1994.

48. "Considerations in Adopting Practice Guidelines: Management of HIV in Adolescent Patients," Adolescent Medicine HIV/AIDS Research Network, sponsored by the National Institute for Child Health and Human Development, Bethesda, Maryland; December 8, 1994.
49. "Should Physicians and Patients be Screened for HIV?", Medical Grand Rounds, Marin General Hospital, Greenbrae, California; January 31, 1995.
50. "An Overview of Practice Guidelines: Science and Clinical Wisdom or Witches Brew?" Health Services Research Seminar, Center for Health Care Evaluation, HSR&D Field Program, VA Medical Center, Menlo Park, California; February 3, 1995.
51. "Physicians and Patients: Who Should be Screened for HIV?", Annual Meeting, Institute for Operations Research and the Management Sciences, Los Angeles, California; April 23 - 26, 1995.
52. "Health Care Policy: Past, Present, and Future," Third Annual Clinical Exercise Physiology and Cardiac Rehabilitation Conference, Palo Alto, California; August 11, 1995.
53. "A Model-Based Analysis of the Costs and Benefits of Screening Physicians for HIV," Scientific Decision Making in Health Care, Palo Alto, California; September 22, 1995.
54. "Individualizing Medical Care to Accommodate Diverse Patient Preferences: New Approaches to Preference Assessment and Guideline Development.," Medical Grand Rounds, Stanford University School of Medicine, Stanford, California; October 5, 1995.
55. "Cost-Effectiveness of Third-Generation Implantable Cardioverter-Defibrillators for Prevention of Sudden Cardiac Death," Seventeenth Annual Meeting, Society for Medical Decision Making; Tempe, Arizona; October 14 - 17, 1995.
56. "Health Policy and Managed Care: Implications for the VA," VA Palo Alto Health Care System Management Retreat, Menlo Park, California; December 1, 1995.
57. "How to Order Diagnostic Tests Based on the Evidence," Fourth Annual James Kung Primary Care Conference, Stanford University; Stanford, California; May 18, 1996.
58. "Identification of Patients at High Risk for Sudden Cardiac Death," Eighteenth Annual Meeting, Society for Medical Decision Making, Toronto, Canada; October 13 - 16, 1996.
59. "Sudden Cardiac Death: Evaluation of the Costs and Benefits of the Implantable Cardioverter Defibrillator," Section on Medical Informatics Symposium, Stanford University; Stanford, California; May 6-7, 1997.
60. "Assessment of the Cost Effectiveness of the Implantable Cardioverter Defibrillator: Technology at a Turning Point?," Department of Veterans Affairs Medical Center, West Roxbury, Massachusetts; May 13, 1997.
61. "Preparing to Implement Practice Guidelines," Sierra Pacific Veterans Integrated Service Network, Guideline Implementation Planning Conference, Concord, California; July 16, 1997.
62. "An Analytic Framework for Development of Site-Specific HIV Screening Guidelines," Third Plenary Meeting, European Union Concerted Action on Multinational Scenario Analysis Concerning Epidemiological Social and Economic Impacts of HIV/AIDS on Society, Bilthoven, The Netherlands; October 1-3, 1997.
63. "The Cost Effectiveness of Potential HIV Vaccines," Third Plenary Meeting, European Union Concerted Action on Multinational Scenario Analysis Concerning Epidemiological Social and Economic Impacts of HIV/AIDS on Society, Bilthoven, The Netherlands; October 1-3, 1997.
64. "Sudden Death and the Implantable Defibrillator: Technology at a Turning Point?," Harvard Center for Risk Analysis, Harvard, Massachusetts; May 1, 1998.

65. "Preventing Sudden Cardiac Death with the Implantable Cardioverter Defibrillator: Can We Afford It?," Research Institute, Palo Alto Medical Foundation, May 12, 1998.
66. "Cost-Effectiveness Analysis of HIV Vaccines," Conference on Quantitative Evaluation of HIV Vaccine Programs, Divonne-les-Bains, France, Sponsored by the Societal Institute of the Mathematical Sciences, New Canaan, Connecticut; July 6-8, 1998.
67. "Development and Dissemination of Clinical Policies: Decision Models and Cost-Effectiveness Analysis", Keynote Address, Conference on Methodological Issues in Pharmacoeconomics and Outcomes Research, Roche Global Pharmaceconomics, Palo Alto, California; November 3- 5, 1998.
68. "Development and Dissemination of Clinical Policies: Clinical Trials, Decision Models, and Cost-Effectiveness Analysis", Hematology Division Seminar, Stanford University School of Medicine, Stanford, California; December 2, 1998.
69. "Clinical Guidelines and Decision Support", Workshop on Career Paths in General Internal Medicine Informatics, Twenty-second Annual Meeting, Society for General Internal Medicine, San Francisco, California, April 29 - May 1, 1999.
70. "The Society for Medical Decision Making at the Millennium", Presidential Keynote Address, Twenty-first Annual Meeting of the Society for Medical Decision Making, Reno, Nevada, October 3-6, 1999.
71. "Costs and Benefits of Potential HIV Vaccines", Conference on Policy Modeling For Better Decisions: The Public Health Impact and Cost Effectiveness of HIV Intervention Programs, Sponsored by the Societal Institute of the Mathematical Sciences, and the National Institute of Drug Abuse, The Cosmos Club, Washington D. C., January 14, 2000.
72. "Cost effectiveness of the implantable defibrillator in patients who have had myocardial infarction", American Society for Clinical Investigation and Association of American Physicians Joint Meeting, Baltimore, Maryland, May 5-7, 2000.
73. "Cost effectiveness of positron emission scanning in the evaluation of metastatic colon cancer", Guy's Hospital, King's College, London, England August 4, 2000
74. "Economic Analysis and Public-Health Interventions", Epidemic Intelligence Service Prevention Effectiveness Course, Centers for Disease Control and Prevention, Atlanta, Georgia, November 8, 2000.
75. "Evaluation of Decision Support Systems for Response to a Bioterrorist Event", Bioterrorism Contractors' Meeting, Agency for Healthcare Research and Quality, Washington D.C., November 27, 2000.
76. "Estimating the Cost Effectiveness of Antiretroviral Therapy for Prevention of HIV Transmission", Centers for Disease Control and Prevention and National Institutes of Health Office of AIDS Research, Consultation on Antiretroviral Therapy for HIV Prevention, Centers for Disease Control and Prevention, Atlanta, Georgia, December 4, 2000.
76. "Cost effectiveness of Potential HIV Vaccines in High-Risk Populations", National Institute of Drug Abuse Community Epidemiology Working Group Conference, San Francisco, California, December 13, 2000.
77. "Using Cost-Effectiveness Analysis to Develop Practice Guidelines for Specific Clinical Populations", Lille University Hospital, Lille, France, April 20, 2001.
78. "Screening for Helicobacter Pylori to Prevent Gastric Cancer", Lille University Hospital, Lille, France, April 20, 2001.
79. "Population Health Benefits and Costs of Potential Preventive and Therapeutic HIV Vaccines", 9<sup>th</sup> International Conference on AIDS, Cancer and Related Problems, St. Petersburg, Russia, May 27-June 1, 2001.

80. "Evaluating the Cost and Benefits of Potential Preventive and Therapeutic HIV Vaccines", Department of Medicine Research Conference, Stanford University, Stanford, California, November 5, 2001.
81. "Health Care System Preparedness for Bioterrorism", California Biodefense Forum, Berkeley, California, November 10, 2001.
82. "Bioterrorism: Are We Prepared?", World Affairs Council of Northern California, San Francisco, California, November 15, 2001.
83. "Technology Assessment and Clinical Decision Making", Center for Health Care Evaluation Research Conference, VA Health Care System, Palo Alto, November 27, 2001.
84. "Cost Effectiveness of HIV Screening in the VA", Department of Veterans Affairs National HIV Quality Enhancement Research Initiative Executive Committee Meeting, Orlando, Florida, December 12-13, 2001.
85. "Costs and Benefits of Potential HIV Vaccines", HIV Vaccine Consultation, Centers for Disease Control and Prevention, Atlanta, Georgia, January 16-17, 2002.
86. "Comprehensive Systematic Reviews: Methods of Stanford-UCSF Evidence-Based Practice Center," Center for Information Technology Leadership, Partners Healthcare System, Boston, Massachusetts, July 23, 2002.
87. "Costs and Benefits of Partially Effective HIV Vaccines", HIV Vaccine Consultation, World Health Organization, Geneva, Switzerland, November 20-21, 2002.
89. "Affordable Benefits Package for Universal Health Care", Integrated Healthcare Association, Oakland California, January 29, 2003.
90. "Seroprevalence of HIV Infection at VA Health Care Systems", Twenty-fifth Annual Meeting, Society for Medical Decision Making, Chicago, Illinois, October 19-22, 2003.
91. "An Overview of Evidence-Based Practice Centers", VA National Quality Enhancement Research Initiative (QUERI) Meeting, Washington D.C., December 17-19, 2003.
92. "Cost Effectiveness of Screening for HIV in Acute Care Settings", VA National Quality Enhancement Research Initiative (QUERI) Meeting, Washington D.C., December 17-19, 2003
93. "HIV Testing and Counseling in the VA: Implications for Screening Guidelines", Veterans Health Administration Public Health Strategic Health Care Group Retreat, Washington D.C., December 17, 2003.
94. "Changing Clinical and Health Policy with Modeling," 12<sup>th</sup> International Conference on AIDS, Cancer, and Related Problems, St. Petersburg Russia, May 24-31, 2004.
95. "Cost Effectiveness of Partially Effective HIV Vaccines in the Era of Highly Active Antiretroviral Therapy" 12<sup>th</sup> International Conference on AIDS, Cancer, and Related Problems, St. Petersburg Russia, May 24-31, 2004.
96. "Bioterrorism Preparedness and Response," Young President's Organization, Menlo Park, California, January 12, 2005.
97. "Cost Effectiveness of the Implantable Cardioverter Defibrillators (ICD) for Secondary Prevention of Sudden Cardiac Death," ICD Cost Effectiveness Think Tank, Sponsored by Duke University, Washington, D.C., March 21-22, 2005.
98. "The Threat from Bioterrorism," Stanford Institute for International Studies, International Day, Stanford University, May 6, 2005.
99. "Cost effectiveness of screening for HIV in the era of highly active antiretroviral therapy in the United States," 14<sup>th</sup> International Conference on AIDS, Cancer, and Related Problems, St. Petersburg Russia, May 23-27, 2005.

100. "Future directions for screening policy for HIV", 2005 National HIV Prevention Conference, June 12-15, Atlanta, Georgia.
101. "Evaluating the Benefits and Costs of HIV Screening: Why Voluntary HIV Screening Should be Routinely Offered in Health Care Settings", University of California San Francisco, Department of Medicine Grand Rounds, September 8, 2005.
102. "Rating the Strength of a Body of Evidence", Evidence-Based Practice Centers Director's Meeting, Agency for Healthcare Research and Quality, Gaithersburg, Maryland, March 23, 2006.
103. "Is Screening for HIV Worth the Costs? Lessons from the United States," Freeman Spogli Institute for International Studies, Stanford University, April 20, 2006.
104. "Economic analysis and cost effectiveness of HIV screening," 2006 National Sexually Transmitted Disease Prevention Conference, May 10, 2006, Jacksonville, Florida.
105. "Preparing for bioterrorism: Does syndromic surveillance work?", A World At Risk, Second Annual International Conference, Freeman Spogli Institute for International Studies, November 16, 2006, Stanford University, Stanford, California.
106. "Translating Evidence into Policy and Practice," Judging the Evidence: Standards for Determining Clinical Effectiveness, A Workshop of the Institute of Medicine Roundtable on Evidence-Based Medicine, Institute of Medicine, February 5, 2007, Washington D.C.
107. "Evaluating the benefits and costs of HIV Screening: Why voluntary HIV screening should be routinely offered in health care settings," Infectious Disease Seminar, VA San Francisco Health Care System, San Francisco, California, February 7, 2007.
108. "Research in HSR&D," VA Health Services Research and Development National Meeting 2007, Arlington, Virginia, February 22, 2007.
109. "Biodefense", Annual Continuing Medical Education Symposium, Stanford University Medical Center Alumni Association, Stanford University, May 5, 2007.
110. "Grading Strength of Evidence for a Body of Literature," Evidence-Based Practice Centers Methods Meeting, Agency for Healthcare Research and Quality, Gaithersburg, Maryland, June 15, 2007.
111. "Screening Mammography in Women 40 to 49: Development of a Guideline from the American College of Physicians", Breast Cancer Grand Rounds, Stanford University, Stanford, California, August 10, 2007.
112. "Evidence-Based Comparative Effectiveness in the United States – Where Is It Going and What Role Should the Society for Medical Decision Making Play?," 29<sup>th</sup> Annual Meeting of the Society for Medical Decision Making, Pittsburgh, Pennsylvania, October 20, 2007.
113. "HIV in Russia: Drugs, Sex, and Democracy," Freeman Spogli Institute for International Studies, Stanford University, Stanford, California, November 15, 2007.
114. "The end of risk-based screening for HIV? Evaluating the costs and benefits of routine HIV screening in health care settings," Medicine Grand Rounds, VA Greater Los Angeles Healthcare System, Los Angeles, California, December 5, 2007.
115. "Do the benefits of screening mammography outweigh the harms in women 40 to 49 years of age? New recommendations from the American College of Physicians", Women's Health Medical Forum, Stanford University, Stanford, California, January 9, 2008.
115. "Anatomy of a guideline: The making (and remaking) of the new American College of Physicians' guideline on screening mammography in 40 to 49 year-old women. Research-in-Progress Seminar, Center for Primary Care and Outcomes Research, Stanford University, Stanford, California, January 16, 2007.

116. "Failing in many ways? Detection and response for anthrax bioterrorism," Center for International Security and Cooperation, Freeman Spogli Institute for International Studies, Stanford University, Stanford, California, January 22, 2008.

117. "The end of risk-based screening for HIV? The evidence for routine opt-out screening for HIV in health-care settings," Department of Medicine Grand Rounds, Stanford University, Stanford, California, January 23, 2008.

118. "Translation of research into practice: Cost effectiveness and infectious diseases," American College of Physicians Annual Meeting 2008, Washington D.C., May 15, 2008.

119. "Anatomy of a guideline: Systematic reviews and rating the quality of evidence and strength of recommendations," Agency for Healthcare Research and Quality, Washington D. C., September 8, 2008.

120. "Cost effectiveness and infectious disease: Is there a case for routine HIV screening?" Infectious Disease Citywide Conference, Ochsner Health System, New Orleans, Louisiana, February 20, 2009.

121. "The end of risk-based screening for HIV? The evidence for routine opt-out screening for HIV in health-care settings," Department of Medicine Grand Rounds, Louisiana State University, New Orleans, Louisiana, February 20, 2009.

## **Grants and Awards**

1. Grant Title: Policy Analysis of HIV Screening and Intervention

Principal Investigator: Margaret Brandeau

Project Management: Margaret Brandeau

Agency: University of California, Universitywide Task Force on AIDS

ID Number: AIDS R90ST020

Term: July 1990 to July 1992

Position: Co-investigator

2. Grant Title: Analysis of the performance of the polymerase chain reaction as a screening/ diagnostic test for human immunodeficiency virus infection

Principal Investigator: Douglas K. Owens

Project Management: Douglas K. Owens

Agency: VA Center for Health Care Evaluation: HSR&D Field Program, Palo Alto

ID Number: OWE0001

Term: March 1991 to September 1991

3. Grant Title: Screening for Human Immunodeficiency Virus

Principal Investigator: Douglas K. Owens

Project Management: Douglas K. Owens

Agency: Health Services Research and Development Service, Department of Veterans Affairs

ID Number: IIR #91-044

Term: July 1991 to October 1992

4. Grant Title: A Dissemination Model for Faculty Development to improve Ambulatory Care Education at Western Region VAMCs.

Principal Investigator: Douglas K. Owens, M.D.

Project Management: Georgette Stratos, Ph.D.

Agency: Department of Veterans Affairs

ID Number: ACE proposal 91-03

Term: January 1992 to December 1993

5. Grant Title: Cost-Effectiveness of HIV Screening

Principal Investigator: Douglas K. Owens

Project Management: Douglas K. Owens

Agency: VA Center for Health Care Evaluation: HSR&D Field Program, Palo Alto  
ID Number: OWE0001  
Term: March 1992 to September 1992

6. Grant Title: Evaluation of Diagnostic Tests for HIV Infection  
Principal Investigator: Douglas K. Owens  
Project Management: Douglas K. Owens  
Agency: NIH  
ID Number: 5P30 AI 27762-04  
Term: August 1992 to August 1993

7. Grant Title: Guidelines for HIV Screening  
Principal Investigator: Douglas K. Owens  
Project Management: Douglas K. Owens  
Agency: Agency for Health Care Policy and Research  
ID Number: 1 R03 HS07232-01  
Term: September 1992 to February 1994

8. Grant Title: Costs and Benefits of Screening for HIV Infection (Career Development Award)  
Principal Investigator: Douglas K. Owens  
Agency: VA Health Services Research and Development Service  
ID Number: 92-308A  
Term: October 1992 to September 1995

9. Grant Title: VA Ambulatory Care Fellowship Program  
Program Director: Douglas K. Owens  
Agency: VA Office of Academic Development  
Term: July 1993 to June 2007

10. Grant Title: Women, Adolescents and HIV Infection: Cost/Benefit Analysis  
Principal Investigator: Douglas K. Owens  
Agency: Universitywide AIDS Research Project, University of California  
Term: January 1993 to June 1994

11. Grant Title: Development and evaluation of a physician's computer workstation for use in the General Medical Clinic at the VA Medical Center, Palo Alto  
Principal Investigator: Douglas K. Owens  
Agency: Department of Veterans Affairs  
Term: October 1993 to September 1995

12. Grant Title: Cost-Effectiveness Analysis of Warfarin and Aspirin in Elderly Patients with Nonvalvular Atrial Fibrillation  
Principal Investigator: Douglas K. Owens  
Agency: Palo Alto Institute for Research and Education  
Term: October 1993 to September 1994

13. Grant Title: An Evaluation of the Costs and Benefits of Screening Inpatients for HIV Infection  
Principal Investigator: Douglas K. Owens  
Agency: Palo Alto Institute for Research and Education  
Term: May 1994 to April 1995

14. Grant Title: Cardiac Arrhythmia PORT  
Principal Investigator: Mark A. Hlatky  
Agency: Agency for Health Care Policy and Research  
ID Number: 1 R01 HS08362-01  
Term: 8/01/94 - 7/31/00  
Position: Co-investigator

15. Grant Title: VA Medical Informatics Postdoctoral Fellowship Program  
Program Director: Douglas K. Owens  
Agency: VA Office of Academic Development  
Term: July 1995 to June 2007
16. Grant Title: Prevention of Sudden Cardiac Death  
Principal Investigator: Douglas K. Owens  
Agency: VA Health Services Research and Development  
ID Number:  
Term: 10/1/95 to 9/30/99
17. Grant Title: Public Health Impact and Cost-Effectiveness of HIV Interventions  
Principal Investigator: Margaret Brandeau (Stanford subcontract), Douglas K. Owens (Co-Principal Investigator, Stanford subcontract)  
Agency: NIDA  
ID Number: 1-R01-DA09531  
Term: 6/15/96 to 4/30/2001
18. Grant Title: Cost effectiveness: Vaccine Interventions for Prevention of Gastric Cancer  
Principal Investigator: Douglas K. Owens; Julie Parsonnet (Co-Principal Investigator)  
Agency: Centers for Disease Control and Prevention  
ID Number: 97FED09763  
Term: 9/5/97 to 9/30/00
19. Grant Title: 18-F-Fluorodeoxyglucose (FDG) Positron Emission Tomography (PET) Imaging in Patients with Solitary Pulmonary Nodules (economic sub-study)  
Co-Investigator: Douglas K. Owens  
Agency: VA  
ID Number: VA Cooperative Study 327  
Term: 6/1/98 to 12/31/2004
20. Grant Title: Valley Fever Vaccine Project  
Principal Investigator: Douglas K. Owens  
Agency: Cal State Bakersfield Foundation  
ID Number: NA  
Term: 6/1/99 to 10/1/99
21. Grant Title: Identification of HIV Infection among Veterans  
Principal Investigator: Douglas K. Owens  
Agency: Department of Veterans Affairs  
ID Number: 99-047-1  
Term: 10/1/99 to 3/31/04
22. Grant Title: Evaluation of the cost effectiveness of a PET-FDG strategy before hepatic resection for colorectal metastases, Subcontract to Stanford: Diagnostic Simulation Model  
Principal Investigator: Gillian Sanders,  
Agency: BFG Funding Agency, Guy's and St. Thomas Hospital Trust  
Term: 4/1/99 to 9/30/00  
Position: Co-investigator
23. Grant Title: Computer-based guidelines to prevent sudden cardiac death  
Principal Investigator: Gillian Sanders; Co-Principal Investigator: Douglas K. Owens  
Agency: Agency for Healthcare Research and Quality  
ID Number: R01 HS10623-01A1  
Term: 9/30/00 to 8/31/03
24. Contract Title: Bioterrorism: Use of decision support systems.  
Principal Investigator: Douglas K. Owens

Agency: Agency for Healthcare Research and Quality  
ID Number: 290-97-0013  
Term: 9/30/00 to 9/29/02

25. Grant Title: Economic Substudy Tri-National Trial 1: Options in Management with Anti-Retrovirals (TNT-1: OPTIMA) VA Cooperative Study No. 512:  
Principal Investigator: Douglas K. Owens  
Agency: Department of Veterans Affairs  
ID Number: Cooperative Study 512  
Term: 4/1/01 to 3/31/07

26. Contract title: Stanford-UCSF Evidence Based Practice Center (Master Agreement)  
Principal Investigator: Douglas K. Owens  
Agency: Agency for Healthcare Research and Quality  
ID Number: 290-02-0017  
Term: 06/17/02-06/30/07

27. Grant Title: Making Better Decisions: Policy Modeling for AIDS and Drug Abuse  
Principal Investigator: Douglas K. Owens  
Agency: National Institutes of Health  
ID Number: 1 R01 DA15612-01  
Term: 9/25/02 to 6/30/07

28. Contract Title: Evidence Report on Regional Models for Bioterrorism Preparedness.  
Principal Investigator: Douglas K. Owens  
Agency: Agency for Healthcare Research and Quality  
ID Number: 290-97-0017  
Term: 11/30/02 to 5/29/04

29. Grant Title: Cost Effectiveness of HIV Screening and Treatment in the Elderly. Supplement to Center on the Economics and Demography of Health and Aging  
Principal Investigator: Douglas K. Owens (Supplement); Alan Garber, PI (Center on the Economics and Demography of Health and Aging)  
Agency: National Institutes of Health  
ID Number: 3 P30 AG17253-04S3  
Term: 9/30/02 to 6/30/04

30. Contract Title: Evidence Report on Best Practices for Quality Health Care.  
Principal Investigator: Douglas K. Owens  
Agency: Agency for Healthcare Research and Quality  
ID Number: 290-02-0017, Task Order No. 3  
Term: 5/30/03 to 5/30/07

31. Grant Title: Making Better Decisions: Policy Modeling for AIDS and Drug Abuse, Supplement 02 S1  
Principal Investigator: Douglas K. Owens  
Agency: National Institutes of Health  
ID Number: 1 R01 DA15612-01  
Term: 7/1/03 to 6/30/07

32. Grant Title: Improving HIV Screening with Nurse-Based Rapid Testing and Streamlined Counseling  
Principal Investigator: Steven Asch; Co-Principal Investigator: Douglas K. Owens  
Agency: Department of Veterans Affairs  
ID Number: IIR 04-023-1  
Term: 5/1/05 to 11/1/07

33. Contract title: Comparative effectiveness reviews for MMA Section 1013  
Principal Investigator: Douglas K. Owens

Agency: Agency for Healthcare Research and Quality  
ID Number: 290-02-0017, Task Order No. 5  
Term: 6/15/2005 to 9/30/08

34. Contract title: Diagnosis and Management of Pediatric Anthrax  
Principal Investigator: Douglas K. Owens  
Agency: Agency for Healthcare Research and Quality  
ID Number: 290-02-0017, Task Order No. 4  
Term: 5/16/2005 to 3/15//06

35. Grant Title: VA Physician Post-Residency Fellowship in Health Services Research and Development  
Principal Investigator: Douglas K. Owens (Program Director)  
Agency: VA Office of Academic Affairs  
Term: 7/1/2006 to 6/30/2011

36. Grant Title: VA Palo Alto Center for Translational Research in Chronic Viral Infections  
Principal Investigator: Mark Holdniy  
Agency: Department of Veterans Affairs  
Term: 10/1/2006 to 9/30/2010  
Role: Co-investigator

37. Grant Title: Making Better Decisions: Policy Modeling for AIDS and Drug Abuse  
Principal Investigator: Douglas K. Owens  
Agency: National Institutes of Health  
ID Number: 2 R01 DA15612-016  
Term: 7/9/07 to 6/30/12

## BIBLIOGRAPHY

**DOUGLAS K. OWENS, M.D., M.S.**

### Journal Articles

1. Coull BK, Owens DK and Cutler RWP. Release of amino acids into the vitreous in the intact albino rat: Effect of photic stimulation, potassium and ouabain. *Brain Research* 1981; 210:301-309.
2. Cochi SL, Markowitz LE, Joshi DD, Owens RC Jr, Stenhouse DH, Regmi DN, Shrestha RPB, Acharya IL, Manandhar M, Gurubacharya VL, Owens D, Reingold AL. Control of epidemic group A meningococcal meningitis in Nepal. *International Journal of Epidemiology* 1987; 16:91-97.
3. Haponik EF, Sox HC, Lillington G, Owens DK, Gottlieb J, Reichman L, Jordan T, Colice G. Decision analysis for chest clinicians (Symposium). *American Review of Respiratory Disease* 1988; 138:1058-1060.
4. Owens, DK, Sox HC Jr, Inouye SK. Strategies for test selection in the staging of lung neoplasms. *Seminars in Respiratory Medicine* 1989; 10:195-202.
5. Nease RF Jr, Owens DK, Sox HC Jr. Threshold analysis using diagnostic tests with multiple results. *Medical Decision Making* 1989; 9:91-103.
6. Nease RF, Owens DK. Assessment and representation of prior beliefs: Unexpected implications of the uniform distribution. *Medical Decision Making* 1990; 10:112-114.
7. Brandeau ML, Lee HL, Owens DK, Sox CH, Wachter RM. Policy analysis of human immunodeficiency virus screening and intervention: An overview of modeling approaches. *AIDS Public Policy Journal* 1990; 5: 119-131.
8. Brandeau ML, Lee HL, Owens DK, Sox CH, Wachter RM. A policy model of human immunodeficiency virus screening and intervention. *Interfaces* 1991; 21: 5-25.
9. Owens DK, Nease RF. Occupational exposure to human immunodeficiency virus (HIV) and hepatitis B (HBV): A comparative analysis of risk. *American Journal of Medicine* 1992; 92: 503-512.
10. Albright CL, Farquhar JW, Fortmann SP, Dachs DPL, Owens DK, Gottlieb L, Stratos GA, Bergen MR, Skeff KM. Impact of a clinical preventive medicine curriculum for primary care faculty: results of a dissemination model. *Preventive Medicine* 1992; 21: 419-435.
11. Brandeau ML, Owens DK, Sox CH, Wachter RM. Screening women of childbearing age for human immunodeficiency virus infection: A cost-benefit analysis. *Archives of Internal Medicine* 1992; 152: 2229-2237.
12. Brandeau ML, Owens DK, Sox CH, Wachter RM. Screening women of childbearing age for human immunodeficiency virus infection: A model-based policy analysis. *Management Science* 1993; 39: 72-92.
13. Owens DK, Nease RF. Development of outcome-based practice guidelines: A method for structuring problems and synthesizing evidence. *Joint Commission Journal on Quality Improvement* 1993; 19: 248-263.
14. Nease RF, Owens DK. A method for estimating the cost-effectiveness of incorporating patient preferences into practice guidelines. *Medical Decision Making* 1994; 14: 382-392.
15. Sanders GD, Owens DK, Padian N, Cardinalli AB, Sullivan AN, Nease RF. A computer-based interview to identify HIV risk behaviors and to assess patient preferences for HIV-related health states. *Journal of the American Medical Informatics Association* 1994; Annual Supplement: 20-24.
16. El-Sadr W, Oleske JM, Agins BD, Bauman K, Brosgart C, Brown GM, Geaga JV, Greenspan D, Hein K, Holzemer WL, Jackson RE, Lindsay MK, Makadon HJ, Moon MW, Nease RF Jr, Owens DK, Rappoport CA, Scott G, Shervington WW, Shulman LC, Wofsy CB. Managing early HIV infection. *American Family Physician* 1994; 49: 801-814.

17. Owens DK, Harris RA, Scott PMcJ, Nease RF. Screening surgeons for HIV infection: a cost-effectiveness analysis. *Annals of Internal Medicine* 1995; 122: 641-652.
18. Mason JJ, Owens DK, Harris RA, Cooke JP, Hlatky MA. The role of coronary angiography and coronary revascularization before non-cardiac vascular surgery. *Journal of the American Medical Association* 1995; 273: 1919-1925.
19. Rotman BL, Sullivan AN, McDonald T, DeSmedt P, Goodnature D, Higgins MC, Suermondt HJ, Young C, Owens DK. A randomized evaluation of a computer-based physician workstation: Design considerations and baseline results. *Journal of the American Medical Informatics Association* 1995; Annual Supplement: 693-697.
20. Sanders GD, Harris RA, Hlatky MA, Owens DK. Prevention of sudden cardiac death: a probabilistic model for decision support. *Journal of the American Medical Informatics Association* 1995; Annual Supplement 258-262.
21. Gage BF, Cardinalli AB, Albers GW, Owens DK. Cost-effectiveness of warfarin and aspirin for prophylaxis of stroke in patients with nonvalvular atrial fibrillation. *Journal of the American Medical Association* 1995; 274: 1839-1845.
22. Sanders GD, Dembitzer AD, Heidenreich PA, McDonald KM, Owens DK. Presentation and explanation of medical decision models using the world wide web. *Journal of the American Medical Informatics Association* 1996; Annual Supplement: 60-64.
23. Owens DK, Nease RF, Harris RA. Cost-effectiveness of human immunodeficiency virus (HIV) screening in acute-care settings. *Archives of Internal Medicine* 1996; 156: 394-404.
24. Owens DK, Holodniy M, Garber AM, Scott J, Sonnad S, Moses L, Kinosian B, Schwartz JS. The polymerase chain reaction for the diagnosis of HIV infection in adults: A meta-analysis with recommendations for clinical practice and study design. *Annals of Internal Medicine* 1996; 124: 803-815.
25. Owens DK, Holodniy M, McDonald TW, Scott J, Sonnad S. A meta-analytic evaluation of the polymerase chain reaction (PCR) for diagnosis of human immunodeficiency virus (HIV) infection in infants. *Journal of the American Medical Association*. 1996; 275:1342-1348.
26. Parsonnet J, Harris RA, Hack HH, Owens DK. Modeling cost effectiveness of *Helicobacter pylori* screening to prevent gastric cancer: a mandate for clinical trials. *Lancet*. 1996; 348: 150-154.
27. Gage BF, Cardinalli AB, Owens DK. The effect of stroke and stroke prophylaxis with aspirin or warfarin therapy on quality of life. *Archives of Internal Medicine* 1996; 156: 1829-1836.
28. Rotman BL, Sullivan AN, McDonald T, Brown BW, DeSmedt P, Goodnature D, Higgins MC, Suermondt HJ, Young C, Owens DK. A randomized controlled trial of a computer-based physician workstation in an outpatient setting: Implementation barriers to outcome evaluation. *Journal of the American Medical Informatics Association* 1996; 3:340-348.
29. Owens DK, Sanders GD, Harris RA, McDonald KM, Heidenreich PA, Dembitzer AD, Hlatky MA. Cost-effectiveness of implantable cardioverter defibrillators relative to amiodarone for prevention of sudden cardiac death. *Annals of Internal Medicine* 1997; 126:1-12.
30. Owens DK, Cardinalli AB, Nease RF. Physicians' assessments of the utility of health states associated with human immunodeficiency virus (HIV) and hepatitis B virus (HBV) infection. *Quality of Life Research* 1997; 6: 77-86.
31. Owens DK, Shachter RD, Nease RF. Representation and analysis of medical decision problems with influence diagrams. *Medical Decision Making* 1997; 17: 241-262.
32. Nease RF, Owens DK. Use of influence diagrams to structure medical decisions. *Medical Decision Making* 1997; 17: 263-275.

33. Stratos GA, Bergen MR, Albright CL, Skeff KM, Owens DK. Use of faculty development to improve ambulatory-care education. *Medical Teacher* 1997; 19: 285-292.
34. Owens DK, Nease RF. A normative analytic framework for development of practice guidelines for specific clinical populations. *Medical Decision Making* 1997; 17: 409-426.
35. Salpeter SR, Sanders GD, Salpeter EE, Owens DK. Monitored isoniazid prophylaxis for low-risk tuberculin reactors older than 35 years of age: A risk-benefit and cost-effectiveness analysis. *Annals of Internal Medicine* 1997; 127: 1051-1061.
36. Owens DK. Use of medical informatics to implement and develop practice guidelines. *Western Journal of Medicine* 1998; 168:166-175.
37. Owens DK. Patient preferences and the development of practice guidelines. *Spine* 1998; 23:1073-1079.
38. Edwards DM, Shachter RD, Owens DK. A dynamic HIV-transmission model for evaluating the costs and benefits of vaccine programs. *Interfaces* 1998; 28:144-166.
39. Owens DK, Brandeau ML, Sox CH. Effect of relapse to high-risk behavior on the costs and benefits of a program to screen women for human immunodeficiency virus (HIV). *Interfaces* 1998; 28:52-74.
40. Owens DK, Edwards DE, Shachter RD. Population effects of preventive and therapeutic HIV vaccines in early- and late-stage epidemics. *AIDS* 1998; 12:1057-1066.
41. Gage BF, Cardinalli AB, Owens DK. Cost effectiveness of preference-based antithrombotic therapy for patients who have nonvalvular atrial fibrillation. *Stroke* 1998; 29:1083-1091.
42. Koenig BA, Greely HT, McConnell LM, Silverberg HL, Raffin TA, and the members of the Breast Cancer Working Group of the Stanford Program in Genomics, Ethics, and Society. Genetic testing for BRCA1 and BRCA2: Recommendations of the Stanford Program in Genomics, Ethics, and Society. *Journal of Women's Health* 1998; 7:531-545.
43. Cheng CHF, Sanders GD, McDonald KM, Heidenreich PA, Hlatky MA, Owens DK. Design of a modular, extensible decision support system for arrhythmia therapy. *Journal of the American Medical Informatics Association* 1998; Annual Supplement: 693-697.
44. Zaric GS, Bayoumi AM, Brandeau ML, Owens DK. The effects of protease inhibitors on the spread of HIV and the development of drug-resistant HIV strains: a simulation study. *Simulation* 1998; 71:262-275.
45. McConnell LM, Sanders GD, Owens DK. Evaluation of genetic tests: APOE genotyping for the diagnosis of alzheimer disease. *Genetic Testing* 1999; 3: 47-53.
46. Sanders GD, Hagerty CG, Sonnenberg FA, Hlatky MA, Owens DK. Distributed decision support using a web-based interface: Prevention of sudden cardiac death. *Medical Decision Making* 1999; 19: 157-166.
47. Richter A, Brandeau ML, Owens DK. An analysis of optimal resource allocation for prevention of infection with human immunodeficiency virus (HIV) in injection drug users. *Medical Decision Making* 1999; 19: 167-179.
48. Bravata DM, Olkin I, Barnato AE, Keeffe EB, Owens DK. Health-related quality of life after liver transplantation: a meta-analysis. *Liver Transplantation and Surgery* 1999; 5:1-15.
49. Harris RA, Owens DK, Witherell H, Parsonnet J. Helicobacter pylori and gastric cancer: What are the benefits of screening only for the CagA phenotype of H. pylori? *Helicobacter* 1999; 4: 69-76.
50. Heidenreich PA, Masoudi FA, Maini B, Chou TM, Foster E, Schiller NB, Owens DK. Echocardiography in patients with suspected endocarditis: A cost-effectiveness analysis. *American Journal of Medicine* 1999; 107:198-208.

51. Rupnow MF, Owens DK, Shachter R, Parsonnet J. Helicobacter pylori vaccine development and use: a cost-effectiveness analysis using the Institute of Medicine methodology. *Helicobacter* 1999; 4: 272-280.
52. Vold-Pepper P, Owens DK. Cost effectiveness of the pneumococcal vaccine in the United States navy and marine corps. *Clinical Infectious Diseases* 2000; 30:157-164.
53. Sanders GD, Nease RF, Owens DK. Design and pilot evaluation of a system to develop computer-based site-specific practice guidelines from decision models. *Medical Decision Making* 2000; 20:145-159.
54. Rupnow MFT, Shachter RD, Owens DK, Parsonnet J. Using a dynamic transmission model to predict the future of H. pylori and associated diseases in the US. *Emerging Infectious Diseases* 2000; 6:228-37.
55. Sim I, Owens DK, Lavori PW, Rennels GD. Electronic trial banks: a complementary method for reporting randomized trials. *Medical Decision Making* 2000; 20:440-450.
56. Yock CA, Boothroyd DB, Owens DK, Winston C, Hlatky MA. Projected long-term costs of coronary stenting in multivessel coronary disease based on the experience of the Bypass Angioplasty Revascularization Investigation. *American Heart Journal* 2000; 140:556-564.
57. Gerson LB, Gage BF, Owens DK, Triadafilopoulos G. Effect and outcomes of the ASGE guidelines on the peri-endoscopic management of patients who take anticoagulants. *American Journal of Gastroenterology* 2000; 95:1717-24.
58. Cheng CHF, Sanders GD, Hlatky MA, Heidenreich PA, McDonald KM, Lee BK, Larson MS, Owens DK. Cost-effectiveness of radiofrequency ablation for supraventricular tachycardia. *Annals of Internal Medicine* 2000; 133: 864-876.
59. Zaric GS, Bayoumi AM, Brandeau ML, Owens DK. The cost effectiveness of voluntary prenatal and routine newborn HIV screening in the United States. *Journal of Acquired Immune Deficiency Syndromes* 2000; 25:403-416.
60. Bozzette SA, Phillips B, Asch S, Gifford AL, Lenert L, Menke T, Oritz E, Owens D, Deyton L. Quality Enhancement Research Initiative for human immunodeficiency virus/acquired immunodeficiency syndrome: framework and plan. HIV-QUERI Executive Committee. *Medical Care*. 2000; Jun;38(6 Suppl 1):I60-9.
61. Sanders GD, Nease RF, Owens DK. Publishing web-based guidelines using interactive decision models. *Journal of Evaluation in Clinical Practice* 2001; 7: 175-189.
62. Bravata DM, Olkin I, Barnato AE, Keeffe EB, Owens DK. Employment and alcohol use after liver transplantation for alcoholic and nonalcoholic liver disease: A systematic review. *Liver Transplantation* 2001; 7:191-203.
63. Barnato AE, Sanders GD, Owens DK. Cost effectiveness of a potential vaccine for *Coccidioides immitis*. *Emerging Infectious Diseases* 2001; 7:797-806.
64. Gould MK, Maclean CC, Kushner WG, Rydzak CE, Owens DK. Accuracy of positron emission tomography for diagnosis of pulmonary nodules and mass lesions: a meta-analysis. *Journal of the American Medical Association* 2001; 285:914-924.
65. Sanders GD, Hlatky MA, Every NR, McDonald KM, Heidenreich PA, Parsons LS, Owens DK. Potential cost effectiveness of prophylactic use of the implantable cardioverter defibrillator or amiodarone after myocardial infarction. *Annals of Internal Medicine* 2001; 135: 870-883.
66. Rupnow MFT, Shachter RD, Owens DK, Parsonnet J. Quantifying the population impact of a prophylactic Helicobacter pylori vaccine. *Vaccine* 2001; 20:879-85.

67. Owens DK, Sanders GD, Heidenreich PA, McDonald KM, Hlatky MA. Effect of risk stratification on the cost effectiveness of the implantable cardioverter defibrillator. *American Heart Journal* 2002; 144:440-448.
68. Pepper PV, Owens DK. Cost effectiveness of the pneumococcal vaccine in healthy younger adults. *Medical Decision Making* 2002; 22(Suppl):S45-S57.
69. Owens DK. Analytic tools for public-health decision making. *Medical Decision Making* 2002; 22(Suppl):S3-S10.
70. Gould MK, Sanders GD, Barnett PG, Maclean CC, Rydzak CE, McClellan MB, Owens DK. Cost effectiveness of alternative management strategies for patients with solitary pulmonary nodules. *Annals of Internal Medicine* 2003; 138:724-735.
71. Snow V, Weiss KB, Mottur-Pilson C, Clinical Efficacy Assessment Subcommittee of the American College of Physicians. The evidence base for tight blood pressure control in the management of type 2 diabetes mellitus. *Annals of Internal Medicine* 2003; 138: 587-592.
72. Yock CA, Boothroyd DB, Owens DK, Garber AM, Hlatky MA. Cost effectiveness of bypass surgery versus stenting in patients with multivessel coronary artery disease. *American Journal of Medicine* 2003; 115:382-389.
73. Gould MK, Kushner WG, Rydzak CE, Maclean CC, Demas AN, Shigemitsu H, Chan JK, Owens DK. Test performance of positron emission tomography and computed tomography for mediastinal staging in patients with non-small cell lung cancer: a meta analysis. *Annals of Internal Medicine* 2003; 139:879-92.
74. Snow V, Weiss KB, LeFevre M, McNamara R, Bass E, Green LA, Michl K, Owens DK, Susman J, Allen DI, Mottur-Pilson C, the Joint AAFP/ACP Panel on Atrial Fibrillation. Management of newly detected atrial fibrillation: a clinical practice guideline from the American Academy of Family Physicians and the American College of Physicians. *Annals of Internal Medicine* 2003; 139:1009-17.
75. Bravata DM, Sundaram V, McDonald KM, Smith WM, Szeto H, Schleinitz MD, Owens DK. Evaluating detection systems and diagnostic decision support systems for bioterrorism response. *Emerging Infectious Diseases* 2004; 10: 100-108.
76. Schleinitz MD, Socks DA, Weiss JP, Owens DK. Clopidogrel versus aspirin for secondary prophylaxis of thrombotic events: a cost-effectiveness analysis. *American Journal of Medicine* 2004; 116:797-806.
77. Bravata DM, McDonald KM, Szeto H, Smith WM, Rydzak C, Owens DK. A conceptual framework for evaluating information technologies and decision support systems for bioterrorism preparedness and response. *Medical Decision Making* 2004; 24:192-206.
78. Bravata DM, McDonald KM, Smith WM, Rydzak C, Szeto H, Buckeridge DL, Haberland C, Owens DK. Systematic review: surveillance systems for early detection of bioterrorism-related diseases. *Annals of Internal Medicine* 2004; 140:910-922.
79. Lin OS, Keeffe EB, Sanders GD, Owens DK. Cost effectiveness of screening for hepatocellular carcinoma in patients with cirrhosis secondary to chronic hepatitis C infection. *Alimentary Pharmacology and Therapeutics* 2004; 19:1159-72.
80. Snow V, Barry P, Fihn SD, Gibbons RJ, Owens DK, Williams SV, Weiss KB, Mottur-Pilson C. Evaluation of primary care patients with chronic stable angina: guidelines from the American College of Physicians. *Annals of Internal Medicine* 2004; 141:57-64.
81. Vij R, Triadafilopoulos G, Owens DK, Kunz P, Sanders GD. Cost effectiveness of photodynamic therapy for high-grade dysplasia in Barrett's esophagus. *Gastrointestinal Endoscopy* 2004; 60:739-56.
82. Snow V, Aronson MD, Hornbake ER, Mottur-Pilson C, Weiss KB, Clinical Efficacy Subcommittee of the American College of Physicians. Lipid control in the management of type 2 diabetes mellitus: a clinical practice guideline from the American College of Physicians. *Annals of Internal Medicine* 2004; 140:644-649.

83. Snow V, Barry P, Fihn SD, Gibbons RJ, Owens DK, Williams SV, Mottur-Pilson C, Weiss KB; American College of Physicians and American College of Cardiology Chronic Stable Angina Panel. Primary care management of chronic stable angina and asymptomatic suspected or known coronary artery disease: a clinical practice guideline from the American College of Physicians. *Annals of Internal Medicine* 2004; 141:562-7.
84. Groeneveld PW, Owens DK. Cost effectiveness of training unselected laypersons in cardiopulmonary resuscitation and defibrillation. *American Journal of Medicine* 2005; 118:58-67.
85. Hlatky MA, Sanders GD, Owens DK. Evidence-based medicine and policy: the case of the implantable cardioverter defibrillator. *Health Affairs* 2005; 24:42-51.
86. Sanders GD, Bayoumi AM, Sundaram V, Bilir SP, Neukermans CP, Rydzak CE, Douglass LR, Lazzeroni LC, Holodniy M, Owens DK. Cost effectiveness of screening for HIV in the era of highly active antiretroviral therapy. *New England Journal of Medicine* 2005; 352:570-585.
87. Fowler RA, Nouri B, Sanders GD, Bravata DM, Gastwirth JM, Peterson D, Broker AG, Garber AM, Owens DK. Cost effectiveness of defending against bioterrorism: a comparison of vaccination and antimicrobial prophylaxis against anthrax. *Annals of Internal Medicine* 2005; 142:601-610.
88. Bravata DM, McDonald KM, Shojania KG, Sundaram V, Owens DK. Challenges in systematic reviews: synthesis of topics related to the delivery, organization, and financing of healthcare. *Annals of Internal Medicine* 2005; 142: 1056-1065.
89. Snow V, Barry P, Fitterman N, Qaseem A, Weiss K, the Clinical Efficacy Assessment Subcommittee of the American College of Physicians. Pharmacologic and surgical management of obesity in primary care: a clinical practice guideline from the American College of Physicians. *Annals of Internal Medicine* 2005; 142:525-531.
90. Buckeridge DL, Switzer P, Owens D, Siegrist D, Pavlin J, Musen M. An evaluation model for syndromic surveillance: assessing the performance of a temporal algorithm. In *Syndromic Surveillance: Reports from a National Conference, 2004*. *MMWR* 2005; 54(Suppl):109-115.
91. Sanders GD, Hlatky MA, Owens DK. Cost effectiveness of the implantable cardioverter defibrillator (ICD) in primary prevention of sudden death. *New England Journal of Medicine* 2005; 353:1471-8.
92. Qaseem A, Aronson M, Fitterman N, Snow V, Weiss KB, Owens DK, the Clinical Efficacy Assessment Subcommittee of the American College of Physicians. Screening for hereditary hemochromatosis: A clinical practice guideline from the American College of Physicians. *Annals of Internal Medicine* 2005; 143:517-21.
93. Holtz J-EC, Bravata DM, Liu H, Olshen RA, McDonald KM, Owens DK. Systematic review: a century of inhalational anthrax cases from 1900 to 2005. *Annals of Internal Medicine* 2006; 144: 270-280.
94. Guyatt G, Baumann M, Pauker S, Halperin J, Maurer J, Owens DK, Tosteson ANA, Carlin B, Gutterman D, Prins M, Lewis SZ, Schünemann H. Addressing resource allocation issue in recommendations from clinical practice guideline panels. *Chest* 2006; 129:182-187.
95. Honiden S, Sundaram V, Nease RF, Holodniy M, Lazzeroni LC, Zolopa A, Owens DK. The effect of diagnosis with HIV infection on quality of life. *Quality of Life Research* 2006; 15:69-82.
96. Walsh JME, McDonald KM, Shojania KG, Sundaram V, Nayak S, Lewis R, Owens DK, Goldstein MK. Quality improvement strategies for hypertension management: a systematic review. *Medical Care* 2006; 44:646-57.
97. Liu H, Michaud K, Nayak S, Karpf DB, Owens DK, Garber AM. The cost effectiveness of parathyroid hormone and alendronate in high-risk osteoporotic women. *Archives of Internal Medicine* 2006; 166:1209-1217.
98. Nayak S, Olkin I, Liu H, Grabe M, Gould MK, Allen IA, Owens DK, Bravata DM. Accuracy of calcaneal quantitative ultrasound for identifying patients meeting the World Health Organization's diagnostic criteria for osteoporosis: a systematic review. *Annals of Internal Medicine* 2006; 144: 832-841.

99. Qaseem A, Snow V, Fitterman N, Hornbake ER, Lawrence VA, Smetana GW, Weiss K, and Owens DK for the Clinical Efficacy Assessment Subcommittee of the American College of Physicians. Risk assessment for and strategies to reduce perioperative pulmonary complications for patients undergoing non-cardiothoracic surgery: a guideline from the American College of Physicians. *Annals of Internal Medicine* 2006; 144:575-580.
100. Long EF, Brandeau ML, Vinichenko T, Tole SP, Schwartz A, Sanders GD, Owens DK. Effectiveness and cost-effectiveness of strategies to expand antiretroviral therapy in St. Petersburg, Russia. *AIDS* 2006; 20:2207-2215.
101. Shojania KG, Ranji SR, McDonald KM, Grimshaw JM, Shaw LK, Rushakoff RJ, Owens DK. The effects of specific quality improvement strategies on diabetic glycemic control: a meta-analysis. *Journal of the American Medical Association* 2006; 296:427-440.
102. Bravata DM, Zaric GS, Holty JEC, Brandeau ML, Wilhelm ER, McDonald KM, Owens DK. Reducing mortality from anthrax bioterrorism: strategies for stockpiling and dispensing medical and pharmaceutical supplies. *Biosecurity and Bioterrorism* 2006; 4:244-62.
103. Buckeridge DL, Owens DK, Switzer P, Frank J, Musen MA. Evaluating detection of an inhalational anthrax outbreak. *Emerging Infectious Diseases* 2006; 12:1942-1949.
104. Hlatky MA, Owens DK, Sanders GD. Cost effectiveness as an outcome in randomized clinical trials. *Clinical Trials (London, England)*. 2006; 3:543-51.
105. Bravata DM, Wang E, Holty JEC, Lewis R, Wise PH, McDonald KM, Owens DK. Inhalational, gastrointestinal, and cutaneous anthrax in children: a systematic review of cases from 1900 to 2005. *Archives of Pediatrics and Adolescent Medicine* 2007; 161:896-905.
106. Owens DK, Sundaram V, Lazzeroni LC, Douglass LR, Tempio P, Holodniy M, Sanders GD, Shadle VM, McWhorter VC, Agoncillo T, Haren N, Chavis D, Borowsky LH, Yano EM, Jensen P, Simberkoff M, Bozzette SA. HIV testing and screening in an integrated health care system. *Journal of General Internal Medicine* 2007; 22:315-320.
107. Qaseem A, Snow V, Barry P, Hornbake ER, Rodnick JE, Tobolic T, Ireland B, Segal J, Bass E, Weiss KB, Green L, Owens DK. Current diagnosis of venous thromboembolism in primary care: a clinical practice guideline from the American Academy of Family Physicians and the American College of Physicians. *Annals of Family Medicine* 2007; 5:57-62.
- Also published as: Qaseem A, Snow V, Barry P, Hornbake ER, Rodnick JE, Tobolic T, Ireland B, Segal J, Bass EB, Weiss KB, Green L, Owens DK, Joint American Academy of Family Physicians/American College of Physicians Panel on Deep Venous Thrombosis/Pulmonary Embolism.. Current diagnosis of venous thromboembolism in primary care: a clinical practice guideline from the American Academy of Family Physicians and the American College of Physicians. *Annals of Internal Medicine* 2007; 146:454-458.
108. Snow V, Qaseem A, Barry P, Hornbake ER, Rodnick JE, Tobolic T, Ireland B, Segal JB, Weiss KB, Green L, Owens DK. Management of venous thromboembolism: a clinical practice guideline from the American College of Physicians and the American Academy of Family Physicians . *Annals of Internal Medicine* 2007; 146: 204-210.
- Also published as: Snow V, Qaseem A, Barry P, Hornbake ER, Rodnick JE, Tobolic T, Ireland B, Segal JB, Weiss KB, Green L, Owens DK. Management of venous thromboembolism: a clinical practice guideline from the American College of Physicians and the American Academy of Family Physicians. *Annals of Family Medicine* 2007; 5:74-80.
109. Qaseem A, Snow V, Sherif K, Aronson M, Weiss KB, Owens DK for the Clinical Efficacy Assessment Subcommittee of the American College of Physicians. Screening mammography for women between age 40 and 49: a clinical practice guideline from the American College of Physicians. *Annals of Internal Medicine* 2007; 146:511-515.

109. Chou R, Qaseem A, Snow V, Casey D, Cross T, Shekelle P, Owens DK. Diagnosis and treatment of lower back pain: a clinical practice guideline from the American College of Physicians. *Annals of Internal Medicine* 2007; 147:478-491.
110. Bravata DM, Gienger AL, McDonald KM, Sundaram V, Perez M, Varghese R, Kapoor JR, Ardehali R, Owens DK, Hlatky MA. The comparative effectiveness of percutaneous coronary interventions and coronary artery bypass surgery: a systematic review. *Annals of Internal Medicine* 2007; 147:703-716.
111. Owens DK, Sundaram V, Lazzeroni LC, Douglass LR, Sanders GD, Taylor K, VanGroningen R, Shadle VM, McWhorter VC, Agoncillo T, Haren N, Nyland J, Tempio P, Khayr W, Dietzen D, Jensen P, Simberkoff MS, Bozzette SA, Holodniy M. The prevalence of HIV-1 infection among inpatients and outpatients in Department of Veterans Affairs Health Care Systems: implications for screening programs for HIV. *American Journal of Public Health* 2007; 97:2173-2178.
112. Andersson KM, Owens DK, Vardas E, Gray GE, McIntyre JA, Paltiel AD. Predicting the impact of a partially effective HIV vaccine and subsequent risk behavior change on the heterosexual HIV epidemic in low- and middle-income countries: a South African example. *Journal of Acquired Immune Deficiency Syndromes* 2007; 46:78-90.
113. Qaseem A, Vijan S, Snow V, Cross T, Weiss KB, Owens DK. Glycemic control and type 2 diabetes mellitus: the optimal A1c targets. A guidance statement from the American College of Physicians. *Annals of Internal Medicine* 2007; 147:417-422.
114. Qaseem A, Snow V, Shekelle P, Sherif K, Wilt TJ, Weinberger S, Owens DK. Diagnosis and management of stable chronic obstructive pulmonary disease: a clinical practice guideline from the American College of Physicians. *Annals of Internal Medicine* 2007; 147:633-638.
115. Brandeau ML, Hutton DW, Owens DK, Bravata DM. Planning the bioterrorism response supply chain: learn and live. *American Journal of Disaster Medicine* 2007; 2: 231-247.
116. Schultz EM, Sanders GD, Trotter PR, Patz EF, Silvestri GA, Owens DK, Gould MK. Validation of two models to estimate the probability of malignancy in patients with solitary pulmonary nodules. *Thorax* 2008; 63:335-341.
117. Zaric GS, Bravata DM, Holty JEC, McDonald KM, Owens DK, Brandeau ML. Modeling the logistics of response to anthrax bioterrorism. *Medical Decision Making* 2008; 28:332-350.
118. Qaseem A, Snow V, Shekelle P, Casey D, Cross T, Owens DK. Evidence-based Interventions to improve palliative care of pain, dyspnea, and depression at the end of life: A clinical practice guideline from the American College of Physicians. *Annals of Internal Medicine* 2008; 148:141-146.
119. Zaric GS, Bayoumi AM, Brandeau ML, Owens DK. The cost effectiveness of counseling strategies to improve adherence to highly active antiretroviral therapy (HAART) in men who have sex with men. *Medical Decision Making* 2008; 28: 359-376.
121. Qaseem A, Snow V, Cross TJ, Forciea MA, Hopkins R, Shekelle P, Adelman A, Mehr D, Schellhase K, Campos-Outcalt D, Owens DK. Current pharmacologic treatment of dementia: a clinical practice guideline from the American Academy of Family Physicians and the American College of Physicians. *Annals of Internal Medicine* 2008; 148:370-378.
120. Bendavid E, Young SD, Bayoumi AM, Sanders GD, Katzenstein DA, Owens DK. Cost effectiveness of HIV monitoring strategies in resource-limited settings. *Archives of Internal Medicine* 2008; 168:1910-1918.
121. Sanders GD, Bayoumi AM, Holodniy M, Owens DK. Cost effectiveness of HIV screening in patients older than 55 years of age. *Annals of Internal Medicine* 2008; 148:889-903.
122. Desai AA, Baras J, Berk BB, Nakajima A, Garber AM, Owens D, Chertow GM. Management of acute renal failure in the intensive care unit: a cost-effectiveness analysis of daily vs alternate-day hemodialysis. *Archives of Internal Medicine* 2008; 168:1761-1767.

123. Walsh JME, Sundaram V, McDonald K, Owens DK, Goldstein MK. Implementing effective hypertension quality improvement strategies: barriers and potential solutions. *Journal of Clinical Hypertension* 2008; 10:311-316.
124. Qaseem A, Snow V, Shekelle P, Hopkins R, Forciea MA, Owens DK, for the Clinical Efficacy Assessment Subcommittee of the American College of Physicians. Screening for osteoporosis in men: A clinical practice guideline from the American College of Physicians. *Annals of Internal Medicine* 2008; 148:680-84.
125. Qaseem A, Snow V, Shekelle P, Denberg T, Forciea MA, Owens DK. Pharmacologic treatment of depressive disorders using second-generation antidepressants: A clinical practice guideline from the American College of Physicians. *Annals of Internal Medicine* 2008; 149:725-733.
126. Anaya HD, Hoang T, Golden JF, Goetz MB, Gifford A, Bowman C, Osborn T, Owens DK, Sanders GD, Asch SM. Improving HIV screening and receipt of results by nurse-initiated streamlined counseling and rapid testing. *Journal of General Internal Medicine* 2008; 23:800-807.
127. Kapoor JR, Gienger AL, Ardehali R, Varghese R, Perez MV, McDonald KM, Owens DK, Hlatky MA, Bravata DM. Isolated disease of the proximal left anterior descending artery: Comparing the effectiveness of percutaneous coronary interventions and coronary artery bypass surgery. *Journal of the American College of Cardiology: Cardiovascular Interventions*. *Journal of the American College of Cardiology Cardiovascular Interventions* 2008; 1: 483-491.
128. Qaseem A, Snow V, Shekelle P, Hopkins R, Forciea MA, Owens DK. Pharmacologic treatment of low bone density or osteoporosis to prevent fractures: A clinical practice guideline from the American College of Physicians. *Annals of Internal Medicine* 2008; 149:404-415.
129. Tole SP, Sanders GD, Bayoumi AM, Galvin CM, Vinichenko TN, Brandeau ML, Owens DK. Cost effectiveness of voluntary HIV screening in Russia. *International Journal of STD and AIDS* 2009; 20:46-51.
130. Qaseem A, Snow V, Shekelle P, Hopkins R, Owens DK, for the Clinical Efficacy Assessment Subcommittee of the American College of Physicians. Screening for HIV in health care settings: A guidance statement from the American College of Physicians. *Annals of Internal Medicine* 2009; 150:125-131.
131. Bravata DM, Gienger AL, Holty JEC, Sundaram V, McDonald KM, Owens DK. Quality improvement strategies for children with asthma: a systematic review. *Archives of Pediatrics and Adolescent Medicine* 2009; (in press).
132. Joyce VR, Barnett PG, Bayoumi AM, Griffin SC, Kyriakides TC, Yu W, Sundaram V, Holodniy M, Brown ST, Cameron W, Youle M, Sculpher M, Anis AH, Owens DK. Health-related quality of life in a randomized trial of antiretroviral therapy for advanced HIV disease. *Journal of the Acquired Immunodeficiency Syndrome* 2009; 50:27-36.
133. Sundaram V, Lazzeroni LC, Douglass LR, Sanders GD, Tempio P, Owens DK. A randomized trial of computer-based reminders and audit and feedback to improve HIV screening in a primary care setting. *International Journal of STD and AIDS* 2009 (in press).
134. Owens DK, Lohr KN, Helfand M, Atkins D, Treadwell JR, Reston JT, Bass EB. Grading the strength of a body of evidence when comparing medical interventions – AHRQ and the effective health care program. (under review)
135. Chou R, Loeser JD, Owens DK, Rosenquist RW, Atlas SJ, Carragee EJ, Grabois M, Murphy DR, Resnick DK, Stanos SP, Shaffer WO, Wall EM for the American Pain Society Low Back Pain Guideline Panel. Interventional therapies, surgery, and interdisciplinary rehabilitation for low back pain: an evidence-based clinical practice guideline from the American Pain Society. *Spine* 2009; (in press).
136. Hlatky MA, Boothroyd DB, Bravata DM, Boesma E, Booth J, Brooks MM, Carrié D, Clayton TC, Danchin N, Flather M, Hueb WA, Kahler J, Kelsey SF, King SB, Kosinski AS, Lopes N, McDonald KM, Rodriguez A, Serruys P, Sigwart U, Stables RH, Owens DK, Pocock SJ. Comparative effectiveness of coronary bypass surgery and

percutaneous coronary interventions for multivessel disease: a collaborative of individual patient data from ten randomized trials. *Lancet* 2009; (in press).

137. Rupnow MFT, Chang AH, Shachter RD, Owens DK, Parsonnet J. Cost effectiveness of a potential prophylactic *Helicobacter pylori* vaccine. (under review)

138. Khazeni N, Hutton DW, Garber AM, Owens DK. Effectiveness and cost effectiveness of antiviral prophylaxis and adjuvanted prime boost vaccine strategies for an influenza pandemic. (under review).

139. Caughey AB, Sundaram V, Kaimal AJ, Gienger A, Cheng YW, McDonald KM, Shaffer BL, Owens DK, Bravata DM. Is elective induction of labor safe and effective? A systematic review. (under review).

140. Andersson KM, Owens DK, Paltiel AD. The potential benefits of expanded adult male circumcision programs in Africa: predicting the population-level impact on heterosexual HIV transmission in Soweto. (under review)

141. Bendavid E, Wood R, Katzenstein DA, Bayoumi AM, Owens DK. Expanding antiretroviral options in resource-limited settings – a cost-effectiveness analysis. (under review).

142. Young S, Monin B, Owens DK. Opt-out testing for stigmatized diseases: a social psychological approach for understanding the potential effect of recommendations for routine HIV testing. (under review).

143. Sanders GD, Anaya HD, Asch S, Hoang T, Golden JF, Bayoumi AM, Owens DK. Cost effectiveness of strategies to improve HIV testing and receipt of results: Economic analysis of a randomized trial. (under review).

144. Nosyk B, Sun H, Bansback N, Guh D, Li X, Barnett P, Bayoumi A, Griffin S, Joyce V, Holodniy M, Owens DK, Anis AH. The validity and responsiveness of the health utilities index (HUI 3) among patients with advanced HIV/AIDS. (under review)

145. Long EF, Brandeau ML, Owens DK. Potential population health outcomes and expenditures of HIV vaccination strategies in the United States. (under review).

#### **Other Research Articles**

1. Richter A, Brandeau ML, Owens DK. Policy analysis of preventive HIV interventions targeted to adolescents. In: *Simulation in the Medical Sciences Conference: Proceedings of the 1996 Western Multiconference*, Society for Computer Simulation, San Diego, CA, January 14-17, 1996; 55-63.

2. Zaric GS, Brandeau ML, Bayoumi AM, Owens DK. Simulating the effects of protease inhibitors on the HIV epidemic: Treatment, compliance, and drug resistance. In: Anderson JG, Katzper M, Eds. *Proceedings of the 1998 Medical Sciences Simulation Conference*. 1998 Western Multiconference, San Diego, CA, January 11-14, 1998; 65-72.

3. Hlatky MA, Owens DK. Cost-effectiveness of the implantable cardioverter defibrillator. *Cardiac Electrophysiology Review* 1998; 2:319-321.

4. Hlatky MA, Owens DK. Cost-effectiveness of the implantable cardioverter defibrillator. *Cardiac Electrophysiology Review* 2001; 5: 105-107.

5. Bravata DM, Keeffe EB, Owens DK. Quality of life, employment, and alcohol use after liver transplantation. *Current Opinions in Organ Transplantation* 2001; 6:130-141.

6. Heidenreich PA, Cheng CHF, Sander GD, Hlatky MA, McDonald KM, Lee BK, Larson MS, Owens DK. Radiofrequency ablation for supraventricular tachycardia. *Cardiology Review* 2001; 18:8-13.

7. Hlatky MA, Sanders GD, Owens DK. Cost-effectiveness of the implantable cardioverter defibrillator. *Cardiac Electrophysiology Review* 2003; 7:479-482.

### Books, Book Chapters, and Monographs

1. Sox H, Stern S, Owens D, Abrams HL. Assessment of Diagnostic Technology in Health Care. Monograph of the Council on Health Care Technology, Institute of Medicine. Washington D.C.: National Academy Press, 1989.
2. Owens DK, Sox HC Jr. Medical Decision Making: Probabilistic Medical Reasoning. In: Shortliffe EH, Perreault LE, Fagan LM, Wiederhold G, eds. Medical Informatics: Computer Applications in Health Care. Reading, MA: Addison-Wesley, 1990:70-116.
3. Owens DK, Nease RF. Transmission of human immunodeficiency virus (HIV) infection between provider and patient: A quantitative analysis of risk. In: Kaplan EH, Brandeau ML, eds. Modeling the AIDS Epidemic: Planning, Policy and Prediction. New York: Raven Press, 1994:153-177.
4. Brandeau ML, Owens DK. When women return to risk: Costs and benefits of HIV screening in the presence of relapse. In: Kaplan EH, Brandeau ML, eds. Modeling the AIDS Epidemic: Planning, Policy and Prediction. New York: Raven Press, 1994:121-136.
5. Garber AM, Owens DK. Paying for evaluative research. In: Gelijns AC, Dawkins HV, eds. Medical Innovations at the Crossroads, Volume IV: Adopting New Medical Technology. Washington, D.C.: National Academy Press, 1994:172-192.
6. Owens DK. Economic evaluations of HIV screening. In: Holtgrave DR, ed. Handbook of HIV Prevention Policy Analysis. New York: Plenum, 1998: 81-101.
7. Owens DK, Sox HC. Medical decision making: Probabilistic medical reasoning. In: Shortliffe EH, Perreault LE, Wiederhold G, Fagan LM, eds. Medical Informatics: Computer Applications in Health Care and Biomedicine. New York: Springer-Verlag 2000: 76-131.
8. Friedman CP, Owens DK, Wyatt J. Evaluation and technology assessment. In: Shortliffe EH, Perreault LE, Wiederhold G, Fagan LM, eds. Medical Informatics: Computer Applications in Health Care and Biomedicine. New York: Springer-Verlag 2000: 282-325.
9. Owens DK, Edwards DM, Shachter RD. Costs and benefits of imperfect HIV vaccines: Implications for vaccine development and use. In: Kaplan EH, Brookmeyer R, eds. Quantitative Evaluation of HIV Prevention Programs. Yale Press, 2001: 143-171.
10. Bravata DM, McDonald K, Owens DK, Buckeridge D, Haberland C, Rydzak C, Schleinitz M, Smith WM, Szeto H, Wilkening D, Musen M, Duncan BW, Nouri B, Dangiolo MB, Liu H, Shofer S, Graham J, Davies S. Bioterrorism Preparedness and Response: Use of Information Technologies and Decision Support Systems (Evidence Report/Technology Assessment No. 59, Prepared by University of California San Francisco-Stanford University Evidence-based Practice Center under Contract No. 290-97-0013). AHRQ Publication No. 02-E028. Rockville, MD: Agency for Healthcare Research and Quality. June 2002.
11. Owens DK, Edwards DM, Cavallaro JF, Shachter RD. The cost effectiveness of partially effective HIV vaccines. In: Brandeau ML, Sainfort F, and Pierskalla WP, Eds. *Operations Research and Health Care: A Handbook of Methods and Applications*, Kluwer Academic Publishers, 2004:403-418.
12. Shojania KG, McDonald KM, Wachter RM, Owens DK. Closing the Quality Gap: A Critical Analysis of Quality Improvement Strategies, Volume 1—Series Overview and Methodology. Technical Review 9 (Contract No. 290-02-0017 to the Stanford University—UCSF Evidence-based Practice Center). AHRQ Publication No. 04-0051-1. Rockville, MD: Agency for Healthcare Research and Quality. August 2004.
13. Wachter RM, Owens DK. Chapter 1: An introduction to the report. In: Shojania KG, McDonald KM, Wachter RM, Owens DK. Closing the Quality Gap: A Critical Analysis of Quality Improvement Strategies, Volume 1—Series Overview and Methodology. Technical Review 9 (Contract No. 290-02-0017 to the Stanford University—

University of California San Francisco Evidence-based Practice Center). AHRQ Publication No. 04-0051-1. Rockville, MD: Agency for Healthcare Research and Quality. August 2004.

14. Shojania KG, McDonald KM, Owens DK. Chapter 2: Evidence-based review methodology for the closing the quality gap series. In: Shojania KG, McDonald KM, Wachter RM, Owens DK. Closing the Quality Gap: A Critical Analysis of Quality Improvement Strategies, Volume 1—Series Overview and Methodology. Technical Review 9 (Contract No. 290-02-0017 to the Stanford University—University of California San Francisco Evidence-based Practice Center). AHRQ Publication No. 04-0051-1. Rockville, MD: Agency for Healthcare Research and Quality. August 2004.

15. Shojania KG, Ranji S, Shaw LK, Charo LN, Lai JC, Rushakoff RJ, McDonald KM, Owens DK. Diabetes mellitus care. Vol 2 of: Shojania KG, McDonald KM, Wachter RM, Owens DK. Closing the Quality Gap: A Critical Analysis of Quality Improvement Strategies. Technical Review 9 (Contract No. 290-02-0017 to the Stanford University - University of California San Francisco Evidence-based Practice Center). AHRQ Publication No. 04-0051-2. Rockville, MD: Agency for Healthcare Research and Quality. September 2004.

16. Bravata DM, McDonald KM, Owens DK, Wilhelm ER, Brandeau ML, Zaric GS, Holty JEC, Liu H, Sundaram V. Regionalization of Bioterrorism Preparedness and Response. Evidence Report/Technology Assessment No. 96. (Prepared by the Stanford University—University of California San Francisco Evidence-based Practice Center under Contract No. 290-02-0017). AHRQ Publication No. 04-E016-2. Rockville, MD: Agency for Healthcare Research and Quality. April 2004.

17. Walsh J, McDonald KM, Shojania KG, Sundaram V, Nayak S, Davies S, Lewis R, Mechanic J, Sharp C, Henne M, Shah B, Chan JK, Owens DK, Goldstein MK. Hypertension care. Volume 3 of: Shojania KG, McDonald KM, Wachter RM, Owens DK. Closing the Quality Gap: A Critical Analysis of Quality Improvement Strategies. Technical Review 9 (Prepared by the Stanford University—UCSF Evidence-based Practice Center, under Contract No. 290-02-0017). AHRQ Publication No. 04-0051-3. Rockville, MD: Agency for Healthcare Research and Quality. January 2005.

18. Owens DK, Sox HC. Biomedical decision making: probabilistic reasoning. In: Shortliffe EH, Cimino JJ. Biomedical Informatics: Computer Applications in Health Care and Biomedicine, New York: Springer-Verlag 2006: 80-132.

19. Friedman CP, Wyatt JC, Owens DK. Evaluation and technology assessment. In: Shortliffe EH, Cimino JJ. Biomedical Informatics: Computer Applications in Health Care and Biomedicine, New York: Springer-Verlag 2006: 403-443.

20. Ranji SR, Steinman MA, Shojania KG, Sundaram V, Lewis R, Arnold S, Gonzales R. Antibiotic Prescribing Behavior. Vol 4 of: Shojania KG, McDonald KM, Wachter RM, Owens DK. Closing the Quality Gap: A Critical Analysis of Quality Improvement Strategies, Technical Review 9 (Prepared by the Stanford University - UCSF Evidence-based Practice Center under Contract No. 290-02-0017). AHRQ Publication No. 04(06)-0051-4. Rockville, MD: Agency for Healthcare Research and Quality. January 2006.

22. Bravata DM, Wang E, Holty J-E, Lewis R, Wise PH, Nayak S, Liu H, McDonald KM, Owens DK. Pediatric Anthrax: Implications for Bioterrorism Preparedness. Evidence Report/Technology Assessment No. 141 (Prepared by Stanford University-UCSF Evidence-based Practice Center under Contract No. 290-02-0017). AHRQ Publication No. 06-E013. Rockville, MD: Agency for Healthcare Research and Quality. August 2006.

23. Bravata DM, Sundaram V, Lewis R, Gienger A, Gould MK, McDonald KM, Wise PH, Holty J-EC, Hertz K, Paguntalan H, Sharp C, Kim J, Wang E, Chamberlain L, Shieh L, Owens DK. Asthma Care. Vol 5 of: Shojania KG, McDonald KM, Wachter RM, Owens DK, editors. Closing the Quality Gap: A Critical Analysis of Quality Improvement Strategies. Technical Review 9 (Prepared by the Stanford University-UCSF Evidence-based Practice Center under Contract No. 290-02-0017). AHRQ Publication No. 04(07)-0051-5. Rockville, MD: Agency for Healthcare Research and Quality. January 2007.

24. Ranji SR, Shetty K, Posley KA, Lewis R, Sundaram V, Galvin CM, Winston LG. Prevention of Healthcare-Associated Infections. Vol 6 of: Shojania KG, McDonald KM, Wachter RM, Owens DK, editors. Closing the Quality Gap: A Critical Analysis of Quality Improvement Strategies. Technical Review 9 (Prepared by the Stanford

University-UCSF Evidence-based Practice Center under Contract No. 290-02-0017). AHRQ Publication No. 04(07)-0051-6. Rockville, MD: Agency for Healthcare Research and Quality. January 2007.

25. McDonald KM, Sundaram V, Bravata DM, Lewis R, Lin N, Kraft S, McKinnon M, Paguntalan H, Owens DK. Care Coordination. Vol 7 of: Shojania KG, McDonald KM, Wachter RM, Owens DK, editors. Closing the Quality Gap: A Critical Analysis of Quality Improvement Strategies. Technical Review 9 (Prepared by the Stanford University-UCSF Evidence-based Practice Center under Contract No. 290-02-0017). AHRQ Publication No. 04(07)-0051-7. Rockville, MD: Agency for Healthcare Research and Quality. June 2007.

26. Bravata DM, McDonald KM, Gienger AL, Sundaram V, Perez MV, Varghese R, Kapoor JR, Ardehali R, McKinnon MC, Stave CD, Owens DK, Hlatky MA. Comparative Effectiveness of Percutaneous Coronary Interventions and Coronary Artery Bypass Grafting for Coronary Artery Disease. Comparative Effectiveness Review No. 9. (Prepared by Stanford-UCSF Evidence-based Practice Center under Contract No. #290-02-0017.) Rockville, MD: Agency for Healthcare Research and Quality. October 2007. Available at: [www.effectivehealthcare.ahrq.gov/reports/final.cfm](http://www.effectivehealthcare.ahrq.gov/reports/final.cfm)

27. Brandeau ML, Long EF, Hutton DW, Owens DK. Optimal spending on HIV prevention and treatment: A framework for evaluating the cost effectiveness of HIV prevention and treatment programs with example applications to The India AIDS Initiative. In: Lim GJ, Lee EK (Eds.) Optimization in Medicine and Biology. Taylor and Francis Publishers, Boca Raton, Florida, 2008 147-175.

28. Caughey AB, Sundaram V, Kaimal AJ, Cheng YW, Gienger A, Little SE, Lee JF, Wong L, Shaffer BL, Tran SH, Padula A, McDonald KM, Long EF, Owens DK, Bravata DM. Maternal and Neonatal Outcomes of Elective Induction of Labor: A Systematic Review and Cost-Effectiveness Analysis. Technical Review ##. Stanford University—UCSF Evidence-based Practice Center, Agency for Healthcare Research and Quality. Contract No. **290-02-0017** 2009 (in press).

### **Editorials, Commentaries, and Letters**

1. Wachter RM, Cooke M, Brandeau ML, Owens DK. HIV testing of pregnant women and newborns [Letter]. JAMA 1991; 265: 1525.

2. Owens DK. Commentary on "Clinical guidelines and medical practice: A review." ACP Journal Club 1994 May-June: 85 (Ann Intern Med vol 120, suppl 3). Comment on Grimshaw JM, Russell IT. Effect of clinical guidelines on medical practice: a systematic review of rigorous evaluations. Lancet 1993; 342: 1317-22.

3. Owens DK. Commentary — Guidelines for the evaluation and management of early HIV infection. Abstracts of Clinical Care Guidelines 1994; 6: 7.

4. Owens DK, Harris RA, Nease RF. Screening surgeons for HIV infection [Letter]. Annals of Internal Medicine 1995; 123: 812-813.

5. Gage BF, Cardinalli AB, Albers GW, Owens DK. Cost-effectiveness of stroke prophylaxis for nonvalvular atrial fibrillation [Letter]. Journal of the American Medical Association 1996; 275: 909-910.

6. Owens DK. Commentary on "Screening and treatment of diabetic retinopathy was cost-effective". Evidence-Based Medicine 1996 Jul-Aug;1:158. Comment on Javitt JC, Aiello LP. Cost-effectiveness of detecting and treating diabetic retinopathy. Annals of Internal Medicine 1996: 124:164-169.

7. Owens DK. Commentary on "Low-molecular-weight heparin was cost effective for perioperative prevention of DVT" ACP Journal Club 1997 March-April; 126:51. Comment on Bergqvist D, Lindgren B, Matzsch T. Comparison of the cost of preventing postoperative deep vein thrombosis with either unfractonated or low molecular weight heparin. British Journal of Surgery 1996; 83: 1548-1552.

8. Owens DK, Holodniy M, Garber AM. The polymerase chain reaction for the diagnosis of HIV infection in adults [Letter]. Annals of Internal Medicine 1997; 126:739-740.

9. Owens DK. Defensive diagnostic testing: A case of stolen utility? [Editorial] *Medical Decision Making* 1998; 18: 33-34.
10. Owens DK. In the eye of the beholder: Assessment of health-related quality of life [Editorial]. *Hepatology* 1998; 27: 292-293.
11. Hlatky MA, Owens DK. Cost effectiveness of tests to assess the risk of sudden death after acute myocardial infarction [Editorial]. *Journal of the American College of Cardiology* 1998; 31:1490-1492.
12. Salpeter SR, Sanders GD, Owens DK. Monitored isoniazid prophylaxis for low-risk tuberculin reactors [Letter]. *Annals of Internal Medicine* 1998; 128:1048.
13. Owens DK. Interpretation of cost-effectiveness analyses [Editorial]. *Journal of General Internal Medicine* 1998; 13: 716-717.
14. Owens DK. Commentary — ACC/AHA guidelines for implantation of cardiac pacemakers and antiarrhythmic devices. *Abstracts of Clinical Care Guidelines* 1998; 10: 1-5.
15. Owens DK. Does the emperor have clothes? Assessing medical technology [Commentary]. *The Pharos* 2000(Winter) 63: 29-30.
16. Owens DK, Bravata DM. Computer-based decision support: Wishing on a star? [Editorial] *Effective Clinical Practice* 2001; 4:34-38.
17. Gould MK, Owens DK. Positron emission tomography to evaluate lung lesions [Letter]. *Journal of the American Medical Association* 2001; 285:2711-2712.
18. Schleinitz MD, Owens DK. The reply [Letter]. (Response to a letter regarding the cost effectiveness of clopidogrel versus aspirin for secondary prophylaxis of thrombotic events.) *American Journal of Medicine* 2005; 118:200.
19. Schleinitz MD, Owens DK. The reply [Letter]. (Response to a letter regarding the cost effectiveness of clopidogrel versus aspirin for secondary prophylaxis of thrombotic events.) *American Journal of Medicine* 2005; 118:199.
20. Owens DK, Black M. Assessing the benefits and costs of new therapies for Hepatitis B virus infection [Editorial]. *Annals of Internal Medicine* 2005; 142:863-864.
21. Sanders GD, Bayoumi AM, Owens DK. Cost-effectiveness of screening for HIV [Letter]. *New England Journal of Medicine* 2005; 352:2138.
22. Sanders GD, Hlatky MA, Owens DK. Cost-effectiveness of ICDs [Letter]. *New England Journal of Medicine* 2006; 354:206-207.
23. Shojania KG, Ranji SR, McDonald KM, Grimshaw JM, Rushakoff RJ, Owens DK. Quality Improvement strategies for type 2 diabetes [Letter]. *JAMA* 2006; 296:2680-2681.
24. Chou R, Shekelle P, Qaseem A, Owens DK. Correction: Diagnosis and treatment of low back pain. *Annals of Internal Medicine* 2008; 148:247-248.

### **Reports**

1. Yano EM, Phillips B, McWhorter V, Asch S, Owens D, Menke T, Chang S, Bozzette S. VHA Survey of HIV/AIDS Programs and Practices: Results of a National Survey. HIV/AIDS Quality Enhancement Research Initiative, Health Services Research and Development Section, VA San Diego Healthcare System, 3350 La Jolla Village Drive, 111 N-1, San Diego California 92161. July 2001

### Other Publications

1. Owens DK. How good is good enough? Even seemingly imperfect HIV vaccines are worth testing for efficacy. *Stanford Medicine* 1998; 16(1):30, 40.
2. Owens DK. The effectiveness and cost effectiveness of screening for HIV. In: *Forum: translating research into quality health care for veterans*. VA Health Services Research and Development Service. May 2006: 5.

### Abstracts

1. Nease RF Jr, Bonduelle YF, Owens DK. Threshold analysis using diagnostic tests with multiple results. *Medical Decision Making* 1987; 7:284.
2. Owens DK, Nease RF Jr, Sox HC Jr. Decision analytic approach to staging non-small cell (T1) lung cancer. *Medical Decision Making* 1988; 8:348.
3. Nease RF, Owens DK. The magnitude of risks imposed on providers treating HIV positive patients. *Medical Decision Making* 1988; 8:349.
4. Owens DK, Nease RF, Sox HC Jr. Invasive versus non-invasive tests for staging non-small lung cancer of unknown extent: A decision analytic model. *Clinical Research* 1989; 37:780A.
5. Nease RF, Owens DK. Methodologic implications of aggregation in measuring test performance. *Clinical Research* 1989; 37:322A.
6. Nease RF Jr, Owens DK. Prophylaxis with zidovudine after occupational exposure: Analysis of risks and benefits. *Medical Decision Making* 1989; 9:319.
7. Owens DK, Nease RF. Physician beliefs about occupational risk and severity of health states associated with HIV and hepatitis infection. In: *Proceedings and Abstracts of the Sixth International Conference on AIDS*; June 20-24, 1990; San Francisco, CA. 3: 308.
8. Brandeau ML, Lee HL, Owens DK, Sox CH, Wachter RM. An analytic decision model of HIV screening and intervention, with an example application: analysis of screening policies to reduce HIV transmission to newborns. In: *Proceedings and Abstracts of the Sixth International Conference on AIDS*; June 20-24, 1990; San Francisco, CA. 3: 120.
9. Owens DK, Nease RF. Occupational exposure to HIV and hepatitis B virus (HBV): a comparative analysis of risk. In: *Proceedings and Abstracts of the Sixth International Conference on AIDS*; June 20-24, 1990; San Francisco, CA. 3: 310.
10. Owens DK, Nease RF. Morbidity and mortality in the analysis of risk: Effect of incorporation of preferences for diminished health states. *Medical Decision Making* 1990; 10:323.
11. Owens DK, Nease RF. Identifying test alternatives with value of information calculations: Analysis of the timing of thoracotomy after myocardial infarction. *Medical Decision Making* 1990; 10:328.
12. Bonduelle Y, Call H, Owens DK. DPL: A new tool for analyzing medical decision analysis problems. *Medical Decision Making* 1990; 10:325.
13. Owens DK, Nease RF, Sox HC. Optimal test strategy for staging peripheral non-small cell lung cancer with potential chest wall invasion. *Clinical Research* 1991; 39: 160A.
14. Owens DK, Nease RF. A model-based approach for prioritizing information acquisition during guideline development. *Medical Decision Making* 1991; 11: 330.

15. Nease RF, Owens DK. Decision models as an aid to short-term evaluation of clinical guidelines. *Medical Decision Making* 1991; 11: 325.
16. Nease RF, Owens DK. Estimating the risk posed to patients of HIV-infected surgeons and dentists performing invasive procedures. *Medical Decision Making* 1991; 11:325.
17. Owens DK, Nease RF. Evaluating the impact of variation in clinical circumstance on optimal guideline development: the expected value of customization. *Medical Decision Making* 1991; 11: 330.
18. Owens DK, Holodniy M, Garber AM, Sonnad S, Scott J, Kinosian B, Schwartz JS. Use of the polymerase chain reaction for the diagnosis of HIV infection in adults: A meta-analytic evaluation of test performance. *Clinical Research* 1992: 40: 588A.
19. Owens DK, Holodniy M, McDonald T, Scott J. Diagnosis of pediatric HIV infection with the polymerase chain reaction: A meta-analytic evaluation of test performance. *Medical Decision Making* 1992; 12: 346.
20. Nease RF, Sumner W, Owens DK. A methodology for estimating the cost-effectiveness of incorporating patient preferences into practice guidelines. *Medical Decision Making* 1992; 12: 346.
21. Flam R, El-Sadr W, Oleske J, Nease RF, Owens DK. The challenge of developing guidelines for clinical care of individuals with HIV. In: *Proceedings and Abstracts of the Ninth International Conference on AIDS*; June 6-11, 1993; Berlin, Germany. 1: 507.
22. Agins B, El-Sadr W, Owens DK, Flam R, Oleske J, the HIV Panel. Guidelines for the management of M.T.B. infection in early HIV infection. In: *Proceedings and Abstracts of the Ninth International Conference on AIDS*; June 6-11, 1993; Berlin, Germany. 2: 734.
23. Owens DK, Nease RF, Flam R, El Sadr W, Oleske J. A preliminary analysis of clinical content of published guidelines for antiretroviral therapy and PCP prophylaxis. In: *Proceedings and Abstracts of the Ninth International Conference on AIDS*; June 6-11, 1993; Berlin, Germany. 2: 778.
24. Agins B, El-Sadr W, Flam R, Owens DK, Oleske J. Guidelines for general medical management of early HIV infection in adults. In: *Proceedings and Abstracts of the Ninth International Conference on AIDS*; June 6-11, 1993; Berlin, Germany. 1: 510.
25. Nease RF, Owens DK, Flam R, El-Sadr W, Oleske J, the HIV Panel. Development of graphical algorithms for the management of individuals with early HIV infection. In: *Proceedings and Abstracts of the Ninth International Conference on AIDS*; June 6-11, 1993; Berlin, Germany. 2: 777.
26. Gage BF, Scott JD, Owens DK. Marginal cost-utility of warfarin and aspirin in elderly patients with non-valvular atrial fibrillation. *Medical Decision Making* 1993; 13: 386.
27. Owens DK, Nease RF, Harris RA. Screening for HIV infection in acute-care settings: Determinants of cost-effectiveness. *Medical Decision Making* 1993; 13: 395.
28. Owens DK, Nease RF, Harris RA. Use of cost-effectiveness and value of information analyses to customize guidelines for specific clinical practice settings. *Medical Decision Making* 1993; 13: 395.
29. Owens DK, Nease RF, Harris RA. An evaluation of the cost-effectiveness of screening physicians for HIV infection to prevent transmission to patients. *Medical Decision Making* 1993; 13: 395.
30. Sonnad S, McDonald TW, Nease RF, Oleske J, Owens DK. An evaluation of the methodology of guidelines for zidovudine therapy in HIV disease. *Medical Decision Making* 1993; 13: 398.
31. Mason JJ, Owens DK, Harris RA, Cooke JP, Hlatky MA. Should coronary revascularization be performed prior to vascular surgery? *Circulation (Supplement 1)* 1993; 88: I11.

32. Nease R, Hynes L, Tosteson A, Littenberg B, Sumner W, Owens DK. The cost-effectiveness of incorporating patient preferences into practice guidelines for mild hypertension. *Clinical Research* 1994; 42: 226A.
33. Hack HM, Harris RA, Owens DK, Parsonnet J. Prevention of gastric cancer: A cost-effectiveness analysis of screening for helicobacter pylori. *Clinical Research* 1994; 42: 226A.
34. Owens DK, Brandeau ML. Model-based cost benefit analysis of HIV interventions. In: Proceedings of the Eleventh Annual Investigators Meeting of the Universitywide AIDS Research Program; March 29-30, 1994; San Francisco, CA. 1: Owens.
35. Sonnad SS, Owens DK, Nease RF, McDonald TW, Oleske J. Measurement of variability in guidelines for ZDV therapy in HIV-positive adults: relationship to guideline development methodology. In: Proceedings of the Eleventh Annual Meeting of the Association for Health Services Research; June 12-14, 1994; San Diego, CA. 1: 26.
36. Nease RF, Hynes L, Littenberg B, Tosteson A, Sumner W, Owens DK. Variation in patient preferences for outcomes associated with the management of mild hypertension: implications for practice guidelines. In: Proceedings of the Eleventh Annual Meeting of the Association for Health Services Research; June 12-14, 1994; San Diego, CA. 1: 25.
37. Rotman BL, McDonald TW, Suermondt HJ, De Smedt P, Strong PC, Young CY, Owens DK. Computer-based detection of drug interactions in an ambulatory care practice. *Medical Decision Making* 1994; 14: 440.
38. Gage BF, Cardinali AB, Owens DK. Cost-effectiveness of incorporating patient-specific utilities for the prevention of stroke in patients with non-valvular atrial fibrillation. *Medical Decision Making* 1994; 14: 431.
39. Owens DK, Sanders GD, Harris RA, McDonald KM, Hlatky MA. Cost-effectiveness of third-generation implantable cardioverter-defibrillators for prevention of sudden cardiac death. *Medical Decision Making* 1995; 15: 420.
40. Edwards DM, Shachter RD, Owens DK. Cost-effectiveness of preventive and therapeutic HIV vaccines: implications for vaccine development. *Medical Decision Making* 1995; 15: 420.
41. Edwards DM, Shachter RD, Owens DK. Comparison of methods for valuing health and economic effects of interventions with delayed outcomes: application to HIV vaccine programs. *Medical Decision Making* 1995; 15: 420.
42. Sonnad S, Owens DK. A comparison of meta-analytic methods for estimating the accuracy of the polymerase chain reaction for HIV diagnosis. *Medical Decision Making* 1995; 15: 433.
43. Owens DK, Sanders GD, Heidenreich PA, McDonald KM, Dembitzer AD, Hlatky MA. Identification of patients at high risk for sudden cardiac death. *Medical Decision Making* 1996; 16: 456.
44. Heidenreich PA, Owens DK, Garber AM. The management of chronic coronary occlusions: a decision analysis. *Medical Decision Making* 1996; 16: 469.
45. Sim I, Rennels GD, Owens DK. Design of a sharable, clinical trials knowledge base for computer-supported evidence-based medicine. *Medical Decision Making* 1996; 16: 468.
46. Heidenreich PA, Owens DK. Echocardiography in the diagnosis of endocarditis: Evaluating uncertainty in the results of a cost-effective analysis. *Medical Decision Making* 1996; 16: 468.
47. Dembitzer AD, Sanders GD, Owens DK. Medical management of BRCA-1 mutation carriers: a decision analysis of breast cancer detection and prevention strategies. *Medical Decision Making* 1996; 16: 456.
48. Sim I, Owens DK, Lavori PW, Rennels GD. A sharable knowledge base of randomized clinical trials for evidence-based decision support. In: Proceedings of the Fifteenth Annual Health Services Research and Development Service Meeting; February 12-14, 1997; Washington DC; HSR&D Service, Department of Veterans Affairs 1:26.

49. Richter A, Brandeau ML, Owens DK. HIV-prevention resource allocation: A case study of the Menlo Park/Palo Alto VA. In: Proceedings of the Fifteenth Annual Health Services Research and Development Service Meeting; February 12-14, 1997; Washington DC; HSR&D Service, Department of Veterans Affairs. 1:22.
50. Dembitzer AD, Goldstein MK, Owens DK. Effect of genetic testing on expenditures related to breast cancer screening and treatment. *Journal of General Internal Medicine* 1997; 12 (suppl 1): 60.
51. Gould MK, Nease RF, Sox HC, Owens DK. A decision model for mediastinal staging in non-small cell lung cancer. *Journal of General Internal Medicine* 1997; 12 (suppl 1): 61.
52. Salpeter S, Sanders GD, Salpeter EE, Owens DK. Cost effectiveness of monitored isoniazid prophylaxis for low risk tuberculin reactors over age 35. *Medical Decision Making* 1997; 17: 520.
53. Sanders GD, Every NR, McDonald KM, Parsons LS, Heindenreich PA, Hlatky MA, Owens DK. Cost effectiveness of implantable cardiac defibrillators (ICDs) after myocardial infarction (MI). *Medical Decision Making* 1997; 17: 531.
54. Sanders GD, Hagerty CG, Sonnenberg FA, Hlatky MA, Owens DK. Distributed dynamic decision support using a web-based interface for prevention of sudden cardiac death. *Medical Decision Making* 1997; 17: 524.
55. Harris RA, Owens DK, Witherell H, Parsonnet J. *Helicobacter pylori* and gastric cancer: What are the benefits of screening only for the CagA phenotype of *H. pylori*. *Medical Decision Making* 1997; 17: 531.
56. Dembitzer AD, Sanders GD, Owens DK. Cost-effectiveness of screening for breast cancer with BRCA1/BRCA2. *Medical Decision Making* 1997; 17: 531.
57. Sim I, Owens DK, Rennels GD. Pilot evaluation of a randomized-trial knowledge base. *Medical Decision Making* 1997; 17: 540.
58. Zaric G, Bayoumi AM, Brandeau ML, Owens DK. Routine HIV screening of newborns: A cost-effectiveness analysis. *Medical Decision Making* 1997; 17: 531.
59. Bayoumi AM, Holodniy M, Owens DK. Cost effectiveness of human immunodeficiency virus (HIV) treatment with protease inhibitors and viral load testing. *Medical Decision Making* 1997; 17: 527.
60. Bradford ES, Owens DK. Cost-effectiveness of postexposure prophylaxis for prevention of non-occupational transmission of HIV. *Medical Decision Making* 1997; 17: 523.
61. Sim I, Owens DK, Lavori PW, Rennels GD. The design of sharable, randomized-clinical-trial knowledge bases for evidence-based decision support. American Medical Informatics Association Spring Congress, San Jose, California. 1997; 1:91.
62. Sim I, Owens DK, Rennels GD. Computer-based structured reporting of randomized trials. Third International Congress on Biomedical Peer Review. Prague, Czech Republic. 1997; 1:47.
63. Sim I, Owens DK, Lavori PW, Rennels GD. A Sharable Knowledge Base of Randomized Clinical Trials for Evidence-Based Decision Support. In: Proceedings of the Fifteenth Annual Health Services Research and Development Service Meeting. February, 1997; Washington, DC. HSR&D Service, Department of Veterans Affairs 1:26.
64. Tsugawa M, Shachter R, Owens DK, and Parsonnet J. Cost-effectiveness of vaccine development for *H. pylori* using the Institute-of-Medicine (IOM) Model. *Gastroenterology* 1998; 114(#4/part 2):G1279.
65. Gould MK, Owens DK. Positron emission tomography for mediastinal staging in non-small cell lung cancer: a meta-analysis. *American Journal of Respiratory and Critical Care Medicine* 1998; 157:A256.

66. Heidenreich PA, Owens DK. Should all fen-phen patients have an echocardiogram? A cost-effectiveness analysis. *Journal of the American Society of Echocardiography* 1998; 11:510.
67. Pepper PV, Owens DK. Cost-effectiveness of the pneumococcal vaccine in the Navy and Marine Corps. *Journal of General Internal Medicine* 1998; 13(supplement 1): 32.
68. Gage BF, Cardinalli AB, Owens DK. Meta-analysis of the optimal INR in nonvalvular atrial fibrillation. *Journal of General Internal Medicine* 1998; 13(supplement 1): 25.
69. Gage BF, Gage BF, Wood K, Wiemer C, Reuter D, Owens DK. Selection of patients with atrial fibrillation for a trial of the implantable atrial defibrillator vs amiodarone. *Medical Decision Making* 1998; 18: 486.
70. Sanders GD, Nease RF, Owens DK. Development and pilot evaluation of automated computer-based creation of site-specific clinical-practice guidelines from decision models. *Medical Decision Making* 1998; 18:462.
71. Sanders GD, Nease RF, Owens DK. Design and implementation of a computer-based system to annotate decision models for use in guideline development. *Medical Decision Making* 1998; 18:469.
72. Pepper PV, Owens DK. Cost-effectiveness of the pneumococcal vaccine in the health young adult population. *Medical Decision Making* 1998; 18:471.
73. Cheng CHF, Sanders GD, Heidenreich PA, McDonald KM, Lee BK, Larson MS, Hlatky MA, Owens DK. Cost effectiveness of radiofrequency ablation for treatment of paroxysmal supraventricular tachycardias. *Medical Decision Making* 1998; 18:458.
74. Sanders GD, Every NR, McDonald KM, Parson LS, Heidenreich PA, Hlatky MA, Owens DK. Cost effectiveness of implantable cardioverter defibrillators and amiodarone after myocardial infarction. *Journal of the American College of Cardiology* 1999; 33(2) Supplement A:307A.
75. Fredrickson JO, Young H, Napel S, Beaulieu CF, Jeffrey RB, and Owens, DK. Cost-effectiveness of virtual colonoscopy in colorectal cancer screening. *Proceedings of the First International Symposium on Virtual Colonoscopy*, Boston MA. 1998; 1:100.
76. Tsugawa MF, Shachter R, Owens DK, Parsonnet J. Predicting the next century of *H. pylori* prevalence and associated diseases in the United States. *Gastroenterology* 1999; 116(4, Part2): A339.
77. Tsugawa MF, Shachter R, Owens DK, Parsonnet J. Learning about *H. pylori* transmission dynamics from the distinct patterns of duodenal ulcer and gastric cancer. *Gastroenterology* 1999; 116(4, Part2): A338.
78. Gerson LB, Gage BF, Owens DK, Triadafilopoulos G. Management of patients on anticoagulants prior to endoscopy: a retrospective analysis. *Gastrointestinal Endoscopy* 1999; 4 (Part II); 353.
79. Alloggiamento T, Khalessi A, Lin O, Sanders GD, Hlatky MA, Owens DK. Cost effectiveness of intracoronary brachytherapy for the prevention of restenosis in single-vessel coronary artery disease. *Medical Decision Making* 1999; 19:539.
80. Haug CJ, Sanders GD, Luu V, Cody SH, Barnato AE, Owens DK. Cost effectiveness of screening women for *Chlamydia trachomatis* infection. *Medical Decision Making* 1999; 19:539.
81. Heidenreich PA, Sanders GD, Hlatky MA, McDonald KM, Owens DK. Cost effectiveness of screening survivors of myocardial infarction for prophylactic defibrillator implantation. *Medical Decision Making* 1999; 19:519.
82. Dembitzer AD, Sanders GD, Goldstein MK, Owens DK. Cost effectiveness of programs that screen for BRCA mutations in women. *Medical Decision Making* 1999; 19:526.
83. Szeto HC, Gould MK, Owens DK. Cost effectiveness of strategies to diagnose and treat pulmonary embolism. *Medical Decision Making* 1999; 19:539.

84. Sanders GD, Hlatky MA, Heidenreich PA, McDonald KM, Owens DK. Use of decision models to extrapolate results from clinical trials: cost effectiveness of the implantable defibrillator. *Medical Decision Making* 1999; 19:519.
85. Rupnow MFT, Shachter RD, Owens DK, Parsonnet J. The cost effectiveness of *H. pylori* vaccine to prevent gastric cancer. *Medical Decision Making* 1999; 19:523.
86. Payne M, Owens DK, Lamb EJ. The use of frozen semen to avoid HIV transmission by donor insemination: a cost-effectiveness analysis. *Fertility and Sterility* 1999; 71(4), Supplement 1:8S.
87. Gould MK, Maclean C, Owens DK. A comparison of methods for summarizing studies of diagnostic test performance. Proceedings of the Eighteenth Annual Health Services Research and Development Service Meeting, March 2000; Washington, DC. HSR&D Service, Department of Veterans Affairs, Abstract 146, pp. 163-164.
88. Alloggiamento T, Sanders GD, Khalessi A, Lin O, Hlatky MA, Yeung AC, Owens DK. Cost effectiveness of emerging antiproliferative therapies that reduce restenosis after coronary angioplasty. *Journal of the American College of Cardiology* 2000 35(2): Supplement A: 550.
89. Heidenreich PA, Sanders GD, Hlatky MA, McDonald KM, Owens DK. Should survivors of myocardial infarction be screened for risk of sudden death? A cost-effectiveness analysis. *Journal of the American College of Cardiology* 2000 35(2): Supplement A: 550.
90. Szeto HC, Gould MK, Owens DK. Cost effectiveness of management strategies for pulmonary embolism in patients with intermediate pretest probability. *American Journal of Respiratory and Critical Care Medicine* 2000; 161(3): part 2, A639.
91. Szeto HC, Gould MK, Owens DK. Factors favoring the use of spiral CT in patients suspected of pulmonary embolism: a cost-effectiveness analysis. *American Journal of Respiratory and Critical Care Medicine* 2000; 161(3): part 2, A757.
92. Sanders GD, Nease RF, Hlatky MA, Owens DK. Development of interactive web-based guidelines for prevention of sudden cardiac death. *PACE* 2000; 23(4 part II): 749.
93. Bravata DM, Olkin I, Barnato AE, Keeffe EB, Owens DK. Quality of life, employment and alcohol use after liver transplantation: a meta-analysis. *Journal of General Internal Medicine*, 2000; 15(April[S1]): 55.
94. Barnato AE, Sanders GD, Owens DK. Cost-effectiveness of a potential vaccine against *Coccidioides immitis* (Abstract p48). In: Proceedings of the Third Annual Conference on Vaccine Research. April 30-May 2, 2000, Washington D.C., National Foundation for Infectious Diseases 2000: 64.
95. Lin OS, Gerson LB, Keeffe EB, Owens DK. Serum des-gamma-carboxyprothrombin for the screening of hepatocellular carcinoma in cirrhotic patients: A meta-analysis. *Gastroenterology* 2000; 118(4)Supp2:A262.
96. Sanders GD, Nease RF, Owens DK. Publishing Web-Based Guidelines Using Interactive Decision Models. Proceedings AMIA Symposium 2000: 1129.
97. Bayoumi AM, Holodniy M, Owens DK. Cost effectiveness of resistance testing for patients with HIV failing highly active antiretroviral therapy. *Medical Decision Making* 2000; 20:486.
98. Bayoumi AM, Holodniy M, Owens DK. Health benefits and costs of early treatment of HIV. *Medical Decision Making* 2000; 20:486.
99. Heidenreich PA, Sanders GD, Hlatky MA, Buxton AE, Hafley GE, Lee KL, McDonald KM, Owens DK. Cost effectiveness of screening patients with low ejection fraction for prophylactic defibrillator implantation. *Medical Decision Making* 2000; 20:484.

100. Lin OS, Keeffe EB, Sanders GD, Owens DK. Cost effectiveness of screening strategies for hepatocellular carcinoma in cirrhotic patients. *Medical Decision Making* 2000; 20:477.
101. Barnato AE, Sanders GD, Owens DK. A markov model to assess the cost effectiveness of *C. immitis* vaccination. *Medical Decision Making* 2000; 20:487.
102. Gould MK, Maclean CC, Kuschner WK, Owens DK. Methods for summarizing studies of diagnostic test performance. *Medical Decision Making* 2000; 20:500.
103. Schleinitz M, Socks DA, Weiss JP, Owens DK. Clopidogrel for secondary prophylaxis of thrombotic events: a cost-effectiveness analysis. *Medical Decision Making* 2000; 20:484.
104. Gould MK, Maclean CC, Kuschner WK, Owens DK. A meta-analysis of studies of positron emission tomography for the diagnosis of pulmonary nodules and mass lesions. *Chest* 2000; 118: 105S.
105. Owens DK, Edwards D, Shachter R. Cost effectiveness of potential HIV vaccines. Program Book of the National Institute on Drug Abuse Community Epidemiology Work Group Conference, San Francisco, California, December 12-15, 2000; p. II-14.
106. Owens DK, Sanders GD, Sundaram V, Lazzeroni LC, Yano EM, Tempio P, Phillips B, McWhorter V, Douglass LR, Bozzette SA. Policies for human immunodeficiency virus screening in Department of Veterans Affairs hospitals. *Journal of General Internal Medicine* 2001; 16 (Supplement 1): 211.
107. Gould MK, Sanders GD, Maclean CC, Rydzak CE, McClellan MB, Barnett PG, Owens DK. Cost-effectiveness of alternative management strategies for patients with solitary pulmonary nodules. *Am J Respir Crit Care Med* 2001;163:A72.
108. Gould MK, Sanders GD, Maclean CC, Rydzak CE, McClellan MB, Barnett PG, Owens DK. Optimal use of surgical biopsy and observation in patients with solitary pulmonary nodules. *Chest* 2001; 120:167S.
109. Gould MK, Sanders GD, Barnett PG, Maclean CC, Rydzak CE, McClellan MB, Owens DK. Cost-effectiveness of positron emission tomography for diagnosis of solitary pulmonary nodules. *Medical Decision Making* 2001; 21: 528.
110. Bayoumi AM, Owens DK. Using Weibull survival methods to model long-term outcomes from short-term data: a new DEALE? *Medical Decision Making* 2001; 21:538.
111. Sanders GD, Bilir SP, Lin D, Rydzak CE, Douglass L, Sundaram V, Owens DK. Automated and evidence-based site-specific guidelines for HIV screening. *Medical Decision Making* 2002; 22:549.
112. Sanders GD, Bilir SP, Lin D, Rydzak CE, Owens DK, Gould MK. Automated customization of recommended strategies for management of solitary pulmonary nodules. *Medical Decision Making* 2002; 22:535
113. Fowler R, Nouri B, Sanders GD, Gastwirth J, Peterson D, Broker A, Bravata D, Owens DK. Cost-effectiveness of the human anthrax vaccine and antimicrobial therapy for urban populations at risk for bioterror attacks. *Medical Decision Making* 2002; 22:554.
114. Sanders GD, Owens DK, Bilir SP, Sinaiko AD, Valk P, Maisey MN. Cost effectiveness of positron emission tomography (PET) before hepatic resection for colorectal metastases. *Medical Decision Making* 2002; 22:543.
115. Sanders GD, Bayoumi A, Sundaram V, Bilir SP, Rydzak CE, Douglass L, Holodniy M, Owens DK. Cost effectiveness of HIV screening in acute care settings in the era of highly active antiretroviral (HAART) therapy. *Medical Decision Making* 2002; 22:562.
116. Owens DK, Sundaram V, Lazzeroni LC, Douglass LR, Tempio P, Sanders GD, Holodniy M. HIV testing appropriateness and predictors of HIV infection in department of veterans affairs health care systems. *Medical Decision Making* 2002; 22:534.

117. Honiden S, Nease RF, Sundaram V, Holodniy M, Owens DK. The effect of diagnosis with HIV infection on quality of life. *Medical Decision Making* 2002; 22:560.
118. Sundaram V, Douglass LR, Lazzeroni LC, Sanders GD, Tempio P, Bergen MR, Owens DK. A randomized trial of an intervention to improve HIV screening. *Medical Decision Making* 2002; 22:542.
119. Silverman J, Bundorf MK, Rydzak CE, Dembitzer A, Enthoven A, Owens DK, Sanders GD. Cost effectiveness of assessing patient preferences for treatment of breast and ovarian cancer susceptibility. *Medical Decision Making* 2002; 22:554.
120. Groeneveld PW, Owens DK. Cost-effectiveness of widespread, non-selective training of laypersons in cardiopulmonary resuscitation. *Medical Decision Making* 2002; 22:544.
121. Bravata DM, Szeto H, McDonald K, Smith WM, Owens DK. Development of a Conceptual Framework for the Evaluation of Decision Support Systems to Respond to Bioterrorism. *Medical Decision Making* 2002; 22:554.
122. Bravata DM, McDonald K, Smith WM, Rydzak C, Szeto H, Buckeridge D, Haberland C, Owens DK. Surveillance systems for bioterrorism: A systematic review. *Journal of Urban Health: Bulletin of The New York Academy of Medicine* 2003; 80: i135.
123. Munakata J, Woolcott J, Anis A, Sculpher M, Yu W, Sanders G, Bayoumi A, Gulbinas V, Philips Z, Owens D. Design of a prospective economic evaluation for a tri-national clinical trial in HIV patients (OPTIMA). *Controlled Clinical Trials* 2003; 24: 173S.
124. Vij R, Triadafilopoulos G, Owens DK, Kunz P, Sanders GD. Cost-effectiveness analysis of photodynamic therapy for treatment of high grade dysplasia in Barrett's esophagus. *Gastrointestinal Endoscopy* 2003; 57(5): AB79.
125. Zaric GS, Bayoumi A, Brandeau ML, Owens DK. The cost effectiveness of improved adherence to antiretroviral therapy. *Value in Health* 2003; 6:266.
126. Tuli K, Hu D, Vanichseni S, Edwards D, Shachter R, Mock P, van Griensven G, Owens D, Choopanya K, Tappero J. Potential program to vaccinate injection drug users in Bangkok, Thailand with a partially effective HIV vaccine: a cost-effectiveness analysis. *AIDS Vaccine Conference September 18-21, 2003, New York City*.
127. Owens DK, Sundaram V, Douglass LR, Lazzeroni LC, Holodniy M, Margolis D, Sanders GD, Taylor K, VonGronigen R, Shadle VM, Gyuricza D, McWhorter VC, Agoncillo T, Paulk P, Haren N, Tuen M, Dwyer A, Nyland J, Tempio T, Khayr W, Dietzen D, Jensen P, Simberkoff M, Bozzette SA. Seroprevalence of HIV infection at VA health care systems. *Medical Decision Making* 2003; 23:569.
128. Munakata J, Sanders GD, Owens DK, Bayoumi AM. Cost effectiveness of enfuvirtide in the treatment of drug-resistant HIV infection. *Medical Decision Making* 2003; 23:569.
129. Zaric GS, Bravata D, Holty JC, Brandeau ML, Wilhelm E, Sundaram V, Macdonald K, Owens DK. Modeling the logistics of response to a large anthrax attack in the United States. *Medical Decision Making* 2003; 23:570.
130. Vij R, Triadafilopoulos G, Owens DK, Kunz P, Sanders GD. Cost effectiveness of photodynamic therapy for high grade dysplasia in Barrett's esophagus. *Medical Decision Making* 2003; 23:585.
131. Sanders GD, Bayoumi AM, Sundaram V, Neukermans CP, Holodniy M, Owens DK. Effect of transmission on the cost effectiveness of screening for HIV. *Medical Decision Making* 2003; 23:585.
132. Sanders GD, Nouri B, Choudhry K, Owens DK, Hlatky MA. Potential cost effectiveness of genetic screening for sudden cardiac death. *Medical Decision Making* 2003; 23:579.

133. Zaric, GS, Bayoumi AM, Brandeau ML, Owens DK , The cost effectiveness of counseling to improve adherence to HAART. *Medical Decision Making* 2003; 23:582.
134. Mesesan K, Owens DK, Paltiel AD. Predicting the impact of a partially effective HIV vaccine and subsequent risk behavior change on the HIV epidemic in developing countries: a South African example. *Medical Decision Making* 2005; 25(1):E1.
135. Walsh JME, McDonald KM, Shojania KG, Sundaram V, Lewis R, Nayak S, Mechanic J, Owens DK, Goldstein MK. Provider adherence with quality improvement strategies for management of hypertension: a systematic review. *Medical Decision Making* 2005; 25 (1):E41.
136. Joyce V, Aalfs SSA, Sundaram V, Hill AK, Baker F, Munakata J, Kyriakides TC, Sanders GD, Holodniy M, Schulpher M, Anis A, Yu W, Brown S, Owens DK. Utility-based assessments of quality of life in a randomized trial of antiretroviral therapy in advanced HIV disease. *Medical Decision Making* 2005; 25 (1):E8.
137. Walsh JME, McDonald KM, Shojania KG, Sundaram V, Lewis R, Nayak S, Mechanic J, Owens DK, Goldstein MK. Quality improvement strategies for hypertension: a systematic review. *Medical Decision Making* 2005; 25 (1):E49.
138. Bravata DM, Zaric GS, Holty JE, Brandeau ML, Wilhelm ER, McDonald KM, Owens DK. The cost effectiveness of alternative strategies for stockpiling and dispensing medical and pharmaceutical supplies during a response to anthrax bioterrorism. *Medical Decision Making* 2005; 25 (1):E5.
139. Aalfs SSA, Guh DP, Singer J, Sundaram V, Joyce V, Hill AK, Sun H, Griffin S, Sanders GD, Bayoumi AM, Holodniy M, Brown S, Schulpher M, Yu W, Owens DK, Anis AH. The impact of AIDS-related events and non-AIDS serious adverse events on health-related quality of life in a multinational trial of antiretroviral therapy. *Medical Decision Making* 2005; 25 (1):E52.
140. Holty JE, Bravata DM, Liu H, Wilhelm ER, Zaric GS, McDonald KM, Owens DK. 100 years of inhalational anthrax: a systematic review of cases from 1900 to 2001. *Medical Decision Making* 2005; 25 (1):E25.
141. Owens DK, Cavallaro JF, Edwards D, Shachter R. Cost effectiveness of partially effective HIV vaccines in the era of highly active antiretroviral therapy. *Medical Decision Making* 2005; 25 (1):E4.
142. Sanders GD, Hlatky MA, Owens DK. Cost effectiveness of the implantable cardioverter defibrillator in the MADIT-II population. *Medical Decision Making* 2005; 25 (1):E38.
143. Sanders GD, Sundaram V, Bayoumi AM, Owens DK. Cost effectiveness of HIV screening in the elderly. *Medical Decision Making* 2005; 25 (1):E15.
144. Bayoumi AM, Sanders GD, Munakata J, Owens DK. Potential cost effectiveness of aggressively treating multi-drug experienced HIV-positive patients. *Medical Decision Making* 2005; 25 (1):E35.
145. Long EF, Brandeau ML, Galvin CM, Vinichenko T, Tole S, Owens DK. The cost effectiveness of highly active antiretroviral therapy for injection drug users in Russia. *Russian Journal of AIDS, Cancer and Public Health* 2005; 9(2):117.
146. Owens DK, Sanders G, Bayoumi A, Holodniy M. Cost effectiveness of screening for HIV in the United States in the era of highly active antiretroviral therapy. *Russian Journal of AIDS, Cancer and Public Health* 2005; 9(2):120.
147. Vinichenko T, Brandeau ML, Galvin CM, Long EF, Tole S, Owens DK. Policy options for addressing issues of injection drug use in the context of HIV/AIDS. *Russian Journal of AIDS, Cancer and Public Health* 2005; 9(2):133.
148. Sanders GD, Bayoumi AM, Sundaram V, Lazzeroni L, Holodniy M, Owens DK. Cost effectiveness of screening for HIV. Abstract Book, 2005 National HIV Prevention Conference, June 12-15, 2005, Atlanta, Georgia, p. 24-25.

149. Long EF, Brandeau ML, Galvin CM, Vinichenko TN, Tole SP, Schwartz A, Sanders GD, Owens DK. Treating injection drug users with antiretroviral therapy: effect on the HIV epidemic in Russia. *Medical Decision Making* 2006; 26: E7.
150. Long EF, Brandeau ML, Vinichenko TN, Galvin CM, Tole SP, Schwartz A, Sanders GD, Owens DK. The cost effectiveness of antiretroviral therapy for injection drug users in Russia. *Medical Decision Making* 2006; 26: E3.
151. Tole SP, Sanders GD, Bayoumi A, Galvin CM, Vinichenko TN, Long EF, Brandeau ML, Owens DK. The cost effectiveness of HIV screening in a resource-limited country: A model of screening in Russia. *Medical Decision Making* 2006; 26: E6.
152. Dembitzer AD, Sanders GD, Carter EH, Owens DK. Evaluation of the effectiveness and cost effectiveness of proband testing for BRCA1/2 mutations. *Medical Decision Making* 2006; 26: E28.
153. Sanders GD, Dembitzer AD, Carter EH, Goldstein MK, Bravata DM, Owens DK. Preference-based decision making to guide testing for breast cancer genes. *Medical Decision Making* 2006; 26: E10.
154. Liu H, Michaud K, Nayak S, Owens DK, Garber AM. The cost effectiveness of parathyroid hormone and alendronate in high-risk osteoporotic women. *Medical Decision Making* 2006; 26: E4.
155. Nayak S, Olkin I, Liu H, Grabe M, Gould MK, Allen EI, Owens DK, Bravata DM. Meta-analytic evaluation of the accuracy of calcaneal quantitative ultrasound for identifying patients with osteoporosis. *Medical Decision Making* 2006; 26: E40.
156. Mesesan K, Owens DK, Vardas E, Gray GE, McIntyre JA, Paltiel AD. Predicting the impact of a partially effective HIV vaccine and subsequent risk behavior change on the heterosexual epidemic in developing countries: a South African example. *Proceedings of the 13<sup>th</sup> Conference on Retroviruses and Opportunistic Infections*, Denver, February 5-9, 2006. Abstract Number 479, page 210.
157. Sanders GD, Hlatky MA, Owens DK. Inappropriate Shocks Reduce Implantable Cardioverter Defibrillator Cost Effectiveness (AB4-2). *Heart Rhythm Journal*. 2006; 3 (5) Supplement S: S7.
158. Mesesan K, Owens DK, Paltiel AD. The potential benefits of expanded male circumcision programs in Africa: Predicting the population-level impact on heterosexual HIV transmission in Soweto. *Proceedings of the XVI International AIDS Conference*, August 13-18, 2006, Toronto, Canada. 2006 (in press).
159. Sanders GD, Bayoumi AM, Owens DK. Cost effectiveness of HIV screening with streamlined counseling. *Medical Decision Making* 2006 (in press).
160. Nayak S, Liu H, Michaud K, Owens DK. Cost effectiveness of alternative screening strategies for osteoporosis in postmenopausal women. *Medical Decision Making* 2006; (in press).
161. Sun H, Guh DP, Bansback NJ, Nosyk B, Li X, Cameron W, Brown S, Gazzard B, Owens DK, Sculpher M, Singer J, Schechter M, Anis AH. Designing economic evaluations in late-stage HIV: what health states should be included? *Medical Decision Making* 2006; (in press).
162. Liu H, Nayak S, Michaud K, Karpf D, Owens DK, Garber A. Generic fosamax: the effect of price reduction on the cost effectiveness of aledronate therapy. *Medical Decision Making* 2006; (in press).
163. Bravata DM, McDonald KM, Gienger A, Owens DK. Comparative effectiveness of percutaneous coronary interventions and coronary artery bypass grafting for coronary artery disease. *Journal of General Internal Medicine* 2007; (in press).
164. Sanders GD, Anaya H, Asch S, Hoang T, Golden J, Gifford A, Bowman C, Owens DK. Cost effectiveness of rapid HIV testing with streamlined counseling. *Proceedings of the 4<sup>th</sup> International AIDS Society Conference on HIV Pathogenesis, Treatment and Prevention*, Sydney Australia, July 22-25, 2007 (in press).

165. Bendavid E, Young SD, Sanders GD, Owens DK. Cost effectiveness of HIV monitoring in resource-constrained settings. Proceedings of the 16<sup>th</sup> International Conference on AIDS, Cancer and Public Health, St Petersburg, Russia, May 28-June 1, 2007. (in press).
166. Tole SP, Sanders GD, Bayoumi AM, Galvin CM, Vinichenko TN, Brandeau ML, Owens DK. The cost effectiveness of HIV screening in Russia. Proceedings of the 16<sup>th</sup> International Conference on AIDS, Cancer and Public Health, St Petersburg, Russia, May 28-June 1, 2007. Russian Journal of AIDS, Cancer, and Public Health 2007; 11: 129.
167. Long EF, Brandeau ML, Galvin CM, Vinichenko TN, Tole SP, Sanders GD, Owens DK. Evaluating the cost effectiveness of expanding antiretroviral therapy (ARV) in Russia and the effect of reduced ARV Price. Proceedings of the 16<sup>th</sup> International Conference on AIDS, Cancer and Public Health, St Petersburg, Russia, May 28-June 1, 2007. Russian Journal of AIDS, Cancer, and Public Health 2007; 11: 119.
168. Sanders GD, Bayoumi AM, Holodniy M, Owens DK. Cost effectiveness of screening for HIV in older patients in the U.S. Proceedings of the 16<sup>th</sup> International Conference on AIDS, Cancer and Public Health, St Petersburg, Russia, May 28-June 1, 2007. (in press).
169. Thompson EM, Sanders GD, Trotter PR, Patz EF, Owens DK, Gould MK. Validation of two models to estimate the pre-test probability of malignancy in patients with solitary pulmonary nodules. American Journal of Respiratory and Critical Care Medicine 2007;175:A870.
170. Thompson EM, Sanders GD, Trotter PR, Patz EF, Owens DK, Gould MK. Validation of a decision model for managing solitary pulmonary nodules. American Journal of Respiratory and Critical Care Medicine 2007;175:A869.
171. Long EF, Brandeau ML, Galvin CM, Vinichenko T, Tole SP, Sanders GD, Owens DK. Cost-effectiveness of expanded use of antiretroviral treatment (ARV) for injection drug users (IDUs) and non-IDUs in Russia: Impact of reduced ARV price. American Public Health Association 135th Annual Meeting 2007.
172. Bendavid E, Rajwade A, Young SD, Owens DK. Cost effectiveness of diagnostic monitoring for HIV care in resource poor settings. American Public Health Association 135th Annual Meeting 2007.
173. Long EF, Brandeau ML, Owens DK. The cost effectiveness of general versus targeted HIV vaccination strategies in the U.S. Medical Decision Making 2008; 28; E39.
174. Long EF, Brandeau ML, Owens DK. A framework for allocating resources for HIV among prevention and treatment interventions. Medical Decision Making 2008; 28; E77.
175. Sanders GD, Anaya H, Asch S, Goetz M, Hoang T, Golden J, Gifford A, Bowman C, Owens DK. Cost effectiveness of strategies to improve HIV testing and receipt of results. Medical Decision Making 2008; 28; E21-22.
176. Bendavid E, Young SD, Katzenstein DA, Bayoumi AM, Sanders GD, Owens DK. Cost effectiveness of HIV monitoring strategies in resource-limited settings. Medical Decision Making 2008; 28: E42.
177. Desai AA, Baras J, Berk BB, Nakajima A, Owens DK, Garber AM, Chertow GM. Management of acute renal failure (ARF) in the ICU: a cost-effectiveness analysis of competing strategies. 2007 Proceedings of the American Society of Nephrology.
178. Khazeni N, Hutton D, Garber AM, Owens DK. Preventive strategies for an avian influenza pandemic. Proceedings of the American Thoracic Society International Conference, Toronto, Ontario, Canada.
179. Nayak S, Liu H, Michaud K, Owens DK. The cost effectiveness of osteoporosis screening strategies for postmenopausal women. Journal of General Internal Medicine 2008 (in press).
180. Andersson KM, Owens DK, Paltiel AD. Risk compensation in partially-effective HIV prevention programs in the African setting: the impact of vaccination versus circumcision on HIV transmission in Soweto, South Africa. Proceedings of the AIDS Vaccine 2008 Meeting, Cape Town, South Africa, October 13-16, 2008.

181. Brown S, The OPTIMA Study Team. Clinical outcomes from OPTIMA: A randomized controlled trial of antiretroviral treatment interruption or intensification in advanced multi-drug resistant HIV infection. Proceedings of the XVII International AIDS Conference, Mexico City, Mexico, August 3-8, 2008.
182. Khazeni N, Hutton DW, Garber AM, Owens DK. Cost effectiveness of antiviral prophylaxis and adjuvanted prime boost vaccination strategies for an influenza pandemic. *Medical Decision Making* 2008 (in press).
183. Long EF, Brandeau ML, Owens DK. To prevent or treat: the cost effectiveness of expanded HIV screening or antiretroviral therapy. *Medical Decision Making* 2008 (in press).
184. Bendavid E, Wood R, Katzenstein DA, Bayoumi AM, Owens DK. Antiretroviral Strategies and Treatment Monitoring in Resource-Limited Settings – A Cost-Effectiveness Analysis. *Medical Decision Making*, October 2008 (in press).
185. Bendavid E, Sanders GD, Owens DK. Cost-Effectiveness of Expanded Testing for HIV in Highly Endemic Regions. *Medical Decision Making*, October 2008 (in press).
186. Perez MV, Kumarasamy NA, Owens DK, Wang PJ, Hlatky MA. Cost effectiveness of genetic testing in family members of patients with long QT syndrome. Proceedings of the American Heart Association, New Orleans, November 2008.
187. Andersson KM, Owens DK, Paltiel AD. Gender-related effects of expanded adult male circumcision programs in southern Africa: the impact of relationship dynamics and potential risk compensation on heterosexual HIV transmission. Proceedings of the 16<sup>th</sup> Conference on Retroviruses and Opportunistic Infections (CROI). Montreal, Canada, February 8-11, 2009.
188. Joyce VR, Barnett PG, Bayoumi AM, Griffin SC, Holodniy M, Brown ST, Cameron W, Sculpher M, Anis AH, Owens DK. Impact of structured treatment interruptins and mega-haart on health-related quality of life in patients with advanced HIV. (under review).
189. Khazeni N, Hutton D, Garber AM, Owens DK. Effectiveness and cost-effectiveness of surgical masks and N-95 respirators for the next influenza pandemic. Proceedings of the American Thoracic Society International Conference, San Diego, California, May 15-20, 2009.
190. Levesque BG, Cipriano LE, Chang SL, Lee KL, Owens DK, Garber AM. Cost effectiveness of alternative diagnostic strategies for patients with suspected small-bowel Crohn's disease. *Gastroenterology* 2009 (in press).
191. Andersson KM, Owens DK, Paltiel AD. Gender differences in risk behavior and the power to negotiate safe sex: potential complications in scaling up adult male circumcision programs in Southern Africa. (under review).

### **Other Committees and Presentations**

1. Abstract Selection Committee, Fifteenth Annual Meeting, Society for Medical Decision Making; Research Triangle, North Carolina; October 24 - 27, 1993.
2. Technology Assessment Steering Committee, Stanford University Hospital 1993 – 1995
2. Session Chair, Sixteenth Annual Meeting, Society for Medical Decision Making; Cleveland, Ohio; October 16 - 19, 1994.

3. Abstract Selection Committee, Sixteenth Annual Meeting, Society for Medical Decision Making; Cleveland, Ohio; October 16 - 19, 1994.
4. Session Chair, Decision Making for HIV/AIDS, Annual Meeting, Institute for Operations Research and the Management Sciences, Los Angeles, California; April 23 - 26, 1995.
5. Session Chair, Medical Decision Making, Eighteenth Annual Meeting, Society of General Internal Medicine, San Diego, California; May 4 - 6, 1995.
6. Abstract Selection Committee, Eighteenth Annual Meeting, Society of General Internal Medicine, San Diego, California; May 4 - 6, 1995.
7. Awards Committee, Eighteenth Annual Meeting, Society of General Internal Medicine, San Diego, California; May 4 - 6, 1995.
8. Awards Committee, National Research Service Award (NRSA) Trainee Research Conference, Chicago, Illinois; June 3, 1995.
9. Session Chair, Health Services Research, National Research Service Award (NRSA) Trainee Research Conference; Chicago, Illinois; June 3, 1995.
10. Chair, Abstract Selection Committee, National Research Service Award (NRSA) Trainee Research Conference; Chicago, Illinois; June 3, 1995.
11. Session Chair, Cardiac Rehabilitation and Health Care Reform, Third Annual Clinical Exercise Physiology and Cardiac Rehabilitation Conference, Palo Alto, California; August 11, 1995.
12. Session Co-chair, Seventeenth Annual Meeting, Society for Medical Decision Making; Tempe, Arizona; October 14 - 17, 1995.
13. Awards Committee, Seventeenth Annual Meeting, Society for Medical Decision Making; Tempe, Arizona; October 14 - 17, 1995.
14. Co-Chair, Abstract Selection Committee for Medical Decision Making and Cost-Effectiveness Analysis, Nineteenth Annual Meeting, Society for General Internal Medicine, Washington, D.C.; May 2-4, 1996.
15. Awards Committee, Nineteenth Annual Meeting, Society for General Internal Medicine, Washington, D.C.; May 2-4, 1996.
16. Planning Committee, Second Annual National Research Service Award (NRSA) Trainee Research Conference, Atlanta, Georgia; June 8, 1996.
17. Awards Committee, Second Annual National Research Service Award (NRSA) Trainee Research Conference, Atlanta, Georgia; June 8, 1996.
18. Awards Committee, Eighteenth Annual Meeting, Society for Medical Decision Making; Toronto, Ontario, Canada; October 13 - 16, 1996.
19. Abstract Selection Committee, Eighteenth Annual Meeting, Society for Medical Decision Making; Toronto, Ontario, Canada; October 13 - 16, 1996.
20. Scientific Program Committee, Eighteenth Annual Meeting, Society for Medical Decision Making, Toronto, Canada; October 13 - 16, 1996.
21. Session Co-chair, Methods in Medical Decision Making, Eighteenth Annual Meeting, Society for Medical Decision Making; Toronto, Ontario, Canada; October 13 - 16, 1996.

22. Planning Committee, VA Health Services Research and Development Service Annual meeting; Washington D.C., February 12 - 14, 1997.
22. Scientific Program Co-chair, Fifth Annual VA HSR&D Career Development and Research Scientist Awardees Conference, Washington DC; February 12, 1997.
23. Abstract Selection Committee, Twentieth Annual Meeting, Society for General Internal Medicine, Washington, D.C.; May 1 - 3, 1997.
24. Sierra Pacific Veterans Integrated Service Network Task Force on Physician Productivity (November 1996 – present).
25. Selection Committee, Research Methods Workshops, Twentieth Annual Meeting, Society for General Internal Medicine, Washington, D.C.; May 1 - 3, 1997.
26. Awards Committee, Twentieth Annual Meeting, Society for General Internal Medicine, Washington, D.C.; May 1 - 3, 1997.
27. Session Co-Chair, Medical Decision Making, Twentieth Annual Meeting, Society for General Internal Medicine, Washington, D.C.; May 1 - 3, 1997.
28. Scientific Program Committee, Nineteenth Annual Meeting, Society for Medical Decision Making; Houston, Texas; October 26 - 29, 1997.
29. Awards Committee, Nineteenth Annual Meeting, Society for Medical Decision Making; Houston, Texas; October 26 - 29, 1997.
30. Publications Committee, Society for Medical Decision Making, Washington, D.C., 1997-1999.
31. Finance Committee, Society for Medical Decision Making, Washington, D.C., 1997-1999.
32. Executive Committee, Society for Medical Decision Making, Washington, D.C., 1997-1999.
33. Membership Committee, Society for Medical Decision Making, Washington, D.C., 1997-1999.
34. Issues Committee, Society for Medical Decision Making, Washington, D.C., 1997-2000.
35. Abstract Selection Committee, Twenty-first Annual Meeting, Society for General Internal Medicine, Chicago, Illinois, April 23-25, 1998.
36. Session Co-Chair, Cost-effectiveness and Decision Analysis, Twenty-first Annual Meeting, Society for General Internal Medicine, Chicago, Illinois, April 23-25, 1998.
37. Search Committee, Editor-in-Chief, Medical Decision Making, Society for Medical Decision Making, Washington, D.C., 1998.
38. Scientific Review Committee, Twentieth Annual Meeting, Society for Medical Decision Making, Cambridge, Massachusetts, October 25-28, 1998.
39. Session Chair, Cost effectiveness and Resource Allocation, Conference on Quantitative Evaluation of HIV Vaccine Programs, Divonne-les-Bains, France, Sponsored by the Societal Institute of the Mathematical Sciences, New Canaan, Connecticut; July 6-8, 1998.
40. Co-chair, Scientific Review Subcommittee (Provider/Organization Abstracts), Twenty-second Annual Meeting, Society for General Internal Medicine, San Francisco, California, April 29 - May 1, 1999.
41. Search Committee, University Tenure Line faculty position, Department of Health Research and Policy, 1998-99.

42. Session Co-Chair, HIV Problems, Twenty-second Annual Meeting, Society for General Internal Medicine, San Francisco, California, April 29 - May 1, 1999.
43. Chair, Scientific Review Subcommittee, Twenty-third Annual Meeting, Society for General Internal Medicine, Boston, Massachusetts, May 4 - 6, 2000.
44. Scientific Review Committee, Twenty-second Annual Meeting, Society for Medical Decision Making, Cincinnati, Ohio, September 24-27, 2000.
45. Search Committee, University Tenure Line faculty position, Center for Primary Care and Outcomes Research, Department of Medicine, 1999 - 2005.
46. Scientific Review Committee, Twenty-third Annual Meeting, Society for Medical Decision Making, San Diego, California, October 20-24, 2001.
47. Nominations Committee, Society for Medical Decision Making, Washington D. C., 2000-2001.
48. Session Co-Chair, Cost-Effectiveness Analysis, Twenty-third Annual Meeting, Society for Medical Decision Making, San Diego, California, October 20-24, 2001.
49. Scientific Review Committee, Twenty-fifth Annual Meeting, Society for General Internal Medicine, Atlanta, Georgia, May 2-4, 2002.
50. Scholarly Tracks Committee, Stanford University School of Medicine, 2002.
51. Co-Chair, Cost Effectiveness and Decision Modeling Scientific Review Subcommittee, Twenty-sixth Annual Meeting, Society for General Internal Medicine, Vancouver, British Columbia, April 20 – May 3, 2003.
52. Session Co-Chair, Clinical Strategies, Twenty-fifth Annual Meeting, Society for Medical Decision Making, Chicago, Illinois, October 19-22, 2003.
53. Theme Plenary Session Co-Chair, 27<sup>th</sup> Annual Meeting, Society for General Internal Medicine, Chicago, Illinois, May 2004.
54. Scientific Review Committee, 28<sup>th</sup> Annual Meeting, Society for Medical Decision Making, Boston, Massachusetts, October 14-18, 2006.
55. Session Co-Chair, Simulation and Clinical Strategies, 29<sup>th</sup> Annual Meeting, Society for Medical Decision Making, Pittsburgh, Pennsylvania, October 20-24, 2007.
56. Search committee, University Tenure Line faculty position, Center for Primary Care and Outcomes Research, Stanford University, Stanford, California, 2007-2008.
57. Co-chair, search committee, University Tenure Line faculty position in biodefense, Stanford University, 2007-2008.