

CURRICULUM VITAE

March 21, 2023

KEVIN ALAN SCHULMAN, MD, MBA

OFFICE ADDRESS

Center for Academic Medicine Building
453 Quarry Road
Room # 117B
Palo Alto, CA 94304

E-MAIL ADDRESS

kevin.schulman@stanford.edu

LICENSURE

Pennsylvania, June 1990-December 1992
District of Columbia, October 1992-September 1999
North Carolina, September 1999-present
California 2018-present

SPECIALTY CERTIFICATION

1991-present Diplomate, American Board of Internal Medicine (Recertification 2001, 2011)

EDUCATION

| | | |
|------|-----|---|
| 1983 | BA | Dartmouth College |
| 1988 | MD | New York University School of Medicine |
| 1988 | MBA | The Wharton School of the University of Pennsylvania (concentration in health care management) |

POSTGRADUATE TRAINING

| | |
|-----------|--|
| 1988-1989 | Internship in Internal Medicine, Department of Medicine, Hospital of the University of Pennsylvania (Chair: Larry Early, MD) |
| 1989-1991 | Residency in Internal Medicine, Department of Medicine, Hospital of the University of Pennsylvania (Chairs: Larry Early, MD, and John M. Eisenberg, MD) |

CURRENT PROFESSIONAL POSITIONS AND APPOINTMENTS

| | |
|-------|---|
| 2018- | Professor of Medicine, Stanford University School of Medicine |
| 2018- | Professor of Operations, Information and Technology (By Courtesy), Graduate School Of Business, Stanford University |
| 2018- | Associate Chair of Business Development and Strategy, Department Of Medicine, Stanford University |
| 2018- | Director of Industry Partnerships and Education For The Clinical Excellence Research Center (CERC), Stanford University School Of Medicine |
| 2020- | Faculty Director, Master of Science in Clinical Informatics Management, Stanford University School of Medicine |

PREVIOUS PROFESSIONAL POSITIONS AND APPOINTMENTS

| | |
|-----------|---|
| 1989-1991 | Assistant Instructor of Medicine, University of Pennsylvania School of Medicine |
| 1991-1992 | Instructor of Medicine, University of Pennsylvania School of Medicine |
| 1991-1992 | Senior Fellow, Leonard Davis Institute of Health Economics, University of Pennsylvania |
| 1992-1993 | Medical Director, Clinical Economics Research Unit, Department of Medicine, Georgetown University School of Medicine |

1992-1997 Assistant Professor of Medicine, Georgetown University School of Medicine
1992-1999 Program Faculty, Graduate Public Policy Institute, Georgetown University
1992-1999 Fellowship Director, Division of General Internal Medicine, Department of Medicine, Georgetown University School of Medicine
1993-1999 Director, Clinical Economics Research Unit, Department of Medicine, Georgetown University School of Medicine
1997-1999 Associate Professor of Medicine, Georgetown University School of Medicine
1999-2001 Associate Professor of Medicine, Duke University School of Medicine
2000-2013 Director, Health Sector Management Program, The Fuqua School of Business, Duke University
2000-2013 Director, Center for the Study of Health Management, The Fuqua School of Business, Duke University
2000-2001 Adjunct Associate Professor of Business Administration, The Fuqua School of Business, Duke University
2000-2004 Director, MD/MBA Program, Duke University School of Medicine
2001 Associate Professor of Business Administration, The Fuqua School of Business, Duke University
2003-2006 Vice-Chairperson for Business Affairs, Department of Medicine, Duke University School of Medicine
2000-2008 Affiliated Faculty, Center for Clinical Health Policy Research, Duke University School of Medicine
2008-2010 Senior Fellow in Clinical Health Policy, Duke Center for Clinical Health Policy, Duke University
2001-2010 Professor of Business Administration, The Fuqua School of Business, Duke University
2007-2016 Executive Committee, Duke Global Health Institute, Duke University
2013 Visiting Professor in General Management, Harvard Business School, Boston, MA
2014-2016 Visiting Professor in General Management, Harvard Business School, Boston, MA
2010-2016 Gregory Mario and Jeremy Mario Professor of Business Administration, Duke University
2001-2018 Professor of Medicine, Duke University School of Medicine
1999-2018 Director, Center for Clinical and Genetic Economics, Duke Clinical Research Institute, Duke University School of Medicine
1999-2018 Research Associate, Center for Health Services Research in Primary Care, Durham VA Medical Center
2000-2018 Faculty Associate, Trent Center for Bioethics, Humanities and History of Medicine, Duke University
2007-2018 Associate Director, Duke Clinical Research Institute, Duke University School of Medicine
2009-2018 Founding Director, Masters of Management in Clinical informatics, Duke University.
2011-2018 National Guest Scholar. Stanford Clinical Excellence Research Center (CERC). Stanford University School of Medicine
2015-2018 Faculty Governance Committee, Duke Science and Society Initiative. Duke University.
2016-2018 Visiting Scholar, Harvard Business School, Boston, MA
2016-2018 Gregory Mario and Jeremy Mario Professor, Duke University

AWARDS, HONORS, AND MEMBERSHIPS IN HONORARY SOCIETIES

1983 Graduation *cum laude*, Dartmouth College
1988 Graduation with distinction, The Wharton School of the University of Pennsylvania
1990 Henry Christian Award (for outstanding abstract in a subspecialty field), American Federation for Clinical Research (now the American Federation for Medical Research)
1990 Associates Member Prize for Outstanding Scientific Presentation, Society of General Internal Medicine
1990 First Prize, Lee B. Lusted Student Prize (for outstanding presentation by a trainee), Society for Medical Decision Making
1995-1997 Faculty Development Award in Pharmacoeconomics, Pharmaceutical Research and Manufacturers of America Foundation
1999 Alice S. Hersh Young Investigator Award, Association for Health Services Research (now AcademyHealth)
2001 Dr. Herbert W. Nickens Epidemiology Award (inaugural recipient), Association of Black Cardiologists
2006 Elected Member, American Society for Clinical Investigation (ASCI)
2014-2015 Excellence in Teaching Award, Duke MMCi Program. Durham, NC.
2017 50@50 Notable People, Papers, and Events from the University of Pennsylvania Leonard Davis Institute's First Half-Century Award, for 1999 New England Journal of Medicine Article
2018 Elected to Membership, Association of American Physicians.

MEMBERSHIPS IN PROFESSIONAL AND SCIENTIFIC SOCIETIES

| | |
|--------------|---|
| 1989-present | Society for Medical Decision Making |
| 1995 | Nominated for Trustee |
| 1997-1999 | Ideas Committee |
| 1990-present | American College of Physicians |
| 1990-1992 | Associate |
| 1992-2010 | Member |
| 2010- | Fellow |
| 1990-present | American Federation for Medical Research |
| 1990-present | Society for General Internal Medicine |
| 1993-2001 | Research Committee |
| 1997-2001 | Finance Committee |
| 1997 | Glaser Award Selection Committee |
| 2001 | Co-chair, Patient-Centered Abstracts Review Committee |
| 2009-2011 | Research Subcommittee of the Health Policy Committee |
| 1991-present | AcademyHealth |
| 1996 | Annual Research Meeting Planning Committee |
| 1997 | Annual Research Meeting Planning Committee |
| 2001 | Annual Research Meeting Planning Committee |
| 2010-2013 | Nominations Committee |
| 1999-present | International Society for Pharmacoeconomics and Outcomes Research |
| 2003 | Program Chair, 8th Annual Meeting |
| 2005-2009 | Awards Committee; Vice Chair 2009, Chair, 2010-2012 |
| 2010 | Candidate for President |
| 2010- | The Business School Alliance for Health Management (www.BAHM-Alliance.Org) |
| 2010- | Founding President |

UNIVERSITY SERVICE

| | |
|-----------|--|
| 1990-1991 | Medical Board's Committee on Quality Assurance Data and Systems, Hospital of the University of Pennsylvania |
| 1992-1993 | Clinical Research Working Group, Department of Medicine, Georgetown University School of Medicine |
| 1992-1994 | Practice Operations Committee, Department of Medicine, Georgetown University School of Medicine |
| 1992-1997 | Billing Committee, Department of Medicine, Georgetown University School of Medicine |
| 1993 | Pharmaceutical Promotion and Costing Education Committee, Department of Medicine, Georgetown University School of Medicine |
| 1993-1994 | Patient Care Information System Committee, Department of Medicine, Georgetown University School of Medicine |
| 1996-1997 | Quality Improvement Committee, Department of Medicine, Georgetown University School of Medicine |
| 1997 | Cochair, Supply Chain Management Task Force, Georgetown University School of Medicine |
| 1997 | Ad hoc Committee on Public Health, Georgetown University School of Medicine |
| 1997-1998 | Director, Medicare Coordinated Care Demonstration Project, Georgetown University School of Medicine |
| 1997-1998 | Thursday Group (executive leadership forum), Georgetown University School of Medicine |
| 1998-1999 | Ad hoc Committee on Clinical Problem Solving and Decision Making, Georgetown University School of Medicine |
| 1998-1999 | Committee on Faculty, Georgetown University School of Medicine |
| 2000-2002 | CERTs Database Workgroup, Duke Clinical Research Institute, Duke University School of Medicine |
| 2000-2002 | CERTs Quality Workgroup, Duke Clinical Research Institute, Duke University School of Medicine |

2000-2003 Leadership for Executives in the Health Professions, Continuing Medical Education, Duke University School of Medicine

2000 Education Committee for the Health Policy Certificate Program, Terry Sanford Institute of Public Policy, Duke University

2000 Department of Biostatistics and Bioinformatics Chair Search Committee, Duke University School of Medicine

2001-2004 Steering Committee, Center for Genome Ethics, Law and Policy, Institute for Genome Sciences and Policy, Duke University

2001-2005 Faculty Compensation Committee, Academic Council, Duke University

2002-2007 Advisory Board, Duke Clinical Research Institute, Duke University School of Medicine

2003-2005 Advisory Council, Kenan Institute for Ethics, Duke University

2003-2013 Staff and Faculty Fringe Benefits Committee, Duke University School of Medicine

2004-2010 Executive Committee, The Fuqua School of Business, Duke University

2004-2006 Director's Advisory Board, Institute for Genome Sciences and Policy, Duke University

2005 Panel Judge, Snyderman Research in Medical Education Award, Duke University School of Medicine

2005-2018 Oversight Committee. Duke/Coulter Translational Research Partnership, Duke University

2005 Working Group on the Environment and Health Sciences, Duke University

2005-2006 Global Health Institute Steering Committee, Duke University

2006-2015 Global Health Institute Executive Committee, Duke University

2005-2006 Planning Committee, 75th Anniversary of the Duke University School of Medicine

2007-2008 Duke Translational Research Institute Pilot Project Advisory Committee, Duke Translational Medicine Institute, Duke University

2009-2018 Member. Duke Comprehensive Cancer Center, Cancer Prevention, Detection and Control Program. Duke University Medical Center. Durham, N.C.

2009-2013 Executive Committee. Duke Center for Health Informatics (D-CHI). Durham, North Carolina.

2015-2018 Member. Faculty Governance Committee for the Duke Initiative for Science and Society. Durham, North Carolina.

2015-2018 Member. Executive Committee. Duke Clinical and Translational Science Award. Durham, NC.

2017-2018 Member, Promotions and Tenure Committee, Department of Medicine, Duke University

MAJOR TEACHING AND CLINICAL RESPONSIBILITIES

1987-1993 "Introduction to Health Insurance Theory for Medical Students" (annual lecture), New York University School of Medicine

1990-1992 Lectures on clinical economics and clinical decision making for medical interns, University of Pennsylvania School of Medicine

1991-1992 Teaching Instructor, Medical Clinic, Hospital of the University of Pennsylvania

1991-1992 Clinical Practice, Hospital of the University of Pennsylvania

1991-1992 Supervision of MD/MBA student for independent research project

1992 Coinstructor, "Health Economics and Clinical Decision Making" (Epidemiology 550), Master's in Clinical Epidemiology Program core course, University of Pennsylvania

1992-1996 Instructor, "Health Services Research: Clinical Applications," Graduate Public Policy Institute, Georgetown University

1992-1999 Teaching Attending Physician, General Internal Medicine Clinic, Georgetown University Medical Center

1993 Guest Lecturer, Minority High School Program, New York University School of Medicine

1997-1999 Instructor, "Economic Evaluation of Medical Care," Graduate Public Policy Institute, Georgetown University

1999-2018 Coinstructor, "Health Economics in Clinical Research" (CRP 244), Clinical Research Training Program, Duke University School of Medicine

1999-2012 Instructor, "Health Care Systems and Policy," The Fuqua School of Business, Duke University

2000 Instructor, "Pharmaceutical Management and Policy," The Fuqua School of Business, Duke University

2000-2003 Preceptor, PRIME Ambulatory Care Clinic, Durham VA Medical Center

2000-2004 Coinstructor, "Medical Practice and Health Systems" (course for second-year medical students), Duke University School of Medicine

2000-2018 Coinstructor, "Comprehensive Introduction to Clinical Research" (course for medical residents), Duke University School of Medicine

2001-2003 Lecturer, "Biotech for Business," Department of Chemistry, Duke University

2001-2012 Instructor, “Biotechnology: Management of Drug Discovery,” The Fuqua School of Business, Duke University

2005-2018 Inpatient Attending Physician, Durham VA Medical Center

2005-2006 Instructor, Duke MBA-Weekend Executive Seminar Series, The Fuqua School of Business, Duke University

2007- Faculty Leader; Health Policy Lecture Series. Department of Medicine. Duke University School of Medicine.

2008-2009 Faculty Leader, Health Policy and Health Economics. Second Year Medical Student Intercession Course,. Duke University School of Medicine.

2008 Faculty Leader, Global Crisis: *Healthcare*, The New Duke Advanced Management Program (AMP), Duke Fuqua School of Business.

2009-2016 Instructor, Federal Drug Administration (FDA) Commissioner’s Fellows, “Biotechnology: Management of Drug Discovery”, Silver Spring, MD.

2010-2012 Instructor, “Clinical Informatics and Strategy,” The Fuqua School of Business, Duke University

2014- Instructor, “Clinical Informatics and Strategy,” The Duke University School of Medicine, Duke University

2014-2016 Instructor. “Global Health Care Systems.” Duke University Master’s in Global Health, Durham, NC

2013-2016 Visiting Professor. “Innovating in Health Care” Harvard Business School, Harvard University. Boston, Massachusetts.

2014 Visiting Professor. “Innovating in Biomedical Technology” Harvard Business School, Harvard University. Boston, Massachusetts.

2014-2016 Visiting Professor. “Innovating in Healthcare Field Course” Harvard Business School, Harvard University. Boston, Massachusetts.

2019- Health Information Technology and Strategy (STRAMGT-364-01/MED-286-01). Cross-listed Stanford School of Medicine and Graduate School of Business. Stanford University.

2021- Health Information Technology and Strategy (MED-286-01). MCiM Program. Stanford University.

STUDY SECTIONS

1992-1993 Ad hoc National Scientific Review and Evaluation Group, National Cancer Institute

1993 Site Visitor, Cancer Center Renewal Application, National Cancer Institute

1993 Panel Member, Special Emphasis Panel for Demonstration and Education Research Grants, National Heart, Lung, and Blood Institute

March 1994 Ad hoc Member, Clinical Trials Review Committee, National Heart, Lung, and Blood Institute

October 1994 Consultant, Clinical Trials Review Committee, National Heart, Lung, and Blood Institute

1994- Ad hoc Reviewer, Agency for Healthcare Research and Quality (formerly the Agency for Health Care Policy and Research)

1996 Special Emphasis Panel Member, “Referrals from Primary to Specialty Care,” Agency for Health Care Policy and Research

1996-1999 Ad hoc Reviewer, Clinical Trials Review Committee, National Heart, Lung, and Blood Institute

1997-2001 Cooperative Studies Evaluation Committee, Veterans Health Administration Cooperative Studies Program

1999, 2001 Reviewer, HCFQ/Round 2 Health Tracking Proposal Review Meeting, Alpha Center and Robert Wood Johnson Foundation

1999-2006 National Advisory Committee, Investigator Awards in Health Policy Research, Robert Wood Johnson Foundation

2001 Review Panelist, “Studies of Adverse Effects of Marketed Drugs,” Food and Drug Administration, Rockville, MD

2002 Reviewer, Special Emphasis Panel, Loan Repayment Applications, US Department of Health and Human Services

2002 Reviewer, Comprehensive International Program of Research on AIDS, National Institute of Allergy and Infectious Disease

2004 Reviewer, Ethical, Legal, and Social Implications of Human Genetics, Center for Scientific Review, National Institutes of Health

2004-2005 Reviewer, Coronary Revascularization in Diabetic Patients with Multivessel Disease Trial, National Heart, Lung and Blood Institute

2008 Reviewer, Centre for Health Economics, Services, Policy, and Ethics in Cancer Control (HESPE), National Cancer Institute of Canada

2009 Reviewer, NIH ELSI Centers of Excellence Review, Bethesda, Maryland

2008- Reviewer, Susan G. Komen for the Cure/ASCO Cancer Foundation Research Initiative
2011 Reviewer, Disparities, Cancer Risk, Prevention & Prognostic Factors SEP Review, National Cancer Institute

MAJOR COMMITTEES AND APPOINTMENTS

1992-1995 Steering Committee, "Ethical Considerations in the Business Aspects of Health Care," Seminar in Business Ethics, Woodstock Theological Center, Georgetown University, Washington, DC
June 1993 Faculty Member, Canadian Collaborative Workshop on Pharmacoeconomics, Health and Welfare Canada, Ottawa, Ontario, Canada
1994 Co-chair, National Cancer Institute Economic Conference--Integration of Economic Outcome Measures Into NCI-Sponsored Therapeutic Trials, National Cancer Institute, Bethesda, Md
1995-2004 Member, Clinical Economic Working Group, Cancer and Leukemia Group B (CALGB), National Cancer Institute, Bethesda, MD
1995-2003 Conference Grant Principal Investigator, Planning Committee (Chair, Abstract Review Committee, 1995; Cochair, Abstract Review Committee, 1997), National Research Service Award Trainees Research Conference, Agency for Healthcare Research and Quality and Health Resources and Services Administration
1996-1997 Chair, National Cancer Institute-American Society of Clinical Oncology Economics Workshop, Washington, DC
1998-1999 Total Artificial Heart Review Panel, National Heart, Lung, and Blood Institute, Bethesda, MD
2007-2012 Member, Roundtable on Translating Genomic-Based Research for Health, Institute of Medicine of the National Academies, Board on Health Sciences Policy, Washington, DC
2009 Member. Governor's HIT Task Force Committee. State of North Carolina, Raleigh, North Carolina.
2010-2013 Member. Medicare Evidence Development & Coverage Advisory Committee (MEDCAC). Centers for Medicare and Medicaid Services, Department of Health and Human Services.
2010 Provenge MEDCAC Review Committee, CMS, Baltimore, MD
2010-2012 Physician Advisory Board, Blue Cross Blue Shield, NC.
2010- Health Care Policy and Management Advisory Committee. China-Europe International Business School (CEBIS). Shanghai, China.
2012-2015 Scientific Advisory Board. Nutrition Science Initiative. San Diego, CA
2013-2017 Member, Kaiser Permanente Institute for Health Policy External Advisory Board. Oakland, CA.
2016-2017 Member. Committee of Health Care Utilization and Adults with Disabilities. National Academy of Sciences. Washington, DC.
2017- Member. Leonard David Institute Executive Advisory Board. The Wharton School. The University of Pennsylvania. Philadelphia, PA.
2017- Member, Advisory Board. Department of Health Sector Management and Policy. School of Business Administration. The University of Miami. Coral Gables, FL.
2019- Academic Reviewer (Department 5 Year Review). The Wharton Health Care Management Program. Philadelphia, PA (with Amy Edmondson, Jonathan Skinner).

PANELS/SELECTED TALKS

1993 Panelist, Behavioral Working Group (Health Care Utilization), Women's Interagency HIV Study, National Institute of Allergy and Infectious Disease, Bethesda, Md
1994 Working Group Member, "Secondary Prevention Strategies of CHD: Applications of ATP II Guidelines," Division of Heart and Vascular Disease, National Heart, Lung, and Blood Institute, Bethesda, Md
1994 Session Chair, Annual Meeting of the Society for Medical Decision Making, Cleveland, Ohio
1994 Cochair, Plenary Session on Pharmacoeconomics, 34th Interscience Conference on Antimicrobial Agents and Chemotherapy, American Society for Microbiology, Orlando, Fla
1995 Panelist, Workshop to Build a National Strategy for Prevention, Management and Research in Chronic Obstructive Pulmonary Disease, National Heart, Lung, and Blood Institute, Bethesda, Md
1995 Cochair, Disease Management Short Course, Annual Meeting of the Society for Medical Decision Making, Tempe, Ariz

1995 Cochair, Disease Management Workshop, Drug Information Association, New Orleans, La

1995-1996 Working Group Member, "The Management of Patients with End-Stage Heart Failure," Northwestern University Medical School and Duke University Medical School Symposium, Orlando (1995) and Palm Beach, Fla (1996)

1995-1996 Planning Committee, Oncology Managed Care Program, Lombardi Comprehensive Cancer Center and Clinical Economics Research Unit, Georgetown University Medical Center, Bethesda, Md, and Arlington, Va (sponsored by Xerox Corporation)

1996 Participant, Mobile Breast Care Center Meeting, Department of Defense Telemedicine Test Bed, Office on Women's Health of the US Public Health Service, and National Cancer Institute, Bethesda, Md

1996 Session Chairperson, Pharmacoeconomics Workshop, Drug Information Association, New Orleans, La

1996 Panelist, "A Framework for Research and Evaluation into the Effects of Managed Care on the Pharmaceutical Marketplace," Pharmaceutical Policy Project of the Center for Health Policy Research, George Washington University, and the Office of the Assistant Secretary for Planning and Evaluation, US Department of Health and Human Services, Arlington, VA

1997 Education Session Chair, Outcomes Measurement, Annual Meeting of the American Society of Clinical Oncology, Denver, Colo

1997-1998 Panelist, "Ethical Issues in Managed Health Care Systems," Woodstock Theological Center, Georgetown University, Washington, DC

1997-1998 Panelist, Ad Hoc Outcomes/Cost-Effectiveness Advisory Panel, United States Pharmacopeial Convention, Inc, Rockville, Md

1998 Panelist, "Barriers to Conducting Outcomes Research on Medical Imaging in the Past and How the Barriers Can be Overcome" and "Utilization of Diagnostic Tests: Assessing Appropriateness," Methodological Issues in Diagnostic Clinical Trials: Health Services and Outcomes Research in Radiology, Office on Women's Health, Public Health Service, and National Cancer Institute, and ACR Commission on Research and Technology Assessment, Bethesda, Md

1998 Panelist, "Cost Management in Advanced Heart Failure," Advanced Heart Failure Meeting, Charleston, SC

1998 Panel Member, "The Economics and Financing of End-of-Life Care," Project on Death in America Meeting, Open Society Institute, Washington, DC

October 1999 Course Coordinator, "Prospective Economic Evaluation of Clinical Trials: Methods and Analysis," Annual Meeting of the Society for Medical Decision Making, Reno, NV

November 1999 Session Chair, "Economic Assessment in Clinical Trials: Design and Analysis" Drug Information Association, Orlando, FL

April 2000 Participant, "Assuring Appropriate Use of Pharmaceuticals: Balancing Cost and Quality," Prescription Drug Coverage: Rising Expenditures, Appropriate Use and Program Strategies, Agency for Healthcare Research and Quality, Washington, DC

September 2000 Coordinator, "Economic Evaluations of Multicenter, Multinational Clinical Trials," Second European Conference on the Economics of Cancer, European Organization for Research and Treatment of Cancer, Brussels, Belgium

September 2000 Panelist, "Race, Health Care, and Ethics: Speaking Truth to Power," Congressional Black Caucus Health Braintrust, Washington, DC

October 2000 Course Coordinator, "Prospective Economic Evaluation of Clinical Trials: Methods and Analysis," Annual Meeting of the Society for Medical Decision Making, Cincinnati, Ohio

December 2000 Panelist, "The Power of Physician Payment: Designing Incentives in a New Era," Changes in Health Care Financing and Organization, The Robert Wood Johnson Foundation. Washington, DC

2000 Panelist, "Solutions for Racial and Ethnic Disparities in Health Care," Institute for Diversity in Health Management, Advancing Health in America, Washington, DC

April 2001 Program Chair, "Internet Health Information Programs: Overview and Market Opportunities," Drug Information Association and Duke Clinical Research Institute, Durham, NC

May 2001 Panelist, "Breakfast with the Experts," Sixth Annual International Meeting of the International Society for Pharmacoeconomics and Outcomes Research, Arlington, Va

May 2001 Cochair, "Patient Centered Abstracts" Program Committee, Annual Meeting of the Society of General Internal Medicine, San Diego, Calif

June 2001 Session Chair, "Genetics and the Biotechnology Revolution," Annual Meeting of the Academy for Health Services Research and Health Policy, Atlanta, Ga

2001 Panelist, "The Productivity Factor: The Most Critical Variable," International Society for Technology Assessment in Health Care, Philadelphia, Pa

2001 Specified Data Solicitation Review Panel, Changes Health Care Financing and Organization, The Robert Wood Johnson Foundation, Washington, DC

2001 Panelist, "Ethical, Legal and Societal Issues in Biotechnology: A Primer for Industry Leaders," Center for Genome Ethics, Law and Policy, Duke University, Durham, NC

April 2002 Panelist, "Racial/Ethnic Bias and Health: Scientific Evidence, Methods, and Research Implications," Office of Behavioral and Social Sciences Research, National Institutes of Health, Vienna, Va

May 2002 Issues Panel Chair, "How Does Genomics Change Portfolio Management?," Seventh Annual International Meeting of the International Society for Pharmacoeconomics and Outcomes Research, Arlington, Va

2002 Panelist, Expert Meeting on Assessing the Spillover Effects of Managed Care on Medicare Fee-for-Service Expenditures, US Department of Health and Human Services, Washington, DC

2002 Panelist, "Challenges Seniors Face in Getting the Right Drug Therapy," Idea Rich Environment Discussion, United Health Group

2002 Session Codirector, "Coverage and Reimbursement: The Relationship Between Technology Approval and Reimbursement in the US: Where Are We? Where Are We Going?" Duke Clinical Research Institute, McLean, VA.

January 2003 Moderator, "Navigating the Pharmaceutical and Biotechnology Coverage of Reimbursement Process," Health Strategies Consultancy LLC, Washington, DC

May 2003 Program and Plenary Session Chair, Eighth Annual International Meeting of the International Society for Pharmacoeconomics and Outcomes Research, Arlington, Va

October 2003 Moderator, "Leading the Revolution in Health Care," Coach K Conference on Leadership, Duke University, Durham, NC

2003-2012 Avedis Donabedian Outcomes Research Lifetime Achievement Award Committee (Chair, 2007-present), International Society for Pharmacoeconomics and Outcomes Research, Arlington, Va

May 2004 Nominations Committee, Annual Meeting of the Society for General Internal Medicine, Chicago, Ill

June 2004 Planning Committee, AcademyHealth Annual Research Meeting, San Diego, California

October 2004 Moderator, "Challenges to the Generation of Clinical Evidence in Medical Device Trials," Medicare Coverage/Master the Changing Landscape, Health Strategies Consultancy LLC, Washington, DC

November 2004 Panelist, "What The 2004 Election Means for Health Policy in 2005 and Beyond," UNC-Duke Health Policy Forum, University of North Carolina at Chapel Hill

November 2004 Panelist, "Promises and Pitfalls of Web Publishing for Health Services Research: An Expert Meeting," AcademyHealth and the Agency for Healthcare Research and Quality, Washington, DC

February 2004 Panelist, Non-ST Elevation Myocardial Infarction Session, Fourteenth Annual Cardiovascular Conference, Beaver Creek, CO

2004-2009 Program Committee, Accelerating Anticancer Agent Development and Validation Annual Workshop, Duke Comprehensive Cancer Center with National Cancer Institute, American Association for Cancer Research, American Society of Clinical Oncology, National Cancer Institute, and others, Bethesda, MD

2004-present Advisory Board Member, The Health Industry Forum, Schneider Institute for Health Policy, Brandeis University

2004-2011 Member, Data and Safety Monitoring Board, "Future Revascularization Evaluation in Patients With Diabetes Mellitus: Optimal Management of Multivessel Disease (FREEDOM)," National Heart, Lung, and Blood Institute

May 2005 Panelist, "Global Health and Reducing Disparities: The Role of the University," North Carolina Regional Meeting, Institute of Medicine of the National Academies, Duke University, Durham, NC

June 2005 Panelist, Symposium on the Integrity of Reporting of Clinical Research Studies, Association of American Medical Colleges, Washington, DC

November 2005 Panelist, "Who Pays? Who Benefits? A Discussion of Distributional Issues in American Health Care," Duke University School of Law, Durham, NC

November 2005 Panelist, "Fee-for-Service Trends: Evidence-Based Medicine in Part B," Second Annual National Medicare Prescription Drug Congress, Washington, DC

December 2005 Panelist, Economic Impact of Health Care Regulations Town Hall Meeting, Action to Reduce Regulatory Burden, Office of the Assistant Secretary for Planning and Evaluation, US Department of Health and Human Services, Chicago, Ill

2005 Dissertation Defense Discussant for Peter Lindgren, "Modeling the Economics of Prevention," Institute of Environmental Medicine, Karolinska Institutet, Stockholm, Sweden

2005 Participant, "Cardiac Disease and Its Impact on Society," *Health Affairs* Theme Issue Planning Meeting, Washington, DC

2005 Technical Advisory Panel, Vanderbilt Center for Better Health, Vanderbilt University, Nashville, Tenn

2006 Duke University Health System/City of Durham Crime Initiative Steering Committee, Duke University, Durham, NC

- 2006 Panelist, "Discuss How New Approaches Could Work with the Case Example (Zometa)," Understanding the Benefits and Risks of Pharmaceuticals, Forum on Drug Discovery, Development, and Transition, Institute of Medicine of the National Academies, Washington, DC
- 2006 Participant, "Reinventing Health Care Delivery in the 21st Century," Council on Health Care Economics and Policy, The Robert Wood Johnson Foundation, Princeton, NJ
- 2006 Panelist, "The Future of Emerging Markets in Cardiovascular Biotechnology Pharma, and Medical Devices: Where is the Money Coming From and Where Is It Going?," SIS 2006: Emerging Technologies Symposium, Science Innovation Synergy, Bellevue, Wash
- 2006-2007 Member, "Development of a Practice Guideline Regarding the Use and Dosing of Warfarin, Based on Testing of CYP450 2C9 and VKORC1," American College of Medical Genetics Foundation
- June 23, 2008 Session Chair and Discussant. "Doctors, Patients, and the Racial Mortality Gap: What are the Causes? "Neighborhood Differences and Health Disparities, The 2nd Biennial Conference of the American Society of Health Economists (ASHE), Durham, NC.
- June 23, 2008 Session Chair. "Hospital Quality." The 2nd Biennial Conference of the American Society of Health Economists, (ASHE), Durham, NC.
- June 24, 2008 Panel Discussant. "Information and Quality when Motivation is Intrinsic: Evidence from Surgeon Report Society for Health Economics, The 2nd Biennial Conference of the American Society of Health Economists.
- 2009 Member, Planning Committee. "Systems Evaluation of Genome-Based Health Care". Institute of Medicine. Washington, DC.
- 2009 Member, Roundtable. "Effectiveness Research Innovation Collaborative (ER-IC)". Institute of Medicine. Washington, DC.
- 2009 Chair. Clinical Effectiveness Research Innovation Collaborative Committee (CER-IC), Institute of Medicine, Washington, DC.
- 2009-2010 Member. Commission on Accreditation of Healthcare Management Education Standards Council. MBA Task Force. Arlington, Virginia.
- Nov 12, 2009 Panel Discussant, "Law School Panel on Health Care", Duke Forum of Law and Change. Duke University Law School. Durham, NC.
- Feb 22, 2010 Panel Discussant. "Impact of Healthcare Reforms on Biotech", CED's Biotech 2010 Conference, Raleigh, North Carolina.
- April 17, 2010 Panel Discussant, "Panel discussion on "Health Care: Why it passed – or failed...again", Duke Arts & Academics. Durham, North Carolina.
- Sept 22, 2010 Panel Discussant, "Cost Savings and Consumer Preference", 2010-11 Harkness Fellows' Orientation Seminar, Harkness Fellowship in Health Care Policy and Practice. The Commonwealth Fund. New York, New York.
- Oct 12, 2011 Moderator, Panel Discussion: Providers & Payers: What are their consumer programs and their challenges? Duke University's Third Annual Medical Innovation & Strategies Conference: Consumer Healthcare & Wireless Technologies. Durham, North Carolina.
- Oct 15, 2010 Panel Member: Impact of Health Policy on Patient Care and Nursing Education Duke University. School of Nursing, Board of Advisors Meeting, Durham, NC
- Oct 20, 2011 Panel member: Resolved: ACOs – Nice Idea, Won't Work. A Symposium Debate, 2011 Connected Health Symposium Driving Quality Up and Costs Down: New Technologies for an Era of Accountability, Boston, MA
- Oct 21, 2011 Panel Member: Closing Panel: A Special Symposium Discussion 2011 Connected Health Symposium Driving Quality Up and Costs Down: New Technologies for an Era of Accountability, Boston, MA
- 2011- Advisory Board Member. China-Europe International Business School (CEIBS) Centre for Health Care Policy and Management. Shanghai, China.
- Nov 7 & 8 2011 Panel Member: Envisioning a Transformed Clinical Trials Enterprise in the United States: Establishing an Agenda for 2020. "IOM Drug Forum Clinical Trials Enterprise Workshop". Washington, DC
- Dec 3- 4, 2013 Faculty Leader, "Innovation in Health Care 2013: A Management Education Agenda." Duke University Medical Center, Durham, North Carolina.
- Sept 14, 2015 Moderator: Session III, Specialty Pharmaceuticals Marketplace: Is Price Inelasticity Sustainable? 2015 Princeton Conference Report. The Council on Health Care Economics and Policy at Brandeis University. Princeton, New Jersey.
Health Policy Expert. NEJM 360.
- Sept 29, 2017 Panelist. Unbundling and rebundling health benefits: Innovative rethinking of health care delivery and competition. American Enterprise Institute, Washington, DC.
- October 6, 2017 Moderator. Innovation Education for Life Sciences: Degree Students, Executives, and Professionals. Global Educators Network for Health Care Innovation Education (GENiE) Conference, Boston, MA.

2018- International Advisory Board Member. International Clinical Economic Evaluation Experts Cooperation Committee. Beijing, China.

LECTURES BY INVITATION

September, 1987 "Introduction to Health Insurance Theory for Medical Residents," New York University School of Medicine, New York, NY

October 17, 1989 "Assessing Physicians' Estimates of the Probability of Coronary Artery Disease," Annual Meeting of the Society for Medical Decision Making, Minneapolis, Minn

February, 1990 "The Cost-Effectiveness of the Pharmacologic Treatment of High Blood Cholesterol," Mid-Atlantic Regional Meeting of the Society for General Internal Medicine, Philadelphia, Penn

May, 1990 "Cost-Effectiveness of Low-Dose Zidovudine Therapy for Asymptomatic Patients Infected with Human Immunodeficiency Virus," National Meeting of the American Federation for Clinical Research, Washington, DC

November, 1990 "Societal Costs of Liver Transplantation: Implications for Program Management," Annual Meeting of the Society for Medical Decision Making, Boston, Mass

April 6, 1991 "Cost-Effectiveness of Low-Dose Zidovudine Therapy for Asymptomatic Patients Infected with Human Immunodeficiency Virus," International Seminar Series: The Management of HIV Infection: Economic Aspects of HIV Management, The Wellcome Foundation, Lausanne, Switzerland

May 9, 1991 "Cost-Effectiveness as a Tool: Application to the Therapy of Hypercholesterolemia," Endocrine Grand Rounds, Hospital of the University of Pennsylvania, Philadelphia, Pa

July 2, 1991 "Technology Assessment: Clinical Economic Impact of HA-1A Monoclonal Antibody for Gram-Negative Sepsis," Annual Meeting of the Association for Health Services Research, San Diego, Calif

October 9, 1991 "Evaluations of the Results of Health Economics Studies: Quality of Life, Quantification of Benefits and Quality Adjusted Life Years," Seminar on Health Economics, Presentation to the Director General of the Division of Pharmaceutical Affairs, Portuguese Health Ministry, Cascais, Portugal

October 23, 1991 "Prospective Economic Assessment of Medical Technologies: Methodologic Issues in Medicare Funding of New Technologies," Annual Meeting of the Society for Medical Decision Making, Rochester, NY

November 12, 1991 "Evaluation of Cancer Diagnostic Tests: Understanding the Implications of New Technologies," Office of Device Evaluation, Food and Drug Administration, Rockville, Md

May 13, 1992 "Economic Assessment of Pharmaceuticals: Formulary Assessment," Ralph D. Arnold Pharmaceutical Services Management Course, US Department of the Army, Denver, Colo

May 25, 1992 "Economic Evaluation of HA-1A Therapy," Annual Meeting of the Society of Critical Care Medicine, San Antonio, Tex

June 1, 1992 "Cost-Effectiveness of Cholesterol-Lowering Drug Therapy," Annual Meeting of the American Society of Hospital Pharmacists, Washington, DC

September 22, 1992 "Integrating Economic Evaluations Into Phase III Clinical Trials: The Multidisciplinary Team," Annual Seminar of the Project Management Institute, Pittsburgh, Pa

September 23, 1992 "Valuing Costs and Benefits of Pharmaceuticals," Roundtable on Cost-Effectiveness and Public Policy, Institute for Public Policy Studies, Vanderbilt University, Nashville, Tenn

October 18, 1992 "Comparing Methods to Project Cost-Effectiveness Ratios from Clinical Trials," Health Policy: Values, Outcomes and Choices, Annual Meeting of the Society for Medical Decision Making, Portland, Ore

October 19, 1992 The CDC Lookback Programs for HIV Transmission, Public Transmission: Public Safety from a Negative Epidemiologic Study

March 12, 1993 "Application of Economic Analysis to Clinical Practice: The Case of HA-1A Therapy," Second Regional Symposium of the Canadian Coordinating Office for Health Technology Assessment, Calgary, Alberta

March 23-24, 1993 "Cost-Effectiveness: Definitions and Overview of International Approach. Critique of Guidelines, Clinical Data, Surrogate Endpoints, Economic Assessment of Pharmaceuticals," Meeting of the Drug Information Association, Sydney, Australia

April 26, 1993 "Integrating Cost-Effectiveness Analysis into Pulmonary Rehabilitation Research," NIH Pulmonary Rehabilitation Workshop, National Institute of Child Health and Human Development and National Heart, Lung, and Blood Institute, Bethesda, Md

- May 1, 1993 "Economic Evaluation of Clinical Trials," Annual Meeting of the Society for General Internal Medicine, Washington, DC
- June 21-22, 1993 "An International Perspective on Guidelines Development: Approaches, Challenges, and Future Directions--USA," Canadian Collaborative Workshop on Pharmacoeconomics, Health and Welfare Canada, Sainte-Adele, Quebec
- December 7, 1993 "Economic Evaluation of Clinical Practice," Annual Meeting of the American Academy of Dermatology, Washington, DC
- April 21, 1994 "Overview of Clinical Economics--Case Discussion: Stage II and III Breast Cancer," National Cancer Institute Symposium on Integration of Economic Outcome Measures into NCI-Sponsored Therapeutic Trials, Bethesda, Md
- April 27, 1994 "Development of the Interactive Computer Program in Clinical Economics," Microcomputer Users Group Workshop, Annual Meeting of the Society for General Internal Medicine, Washington, DC
- May 9, 1994 "Economic Evaluation in Clinical Trials," Annual Meeting of the Society for Clinical Trials, Austin, Tex
- July 19, 1994 "Development of Multi-Media Educational Material: A Case Study Workshop," Annual Meeting of the American Association of Colleges of Pharmacy, Albuquerque, NM
- September 20, 1994 "Pharmacoeconomic Claims in Drug Advertising (Rx2-87)," Annual Conference and Exhibition of the Regulatory Affairs Professionals Society, Washington, DC
- October 1, 1994 "Essentials of Economic Evaluation," Economic Working Group, Cochran Colloquium, Ontario
- October 7, 1994 "Overview of Pharmacoeconomics," 34th Interscience Conference on Antimicrobial Agents and Chemotherapy, American Society for Microbiology, Orlando, Fla
- November 1, 1994 "New Uses of Multimedia in Computer-Assisted Learning," Association of American Medical Colleges, Boston, Mass
- November 2, 1994 "The Role of Economic Evaluation in the Assessment of Therapeutic Efficacy for New Compounds," Food and Drug Administration Staff College, Bethesda, Md
- November 10, 1994 "Using Economic Analysis to Determine Endpoints for Clinical Trials," Drug Information Association Conference on Cost-Effectiveness Analysis-Measures and Methods in Clinical Trials, Orlando, Fla
- March 14, 1995 "Analysis of Pharmacoeconomic Data," Drug Information Association Biostatistics Conference, Hilton Head, SC
- April 3, 1995 "Designing Trials for Economic Evaluations," International Symposium on Issues of Standardization in Economic Evaluations of Pharmaceuticals, Center for Pharmaceutical Outcomes Research, Chapel Hill, NC
- May 5, 1995 "Economic Assessment of Cancer Therapies," Annual Meeting of the Cancer and Leukemia Group B, Providence, RI
- June 6, 1995 "A Health Services Approach to the Evaluation of Innovative Pharmaceuticals and Biotechnology Products," Annual Meeting of the Association for Health Services Research and the Foundation for Health Services Research, Chicago, Ill
- June 29, 1995 "Prospective Economic Evaluation of Clinical Therapies," Grand Rounds, Roswell Park Cancer Center, Buffalo, NY
- July 31, 1995 "Approaches for Technology Assessment in Telemedicine in the Department of Defense," Session Provocateur, Chestertown Roundtable, Symposium of the Department of Defense Telemedicine Testbed Program, Chestertown, Md
- September 22, 1995 "Pharmacoeconomics and New Drug Evaluation," Annual Meeting of the American College of Clinical Pharmacology, Rockville, Md
- October 10, 1995 "Designing Trials for Economic Evaluations," Grand Rounds, Fairfax Hospital, Fairfax, Va
- October 14, 1995 "Introduction to Disease Management," Disease Management Short Course, Annual Meeting of the Society for Medical Decision Making, Tempe, Ariz
- November 6-7 1995 "What Are the Issues and Problems in Defining Quality Oncology Care?," Session Moderator, Oncology Managed Care Program, Xerox Corporation and the Lombardi Comprehensive Cancer Center and the Clinical Economics Research Unit, Georgetown University Medical Center, Bethesda, Md
- November 10, 1995 "Designing Trials for Economic Evaluations," Methodologies in Healthcare Outcomes in Gastroenterology: A Workshop Symposium, University of Illinois at Chicago Medical Center and the Gastroenterology Research Group, Chicago, Ill
- December 1-2, 1995 "Methodological and Statistical Issues of Quality of Life and Economic Evaluation in Cancer Clinical Trials," Session Chairperson, EORTC Symposium, Brussels, Belgium

December 5, 1995 "The Rationale for Disease Management," Drug Information Association Disease Management Workshop, New Orleans, La

February 27, 1996 "Clinical Economics," Grand Rounds, Howard University Hospital, Washington, DC

March 21, 1996 "Disease Management: Dissecting the Gatekeeper Model," Agency for Health Care Policy and Research, Rockville, Md

April 19, 1996 "Reforming the Food and Drug Administration: The Pharmaceutical Approval Process," American Enterprise Institute for Public Policy Research, Washington, DC

May 7, 1996 "HMOs' Purchase of Tertiary Care Services in Three Markets," Oncology Managed Care Program, Xerox Corporation with the Lombardi Comprehensive Cancer Center and the Clinical Economics Research Unit, Georgetown University Medical Center, Arlington, Va

July 31, 1996 "Cost-Effectiveness Issues in Screening Programs," Mobile Breast Care Center Meeting, Department of Defense Telemedicine Testbed, Office on Women's Health, Public Health Service and the National Cancer Institute, Bethesda, Md

August 24, 1996 "Designing Trials for Economic Evaluations," Methodologies in Outcomes Research for Gastroenterologists Workshop, University of Illinois at Chicago Medical Center and the Gastroenterology Research Group, Seattle, Wash

September 6, 1996 "Study of Bone Diseases: Economic Evaluation," Third International Bone Disease Symposium of the International Federation of Societies on Skeletal Diseases, in conjunction with the International Society for Clinical Densitometry, Chantilly, Va

October 24, 1996 "PBM Roundtable," Center for the Study of Drug Development, Tufts University, Boston, Mass

November 1, 1996 "Economic Evaluation of Cancer Therapies," Grand Rounds, Memorial Sloan Kettering Cancer Center, New York, NY

November 14-15, 1996 "Design of Clinical Trials for Economic Evaluation" and "The Results of the FIRST Study Economic Evaluation," Drug Information Association Workshop, New Orleans, La

November 20, 1996 "Policy Issues in Pharmaceutical Cost-Effectiveness Research," Discussant, American Enterprise Institute for Public Policy Research, Washington, DC

March 9, 1997 "Marketing of Generic Drugs," Annual Meeting of the Generic Pharmaceutical Industry Association, Miami, Fla

April 17-19, 1997 "ACE Inhibitors for CHF: Comparative Economic Data," Economics and Cost Effectiveness in Evaluating the Value of Cardiovascular Therapies, Duke Clinical Research Institute, St. Petersburg, Fla

May 18-19, 1997 "Outcomes Measurement" Education Session Chair, and "Health Services Research" Discussant, Annual Meeting of the American Society of Clinical Oncology, Denver, Colo

May 26, 1997 "Data Collection in Prospective Economic Studies," Annual Meeting of the International Society of Technology Assessment in Health Care, Barcelona, Spain

July 23, 1997 "Clinical Economics and Reimbursement for New Technologies," Ministry of Health and Welfare, Tokyo, Japan

July 23, 1997 "Economic Evaluation in Clinical Trials," Keio University, Tokyo, Japan

September 19, 1997 "Designing Trials for Economic Evaluation," Speaker and Session Chair, Methodologies in Healthcare Outcomes in Gastroenterology, Philadelphia, Pa

September 30, 1997 "The Relationship Between CD4 Count, Viral Burden, and Quality of Life Over Time in HIV-1 Infected Patients," 37th Interscience Conference on Antimicrobial Agents and Chemotherapy, Toronto, Ontario

November 6, 1997 "Introduction to Economic Assessment in Clinical Trials," Drug Information Association Workshop, Hilton Head, SC

February 3, 1998 "Comparative Research on Cost Effectiveness of Alternative Disease Treatments," New York Pharma Forum, Inc, New York, NY

July 2, 1998 Speaker, "The Effect of Pharmaceutical Benefits Managers: Is it Being Evaluated?," Pharmaceutical Issues Seminar, Consumer Federation of America, Washington, DC

September 24, 1998 "Bayesian Analysis in Laypersons' Terms," Session Chair, Health Economics and Outcomes Research: Making Statistics and Analysis More Relevant to Decision Makers, Medtap International and the Agency for Health Care Policy and Research, Chantilly, Va

October 3, 1998 "What Outcomes Research Tells Us About Cost-Effectively Managing Cardiovascular Risk," Heart to Heart Symposium, United HealthCare, Orlando, Fla

October 25, 1998 "Prospective Economic Evaluation of Clinical Trials: Methods and Analysis," Course Coordinator, Annual Meeting of the Society for Medical Decision Making, Boston, Mass

October 26, 1998 "The Effect of Race and Gender on Referral for Cardiac Catheterization," Annual Meeting of the Society for Medical Decision Making, Boston, Mass

October 29, 1998 “The True Costs of Pharmaceutical Therapy: Adverse Drug Reactions and Their Effect on the Health Care System,” Quality of Care, Meeting on the Needs of Diverse Populations. 13th Annual Symposium of the Center for Clinical Quality Evaluation, Arlington, Va

November 10, 1998 “Economic Evaluation of Clinical Trials: Talking Past Customers,” Economic Assessment in Clinical Trials: Design and Analysis, Drug Information Association Workshop, New Orleans, La

December 9, 1998 “The Effect of Race and Gender on Physician Recommendation for Cardiac Catheterization,” Grand Rounds, Mayo Clinic, Rochester, Minn

March 9, 1999 “Effect of Race and Gender on Physician Recommendation for Cardiac Catheterization,” Annual Scientific Session of the American College of Cardiology, New Orleans, La

May 7, 1999 “Moral Hazard Revisited: Is Health Insurance an Appropriate Financing Mechanism for Pharmaceutical Products?,” Keynote Speaker, Fifth Wintergreen Conference of the University of Maryland and the Center on Drugs and Public Policy, Wintergreen, Va

May 14, 1999 “Academic-PRO Collaborations,” DC Campaign for Medicare Excellence, Washington, DC

May 19, 1998 “Race and Gender Disparities in Health Care,” Special Guest, Congressional Black Caucus, Washington, DC

May 20, 1998 “The Effect of Race and Gender on Physician Recommendation for Cardiac Catheterization,” Office of Civil Rights Managers Conference, Office of Civil Rights, US Department of Health and Human Services, Washington, DC

June 10, 1999 “Race and Gender Bias in Clinical Decision Making,” Women’s Health Seminar Series, Department of Health and Human Services, Washington, DC

October 14, 1999 “Race as a Factor in Medical Decision-Making,” Race, Ethnicity, and Medical Care: Improving Access in a Diverse Society, The Henry J. Kaiser Family Foundation, and Washington, DC

October 22, 1999 “Moral Hazard Revisited: Is Health Insurance an Appropriate Financing Mechanism for Pharmaceutical Products?” Program on Health Outcomes Seminar Series, University of North Carolina at Chapel Hill

November 8, 1999 “Race as a Factor in Physician Decision-Making,” Eliminating Racial and Ethnic Disparities: Identifying Challenges and Building Partnerships, Mount Sinai School of Medicine and the Greater New York City Hospital Association, New York, NY

November 15, 1999 “Introduction to Economic Assessment in Clinical Trails: Design and Analysis,” Drug Information Association, Orlando, Fla

April 3-4, 2000 “Internet Health Information Programs: Overview and Market Opportunities,” Program Chairperson, Drug Information Association, Durham, NC

June 18, 2000 “The New Millennium: “The Impact of Genetics on the Structure of the Health Sector,” The Charlene Worcester Memorial Lecture, Baptist Health System. Birmingham, Ala

March 29, 2000 “Maximizing the Value of Phase III Clinical Trials”: Balancing the interest of the public in evidenced based medicine with access to new therapies and the need for return on investment by industry, Reducing Costs of Phase III Clinical Trials, Duke Clinical Research Institute, Vienna, Va

December 1, 2001 “Eliminating Racial Disparities in Health Care”, Racial Disparities in Health Care Outcomes: Sources, Science, and Solutions, Student National Medical Association Regional Conference. Duke University Medical Center, Durham, NC

June 11, 2001 “Genomics and the Biotechnology Revolution” 2001 Annual Meeting of the Academy for Health Services Research and Health Policy, Atlanta, Ga

July 20, 2001 “Race, Sex, and Clinical Decision Making,” Seminar Series on Methods in Health Disparities Research, Health Services Research, University of North Carolina at Chapel Hill

January 22, 2002 “Eliminating Racial Disparities in Health Care,” Martin Luther King, Jr, Day Celebration, Duke University Medical Center, Durham, NC

January 24, 2002 “The Future of the Health Care System,” Triangle Healthcare Executive Forum, Durham, NC

September 24, 2002 “The Implications of Genomics for the Practice of Medicine,” Baptist Montclair Annual Medical Staff Meeting, Birmingham, Ala

November 1, 2002 “Results of the *NEJM* Survey,” Conflict of Interest Roundtable Meeting, Duke Clinical Research Institute, Tysons Corner, Va

July 17, 2002 “Interpreting Racial Disparities in Access to Health Care,” Ethics, Humanism and Health Care Policy Seminar of the Minority Medical Education Program. Duke University, Durham, NC

February 28, 2003 “Eliminating Racial Disparities in Health Care,” Minority Health Conference, University of North Carolina at Chapel Hill

May 5, 2003 “Reaction to Bhattachayra’s Work an Preserving Incentives to Innovate;” Integrity & Accountability in Clinical Research , 2nd Annual Clinical Research Conference, National Patient Safety Foundation, Queenstown, Md

October 25, 2003 "Implications of Health Disparities", NC Health and Wellness Trust Fund Commission, Greensboro, NC

November 1, 2003 "Eliminating Racial Disparities in Health Care," Mending the Health Care Divide: Eliminating Disparities in Access for Minority and Low Income Communities, University of North Carolina School of Law, Chapel Hill, NC

November 6, 2003 "Access to and Availability of Health Care Systems", 2003 Faith Conference, North Carolina Public Health, Greensboro, NC

November 12, 2003 "Barriers to Healthcare in Durham County," Durham Health Summit 2003, Durham, NC

March 20, 2004 "Louis Diamond Lecture: Integrating Business Principles into Nephrology Practice," Renal Physicians 2004 Annual Meeting, Washington, DC

November 11, 2004 "Economics of Oncology Drug Development," Breast Spore Workshop, Duke Comprehensive Cancer Center, Chapel Hill, NC

November 13, 2004 "A National Look at Quality of Health Care," Advancing Care & Practice: A Performance Challenge, 2004 Emerging Issues Forum, North Carolina Medical Society, Pinehurst, NC

February 16, 2005 "Issues of Health Policy and Their Impact on Acute MI Care," The Fourteenth Annual Cardiovascular Conference, William Beaumont Hospital, Beaver Creek, Colo

February 24, 2005 "The Impact of Being Uninsured on Status," Meeting of the Task Force on Covering the Uninsured, North Carolina Institute of Medicine, Cary, NC

April 25, 2005 "Economics in Decision-Making in Healthcare: Making the Case for Patient-Centric Health Records and Information," 2005 Almaden Institute, Transforming Healthcare with Information, IBM Almaden Research Center, San Jose, Calif

May 16, 2005 "Can Society Afford State-of-the-Art Cancer Treatment?" ASCO Plenary Session, 2005 Annual Meeting, Orlando, Fla

September 20, 2005 "The Economics of ICDs," 9th Annual Scientific Meeting, Heart Failure Society of America, Boca Raton, Fla

October 17, 2005 "Opportunities for Collaboration With Other Duke Schools and Institutes," Strategic Planning Meeting, Cancer Prevention, Detection, and Control Program, Duke Comprehensive Cancer Center, Duke University Medical Center, Durham, NC

October 27, 2005 "Disparities as Marker of System Performance," 75th Anniversary Celebration Medical Alumni Weekend, Duke University School of Medicine, Durham, NC

November 1, 2005 "Consumer-Driven Health Care," Triad Association of Health Underwriters, Greensboro, NC

May 17, 2006 "Economics of Drug Development," Accelerating Anticancer Agent Development and Validation Workshop, Duke Comprehensive Cancer Center, Bethesda, Md

June 2, 2006 "Health Economics 101: Does Cancer Treatment Cost Too Much?," The Cost of Cancer Care in the 21st Century: Challenges and Solutions, 2006 Annual Meeting of the American Society for Clinical Oncology, Atlanta, Ga

July 19, 2006 "Pharmacogenomics and Cardiovascular Business Strategy," SIS 2006: Emerging Technologies Symposium, Science Innovation Synergy, Bellevue, Wash

November 29, 2006 "Post Marketing Drug Surveillance," NEI/FDA Ophthalmic Clinical Trial Design and Endpoints Meeting, Washington, DC

December 7, 2006 "Incentives for Innovation: Cancer Therapies in a Personalized Medicine Paradigm," Developing a Health Services Research Agenda on Emerging Cellular, Molecular, and Genomic Technologies in Cancer Care, National Cancer Institute, Bethesda, Md

December 4, 2006 "Creating the Climate for Personalized Medicine," The Genetic Age: The Era of personalized Medicine, Northwestern University, Chicago, Ill

June 5, 2007 "Benefit in Oncology: What Are the Criteria?" Translating Research into Practice, 2007 Annual Meeting of the American Society for Clinical Oncology, Chicago, Ill

September 25, 2007 "Quality from an Organizational Perspective," Duke Clinical Research Institute, Research Conference, Duke University Medical Center, Durham, North Carolina

October 3, 2007 "Accelerating Adoption of Personal Health Records." University of North Carolina, School of Public Health, Chapel Hill, North Carolina

October 5, 2007 "Collaborations Among Academia, Pharma, Biotech, and Government," National Cancer Policy Forum Workshop on Improving the Quality of Cancer Clinical Trials, Institute of Medicine of the National Academies, Washington, DC

October 8, 2007 "Health Care Costs and Projections," Health Policy Lecture Series, Department of Medicine, Duke University Medical Center, Durham, North Carolina

December 4, 2007 "Innovation: Understanding Types of Innovation and Implications for Policy," Roundtable on Translating Genomic-Based Research, Health Board on Health Sciences Policy, Washington, DC

| | |
|--------------------|--|
| March 19, 2008 | “The Costs of Cancer Care,” Hematology/Oncology Grand Rounds, Duke University Medical Center, Durham, North Carolina |
| May 5, 2008 | “Health Care Disparities,” Health Policy Lecture Series, Department of Medicine, Duke University Medical Center, Durham, North Carolina |
| June 5, 2008 | “Quality and Strategy,” Duke Educational Workshop, 2008 Thomson 100 Top Hospitals Summit, Colorado Springs, Colorado. |
| November 17, 2008 | “Drug Safety”, Cardiology Grand Rounds, Department of Medicine, Duke University Medical Center, Durham, North Carolina. |
| March 12, 2009 | “The Macroeconomics of Health Care in the US”, Radiology Grand Rounds, Department of Medicine, Duke University Medical Center, Durham, North Carolina. |
| April 14, 2009 | “Dollars and Sense: Factors Pushing Clinical Research Out of the US,” American Federation for Medical Research, The Current Crisis in Clinical Research Conference. Washington, DC. |
| April 23, 2009 | “Challenges in Achieving a ROI in Health IT Based on the Health IT Provisions of the American Recovery and Reinvestment Act of 2009”, Keynote Speaker, Delivering on the Value Proposition for Connectivity and Health, The Fuqua School of Business, Duke University, Durham, North Carolina. |
| May 26, 2009 | "Health Reform in the US; Implications for Hospitals and Organizational Design", Graduate School of Management, St. Petersburg, Russia. |
| June 20, 2009 | “Creating Value in the Healthcare System”, Keynote Speaker. The 5 th Annual China Health Care Forum 2009, Value Creation in Health Care. China Europe International Business School, Pudong, Shanghai. |
| June 23, 2009 | “Clinical Construction of Pharmacoeconomics, Effectiveness, and Outcome Evidence”, 45 th Drug Information Association Meeting, San Diego, California. |
| September 14, 2009 | “Is Healthcare Recession Proof.” Federation of India Chambers of Commerce and Industry (FICCI), Delhi, India |
| October 8, 2009 | “Health Care, Health Insurance, and the Future of the Health System”, Humanities in Medicine Lecture Series. Duke University Medical Center. Durham, North Carolina |
| November 7, 2009 | “Organization Innovation: The Future Shape of Academic Medicine”, Society of Clinical Surgery Meeting, Durham, North Carolina. |
| November 17, 2009 | “Organizational Innovation in Healthcare: Lessons from Emerging Markets”, Harvard School of Business. Boston, Massachusetts. |
| December 1, 2009 | “Health Care Economics & Health Care Disparities”, Health Policy Lecture Series, Duke University Medical Center. Durham, North Carolina. |
| June 4, 2010 | “The Economics of it All, What Do We Need to Know?” Pharmacogenetics and Hepatitis: C: Unraveling new Pieces of the Puzzle. Beth Israel Deaconess Medical Center and Duke Clinical Research Institute. McLean, Virginia. |
| June 23, 2010 | “Economics of Oncology Drug Development”, 2010 Accelerating Anticancer Agent Workshop. Sponsored by FDA, the Duke Comprehensive Cancer Center, the NCI, AACR and ASCO. Bethesda, Maryland. |
| August 24, 2010 | “Rethinking the Boundaries. Health Reform in the United States: Implications for Hospitals and Organizational Design”. West China Hospital, Sichuan University, Chendu, China. |
| October 20, 2010 | “Healthcare Reform: The Impact on Healthcare in the USA.” Duke Club of Wilmington, Wilmington, NC. |
| October 22, 2010 | “Healthcare Reform: Statement of the problem and implications for innovation.” Keynote Address. Leading in Turbulent Times: Evolving Relationships in the New Health Care Arena. Feagin Health Policy Leadership Weekend. Duke University. Durham, NC |
| October 28, 2010 | “Collaboration of key stakeholders to provide complementary and integrated interventions including data collection and feedback: leveraging health IT transformation” Medication Adherence: What do we need to get people to take their medicines? Duke Clinical Research Institute, Tyson’s Corner, VA. |
| Nov 4 & 5, 2010 | Yale University School of Medicine Visiting Professor. Yale University, New Haven, CT |
| June 12, 2011 | “Technology and the Impact on Health Care Delivery”, Emerging Market, Emerging Innovation, CEIBS 7 th Annual China Health Care Forum 2011, China Europe International Business School, Shanghai, China |
| Nov 9, 2011 | Moderator, Panel Discussion. “Nursing Home & Assisted Living” Duke MBA Health Care Conference, Fuqua School of Business, Durham, North Carolina. |
| Nov 10, 2011 | Panel Member: Obesity –Cardiac Disease –Diabetes, Business Solutions for a Global Epidemic, Fuqua School of Business, Durham, NC |

Nov 16, 2011 Panel Member: Transformative Change in the Delivery System, Clinician Leadership for Health Care Reform: Reforming Policies and Reforming Care. Engelberg Center for Health Care Reform at Brookings, Brookings Institution, Washington, DC.

December 13, 2011 “Changing Paradigm of Healthcare Industry – The Need for Transformation”, Health System Integration Council Meeting, VHA Southeast, Inc., Tampa, Florida

February 7, 2012 “Healthcare Delivery: The Role of IT Modernization” Challenges To Improving Healthcare Delivery: The Role of IT Modernization, Verizon Regional Kick Off, Verizon Connected Healthcare Solutions, Reston, Virginia

February 21, 2012 “Engaging Employees in Wellness Using Wireless Technology”, HIMSS12 Conference, Las Vegas, Nevada

March 9, 2012 “Rethinking Boundaries”, Board of Trustees Meeting, VHA Southeast Inc. Tampa, Florida

October 5, 2012 Discussant. 21st Century Health Care Management Education: Confronting Challenges for Innovation with a Modern Curriculum, Harvard Business School, Boston, Massachusetts

Oct 17, 2012 Moderator, Health Care Reform Panel. NCBIO Annual Meeting, North Carolina Biotechnology Research Center, Triangle Park, NC

October 23, 2012 “How Innovation is Driving Changes in Patient Behavior”, 2012 Verizon Healthcare Customer Advisory Board, Verizon Enterprise Solutions, Boston, Massachusetts

Nov 13, 2012 CHANGE OF PLANS: The State of Healthcare & The Election, Duke University

December 4, 2012 “Recommendations for Implementation: Coverage”, Atrial Fibrillation Think Tank, Duke University Medical Center, Tysons Corner, Virginia

March 4, 2015 “The Cost of Healthcare”, Leadership North Carolina, Class XXII, Health and Human Services Session. Greenville, NC

March 18, 2015 “Specialty Pharmaceuticals and Personalized Medicine: An Economic Perspective”, Cone Health, Greensboro, NC.

May 14, 2015 “The Cost of Cancer Care”, US Oncology Network Spring 2015 Annual Conference. Coronado, CA.

Sept 18, 2015 “Healthcare Innovation”. CERC National Guest Scholar. Center for Advanced Study in the Behavioral Sciences. Stanford University. Palo Alto, California.

January 15, 2016 Keynote Speaker: “The Pivot: From Fee for Service to Population Health”. Medical Staff Annual Retreat. University of Arizona. Tucson, Arizona.

Mar 16, 2016 Speaker. Navigating The Transition to Value – “The Pivot from FFS to Population-Based Health.” Research Triangle Foundation. Raleigh, NC.

June 23-26, 2016 Invited Participant. Aspens Ideas Festival Spotlight Health. Aspen, Colorado.

July 6, 2016 Panelist. Commonwealth Fund Initiative on Digital Health. New York, NY.

July 19, 2016 Faculty Leader. “Balanced Scorecard.” Healthcare Leadership Academy. Abuja, Nigeria.

August 16, 2016 “Healthcare Innovation”. CERC National Guest Scholar. Palo Alto, California (webinar)

September 14-15, 2016 Invited Participant. Alexandria Summit-Healthcare Economics. New York, NY.

September 17, 2016 Plenary Speaker: “The Economics of Precision Medicine.” American Association of Neuromuscular and Electrodagnostic Medicine (AANEM) Annual Meeting. New Orleans, LA.

October 26, 2016 Session Chair. Innovation Management and Entrepreneurship in Life Science Degree Programs. GENIE 1st European Edition with EIT Health and IESE Business School. Barcelona, Spain.

Nov 17, 2016 Visiting Professor. “Specialty Pharmaceuticals.” The Wharton School, The University of Pennsylvania. Philadelphia, PA.

Nov 18, 2016 Speaker. “The Pivot.” American Society of Echocardiography. ASE Board of Directors Meeting. Raleigh, NC

Nov. 25, 2016 Faculty. “Balanced Scorecard.” Healthcare Leadership Academy. Abuja, Nigeria (webinar)

Dec. 13, 2016 Speaker. “Specialty Pharmaceuticals.” Committee on Access to Affordable Drug Therapies. National Academies of Science. Washington, DC.

April 5, 2017 Keynote Speaker. “The Pivot.” NCAHQ Annual Education Conference, Durham, NC.

May 3, 2017 Faculty Seminar. “The Pivot.” UT Southwestern School of Medicine, Dallas, Tx.

July 26, 2017 Grand Rounds. “The Pivot.” Stanford University School of Medicine. Palo Alto, CA.

September 29, 2017 Unbundling And Rebundling Health Benefits: Innovative Rethinking Of Health Care Delivery And Competition. AEI. Washington, DC.

February 9, 2018 Intersocietal Accreditation Commission (IAC) Board of Directors annual meeting, “Transition From Fee-for-Service to Value: The Impact on Health Care Delivery Systems and Quality Measurement. Fort Lauderdale, Fl.

February 26-27, 2018 Panelist. Building the Evidence for Improving Health Care: Contributions, Opportunities, and Priorities. National Academy of Medicine. Washington, DC.

| | |
|---------------------|---|
| March 28, 2019 | Medical Ground Rounds. An Innovation Agenda for the US Health Care System. Department of Medicine, UCSF. San Francisco, CA |
| May 15, 2019 | Keynote: Solving the Digital Transformation of Healthcare by 2025. The Web Conference. San Francisco, CA. |
| October 15, 2019 | The Hidden Economics of Pharmaceuticals and Pharmaceutical Markets. UC Berkeley. Berkeley, CA. |
| November 4, 2019 | Testimony. Health Reform Oversight Committee. Vermont State Legislature. Montpelier, VT. |
| January 8, 2020 | “The Healthcare Pivot: Technology and the Transformation of Healthcare”. University of Minnesota Medical Industry Leadership Institute Valuation Lab. Stanford, CA. |
| February 26, 2020 | Fireside Chat. Duke Institute for Health Innovation. Virtual. |
| April 15, 2020 | “The PDC in the COVID-19 Era”. Duke Private Diagnostic Clinic. Virtual Lecture. |
| April 21, 2020 | “The Behaviorome in Precision Medicine”. Precision Health and Integrated Diagnostics Center at Stanford. Virtual Seminar. |
| April 24, 2020 | “Healthcare Financing”. Stanford University Master of Science in PA Studies Program. Virtual Lecture. |
| May 6, 2020 | Panelist. “Healthcare Systems and COVID-19: What are We Learning?”. Corporations and Society Initiative, Stanford Graduate School of Business. Virtual. |
| May 29, 2020 | Panelist. “The Digital Health Policy Response”. The Orthopaedic Recovery DOCSF Virtual Summit. |
| May 30, 2020 | “Post Covid and the Innovation Highway Ahead!” Duke Master of Management in Clinical Informatics, Virtual Lecture |
| September 8, 2020 | “Sepsis Patient Data: from Silos to Solutions” Sepsis Alliance Summit, Virtual Webinar |
| September 9, 2020 | Panelist. “Solving COVID-19 in South Asia and Globally – The Need for Government, NGO, and Business Action”. Rotman School of Management, University of Toronto, Virtual. |
| September 24, 2020 | “Seeing is Believing: Opportunities in Computer Vision”. Stanford Health Care Research Consortium, Virtual. |
| October 21-22, 2020 | “Innovative Business Models for Emerging Digital Technologies”. Stanford Graduate School of Business. Executive Education Merck RISE Program, Virtual. |
| October 27, 2020 | “Evolving Payer Landscape”. Anthem Digital Incubator, Virtual Lecture. |
| January 21, 2021 | “Inauguration Day: Health Policy in the Biden Era”. Stanford Medicine, Virtual Grand Rounds. |
| February 3-4, 2021 | “Transforming Healthcare Organizations”. Value Based Care Champion, Stanford Health Care, Virtual Lecture. |
| February 19, 2021 | "Beyond Politics: Promoting COVID Vaccination in the US." Duke Clinical Research Institute, NIH Collaboratory, Virtual Grand Rounds |
| February 19, 2021 | "Healthcare Policy in the Biden Era". Kaiser San Francisco, Virtual Grand Rounds |
| February 23, 2021 | “Accelerating the Transition from the Bench to the Market” Stanford Graduate School of Business. Executive Education Merck RISE Program, Virtual. |
| April 6, 2021 | “COVID-19: An Insider’s View of the Future”. Harvard Business School Club of Atlanta, Virtual Lecture. |
| April 20, 2021 | “Health Policy Under the Biden Administration”. Kaiser Santa Clara, Virtual Grand Rounds. |
| July 28, 2021 | “Racial Disparities in Healthcare and Health”. Stanford Medicine, Virtual Grand Rounds. |
| August 5, 2021 | “Health Equity and Diversity”. Stanford Graduate School of Business. The Innovative Health Care Leader Program, Virtual. |
| August 12, 2021 | Panelist. “Health data exchange: A new era of collaboration and interoperability”. Reuters Events, Virtual. |
| September 8, 2021 | “Value-based care and the impact on the future”. Stanford Department of Medicine, Virtual |
| September 23, 2021 | “Organizational Innovation and Disruptive Innovation”. Decision Intelligence MasterClass, Virtual. |
| October 1, 2021 | “Value in Health Care”. Duke University School of Medicine. Advocacy in Clinical Leadership Track, Virtual. |
| October 28, 2021 | “Will CMS Find Aducanumab Reasonable and Necessary for Alzheimer Disease?”. NorthernCal Society of Toxicology, Virtual. |
| December 9, 2021 | Panelist. “Envisioning a Workforce for a Digital Future in Healthcare”. Stanford Medicine, AI + Health Conference, Virtual. |
| September 7, 2022 | Speaker. Brief on Virtual Healthcare Strategy. The Defense Health Board’s Health Care Delivery Subcommittee, Virtual. |
| September 21, 2022 | Speaker. “Episode 363: Physician Unionization with Dr. Kevin Schulman”. Straight from the Cutter’s Mouth: A Retina Podcast, Virtual. |

| | |
|-------------------|---|
| October 12, 2022 | Speaker. “Innovative Business Models for Emerging Digital Technologies I”. The Merck University Program at Merck KGaA. Stanford University Graduate School of Business. Stanford, CA. |
| October 12, 2022 | Speaker. “Innovative Business Models for Emerging Digital Technologies II”. The Merck University Program at Merck KGaA. Stanford University Graduate School of Business. Stanford, CA. |
| November 11, 2022 | Speaker. “South Bay Social for Health IT Professionals”. HIMSS Northern California Chapter. Stanford University Y2E2 Building Huang Lobby. Stanford, CA. |
| December 6, 2022 | Panelist. “Strategic Business Models for AI Innovations in Healthcare”. AI + Health Conference, Virtual. |
| January 11, 2023 | Speaker. “The Healthcare Pivot: Technology and the Transformation of Healthcare”. University of Minnesota Medical Industry Leadership Institute Valuation Lab. Stanford, CA. |
| January 17, 2023 | Speaker. “Economic Hurdles and Market (Impulse Statements)”. German National Academy of Sciences Leopoldina, Virtual. |
| February 7, 2023 | Speaker. “Silicon Valley and Innovation Theory”. SIDO Next Innovator 2022, The Global Entrepreneurship Program by the Ministry of Economy, Trade and Industry and the Japan External Trade Organization (JETRO). Palo Alto, CA. |
| February 14, 2023 | Speaker. “COVID Vaccines: Marketing Science Meets Public Health”. Stanford University School of Medicine. Master of Science in Community Health and Prevention Research (CHPR). Stanford, CA. |
| February 28, 2023 | Speaker. Stanford University School of Medicine. Principles and Practice of Quality Improvement course, Virtual. |
| March 1, 2023 | Speaker. Stanford University School of Medicine. Clinical Informatics Fellowship Program, Virtual. |
| March 11, 2023 | Panelist. “Digital as Enabler: The pivotal role of robust, integrated, and interoperable health information systems in building resilience”. Global Learning Collaborative for Health Systems Resilience (GLC4HSR) Annual Conclave. New Delhi, India. |

EDITORIAL POSITIONS

| | |
|--------------|--|
| 1993-2003 | International Editorial Board, <i>PharmacoEconomics</i> |
| 1994-1996 | Working Party Member, “Methodological Guidelines for Economic Evaluations,” <i>British Medical Journal</i> |
| 1995 | Scientific Editor, “National Cancer Institute Conference: The Integration of Economic Outcome Measures Into NCI-Sponsored Therapeutic Trials,” <i>Journal of the National Cancer Institute Monographs 19</i> |
| 1997-present | Editorial Board, <i>American Heart Journal</i> |
| 1997-2011 | Scientific Advisory Board, <i>Value in Health</i> |
| 1997-2006 | Editorial Board, <i>Disease Management</i> |
| 1998 | Scientific Editor, <i>Journal of the National Cancer Institute Monographs 24</i> |
| 2000-2008 | Editorial Board, <i>Evidence-Based Gastroenterology</i> |
| 2001-2010 | Editorial Board, <i>American Journal of Medicine</i> |
| 2003-2016 | Editorial Board, <i>Cost Effectiveness and Resource Allocation</i> |
| 2006-2007 | Guest Editor (with Neal J. Meropol), JCO Reviews Series, “Perspectives on the Cost of Cancer Care,” <i>Journal of Clinical Oncology</i> |
| 1996-2013 | Editorial Board, <i>Health Services Research</i> |
| 2013- | Senior Associate Editor, <i>Health Services Research</i> |
| 2017- | Senior Associate Editor, <i>Health Management, Policy and Innovation</i> |

BIBLIOGRAPHY

ORIGINAL RESEARCH ARTICLES:

- Green J, Singer M, Wintfeld N, Schulman K, Passman L. Projecting the impact of AIDS on hospitals. *Health Aff (Millwood)*. 1987;6:19-31.
- Green J, Singer M, Wintfeld N, Schulman K. AIDS in New England hospitals. *N Engl J Public Policy*. 1987;4(special issue):273-283.
- Schulman KA, Kinosian B, Jacobson TA, et al. Reducing high blood cholesterol level with drugs: cost-effectiveness of pharmacologic management. *JAMA*. 1990;264:3025-3033.

4. Schulman KA, Glick HA, Rubin H, Eisenberg JM. Cost-effectiveness of HA-1A monoclonal antibody for gram-negative sepsis: economic assessment of a new therapeutic agent. *JAMA*. 1991;266:3466-3471.
5. Greco PJ, Schulman KA, Lavizzo-Mourey R, Hansen-Flaschen J. The Patient Self-Determination Act and the future of advance directives. *Ann Intern Med*. 1991;115:639-643.
6. Schulman KA, Lynn LA, Glick HA, Eisenberg JM. Cost effectiveness of low-dose zidovudine therapy for asymptomatic patients with human immunodeficiency virus (HIV) infection. *Ann Intern Med*. 1991;114:798-802.
7. Lynn LA, Schulman KA, Eisenberg JM. The pharmacoeconomics of HIV disease. *Pharmacoeconomics*. 1992;1:161-174.
8. Schulman KA, Escarce JJ, Eisenberg JM, et al. Assessing physicians' estimates of the probability of coronary artery disease: the influence of patient characteristics. *Med Decis Making*. 1992;12:109-114.
9. Seltzer E, Schulman KA, Brennan PJ, Lynn LA. Patient attitudes toward rooming with persons with HIV infection. *J Fam Pract*. 1993;37:564-568.
10. Schulman KA, McDonald RC, Lynn LA, Frank I, Christakis NA, Schwartz JS. Screening surgeons for HIV infection: assessment of a potential public health program. *Infect Control Hosp Epidemiol*. 1994;15:147-155.
11. Schulman K, Sulmasy DP, Roney D. Ethics, economics, and the publication policies of major medical journals. *JAMA*. 1994;272:154-156.
12. Solomon NA, Glick HA, Russo CJ, Lee J, Schulman KA. Patient preferences for stroke outcomes. *Stroke*. 1994;25:1721-1725.
13. Roulidis ZC, Schulman KA. Physician communication in managed care organizations: opinions of primary care physicians. *J Fam Pract*. 1994;39:446-451.
14. Schulman KA, Glick HA. Economic evaluation of high-dose chemotherapy and bone marrow transplantation for patients with breast cancer of stage II or IIIA with more than 10 positive lymph nodes at surgical excision. *J Natl Cancer Inst Monogr*. 1995;(19):45-50.
15. Lee JH, Glick HA, Kinoshian B, Schulman KA. An interactive computer system for formulary management using cost-effectiveness analysis. *MD Comput*. 1995;12:59-65.
16. Morris CB, Schulman KA. The emerging role of the Food and Drug Administration in pharmacoeconomic evaluation during the drug development process. *Drug Inf J*. 1995;29:1105-1111.
17. Schulman KA, Yabroff KR, Glick H. A health services approach for the evaluation of innovative pharmaceutical and biotechnology products. *Drug Inf J*. 1995;29:1405-1414.
18. Lerman C, Narod S, Schulman K, et al. BRCA1 testing in families with hereditary breast-ovarian cancer: a prospective study of patient decision making and outcomes. *JAMA*. 1996;275:1885-1892.
19. Hirsh JA, Langlotz CP, Lee J, Tanio CP, Grossman RI, Schulman KA. Clinical assessment of MR of the brain in nonsurgical patients. *Am J Neuroradiol*. 1996;17:1245-1253.
20. Schulman KA, Glick H, Buxton M, et al. The economic evaluation of the FIRST study: design of a prospective analysis alongside a multinational phase III clinical trial. Flolan International Randomized Survival Trial. *Control Clin Trials*. 1996;17:304-315.
21. Knollmann BC, Corson AP, Twigg HL, Schulman KA. Assessment of joint review of radiologic studies by a primary care physician and a radiologist. *J Gen Intern Med*. 1996;11:608-612.
22. Schulman KA, Buxton M, Glick H, et al. Results of the economic evaluation of the FIRST study: a multinational prospective economic evaluation. Flolan International Randomized Survival Trial. *Int J Technol Assess Health Care*. 1996;12:698-713.
23. DeChant HK, Tohme WG, Mun SK, Hayes WS, Schulman KA. Health systems evaluation of telemedicine: a staged approach. *Telemed J*. 1996;2:303-312.
24. Mauskopf J, Schulman K, Bell L, Glick H. A strategy for collecting pharmacoeconomic data during phase II/III clinical trials. *Pharmacoeconomics*. 1996;9:264-277.
25. Drummond MF, Jefferson TO. Guidelines for authors and peer reviewers of economic submissions to the BMJ. The BMJ Economic Evaluation Working Party. *BMJ*. 1996;313:275-283.
26. Schulman KA, Rubenstein LE, Seils DM, Harris M, Hadley J, Escarce JJ. Quality assessment in contracting for tertiary care services by HMOs: a case study of three markets. *Jt Comm J Qual Improv*. 1997;23:117-127.
27. Polsky D, Glick HA, Willke R, Schulman K. Confidence intervals for cost-effectiveness ratios: a comparison of four methods. *Health Econ*. 1997;6:243-252.
28. Mitchell JM, Meehan KR, Kong J, Schulman KA. Access to bone marrow transplantation for leukemia and lymphoma: the role of sociodemographic factors. *J Clin Oncol*. 1997;15:2644-2651.
29. Wasserfallen JB, Gold K, Schulman KA, Baraniuk JN. Development and validation of a rhinoconjunctivitis and asthma symptom score for use as an outcome measure in clinical trials. *J Allergy Clin Immunol*. 1997;100:16-22.
30. Califf RM, Adams KF, McKenna WJ, et al. A randomized controlled trial of epoprostenol therapy for severe congestive heart failure: the Flolan International Randomized Survival Trial (FIRST). *Am Heart J*. 1997;134:44-54.
31. Roulidis ZC, DeChant HK, Schulman KA. Resource utilization control processes as indicators of quality in managed care organizations: a proposal. *Am J Med*. 1997;103:146-151.

32. Winchester JF, Tohme WG, Schulman KA, et al. Hemodialysis patient management by telemedicine: design and implementation. *ASAIO J.* 1997;43:M763-M766.
33. Tohme WG, Winchester JF, Collmann J, et al. Remote management of haemodialysis patients: design and implementation of a telemedicine network. *Minim Invasive Ther Allied Technol.* 1997;5/6:421-428.
34. Gaskin DJ, Kong J, Meropol NJ, Yabroff KR, Weaver C, Schulman KA. Treatment choices by seriously ill patients: the Health Stock Risk Adjustment model. *Med Decis Making.* 1998;18:84-94.
35. Glick HA, Polsky D, Willke RJ, Alves WM, Kassell N, Schulman K. Comparison of the use of medical resources and outcomes in the treatment of aneurysmal subarachnoid hemorrhage between Canada and the United States. *Stroke.* 1998;29:351-358.
36. Glick H, Willke R, Polsky D, et al. Economic analysis of tirilazad mesylate for aneurysmal subarachnoid hemorrhage: economic evaluation of a phase III clinical trial in Europe and Australia. *Int J Technol Assess Health Care.* 1998;14:145-160.
37. Sulmasy DP, Linas BP, Gold KF, Schulman KA. Physician resource use and willingness to participate in assisted suicide. *Arch Intern Med.* 1998;158:974-978.
38. Schulman KA, Dorsainvil D, Yabroff KR, et al. Prospective economic evaluation accompanying a trial of GM-CSF/IL-3 in patients undergoing autologous bone marrow transplantation for Hodgkin's and non-Hodgkin's lymphoma. *Bone Marrow Transplant.* 1998;21:607-614.
39. Neymark N, Kiebert W, Torfs K, et al. Methodological and statistical issues of quality of life (QoL) and economic evaluation in cancer clinical trials: report of a workshop. *Eur J Cancer.* 1998;34:1317-1333.
40. Schulman K, Burke J, Drummond M, et al. Resource costing for multinational neurologic clinical trials: methods and results. *Health Econ.* 1998;7:629-638.
41. Rathore SS, Mehta SS, Boyko WL Jr, Schulman KA. Prescription medication use in older Americans: a national report card on prescribing. *Fam Med.* 1998;30:733-739.
42. Willke RJ, Glick HA, Polsky D, Schulman K. Estimating country-specific cost-effectiveness from multinational clinical trials. *Health Econ.* 1998;7:481-493.
43. Schulman KA, Berlin JA, Harless W, et al. The effect of race and sex on physicians' recommendations for cardiac catheterization. *N Engl J Med.* 1999;340:618-626.
44. Schulman KA, Yabroff KR, Kong J, et al. A claims data approach to defining an episode of care. *Health Serv Res.* 1999;34:603-621.
45. De Jonge KE, Sulmasy DP, Gold KG, et al. The timing of do-not-resuscitate orders and hospital costs. *J Gen Intern Med.* 1999;14:190-192.
46. Boyko WL Jr, Glick HA, Schulman KA. Economics and cost-effectiveness in evaluating the value of cardiovascular therapies. ACE inhibitors in the management of congestive heart failure: comparative economic data. *Am Heart J.* 1999;137:S115-S119.
47. Schulman KA, Birch R, Zhen B, Pania N, Weaver CH. Effect of CD34(+) cell dose on resource utilization in patients after high-dose chemotherapy with peripheral-blood stem-cell support. *J Clin Oncol.* 1999;17:1227-1233.
48. Berger AK, Schulman KA, Gersh BJ, et al. Primary coronary angioplasty vs thrombolysis for the management of acute myocardial infarction in elderly patients. *JAMA.* 1999;282:341-348.
49. Schulman KA, Abernethy DR, Rathore SS, Woosley RL. Regulating manufacturer-affiliated communication in the information age. *Clin Pharmacol Ther.* 1999;65:593-597.
50. Wasserfallen JB, Gold K, Schulman KA, Baraniuk JN. Item responsiveness of a rhinitis and asthma symptom score during a pollen season. *J Asthma.* 1999;36:459-465.
51. Weinfurt KP, Willke R, Glick HA, Schulman KA. Towards a composite scoring solution for the Neurobehavioral Functioning Inventory. *Qual Life Res.* 1999;8:17-24.
52. Mehta SS, Wilcox CS, Schulman KA. Treatment of hypertension in patients with comorbidities: results from the study of hypertensive prescribing practices (SHyPP). *Am J Hypertens.* 1999;12(4 Pt 1):333-340.
53. Mehta SS, Suzuki S, Glick HA, Schulman KA. Determining an episode of care using claims data: diabetic foot ulcer. *Diabetes Care.* 1999;22:1110-1115.
54. Glick HA, Polsky D, Willke RJ, Schulman KA. A comparison of preference assessment instruments used in a clinical trial: responses to the visual analog scale from the EuroQol EQ-5D and the Health Utilities Index. *Med Decis Making.* 1999;19:265-275.
55. Freeman VG, Rathore SS, Weinfurt KP, Schulman KA, Sulmasy DP. Lying for patients: physician deception of third-party payers. *Arch Intern Med.* 1999;159:2263-2270.
56. Schulman KA, Mehta SS, Gersh BJ, Schneider EC, Wilcox CS. Study of Hypertensive Prescribing Practices (SHyPP): a national survey of primary care physicians. *J Clin Hypertens.* 1999;1:106-114.
57. Bentham WD, Cai L, Schulman KA. Characteristics of hospitalizations of HIV-infected patients: an analysis of data from the 1994 Healthcare Cost and Utilization Project. *JAIDS.* 1999;22:503-508.

58. Weaver CH, Schulman KA, Wilson-Relyea B, Birch R, West W, Buckner CD. Randomized trial of filgrastim, sargramostim, or sequential sargramostim and filgrastim after myelosuppressive chemotherapy for the harvesting of peripheral-blood stem cells. *J Clin Oncol.* 2000;18:43-53.
59. Cheng JD, Hitt J, Koczwara B, et al. Impact of quality of life on patient expectations regarding phase I clinical trials. *J Clin Oncol.* 2000;18:421-428.
60. Rathore SS, Berger AK, Weinfurt KP, et al. Acute myocardial infarction complicated by atrial fibrillation in the elderly : prevalence and outcomes. *Circulation.* 2000;101:969-974.
61. Weinfurt KP, Willke RJ, Glick HA, Freimuth WW, Schulman KA. Relationship between CD4 count, viral burden, and quality of life over time in HIV-1-infected patients. *Med Care.* 2000;38:404-410.
62. Rathore SS, Lenert LA, Weinfurt KP, et al. The effects of patient sex and race on medical students' ratings of quality of life. *Am J Med.* 2000;108:561-566.
63. Every NR, Maynard C, Schulman K, Ritchie JL. The association between institutional primary angioplasty procedure volume and outcome in elderly Americans. *J Invasive Cardiol.* 2000;12:303-308.
64. Mandelblatt JS, Hadley J, Kerner JF, et al. Patterns of breast carcinoma treatment in older women: patient preference and clinical and physical influences. *Cancer.* 2000;89:561-573.
65. Rathore SS, McGreevey JD, Schulman KA, Atkins D. Mandated coverage for cancer-screening services (2). Whose guidelines do states follow? *Am J Prev Med.* 2000;19:71-78.
66. Meehan KR, Matias CO, Rathore SS, et al. Platelet transfusions: utilization and associated costs in a tertiary care hospital. *Am J Hematol.* 2000;64:251-256.
67. Rathore SS, Berger AK, Weinfurt KP, et al. Race, sex, poverty, and the medical treatment of acute myocardial infarction in the elderly. *Circulation.* 2000;102:642-648.
68. Sheifer SE, Rathore SS, Gersh BJ, et al. Time to presentation with acute myocardial infarction in the elderly : associations with race, sex, and socioeconomic characteristics. *Circulation.* 2000;102:1651-1656.
69. Backhouse ME, Gnanasakthy A, Schulman KA, Akehurst R, Glick H. The development of standard economic datasets for use in the economic evaluation of medicines. *Drug Inf J.* 2000;34:1273-1291.
70. Kim J, Morris CB, Schulman KA. The role of the Food and Drug Administration in pharmaco-economic evaluation during the drug development process. *Drug Inf J.* 2000;34:1207-1213.
71. Meehan KR, Areman EM, Ericson SG, Matias C, Seifeldin R, Schulman K. Mobilization, collection, and processing of autologous peripheral blood stem cells: development of a clinical process with associated costs. *J Hematother Stem Cell Res.* 2000;9:767-771.
72. Rathore SS, Gersh BJ, Berger PB, et al. Acute myocardial infarction complicated by heart block in the elderly: prevalence and outcomes. *Am Heart J.* 2001;141:47-54.
73. Berger AK, Breall JA, Gersh BJ, et al. Effect of diabetes mellitus and insulin use on survival after acute myocardial infarction in the elderly (The Cooperative Cardiovascular Project). *Am J Cardiol.* 2001;87:272-277.
74. Polsky D, Willke RJ, Scott K, Schulman KA, Glick HA. A comparison of scoring weights for the EuroQol© derived from patients and the general public. *Health Econ.* 2001;10:27-37.
75. Rathore SS, Weinfurt KP, Gersh BJ, Oetgen WJ, Schulman KA, Solomon AJ. Treatment of patients with myocardial infarction who present with a paced rhythm. *Ann Intern Med.* 2001;134:644-651.
76. Polsky D, Weinfurt KP, Kaplan B, Kim J, Fastenau J, Schulman KA. An economic and quality-of-life assessment of basiliximab vs antithymocyte globulin immunoprophylaxis in renal transplantation. *Nephrol Dial Transplant.* 2001;16:1028-1033.
77. Weaver C, Schulman K, Buckner C. Mobilization of peripheral blood stem cells following myelosuppressive chemotherapy: a randomized comparison of filgrastim, sargramostim, or sequential sargramostim and filgrastim. *Bone Marrow Transplant.* 2001;27(Suppl 2):S23-S29.
78. Rathore SS, Gersh BJ, Weinfurt KP, Oetgen WJ, Schulman KA, Solomon AJ. The role of reperfusion therapy in paced patients with acute myocardial infarction. *Am Heart J.* 2001;142:516-519.
79. DesHarnais Castel L, Bajwa K, Markle JP, Timbie JW, Zacker C, Schulman KA. A microcosting analysis of zoledronic acid and pamidronate therapy in patients with metastatic bone disease. *Support Care Cancer.* 2001;9:545-551.
80. Schulman KA, Yabroff KR, Kong J, et al. A claims data approach to defining an episode of care. *Pharmacoepidemiol Drug Saf.* 2001;10:417-427.
81. Weaver CH, Buckner CD, Curtis LH, et al. Economic evaluation of filgrastim, sargramostim, and sequential sargramostim and filgrastim after myelosuppressive chemotherapy. *Bone Marrow Transplant.* 2002;29:159-164.
82. Weinfurt KP, Trucco SM, Willke RJ, Schulman KA. Measuring agreement between patient and proxy responses to multidimensional health-related quality-of-life measures in clinical trials: an application of psychometric profile analysis. *J Clin Epidemiol.* 2002;55:608-618.
83. Gaskin D, Escarce JJ, Schulman K, Hadley J. The determinants of HMOs' contracting with hospitals for bypass surgery. *Health Serv Res.* 2002;37:963-984.

84. Schulman KA, Seils DM, Timbie JW, et al. A national survey of provisions in clinical-trial agreements between medical schools and industry sponsors. *N Engl J Med.* 2002;347:1335-1341.
85. Polsky D, Keating NL, Weeks JC, Schulman KA. Patient choice of breast cancer treatment: impact on health state preferences. *Med Care.* 2002;40:1068-1079.
86. Onken JE, Friedman JY, Subramanian S, et al. Treatment patterns and costs associated with sessile colorectal lesions. *Am J Gastroenterol.* 2002;97:2896-2901.
87. Castel LD, Timbie JW, Sendersky V, Curtis LH, Feather KA, Schulman KA. Toward estimating the impact of changes in immigrants' insurance eligibility on hospital expenditures for uncompensated care. *BMC Health Serv Res.* 2003;3(1):1.
88. Curtis LH, Ostbye T, Sendersky V, et al. Prescription of QT-prolonging drugs in a cohort of about 5 million outpatients. *Am J Med.* 2003;114:135-141.
89. Law AW, Reed SD, Sundy JS, Schulman KA. Direct costs of allergic rhinitis in the united states: estimates from the 1996 Medical Expenditure Panel Survey. *J Allergy Clin Immunol.* 2003;111:296-300.
90. Schulman KA, Stadtmauer EA, Reed SD, et al. Economic analysis of conventional-dose chemotherapy compared with high-dose chemotherapy plus autologous hematopoietic stem cell transplantation for metastatic breast cancer. *Bone Marrow Transplant.* 2003;31:205-210.
91. Polsky D, Mandelblatt JS, Weeks JC, et al. Economic evaluation of breast cancer treatment: considering the value of patient choice. *J Clin Oncol.* 2003;21:1139-1146.
92. Weinfurt KP, Castel LD, Sulmasy DP, et al. The correlation between patient characteristics and expectations of benefit from Phase I clinical trials. *Cancer.* 2003;98:166-175.
93. Reed SD, Friedman JY, Gnanasakthy A, Schulman KA. Comparison of hospital costing methods in an economic evaluation of a multinational clinical trial. *Int J Technol Assess Health Care.* 2003;19:396-406.
94. Meropol NJ, Weinfurt KP, Burnett CB, et al. Perceptions of patients and physicians regarding phase I cancer clinical trials: implications for physician-patient communication. *J Clin Oncol.* 2003;21:2589-2596.
95. Shah BR, Reed SD, Francis J, Ridley DB, Schulman KA. The cost of inefficiency in US hospitals, 1985-1997. *J Health Care Finance.* 2003;30:1-9.
96. Sloan FA, Trogdon JG, Curtis LH, Schulman KA. Does the ownership of the admitting hospital make a difference? Outcomes and process of care of Medicare beneficiaries admitted with acute myocardial infarction. *Med Care.* 2003;41:1193-1205.
97. Weinfurt KP, Sulmasy DP, Schulman KA, Meropol NJ. Patient expectations regarding benefit from phase I clinical trials: linguistic considerations in diagnosing a therapeutic misconception. *Theor Med Bioeth.* 2003;24:329-344.
98. Bundorf MK, Escarce JJ, Stafford JA, Gaskin D, Jollis JG, Schulman KA. Impact of managed care on the treatment, costs, and outcomes of fee-for-service Medicare patients with acute myocardial infarction. *Health Serv Res.* 2004;39:131-152.
99. Sloan FA, Trogdon JG, Curtis LH, Schulman KA. The effect of dementia on outcomes and process of care for Medicare beneficiaries admitted with acute myocardial infarction. *J Am Geriatr Soc.* 2004;52:173-181.
100. Weinfurt KP, Castel LD, Li Y, Timbie JW, Glendenning GA, Schulman KA. Health-related quality of life among patients with breast cancer receiving zoledronic acid or pamidronate disodium for metastatic bone lesions. *Med Care.* 2004;42:164-175.
101. Reed SD, Radeva JI, Glendenning GA, Saad F, Schulman KA. Cost-effectiveness of zoledronic acid for the prevention of skeletal complications in patients with prostate cancer. *J Urol.* 2004;171:1537-1542.
102. Liao L, Whellan DJ, Tabuchi K, Schulman KA. Differences in care-seeking behavior for acute chest pain in the United States and Japan. *Am Heart J.* 2004;147:630-635.
103. Curtis LH, Law AW, Anstrom AJ, Schulman KA. The insurance effect on prescription drug expenditures among the elderly: findings from the 1997 Medical Expenditure Panel Survey. *Med Care.* 2004;42:439-446.
104. Massie BM, Krol WF, Ammon SE, et al. The Warfarin and Antiplatelet Therapy in Heart Failure Trial (WATCH): rationale, design, and baseline patient characteristics. *J Card Fail.* 2004;10:101-112.
105. Harpole LH, Oddone EZ, Stechuchak KM, Schulman KA. Technologies for receiving test results in primary care practices and the impact of managed care. *Journal of Clinical Outcomes Management.* 2004;11:216-222.
106. Rao SV, Schulman KA, Curtis LH, Gersh BJ, Jollis JG. Socioeconomic status and outcome following acute myocardial infarction in elderly patients. *Arch Intern Med.* 2004;164:1128-1133.
107. Reed SD, Friedman JY, Velazquez EJ, Gnanasakthy A, Califf RM, Schulman KA. Multinational economic evaluation of valsartan in patients with chronic heart failure: results from the Valsartan Heart Failure Trial (Val-HeFT). *Am J Med.* 2004;118:122-128.
108. Patel MR, Meine TJ, Radeva J, et al. State-mandated continuing medical education and the use of proven therapies in patients with an acute myocardial infarction. *J Am Coll Cardiol.* 2004;44:192-198.
109. Curtis LH, Ostbye T, Sendersky V, et al. Inappropriate prescribing for elderly Americans in a large outpatient population. *Arch Intern Med.* 2004;164:1621-1625.

110. Kansagra SM, Curtis LH, Schulman KA. Regionalization of percutaneous transluminal coronary angioplasty and implications for patient travel distance. *JAMA*. 2004;292:1717-1723.
111. Hong TB, Oddone EZ, Weinfurt KP, Friedman JY, Schulman KA, Bosworth HB. The relationship between perceived barriers to healthcare and self-rated health. *Psychology, Health, and Medicine*. 2004;9:476-482.
112. Friedman JY, Reed SD, Weinfurt KP, Kahler KH, Walter EB, Schulman KA. Parents' reported preference scores for childhood atopic dermatitis disease states. *BMC Pediatr*. 2004;4:21.
113. Gaskin DJ, Weinfurt KP, Castel LD, et al. An exploration of relative health stock in advanced cancer patients. *Med Decis Making*. 2004;24:614-624.
114. Reed SD, Anstrom KJ, Ludmer JA, Glendenning GA, Schulman KA. Cost-effectiveness of imatinib versus interferon- α plus low-dose cytarabine for patients with newly diagnosed chronic-phase chronic myeloid leukemia. *Cancer*. 2004;101:2574-2583.
115. Anstrom KJ, Reed SD, Allen AS, Glendenning GA, Schulman KA. Long-term survival estimates for imatinib versus interferon- α plus low-dose cytarabine for patients with newly diagnosed chronic-phase chronic myeloid leukemia. *Cancer*. 2004;101:2584-2592.
116. Weinfurt KP, DePuy V, Castel LD, Sulmasy DP, Schulman KA, Meropol NJ. Understanding of an aggregate probability statement by patients who are offered participation in Phase I clinical trials. *Cancer*. 2005;103:140-147.
117. Radeva JI, Reed SD, Kalo Z, et al. Economic evaluation of everolimus vs. azathioprine at one year after de novo heart transplantation. *Clin Transplant*. 2005;19:122-129.
118. Reed SD, Radeva JI, Glendenning GA, Coleman RE, Schulman KA. Economic evaluation of zoledronic acid versus pamidronate for the prevention of skeletal-related events in metastatic breast cancer and multiple myeloma. *Am J Clin Oncol*. 2005;28:8-16.
119. Voils CI, Oddone EZ, Weinfurt KP, Friedman JY, Schulman KA, Bosworth HB. Who trusts healthcare institutions? Results from a community-based sample. *Ethn Dis*. 2005;15:97-103.
120. Reed SD, Friedman JY, Engemann JJ, et al. Costs and outcomes among hemodialysis-dependent patients with methicillin-resistant or methicillin-susceptible *Staphylococcus aureus* bacteremia. *Infect Control Hosp Epidemiol*. 2005;26:175-183.
121. Reed SD, Anstrom KJ, Bakhai A, et al. Conducting economic evaluations alongside multinational clinical trials: toward a research consensus. *Am Heart J*. 2005;149:434-443.
122. Eisenstein EL, Lemons PW III, Tardiff BE, Schulman KA, Jolly MK, Califf RM. Reducing the costs of phase III cardiovascular clinical trials. *Am Heart J*. 2005;149:482-488.
123. Weinfurt KP, Li Y, Castel LD, et al. The significance of skeletal-related events for the health-related quality of life of patients with metastatic prostate cancer. *Ann Oncol*. 2005;16:579-584.
124. Curtis LH, Masselink LE, Ostbye T, et al. Prevalence of atypical antipsychotic drug use among commercially insured youths in the United States. *Arch Pediatr Adolesc Med*. 2005;159:362-366.
125. Whellan DJ, Hasselblad V, Peterson E, O'Connor CM, Schulman KA. Meta-analysis and review of heart failure disease management randomized controlled clinical trials. *Am Heart J*. 2005;149:722-729.
126. Yancy WS Jr, Olsen MK, Curtis LH, Schulman KA, Cuffe MS, Oddone EZ. Variations in coronary procedure utilization depending on body mass index. *Arch Intern Med*. 2005;165:1381-1387.
127. Engemann JJ, Friedman JY, Reed SD, et al. Clinical outcomes and costs due to *Staphylococcus aureus* bacteremia among patients receiving long-term hemodialysis. *Infect Control Hosp Epidemiol*. 2005;26:534-539.
128. Ostbye T, Curtis LH, Masselink LE, et al. Atypical antipsychotic drugs and diabetes mellitus in a large outpatient population: a retrospective cohort study. *Pharmacoepidemiol Drug Saf*. 2005;14:407-415.
129. Van Houtven CH, Voils CI, Oddone EZ, et al. Perceived discrimination and reported delay of pharmacy prescriptions and medical tests. *J Gen Intern Med*. 2005;20:578-583.
130. Chang J, Kauf TL, Mahajan S, et al. Impact of disease severity and gastrointestinal side effects on the health state preferences of patients with osteoarthritis. *Arthritis Rheum*. 2005;52:2366-2375.
131. Reed SD, Radeva JI, Weinfurt KP, et al. Resource use, costs, and quality of life among patients in the multinational Valsartan in Acute Myocardial Infarction Trial (VALIANT). *Am Heart J*. 2005;150:323-329.
132. Friedman JY, Anstrom KJ, Weinfurt KP, et al. Perceived racial/ethnic bias in health care in Durham County, North Carolina: a comparison of community and national samples. *N C Med J*. 2005;66:267-275.
133. Reed SD, Radeva JI, Daniel DB, Fastenau JM, Williams D, Schulman KA. Early hemoglobin response and alternative metrics of efficacy with erythropoietic agents for chemotherapy-related anemia. *Curr Med Res Opin*. 2005;21:1527-1533.
134. Meine TJ, Patel MR, DePuy V, et al. Evidence-based therapies and mortality in patients hospitalized in December with acute myocardial infarction. *Ann Intern Med*. 2005;143:481-485.
135. Rasiel EB, Weinfurt KP, Schulman KA. Can prospect theory explain risk-seeking behavior by terminally ill patients? *Med Decis Making*. 2005;25:609-613.
136. Grant WC, Jhaveri RR, McHutchison JG, Schulman KA, Kauf TL. Trends in health care resource use for hepatitis C virus infection in the United States. *Hepatology*. 2005;42:1406-1413.

137. Chu VH, Crosslin DR, Friedman JY, et al. *Staphylococcus aureus* bacteremia in patients with prosthetic devices: costs and outcomes. *Am J Med.* 2005;118:1416.
138. Voils CI, Oddone EZ, Weinfurt KP, et al. Racial differences in health concern. *J Natl Med Assoc.* 2006;98:36-42.
139. Kauf TL, Velazquez EJ, Crosslin D, et al. The cost of acute myocardial infarction in the new millennium: evidence from a multinational registry. *Am Heart J.* 2006;151:206-212.
140. Liao L, Jollis JG, Anstrom KJ, et al. Costs for heart failure with normal vs reduced injection fraction. *Arch Intern Med.* 2006;166:112-118.
141. Weinfurt KP, Dinan MA, Allsbrook JS, et al. Policies of academic medical centers for disclosing conflicts of interest to potential research participants. *Acad Med.* 2006;81:113-118.
142. Sung JC, Curtis LH, Schulman KA, Albala DM. Geographic variations in the use of medical and surgical therapies for benign prostatic hyperplasia. *J Urol.* 2006;175:1023-1027.
143. Glickman SW, Rasiel EB, Hamilton CD, Kubataev A, Schulman KA. A portfolio model of drug development for tuberculosis. *Science.* 2006;311:1246-1247.
144. Ridley DB, Kramer JM, Tilson H, Grabowski HG, Schulman KA. Spending on postapproval drug safety. *Health Aff (Millwood).* 2006;25:429-436.
145. Inrig JK, Reed SD, Szczech LA, et al. Relationship between clinical outcomes and vascular access type among hemodialysis patients with *Staphylococcus aureus* bacteremia. *Clinical Journal of the American Society of Nephrology.* 2006;1:518-524.
146. Curtis LH, Stoddard J, Radeva JI, et al. Geographic variation in the prescription of Schedule II opioid analgesics among outpatients in the United States. *Health Serv Res.* 2006;41(3 Pt 1):837-855.
147. Reed SD, Radeva JI, Daniel DB, et al. Economic evaluation of weekly epoetin alfa versus biweekly darbepoetin alfa for chemotherapy-induced anaemia: evidence from a 16-week randomised trial. *Pharmacoeconomics.* 2006;24:475-479.
148. Weinfurt KP, Anstrom KJ, Castel LD, Schulman KA, Saad F. Effect of zoledronic acid on pain associated with bone metastasis in patients with prostate cancer. *Ann Oncol.* 2006;17:986-989.
149. Scales CD Jr, Curtis LH, Norris RD, Schulman KA, Albala DM, Moul JW. Prostate specific antigen testing in men older than 75 years in the United States. *J Urol.* 2006;176:511-514.
150. Reed SD, McMurray JJ, Velazquez EJ, et al. Geographic variation in the treatment of acute myocardial infarction in the VALSartan In Acute myocardial infarction (VALIANT) trial. *Am Heart J.* 2006;152:500-508.
151. Torti FM Jr, Reed SD, Schulman KA. Analytic considerations in economic evaluations of multinational cardiovascular clinical trials. *Value Health.* 2006;9:281-291.
152. Reed SD, Califf RM, Schulman KA. How changes in drug safety regulations affect the way drug and biotech companies invest in innovation. *Health Aff (Millwood).* 2006;25:1309-1317.
153. Dinan MA, Weinfurt KP, Friedman JY, et al. Comparison of conflict of interest policies and reported practices in academic medical centers in the United States. *Account Res.* 2006;13:325-342.
154. Curtis LH, Schulman KA. Overregulation of health care: musings on disruptive innovation theory. *Law Contemp Probl.* 2006;69(4):195-206.
155. Califf RM, Harrington RA, Madre LK, Peterson ED, Roth D, Schulman KA. Curbing the cardiovascular disease epidemic: aligning industry, government, payers, and academics. *Health Aff (Millwood).* 2007;26:62-74.
156. Eisenstein EL, Anstrom KJ, Kong DF, et al. Clopidogrel use and long-term clinical outcomes after drug-eluting stent implantation. *JAMA.* 2007;297:159-168.
157. Scales CD Jr, Curtis LH, Norris RD, Schulman KA, Dahm P, Moul JW. Relationship between body mass index and prostate cancer screening in the United States. *J Urol.* 2007;177:493-498.
158. Whellan DJ, Reed SD, Liao L, Gould SD, O'Connor CM, Schulman KA. Financial implications of a model heart failure disease management program for providers, hospital, healthcare systems, and payer perspectives. *Am J Cardiol.* 2007;99:256-260.
159. Whellan DJ, O'Connor DM, Lee KL, et al. Heart Failure and A Controlled Trial Investigating Outcomes of Exercise Training (HF-ACTION): design and rationale. *Am Heart J.* 2007;153:201-211.
160. Liao L, Anstrom KJ, Gottdiener JS, et al. Long-term costs and resource use in elderly participants with congestive heart failure in the Cardiovascular Health Study. *Am Heart J.* 2007;153:245-252.
161. Weinfurt KP, Allsbrook JS, Friedman JY, et al. Developing model language for disclosing financial interests to potential clinical research participants. *IRB.* 2007;29:1-5.
162. Kansagra SM, Curtis LH, Anstrom KJ, Schulman KA. Trends in operator and hospital procedure volume and outcomes for percutaneous transluminal coronary angioplasty, 1996 to 2001. *Am J Cardiol.* 2007;99:339-343.
163. Li JS, Eisenstein EL, Grabowski HG, et al. Economic return of clinical trials performed under the pediatric exclusivity program. *JAMA.* 2007;297:480-488.
164. Scales CD Jr, Curtis LH, Norris RD, et al. Changing gender prevalence of stone disease. *J Urol.* 2007;177:979-982.
165. Brown TT, Scheffler RM, Tom SE, Schulman KA. Does the market value racial and ethnic concordance in physician-patient relationships? *Health Serv Res.* 2007;42:706-726.

166. Turer AT, Mahaffey KW, Compton KL, Califf RM, Schulman KA. Publication or presentation of results from multicenter clinical trials: Evidence from an academic medical center. *Am Heart J*. 2007;153:674-680.
167. Glickman SW, Ou FS, DeLong ER, et al. Pay for performance, quality of care, and outcomes in acute myocardial infarction. *JAMA*. 2007;297:2373-2380.
168. Reed SD, Califf RM, Schulman KA. Is there a price to pay for short-term savings in the clinical development of new pharmaceutical products? *Drug Inf J*. 2007;41:491-499.
169. Grabowski HG, Ridley DB, Schulman KA. Entry and competition in generic biologicals. *Managerial and Decision Economics*. 2007;28:439-451.
170. Friedman JY, Sugarman J, Dhillon JK, et al. Perspectives of clinical research coordinators on disclosing financial conflicts of interest to potential research participants. *Clin Trials*. 2007;4:272-278.
171. DePuy V, Anstrom KJ, Castel LD, Schulman KA, Weinfurt KP, Saad F. Effects of skeletal morbidities on longitudinal patient-reported outcomes and survival in patients with metastatic prostate cancer. *Support Care Cancer*. 2007;15:869-876.
172. Curtis LH, Hammill BG, Bethel MA, Anstrom KJ, Gottdiener JS, Schulman KA. Costs of metabolic syndrome in elderly individuals: findings from the Cardiovascular Health Study. *Diabetes Care*. 2007;30:2553-2558.
173. Curtis LH, Al-Khatib SM, Shea AM, Hammill BG, Hernandez AF, Schulman KA. Sex differences in the use of implantable cardioverter-defibrillators for primary and secondary prevention of sudden cardiac death. *JAMA*. 2007;298:1517-1524.
174. Shah BR, Glickman SW, Liang L, et al. The impact of for-profit hospital status on the care and outcomes of patients with non-ST-segment elevation myocardial infarction: results from the CRUSADE initiative. *J Am Coll Cardiol*. 2007;50:1462-1468.
175. Friedman JY, Curtis LH, Hammill BG, et al. The Medicare Modernization Act and reimbursement for outpatient chemotherapy: Do patients perceive changes in access to care? *Cancer*. 2007;110:2304-2312.
176. Glickman SW, Baggett KA, Krubert CG, Peterson ED, Schulman KA. Promoting quality: the health care organization from a management perspective. *Int J Qual Health Care*. 2007;19:341-348.
177. Glickman SW, Boulding W, Staelin R, et al. A framework for quality improvement: an analysis of factors responsible for improvement at hospitals participating in the Can Rapid Risk Stratification of Unstable Angina Patients Suppress Adverse Outcomes with Early Implementation of the ACC/AHA Guidelines (CRUSADE) quality improvement initiative. *Am Heart J*. 2007;154:1206-1220.
178. Shea AM, Reed SD, Curtis LH, Alexander MJ, Villani JJ, Schulman KA. Characteristics of nontraumatic subarachnoid hemorrhage in the United States in 2003. *Neurosurgery*. 2007;61:1131-1138.
179. Williams JE, Anstrom KJ, Friedman JY, Schulman KA. Racial/ethnic variation in perceptions of medical information sources in Durham County, North Carolina. *N C Med J*. 2007;68:391-398.
180. Curtis LH, Hammill BG, Bethel MA, et al. Pancreatic beta-cell function as a predictor of cardiovascular outcomes and costs: findings from the Cardiovascular Health Study. *Curr Med Res Opin*. 2008;24:41-50.
181. Reed SD, Shea AM, Schulman KA. Economic implications of potential changes to regulatory and reimbursement policies for medical devices. *J Gen Intern Med*. 2008;23(Suppl 1):50-56.
182. Curtis LH, Whellan DJ, Hammill BG, et al. Incidence and prevalence of heart failure in elderly persons, 1994-2003. *Arch Intern Med*. 2008;168:418-424.
183. Konstance RP, Eisenstein EL, Anstrom KJ, et al. Outcomes of second revascularization procedures after stent implantation. *J Med Syst*. 2008;32:177-186.
184. Hammill BG, Curtis LH, Bennett-Guerrero E, et al. Impact of heart failure on patients undergoing major noncardiac surgery. *Anesthesiology*. 2008;108:559-567.
185. Shea AM, Hammill BG, Curtis LH, Szczech LA, Schulman KA. Medical costs of abnormal serum sodium levels. *J Am Soc Nephrol*. 2008;19:764-770.
186. Glickman SW, Schulman KA, Peterson ED, Hocker MB, Cairns CB. Evidence-based perspectives on pay for performance and quality of patient care and outcomes in emergency medicine. *Ann Emerg Med*. 2008;51:622-631.
187. Reed SD, Anstrom KJ, Li Y, Schulman KA. Updated estimates of survival and cost effectiveness for imatinib versus interferon-alpha plus low-dose cytarabine for newly diagnosed chronic-phase chronic myeloid leukaemia. *Pharmacoeconomics*. 2008;26:435-446.
188. Weinfurt KP, Seils DM, Tzeng JP, Lin L, Schulman KA, Califf RM. Consistency of financial interest disclosures in the biomedical literature: the case of coronary stents. *PLoS ONE*. 2008;3:e2128.
189. Fleisher L, Buzaglo J, Collins M, et al. Using health communication best practices to develop a web-based provider-patient communication aid: the CONNECT study. *Patient Educ Couns*. 2008;71:378-387.
190. Glickman SW, Anstrom KJ, Lin L, et al. Challenges in enrollment of minority, pediatric, and geriatric patients in emergency and acute care clinical research. *Ann Emerg Med*. 2008;51:775-780.
191. Shea AM, Curtis LH, Szczech LA, Schulman KA. Sensitivity of International Classification of Diseases codes for hyponatremia among commercially insured outpatients in the United States. *BMC Nephrol*. 2008;9:5.

192. Shea AM, Curtis LH, Hammill BG, DiMartino LD, Abernethy AP, Schulman KA. Association between the Medicare Modernization Act of 2003 and patient wait times and travel distance for chemotherapy. *JAMA*. 2008;300:189-196.
193. Bearely S, Mruthyunjaya P, Tzeng JP, et al. Identification of patients with diabetic macular edema from claims data: a validation study. *Arch Ophthalmol*. 2008;126:986-989.
194. Kyle MK, Allsbrook JS, Schulman KA. Does reimportation reduce price differences for prescription drugs? Lessons from the European Union. *Health Serv Res*. 2008;43:1308-1324.
195. Weinfurt KP, Seils DM, Tzeng JP, et al. Expectations of benefit in early-phase clinical trials: implications for assessing the adequacy of informed consent. *Med Decis Making*. 2008;28:575-581.
196. Reed SD, Anstrom KJ, Seils DM, Califf RM, Schulman KA. Use of larger versus smaller drug-safety databases before regulatory approval: the trade-offs. *Health Aff (Millwood)*. 2008;27:w360-w730.
197. Takahashi T, Reed SD, Schulman KA. Cost-effectiveness of the oral adsorbent AST-120 vs placebo for chronic kidney disease. *Nephrology (Carlton)*. 2008;13:419-427.
198. Flynn KE, Weinfurt KP, Seils DM, et al. Decisional conflict among patients who accept or decline participation in phase I oncology studies. *J Empir Res Hum Res Ethics*. 2008;3:69-77.
199. Scales CD Jr, Antonelli J, Curtis LH, Schulman KA, Moul JW. Prostate-specific antigen screening among young men in the United States. *Cancer*. 2008;113:1315-1323.
200. Richman BD, Udayakumar K, Mitchell W, Schulman KA. Lessons from India in organizational innovation: a tale of two heart hospitals. *Health Aff (Millwood)*. 2008;27:1260-1270.
201. Weinfurt KP, Hall MA, Friedman JY, et al. Effects of disclosing financial interests on participation in medical research: a randomized vignette trial. *Am Heart J*. 2008;156:689-697.
202. Dev AT, Kauf TL, Zekry A, et al. Factors influencing the participation of gastroenterologists and hepatologists in clinical research. *BMC Health Serv Res*. 2008;8:208.
203. Al-Khatib SM, Greiner MA, Peterson ED, Hernandez AF, Schulman KA, Curtis LH. Patient and implanting physician factors associated with mortality and complications following implantable cardioverter-defibrillator implantation, 2002-2005. *Circ Arrhythm Electrophysiol*. 2008;1:240-249.
204. Califf RM, Rasiel EB, Schulman KA. Consideration of net present value in policy making regarding diagnostic and therapeutic technologies. *Am Heart J*. 2008;156:879-885.
205. Chatterji AK, Fabrizio KR, Mitchell W, Schulman KA. Physician-industry cooperation in the medical device industry. *Health Aff (Millwood)*. 2008;27:1532-1543.
206. Flynn KE, Dombeck CB, DeWitt EM, Schulman KA, Weinfurt KP. Using item banks to construct measures of patient reported outcomes in clinical trials: investigator perceptions. *Clin Trials*. 2008;5:575-586.
207. Hernandez AF, Shea AM, Milano CA, et al. Long-term outcomes and costs of ventricular assist devices among Medicare beneficiaries. *JAMA*. 2008;300:2398-2406.
208. Ackerly DC, Valverde AM, Diener LW, Dossary KL, Schulman KA. Fueling innovation in medical devices (and beyond): venture capital in health care. *Health Aff (Millwood)*. 2008;28:w68-w75.
209. Curtis LH, Greiner MA, Hammill BG, et al. Early and long-term outcomes of heart failure in elderly persons, 2001-2005. *Arch Intern Med*. 2008;168:2481-2488.
210. Shea AM, Curtis LH, Hammill BG, et al. Resource use and costs associated with diabetic macular edema in elderly persons. *Arch Ophthalmol*. 2008;126:1748-1754.
211. DiMartino LD, Curtis LH, Williams RL, Abernethy DR, Schulman KA. Using Medicare administrative data to conduct postmarketing surveillance on follow-on biologics: issues and opportunities. *Food Drug Law J*. 2008;63:891-900.
212. Zafar SY, Alexander SC, Weinfurt KP, Schulman KA, Abernethy AP. Decision making and quality of life in the treatment of cancer: a review. *Support Care Cancer*. 2009;17:117-127.
213. Hernandez AF, Hammill BG, O'Connor CM, Schulman KA, Curtis LH, Fonarow GC. Clinical effectiveness of beta-blockers in heart failure: findings from the OPTIMIZE-HF (Organized Program to Initiate Lifesaving Treatment in Hospitalized Patients With Heart Failure) registry. *J Am Coll Cardiol*. 2009;53:184-192.
214. Hall MA, Weinfurt KP, Lawlor JS, Friedman JY, Schulman KA, Sugarman J. Community hospital oversight of clinical investigators' financial relationships. *IRB*. 2009;31:7-13.
215. Li Y, Friedman JY, O'Neal BF, et al. Outcomes of Staphylococcus aureus infection in hemodialysis-dependent patients. *Clin J Am Soc Nephrol*. 2009;4:428-434.
216. Massie BM, Collins JF, Ammon SE, et al. Randomized trial of warfarin, aspirin, and clopidogrel in patients with chronic heart failure: the Warfarin and Antiplatelet Therapy in Chronic Heart Failure (WATCH) trial. *Circulation*. 2009;119(12):1616-1624.
217. O'Connor CM, Whellan DJ, Lee KL, et al. Efficacy and safety of exercise training in patients with chronic heart failure: the HF-ACTION randomized controlled trial. *JAMA*. 2009;301(14):1439-1450.
218. Flynn KE, Piña IL, Whellan DJ, et al. Effects of exercise training on health status in patients with chronic heart failure: HF-ACTION randomized controlled trial. *JAMA*. 2009;301(14):1451-1459.

219. Reed SD, Li Y, Anstrom KJ, Schulman KA. Cost effectiveness of ixabepilone plus capecitabine for metastatic breast cancer progressing after anthracycline and taxane treatment. *J Clin Oncol*. 2009;27(13):2185-2191.
220. Wideroff L, Phillips KA, Randhawa G, et al. A health services research agenda for cellular, molecular and genomic technologies in cancer care. *Public Health Genomics*. 2009;12(4):233-244.
221. Glickman SW, McHutchison JG, Peterson ED, Cairns CB, Harrington RA, Califf RM, Schulman KA. Ethical and scientific implications of the globalization of clinical research. *N Engl J Med*. 2009;360(8):816-823.
222. Hammill BG, Hernandez AF, Peterson ED, Fonarow GC, Schulman KA, Curtis LH. Linking inpatient clinical registry data to Medicare claims data using indirect identifiers. *Am Heart J*. 2009;157(6):995-1000.
223. DiMartino LD, Hammill BG, Curtis LH, et al. External validity of the Cardiovascular Health Study: a comparison with the Medicare population. *Med Care*. 2009;47(8):916-923.
224. Schulman KA, Vidal AV, Ackerly DC. Personalized medicine and disruptive innovation: implications for technology assessment. *Genet Med*. 2009;11(8):577-581.
225. Weinfurt KP, Hall MA, King NM, Friedman JY, Schulman KA, Sugarman J. Disclosing financial relationships to participants in clinical research. *N Engl J Med*. 2009;361(9):916-921.
226. Flynn KE, Lin L, Ellis SJ, et al. Relationships between patient-reported outcome measures and clinical measures in outpatients with heart failure. *Am Heart J*. 2009;158(4 Suppl 1):S64-S71.
227. Glickman SW, Boulding W, Roos JM, Staelin R, Peterson ED, Schulman KA. Alternative pay-for-performance scoring methods: implications for quality improvement and patient outcomes. *Med Care*. 2009;47(10):1062-1068.
228. DeWitt EM, Lin L, Glick HA, Anstrom KJ, Schulman KA, Reed SD. Pattern and predictors of biologics initiation in rheumatoid arthritis: an ARAMIS cohort study. *Clin Ther*. 2009;31(8):1871-1880.
229. Dinan MA, Chou CH, Hammill BG, et al. Outcomes of inpatients with and without sickle cell disease after high-volume surgical procedures. *Am J Hematol*. 2009;84(11):703-709.
230. Patterson ME, Grant WC, Glickman SW, et al. Resource use and the costs of treatment with anticoagulation and antiplatelet agents: results of the WATCH trial economic evaluation. *J Card Fail*. 2009;15(10):819-827.
231. Fekrat S, Shea AM, Hammill BG, et al. Resource use and costs of branch and central retinal vein occlusion in the elderly. *Curr Med Res Opin*. 2010;26(1):223-230.
232. Hammill BG, Curtis LH, Schulman KA, Whellan DJ. Relationship between cardiac rehabilitation and long-term risks of death and myocardial infarction among elderly Medicare beneficiaries. *Circulation*. 2010;121(1):63-70.
233. Hernandez AF, Fonarow GC, Hammill BG, et al. Clinical effectiveness of implantable cardioverter-defibrillators among Medicare beneficiaries with heart failure. *Circ Heart Fail*. 2010;3(1):7-13.
234. Whellan DJ, Greiner MA, Schulman KA, Curtis LH. Costs of inpatient care among Medicare beneficiaries with heart failure, 2001 to 2004. *Circ Cardiovasc Qual Outcomes*. 2010;3(1):33-40.
235. Glickman SW, Krubert C, Koppenhaver J, Glickman LT, Schulman KA, Cairns CB. Increased rate of central venous catheterization procedures in community EDs. *Am J Emerg Med*. 2010;28(2):208-212.
236. Fortune-Greeley AK, Hardy NC, Lin L, et al. Patient reactions to confidentiality, liability, and financial aspects of informed consent in cardiology research. *Circ Cardiovasc Qual Outcomes*. 2010;3(2):151-158.
237. Glickman SW, Boulding W, Manary M, et al. Patient satisfaction and its relationship with clinical quality and inpatient mortality in acute myocardial infarction. *Circ Cardiovasc Qual Outcomes*. 2010;3(2):188-195.
238. Petersen JL, Barron JJ, Hammill BG, et al. Clopidogrel use and clinical events after drug-eluting stent implantation: findings from the HealthCore Integrated Research Database. *Am Heart J*. 2010;159(3):462-470.e1.
239. Hernandez AF, Hammill BG, Peterson ED, et al. Relationships between emerging measures of heart failure processes of care and clinical outcomes. *Am Heart J*. 2010;159(3):406-413.
240. Davis SN, Horton ES, Battelino T, Rubin RR, Schulman KA, Tamborlane WV. STAR 3 randomized controlled trial to compare sensor-augmented insulin pump therapy with multiple daily injections in the treatment of type 1 diabetes: research design, methods, and baseline characteristics of enrolled subjects. *Diabetes Technol Ther*. 2010;12(4):249-255.
241. Ackerly DC, Glickman SW, Schulman KA. Economic content in medical journal advertisements for medical devices and prescription drugs. *Pharmacoeconomics*. 2010;28(5):429-438.
242. Weinfurt KP, Hall MA, Hardy NC, Friedman JY, Schulman KA, Sugarman J. Oversight of financial conflicts of interest in commercially sponsored research in academic and nonacademic settings. *J Gen Intern Med*. 2010;25(5):460-464.
243. Dinan MA, Curtis LH, Hammill BG, et al. Changes in the use and costs of diagnostic imaging among Medicare beneficiaries with cancer, 1999-2006. *JAMA*. 2010;303(16):1625-1631.
244. Vaughn BT, DeVrieze SR, Reed SD, Schulman KA. Can we close the income and wealth gap between specialists and primary care physicians? *Health Aff (Millwood)*. 2010;29(5):933-940.
245. Reed SD, Whellan DJ, Li Y et al. Economic evaluation of the HF-ACTION (Heart Failure: A Controlled Trial Investigating Outcomes of Exercise Training) randomized controlled trial: an exercise training study of patients with chronic heart failure. *Circ Cardiovasc Qual Outcomes*. 2010;3(4):374-381.

246. Bergenstal RM, Tamborlane WV, Ahmann A, Buse JB, Dailey G, Davis SN, Joyce C, Peoples T, Perkins BA, Welsh JB, Willi SM, Wood MA; STAR 3 Study Group. Effectiveness of sensor-augmented insulin-pump therapy in type 1 diabetes. *N Engl J Med*. 2010 Jul 22;363(4):311-20.
247. Chou CH, Reed SD, Allsbrook JS, Steele JL, Schulman KA, Alexander MJ. Costs of vasospasm in patients with aneurysmal subarachnoid hemorrhage. *Neurosurgery*. 2010;67(2):345-352.
248. Patel MR, Greiner MA, Dimartino LD, et al. Geographic variation in carotid revascularization among Medicare beneficiaries, 2003-2006. *Arch Intern Med*. 2010;170(14):1218-1225.
249. Patterson ME, Hernandez AF, Hammill BG, et al. Process of care performance measures and long-term outcomes in patients hospitalized with heart failure. *Med Care*. 2010;48(3):210-216.
250. Curtis LH, Hammill BG, Schulman KA, Cousins SW. Risks of mortality, myocardial infarction, bleeding, and stroke associated with therapies for age-related macular degeneration. *Arch Ophthalmol*. 2010;128(10):1273-1279.
251. Curtis LH, Greiner MA, Patel MR, Duncan PW, Schulman KA, Matchar DB. Geographic variation and trends in carotid imaging among Medicare beneficiaries, 2001 to 2006. *Circ Cardiovasc Qual Outcomes*. 2010;3(6):599-606.
252. Nagler A, Andolsek K, Dossary K, Schlueter J, Schulman K. Addressing the systems-based practice requirement with health policy content and educational technology. *Med Teach*. 2010;32(12):e559-e565.
253. Curtis LH, Greiner MA, Shea AM, et al. Assessment of left ventricular function in elderly Medicare beneficiaries with newly diagnosed heart failure. *Circ Cardiovasc Qual Outcomes*. 2011;4(1):85-91.
254. Reed SD, Scales CD, Jr., Stewart SB, et al. Effects of family history and genetic polymorphism on the cost-effectiveness of chemoprevention with finasteride for prostate cancer. *J Urol*. 2011;185(3):841-847.
255. Boulding W, Glickman SW, Manary MP, Schulman KA, Staelin R. Relationship between patient satisfaction with inpatient care and hospital readmission within 30 days. *Am J Manag Care*. 2011;17(1):41-48.
256. Unroe KT, Greiner MA, Hernandez AF, et al. Resource use in the last 6 months of life among Medicare beneficiaries with heart failure, 2000-2007. *Arch Intern Med*. 2011;171(3):196-203.
257. Glickman SW, Ndubuizu A, Weinfurt KP, et al. The case for research justice: inclusion of patients with limited English proficiency in clinical research. *Acad Med*. 2011;86(3):389-393.
258. Dinan MA, Compton KL, Dhillon JK, et al. Use of patient-reported outcomes in randomized, double-blind, placebo-controlled clinical trials. *Med Care*. 2011;49(4):415-419.
259. Wiener JS, Antonelli J, Shea AM, et al. Bladder augmentation versus urinary diversion in patients with spina bifida in the United States. *J Urol*. 1999;186(1):161-165.
260. Segall N, Saville JG, L'Engle P, et al. Usability evaluation of a personal health record. *AMIA Ann Symp Proc*. 2011;2011:1233-1242.
261. Reed SD, Li Y, Kamble S, et al. Introduction of the TEAM-HF costing tool: a user-friendly spreadsheet program to estimate costs of providing patient-centered interventions. *Circ Cardiovasc Qual Outcomes*. 2012;5(1):113-119.
262. Greiner MA, Hammill BG, Fonarow GC, et al. Predicting high costs among Medicare beneficiaries with heart failure. *Am J Cardiol*. 2012;109(5):705-711.
263. Glickman SW, Galhenage S, McNair L, et al. The potential influence of Internet-based social networking on the conduct of clinical research studies. *J Empir Res Hum Res Ethics*. 2012;7(1):71-80.
264. Dinan MA, Robinson TJ, Zagar TM, et al. Changes in initial treatment for prostate cancer among Medicare beneficiaries, 1999-2007. *Int J Radiat Oncol Biol Phys*. 2012;82(5):e781-e786.
265. DeWitt EM, Grussemeyer CA, Friedman JY, Dinan MA, Schulman KA, Reed SD. Resource use, costs, and utility estimates for patients with cystic fibrosis with mild impairment in lung function: analysis of data collected alongside a 48-week multicenter clinical trial. *Value Health*. 2012;15(2):277-283.
266. Baras AI, Baras AS, Schulman KA. Drug development risk and the cost of capital. *Nat Rev Drug Discov*. 2012;11(5):347-348.
267. Curtis LH, Hammill BG, Qualls LG, et al. Treatment patterns for neovascular age-related macular degeneration: analysis of 284 380 Medicare beneficiaries. *Am J Ophthalmol*. 2012;153(6):1116-1124.e1.
268. Dinan MA, Curtis LH, Carpenter WR, et al. Stage migration, selection bias, and survival associated with the adoption of positron emission tomography among Medicare beneficiaries with non-small-cell lung cancer, 1998-2003. *J Clin Oncol*. 2012;30(22):2725-2730.
269. Kamble S, Schulman KA, Reed SD. Cost-effectiveness of sensor-augmented pump therapy in adults with type 1 diabetes in the United States. *Value Health*. 2012;15(5):632-638.
270. Gellad ZF, Muir AJ, McHutchison JG, et al. Cost-effectiveness of truncated therapy for hepatitis C based on rapid virologic response. *Value Health*. 2012;15(6):876-886.
271. Reed SD, Li Y, Ellis SJ, et al. Associations between hemoglobin level, resource use, and medical costs in patients with heart failure: findings from HF-ACTION. *J Card Fail*. 2012;18(10):784-791.
272. Jimoh LY, Pate MA, Lin L, Schulman KA. A model for the adoption of ICT by health workers in Africa. *Int J Med Inform*. 2012;81(11):773-781.
273. Reed SD, Li Y, Dunlap ME, et al. In-hospital resource use and medical costs in the last year of life by mode of death (from the HF-ACTION randomized controlled trial). *Am J Cardiol*. 2012;110(8):1150-1155.

274. Valverde AM, Reed SD, Schulman KA. Proposed 'grant-and-access' program with price caps could stimulate development of drugs for very rare diseases. *Health Aff (Millwood)*. 2012;31(11):2528-2535.
275. Peterson AC, Curtis LH, Shea AM, et al. Urinary diversion in patients with spinal cord injury in the United States. *Urology*. 2012;80(6):1247-1251.
276. DeWitt EM, Li Y, Curtis JR, et al. Comparative effectiveness of non-biologic versus biologic DMARDs for rheumatoid arthritis: methodological considerations. *J Rheumatol*. 2013;40(2):127-136.
277. Kamble S, Weinfurt KP, Perry BM, Schulman KA, Reed SD. Patient time and indirect costs associated with sensor-augmented insulin pump therapy in type 1 diabetes: results from a randomized trial. *Med Decis Making*. 2013;33(2):215-224.
278. Meropol NJ, Eggleston BL, Buzaglo JS, et al. A Web-based communication aid for patients with cancer: the CONNECT study. *Cancer*. 2013;119(7):1437-1445.
279. Reed SD, Dinan MA, Schulman KA, Lyman GH. Cost-effectiveness of the 21-gene Recurrence Score assay in the context of multifactorial decision making to guide chemotherapy for early-stage breast cancer. *Genet Med*. 2013;15(3):203-211.
280. Qualls LG, Hammill BG, Wang F, et al. Costs of newly diagnosed neovascular age-related macular degeneration among Medicare beneficiaries, 2004-2008. *Retina*. 2013;33(4):854-861.
281. Li Y, Neilson MP, Whellan DJ, Schulman KA, Levy WC, Reed SD. Associations between Seattle Heart Failure Model scores and health utilities: findings from HF-ACTION. *J Card Fail*. 2013;19(5):311-316.
282. Dinan MA, Curtis LH, Carpenter WR, et al. Variation in the use of positron emission tomography among Medicare beneficiaries with non-small-cell lung cancer, 1998-2005. *Radiology*. 2013;267(3):807-817.
283. Hirsch BR, Califf RM, Cheng SK, et al. Characteristics of oncology clinical trials: insights from a systematic analysis of ClinicalTrials.gov. *JAMA Intern Med*. 2013;173(11):972-979.
284. Reed SD, Kaul P, Li Y, et al. Medical resource use, costs, and quality of life in patients with acute decompensated heart failure: findings from ASCEND-HF. *J Card Fail*. 2013;19(9):611-620.
285. Eapen ZJ, Hammill BG, Setoguchi S, et al. Who enrolls in the Medicare Part D prescription drug benefit program? Medication use among patients with heart failure. *J Am Heart Assoc*. 2013;2(5):e000242.
286. Pina IL, Lin L, Weinfurt KP, et al. Hemoglobin, exercise training, and health status in patients with chronic heart failure (from the HF-ACTION randomized controlled trial). *Am J Cardiol*. 2013;112(7):971-976.
287. Lewis EF, Li Y, Pfeffer MA, et al. Impact of cardiovascular events on change in quality of life and utilities in patients after myocardial infarction: a VALIANT study (Valsartan in Acute Myocardial Infarction). *JACC Heart Fail*. 2014;2(2):159-165.
288. Dinan MA, Curtis LH, Carpenter WR, et al. Redistribution of health care costs after the adoption of positron emission tomography among Medicare beneficiaries with non-small-cell lung cancer, 1998-2005. *J Thorac Oncol*. 2014;9(4):512-518.
289. Kalman NS, Hammill BG, Murray RB, Schulman KA. Removing a constraint on hospital utilization: a natural experiment in Maryland. *Am J Manag Care*. 2014;20(6):e191-e199.
290. Wen J, Schulman KA. Can team-based care improve patient satisfaction? A systematic review of randomized controlled trials. *PLoS One*. 2014;9(7):e100603.
291. Li Y, Levy WC, Neilson MP, et al. Associations between seattle heart failure model scores and medical resource use and costs: findings from HF-ACTION. *J Card Fail*. 2014;20(8):541-547.
292. Sama PR, Eapen ZJ, Weinfurt KP, Shah BR, Schulman KA. An evaluation of mobile health application tools. *JMIR Mhealth Uhealth*. 2014;2(2):e19.
293. Hirsch BR, Balu S, Schulman KA. The impact of specialty pharmaceuticals as drivers of health care costs. *Health Aff (Millwood)*. 2014;33(10):1714-1720.
294. Dardas T, Levy W, Reed S, et al. Incremental and independent value of cardiopulmonary exercise test measures and the Seattle Heart Failure Model for prediction of risk in patients with heart failure. *J Heart Lung Transplant*. 2015;34(8):1017-1023.
295. Kalman NS, Hammill BG, Schulman KA, Shah BR. Hospital Overhead Costs: The Neglected Driver of Health Care Spending? *J Health Care Finance*. 2015;41(4):1-15.
296. Mühlbacher AC, Bethge S, Reed SD, Schulman KA. Patient preferences for features of health care delivery systems: a discrete choice experiment. *Health Serv Res*. 2015 Aug 10. doi: 10.1111/1475-6773.12345. [Epub ahead of print]
297. Reed SD, Neilson MP, Gardner M, Li Y, Briggs AH, Polsky DE, Graham FL, Bowers MT, Paul SC, Granger BB, Schulman KA, Whellan DJ, Riegel B, Levy WC. Tools for Economic Analysis of Patient Management Interventions in Heart Failure Cost-Effectiveness Model: A Web-based program designed to evaluate the cost-effectiveness of disease management programs in heart failure. *Am Heart J*. 2015 Nov;170(5):951-60. Epub 2015 Aug 20.
298. Glickman SW, Mehrotra A, Shea CM, Mayer C, Strickler J, Pabers S, Larson J, Goldstein B, Mandelkehr L, Cairns CB, Pines JM, Schulman KA. A Patient Reported Approach to Identify Medical Errors and Improve Patient Safety in the Emergency Department. *J Patient Saf*. 2016 Nov 2. [Epub ahead of print]

299. Levy WC, Li Y, Reed SD, Zile MR, Shadman R, Dardas T, Whellan DJ, Schulman KA, Ellis SJ, Neilson M, O'Connor CM; HFACTION Investigators. Does the Implantable Cardioverter-Defibrillator Benefit Vary With the Estimated Proportional Risk of Sudden Death in Heart Failure Patients? *JACC Clin Electrophysiol*. 2017 Mar;3(3):291-298.
300. Maniya OZ, Mather RC 3rd, Attarian DE, et al. Modeling the potential economic impact of the Medicare Comprehensive Care for Joint Replacement episode-based payment model. *J Arthroplasty*. 2017 Jun 8. [Epub ahead of print]
301. Hardy, M, Cho, A, Stavig, A, Bratcher, M, Dillard, J, Greenblatt, L, Schulman, K. Understanding Frequent Emergency Department Use Among Primary Care Patients. *Popul Health Manag*. 2017. PMID: 28609191
302. Sendak M, Balu S, Schulman, KA. "Barriers to Achieving Economies of Scale in Analysis of EHR Data: A Cautionary Tale. *Appl Clin Infor* 2017; 8: 826-831
303. Clough J, Dinan M, Schulman KA. Trends in Hospital-Physician Integration in Medical Oncology. *Am J Manag Care*. 2017 Oct;23(10):624-627.
304. Tseng P; Kaplan RS; Richman BD; Shah MA; Schulman KA. Administrative Costs Associated With Physician Billing and Insurance-Related Activities at an Academic Health Care System. *JAMA*. 2018;319(7):691-697.
305. Sneha P. Shah, MBA; Lauren McCourt, BA, BS; Kristina Jakobson, BA; Amy Saddington, BS; Kate Harvey, MBA; Kevin A. Schulman, MD. Leading Change—A National Survey of Chief Innovation Officers in Health Systems Health Management Policy and Innovation, Volume 3, Issue 1.
306. Young R, Bekele T, Gunn A et al. Developing new health technologies for neglected diseases: a pipeline portfolio review and cost model [version 2; referees: 2 approved, 1 approved with reservations]. *Gates Open Res* 2018, 2:23 (doi: [10.12688/gatesopenres.12817.2](https://doi.org/10.12688/gatesopenres.12817.2)) First published: 26 Apr 2018, 2:23 (doi: [10.12688/gatesopenres.12817.1](https://doi.org/10.12688/gatesopenres.12817.1)) Latest published: 22 Aug 2018, 2:23 (doi: [10.12688/gatesopenres.12817.2](https://doi.org/10.12688/gatesopenres.12817.2))
307. Schulman KA, Dabora M. The Relationship Between Pharmacy Benefit Managers (PBMs) and the Cost of Therapies in the U.S. Pharmaceutical Market: A Policy Primer for Clinicians. *Am Heart J*. 2018 Dec;206:113-122.
308. Ndichu ET, Ohiri K, Sekoni O, Makinde O, Schulman KA. Evaluating the quality of antihypertensive drugs in Lagos State, Nigeria. *PLOS One*. February 13, 2019. <https://doi.org/10.1371/journal.pone.0211567>
309. Nelly-Ange T. Kontchou, MD, MBA, Andrew W. McCrary, MD, MSc, and Kevin A. Schulman, MD. Workforce Cost Model for Expanding Congenital and Rheumatic Heart Disease Services in Kenya. *World Journal for Pediatric and Congenital Heart Surgery* 2019, Vol. 10(3) 321-327.
310. Xiaole Liu, Kevin Schulman, David Scheinker. 2019. Private and Public Incentives for Hospitals to Improve the Quality and Reduce the Cost of Care. *Health Management Policy and Innovation*, Volume 4, Issue 3.
311. F. Erhun, PhD, R. S. Kaplan, PhD, V. G. Narayanan, PhD, K. Brayton, MD, JD, MS, M. Kalani, MD, M. C. Mazza, PhD, C. Nguyen, MD, MS, a T. Platchek, MD, B. Mistry, MD, MBA, R. Mann, BA, D. Kazi, MD, MS, C. Pinnock, MD, MPH, K. A. Schulman, MD, MBA, J. Xue, MD, MPH, D. Ballard, MD, MSPH, PhD, FACP, M. Mack, MD, B. James, MD, G. Poulsen, MBA., Punnen, MD, g D. Shetty, MD, and A. Milstein, MD, MPH. Are cost advantages from a modern Indian hospital transferable to the United States? *American Heart Journal* Volume 22, 2020: 148-155.
312. Weinstein EP, Schulman K. Exploring payments in the US pharmaceutical market from 2011 to 2019: Update on pharmacy benefit manager impact [published online ahead of print, 2020 Jul 2]. *Am Heart J*. 2020;227:107-110. doi:10.1016/j.ahj.2020.06.017
313. Leal J, Reed SD, Patel R, et al. Benchmarking the Cost-Effectiveness of Interventions Delaying Diabetes: A Simulation Study Based on NAVIGATOR Data [published online ahead of print, 2020 Aug 12]. *Diabetes Care*. 2020;dc200717. doi:10.2337/dc20-0717
314. Weiss, D.J., Nelson, A., Vargas-Ruiz, C.A. et al. Global maps of travel time to healthcare facilities. *Nat Med*. 2020;26(12):1835-1838.
315. Holmgren AJ, Downing NL, Bates DW, Shanafelt TD, Milstein A, Sharp CD, Cutler DM, Huckman RS, Schulman KA. Assessment of Electronic Health Record Use Between US and Non-US Health Systems. *JAMA Intern Med*. 2021;181(2):251-259.
316. Scheinker D, Richman BD, Milstein A, Schulman KA. Reducing administrative costs in US health care: Assessing single payer and its alternatives. *Health Services Research*. 2021;56(4):615-625.
317. Xue, J, Hinkle J, Reeves, MG, et al. A Cost Comparison of Cataract Surgeries in Three Countries — United States, India, and Nepal. *NEJM Catalyst Innovations in Care Delivery*. 2021;2(9).
318. Lu M, Zhao Q, Poston KL, et al. Quantifying Parkinson's Disease Motor Severity Under Uncertainty Using MDS-UPDRS Videos. *Medical Image Analysis*. 2021:102179.
319. Wood S, Pate MA, Schulman K. Novel strategies to support global promotion of COVID-19 vaccination. *BMJ Glob Health*. 2021;6(10):e006066.
320. Korley FK, Durkalski-Mauldin V, Yeatts SD, Schulman K, Davenport RD, Dumont LJ, El Kassab N, Foster LD, Hah JM, Jaiswal S, Kaplan A, Lowell E, McDyer JF, Quinn J, Triulzi DJ, Van Huysen C, Stevenson VLW, Yadav K, Jones CW, Kea B, Burnett A, Reynolds JC, Greineder CF, Haas NL, Beiser DG, Silbergleit R, Barsan W, Callaway CW;

- SIREN-C3PO Investigators. Early Convalescent Plasma for High-Risk Outpatients with Covid-19. *N Engl J Med*. 2021;385(21):1951-1960.
321. Gandhi N, Schulman KA. New Medicare Technology Add-On Payment Could Be Used As A Market Support Mechanism To Accelerate Antibiotic Innovation. *Health Aff (Millwood)*. 2021;40(12):1926-1934.
 322. Ruggles SW, Perl JR, Sexton Z, Schulman KA, Makower J. The Need for Accelerated Medicare Coverage of Innovative Technologies: Impact on Patient Access and the Innovation Ecosystem. *Health Management, Policy and Innovation*. 2022;7(1).
 323. Wood S, Mather RC, Hutyra C, Schulman KA. Effective Patient-Centric Engagement in Population Health: Using Marketing Segmentation Methods to Address Patient Non-Adherence. *Health Management, Policy and Innovation*. 2022;7(1).
 324. Fuentes L, Shah N, Kelly S, Harnett G, Schulman KA. Exploring Workplace Testing with Real-Time Polymerase Chain Reaction SARS-CoV-2 Testing. *The Journal of the American Board of Family Medicine*. 2022;35(1) 96-101.
 325. Termglinchan V, Daswani S, Duangtaweesub P, Assavapokee T, Milstein A, & Schulman KA. Identifying solutions to meet unmet needs of family caregivers using human-centered design. *BMC geriatrics*. 2022;22(1) 1-10.
 326. Teasdale B, Nguyen A, van Meijgaard J & Schulman KA. Trends and Determinants of Retail Prescription Drug Costs. *Health Serv Res*. 2022;57(3):548-56.
 327. Dash D, Gokhale A, Patel BS, Callahan A, Posada J, Krishnan G, Collins W, Li R, Schulman K, Ren L, Shah NH. Building a Learning Health System: Creating an Analytical Workflow for Evidence Generation to Inform Institutional Clinical Care Guidelines. *Appl Clin Inform*. 2022 Jan;13(1):315-321.
 328. Holmgren AJ, Rotenstein L, Downing NL, Bates DW, Schulman KA. Association between state-level malpractice environment and clinician electronic health record (EHR) time. *Journal of the American Medical Informatics Association*. 2022;ocac034.
 329. Ozdalga, E, Ahuja, N, Sehgal, N, Hom, J, Weng, Y, Pinsky, B, Schulman, KA, & Collins, W. Detailed characterization of hospitalized patients infected with the Omicron variant of SARS-CoV-2 [published online ahead of print, 2022 Apr 13]. *J Intern Med*. 2022;10.1111/joim.13501.
 330. Reeves MG, Xue J, Milstein A, Tabin G, Goldberg JL, Schulman K. State-level differences in duties permitted to be performed by medical assistants in the delivery of eye care. *Invest. Ophthalmol. Vis. Sci*. 2022;63(7):3089.
 331. Richman BD, Kaplan RS, Kohli J, Purcell D, Shah M, Bonfrer I, Golden B, Hannam R, Mitchell W, Cehic D, Crispin G, Schulman KA. Billing And Insurance-Related Administrative Costs: A Cross-National Analysis: Study examines health care billing and insurance related administrative costs across several countries. *Health Affairs*. 2022;41(8):1098-1106.
 332. Dixit, RA, Ratwani, RM, Bishop, JA, Schulman, KA, Sharp, C, Palakanis, K, Booker, E. The impact of expanded telehealth availability on primary care utilization. *NPJ digital medicine*. 2022;5(1), 1-3.
 333. Wang, PJ, Lu Y, Mahaffey KH, et al. A Randomized Clinical Trial to Evaluate an Atrial Fibrillation Stroke Prevention Shared Decision-Making Pathway. *Journal of the American Heart Association*. 2023;12(3):e028562.

REVIEW ARTICLES AND COMMENTARIES:

1. Schulman KA, Lynn LA. A primer on cost-effectiveness studies. *Drug Benefit Topics*. 1990;2:13-17.
2. Schulman KA. Basics of health insurance reimbursement. *Hosp Physician*. 1990;26:23-27.
3. Glick H, Kinosian B, Schulman K. Decision analytic modeling: some uses in the evaluation of new pharmaceuticals. *Drug Inf J*. 1994;28:691-707.
4. Schulman KA, Glick HA, Yabroff KR, Eisenberg JM. Introduction to clinical economics: assessment of cancer therapies. *J Natl Cancer Inst Monogr*. 1995;(19):1-9.
5. Schulman KA, Rubenstein LE, Chesley FD, Eisenberg JM. The roles of race and socioeconomic factors in health services research. *Health Serv Res*. 1995;30(1 Pt 2):179-195.
6. Schulman KA, Yabroff KR. Measuring the cost-effectiveness of cancer care. *Oncology*. 1995;9:523-533.
7. Yabroff KR, Linas BP, Schulman K. Evaluation of quality of life for diverse patient populations. *Breast Cancer Res Treat*. 1996;40:87-104.
8. Schulman KA, Rubenstein LE, Glick HA, Eisenberg JM. Relationships between sponsors and investigators in pharmaco-economic and clinical research. *Pharmacoeconomics*. 1995;7:206-220.
9. Schulman KA. Economics of bone marrow transplantation. *J Clin Oncol*. 1996;14:1409-1410.
10. Schulman KA, Rubenstein LE, Abernethy DR, Seils DM, Sulmasy DP. The effect of pharmaceutical benefits managers: is it being evaluated? *Ann Intern Med*. 1996;124:906-913.
11. Schulman KA, Llana T, Yabroff KR. Economic assessment within the clinical development program. *Med Care*. 1996;34(12 Suppl):DS89-DS95.
12. Schulman KA. Understanding the economic savings and costs of periodic mammographic screening in the workplace. *Oncology*. 1996;10:285-284.
13. Tom E, Schulman KA. Mathematical models in decision analysis. *Infect Control Hosp Epidemiol*. 1997;18:65-73.

14. Schulman KA, Linas BP. Pharmacoeconomics: state of the art in 1997. *Annu Rev Public Health*. 1997;18:529-548.
15. Schulman KA, Johnson AE, Rathore SS. The use of satisfaction measures in oncology. *ASCO Education Book*. 1997;Spring:337-341.
16. Schulman KA, Boyko WL, Jr. Evaluating cancer costs in NCI trials. *Cancer Treat Res*. 1998;97:37-52.
17. Schulman KA, Mark DB, Califf RM. Outcomes and costs within a disease management program for advanced congestive heart failure. *Am Heart J*. 1998;135(6 Pt 2 Su):S285-S292.
18. Schulman KA. Beyond survival: economic analyses of chemotherapy in advanced, inoperable, non small cell lung cancer. *Oncology*. 2000;12:219-223.
19. Schulman KA, Ohishi A, Park J, Glick HA, Eisenberg JM. Clinical economics in clinical trials: the measurement of cost and outcomes in the assessment of clinical services through clinical trials. *Keio J Med*. 1999;48:1-11.
20. Sheifer SE, Schulman KA. Racial differences in the use of invasive cardiac procedures: a continuous quality improvement approach. *Am Heart J*. 1999;138(3 Pt 1):396-399.
21. Winchester JF, Levine B, Collmann J, et al. Telemedicine: future promise for dialysis management. *Semin Dial*. 1999;12(Suppl 1):S101-S103.
22. Sheifer SE, Escarce JJ, Schulman KA. Race and sex differences in the management of coronary artery disease. *Am Heart J*. 2000;139:848-857.
23. Schulman KA, Kim JJ. Medical errors: how the US government is addressing the problem. *Curr Control Trials Cardiovasc Med*. 2000;1:35-37.
24. Einbinder LC, Schulman KA. The effect of race on the referral process for invasive cardiac procedures. *Med Care Res Rev*. 2000;57 Suppl 1:162-180.
25. Seils DM, Friedman JY, Schulman KA. Sex differences in the referral process for invasive cardiac procedures. *J Am Med Womens Assoc*. 2001;56:151-154.
26. Schulman KA. Understanding attitudes toward clinical research. *J Ambul Care Manage*. 2003;26:88-90.
27. Schulman KA, Seils DM. Outcomes research in oncology: improving patients' experiences with cancer treatment. *Clin Ther*. 2003;25:665-670.
28. Wang SS, Mendelson DN, Schulman KA, Mark DB. Exploring options for improving healthcare. *Am Heart J*. 2004;147:23-30.
29. Schulman KA. Commentary: Garson's "Physicians, coverage, quality, and cost: the intertwined caduceus." *J Am Coll Cardiol*. 2004;43:6-7.
30. Torti FM Jr, Gwyther LP, Reed SD, Friedman JY, Schulman KA. A multinational review of recent trends and reports in dementia caregiver burden. *Alzheimer Dis Assoc Disord*. 2004;18:99-109.
31. Ridley DB, Schulman KA. Differential pricing of pharmaceuticals in the Internet age. *J Ambul Care Manage*. 2004;27:210-214.
32. Seils DM, Schulman KA. Perceptions of racial and ethnic differences in access to healthcare. *N C Med J*. 2004;65:350-352.
33. Schulman KA. Commentary: The unknown benefit of complementary and alternative medicine. *J Altern Complement Med*. 2004;10:911.
34. Schulman KA. Annotated bibliography. *Breast Diseases: A Year Book Quarterly*. 2004;15:468.
35. Meropol NJ, Desmond-Hellman S, Tunis S, Schulman KA. Can society afford state-of-the-art cancer treatment? *ASCO Educational Book*. 2005;:473-480.
36. Ginsburg GS, Konstance RP, Allsbrook JS, Schulman KA. Implications of pharmacogenomics for drug development and clinical practice. *Arch Intern Med*. 2005;165:2331-2336.
37. Meropol NJ, Schulman KA. Perspectives on the cost of cancer care. *J Clin Oncol*. 2007;25:169-170.
38. Meropol NJ, Schulman KA. Cost of cancer care: issues and implications. *J Clin Oncol*. 2007;25:180-186.
39. Hall MA, Schulman KA. Ownership of medical information. *JAMA*. 2009;301(12):1282-1284.
40. Reed SD, Schulman KA. Cost-utility of sequential adjuvant trastuzumab for HER2/neu-positive breast cancer. *Value Health*. 2009;12(5):637-640.
41. Glickman SW, McHutchison JG, Peterson ED, Cairns CB, Harrington RA, Califf RM, Schulman KA. Ethical and scientific implications of the globalization of clinical research. *N Engl J Med*. 2009;360(8):816-823.
42. Yancy WS, Jr., Maciejewski ML, Schulman KA. Animal, vegetable, or ... clinical trial? *Ann Intern Med*. 2010;153(5):337-339.
43. Hall MA, Friedman JY, King NM, Weinfurt KP, Schulman KA, Sugarman J. Per capita payments in clinical trials: reasonable costs versus bounty hunting. *Acad Med*. 2010;85(10):1554-1556.
44. Ahmad A, Schulman K. Moving forward with clinical IT on multiple fronts: an interview with Asif Ahmad and Kevin Schulman, M.D., Duke University Health System/Duke University. *Healthc Inform*. 2010;27(10):45-47.
45. Schulman KA, Tunis SR. A policy approach to the development of molecular diagnostic tests. *Nat Biotechnol*. 2010;28(11):1157-1159.
46. Richman BD, Havighurst CC, Berenson RA, Schulman KA. A cautious path forward on accountable care organizations. *JAMA*. 2011;305(6):602-603.

47. Sampson JH, Kaminski TJ, Schulman KA. Our failure to advance new treatments for glioma to market. *J Neurosurg.* 2011;115(2):245-247.
48. Sullivan R, Peppercorn J, Sikora K, et al. Delivering affordable cancer care in high-income countries. *Lancet Oncol.* 2011;12(10):933-980.
49. Reed SD, Eapen ZJ, Schulman KA. End point selection in acute decompensated heart failure clinical trials: economic end points. *Heart Fail Clin.* 2011;7(4):529-37.
50. Ackerly DC, Sangvai D, Udayakumar K, et al. Training the next generation of physician-executives: an innovative residency pathway in management and leadership. *Acad Med.* 2011;86(5):75-579.
51. Patel UD, Schulman KA. Can we begin with the end in mind? End-of-life care preferences before chronic dialysis. *Arch Intern Med.* 2012;172(8):663-664.
52. Richman BD, Hall MA, Schulman KA. Overbilling and informed financial consent--a contractual solution. *N Engl J Med.* 2012;367(5):396-397.
53. Schulman KA. Creation of the Business School Alliance for Health Management. *Health Management, Policy and Innovation.* 2012;1(1):42-43.
54. Hirsch BR, Schulman KA. The economics of new drugs: Can we afford to make progress in a common disease? *Am Soc Clin Oncol Educ Book.* 2013:e126-e130.
55. Richman BD, Mitchell W, Schulman KA. Organizational innovation in health care. *Health Management, Policy and Innovation.* 2013;1(3):36-44.
56. Dolor RJ, Schulman KA. Financial incentives in primary care practice: the struggle to achieve population health goals. *JAMA.* 2013;310(10):1031-1032.
57. Glickman SW, Schulman KA. The mis-measure of physician performance. *Am J Manag Care.* 2013;19(10):782-785.
58. Huesch MD, Schulman KA, Douglas PS. Could accountable care organizations stifle physician learning and innovation? *Health Management, Policy and Innovation.* 2014;2(1):18-28.
59. Shah BR, Narayan M, Seth A, Schulman KA. Health City Cayman Islands and the globalization of health services delivery. *Am Heart J.* 2014;167(5):770-774.
60. Schulman KA, Richman BD, Herzlinger RE. Shifting toward defined contributions—predicting the effects. *N Engl J Med.* 2014;370(26):2462-2465.
61. Scales CD Jr, Schulman KA. Triggering management for quality improvement. *Health Serv Res.* 2014;49(5):1401-1406.
62. Schulman KA. Review: in adult outpatients, nurse-managed protocols improve hemoglobin A1c levels and blood pressure. *Ann Intern Med.* 2014;161(12):JC6.
63. Herzlinger R, Ramaswamy VK, Schulman KA. Bridging health care's innovation-education gap. *Harv Bus Rev.* 2014 Nov 11. <https://hbr.org/2014/11/bridging-health-cares-innovation-education-gap>.
64. Dinan MA, Schulman KA. Exploring variation in care: alternative conceptual models. *Ann Intern Med.* 2014;161(11):835-836.
65. Richman BD, Schulman KA. The Partners HealthCare Settlement and the Future of Health Care Organizations. *The Economists Voice.* 2014; 11(1):21-23. <https://doi.org/10.1515/ev-2014-0005>
66. Herzlinger R, Kumar V, Schulman K, Staman K. Innovation in health care education: a call to action. *Health Affairs Blog.* <http://healthaffairs.org/blog/2015/01/29/innovation-in-health-care-education-a-call-to-action/>.
67. Herzlinger RE, Richman BD, Schulman KA. Market-based solutions to antitrust threats--the rejection of the Partners settlement. *N Engl J Med.* 2015;372(14):1287-1289.
68. Andrews RM, Schulman KA. Enhancing the value of statewide hospital discharge data: improving clinical content and race-ethnicity data. *Health Serv Res.* 2015;50 Suppl 1:1265-1272.
69. Schulman KA, Balu S, Reed SD. Specialty pharmaceuticals for hyperlipidemia—impact on insurance premiums. *N Engl J Med.* 2015;373(17):1591-1593.
70. Wiske CP, Ogbechie OA, Schulman KA. Options to promote competitive generics markets in the United States. *JAMA.* 2015 Oct 29;1-2. doi: 10.1001/jama.2015.13498. [Epub ahead of print]
71. Haider Javed Warraich, M.D., and Kevin A. Schulman, M.D. Health Care Tax Inversions — Robbing Both Peter and Paul. *N Engl J Med* 374;11 March 17, 2016. 1005-1007
72. Schulman KA, Richman BD. Reassessing ACOs and Health Care Reform. *JAMA.* 2016 Aug 16;316(7):707-8.
73. Ticona, L, Schulman KA. Extreme Home Makeover — The Role of Intensive Home Health Care. *N Engl J Med* N Engl J Med 2016; 375:1707-1709
74. Poku M, Schulman KA. We Interviewed Industry Leaders About Their Industry and They're Worried. *Harvard Business Review.* December 14, 2016.
75. Barak Richman, Will Mitchell, Elena Vidal & Kevin Schulman. *Pharmaceutical M&A Activity: Effects on Prices, Innovation, and Competition.* 48 *Loy. U. Chi. L. J.* 787 (2020).
76. Herzlinger RA, Schulman KA. Diffusions of Global Innovations in Health Care: How to Make It Happen. *Health Management, Policy and Innovation.* Volume 2, Issue 1. <http://hmpi.org/2016/10/17/diffusion-of-global-innovations-in-health-care-how-to-make-it-happen/>. 2017.

77. Dabora MC, Turaga N, Schulman KA. Financing and Distribution of Pharmaceuticals in the United States. *JAMA*. 2017;318(1):21-22
78. Richman BD, Kitzman N, Milstein A, Schulman KA. Battling the chagemaster: a simple remedy to balance billing for unavoidable out-of-network care. *Am J Manag Care*. 2017 Apr 1;23(4):e100-e105.
79. Richman BD, Schulman KA. What We Can Still Learn From India's Private Heart Hospitals. *NEJM Catalyst*. May 25, 2017.
80. Schulman KA, Reed SD. The economics of PCSK-9 Inhibitors. *Research Letter. Am Heart J* 2017;1–2.
81. Richman BD, Schulman KA. A Novel Look At Antitrust Analysis In Health Insurance Markets. *Competition Policy International (CPI)*. July, 2017.
82. Mark D. Schulman KA. PCSK9 Inhibitors and the Choice Between Innovation, Efficiency, and Affordability. *JAMA* 318 (8). 2017: 711-712.
83. Moodley S, Vasudevan A, Schulman KA. Strengthening the Private Health Sector in Africa: the PharmAccess Solution. *Health Management, Policy, and Innovation*, 2017. Volume 2, Issue 2. www.HMPI.Org.
84. Sneha Shah Jain, Kevin A. Schulman. Transformation: Chief Innovation Officers And The Role Of Organizational Redesign. *HEALTH AFFAIRS BLOG*. SEPTEMBER 21, 2018 10.1377/hblog20180920.793517
85. Schulman KA, Richman BD. The Evolving Pharmaceutical Benefits Market. *JAMA*. 2018 Jun 12;319(22):2269-2270.
86. Kevin A. Schulman. 2018. The Supply-Side Effects of Moral Hazard on Drug Prices. *Health Management Policy and Innovation*, Volume 3, Issue 2. www.HMPI.Org.
87. Schulman KA, Richman BD. Toward an Effective Innovation Agenda. *N Engl J Med*. 2019 Jan 23. doi: 10.1056/NEJMp1812460
88. Schulman KA, Milstein A. The Implications of “Medicare for All” for US Hospitals. *JAMA*. 2019;321(17):1661-1662. doi:10.1001/jama.2019.3134
89. Oluwatobi A. Ogbechie-Godec, Clay P. Wiske, Kevin A. Schulman. 2019. Decomposing the Value of Health Insurance. *Health Management Policy and Innovation*, Volume 4, Issue 1.
90. Stacy Wood And Kevin Schulman. The Doctor-of-the-Future Is In: Patient Responses to Disruptive Health-Care Innovations. *JACR*, volume 4, number 3. Published online May 23, 2019. <http://dx.doi.org/10.1086/704106>
91. Schulman KA, Milstein A, Richman BD. Resolving Surprise Medical Bills, " *Health Affairs Blog*, July 10, 2019.DOI: 10.1377/hblog20190628.873493.
92. Chhabra K, Schukman KA, Richman BD. Are Air Ambulances Truly Flying Out Of Reach? Surprise-Billing Policy And The Airline Deregulation Ac *Health Affairs Blog*. October 17, 2019. <https://www.healthaffairs.org/doi/10.1377/hblog20191016.235396/full/>
93. Elizabeth Ndichu, Kevin Schulman. 2019. Identifying and Solving the Problem Of Poor Quality Drugs. *Health Management Policy and Innovation*, Volume 4, Issue 2.
94. Rohatgi N, Schulman KA, Ahuja N. Comanagement by Hospitalists: Why It Makes Clinical and Fiscal Sense. *Am J Med*. In Press.
95. Mullangi S, Ibrahim SA, Shah NH, Schulman KA. A Roadmap To Welcoming Health Care Innovation. *Health Affairs Blog*. November 26, 2019.10.1377/HBLOG20191119.155490
96. Gabriel M. Knight, Kevin Schulman, Arnold Milstein, Sheridan Rea, Giovanni Malloy, Usman Khaliq, David Scheinker. 2019. A Transparent, Mathematical Model to Evaluate Proposals for Healthcare Reform. *Health Management Policy and Innovation*, Volume 4, Issue 3.
97. Thomas S., Schulman KA. The unintended consequences of the 340B safety-net drug discount program. *HSR April 2020 (Early View: <http://dx.doi.org/10.1111/1475-6773.13281>*
98. Chen A. Schulman KA. Examining Pharmaceutical Benefits in the United States: A Framework. *JAMA Internal Medicine*. March, 2020.
99. Rohatgi N, Schulman K, Ahuja N. Co-Management by Hospitalists: Why it makes clinical and fiscal sense. *Am J Med*. 2020 Mar;133(3):257-258
100. Keesara S, Jonas A, Schulman K. Covid-19 and Health Care's Digital Revolution. *N Engl J Med*. 2020 Jun 4;382(23):e82. <https://www.nejm.org/doi/full/10.1056/NEJMp2005835>
101. Kevin Schulman and Will Mitchell. 2020. Strategic Implications of COVID-19 for Hospital Leaders: Four Teams. *Health Management, Policy and Innovation (HMPI.org)*, volume 5, Issue 1, special issue on COVID-19, March 2020.
102. Johannes O. Ferstad, Angela Gu, Raymond Y. Lee, Isha Thapa, Kevin Schulman, David Scheinker, and Andrew Y. Shin, 2020. Stanford Medicine-Engineering partnership launches an interactive model to facilitate COVID-19 response planning for hospital and regional leaders. *Health Management, Policy and Innovation (HMPI.org)*, volume 5, Issue 1, special issue on COVID-19, March 2020.
103. Lironn Kraler and Kevin Schulman, 2020. Google's “COVID-19 Community Mobility Reports Track Crowding Within Communities. *Health Management, Policy and Innovation (HMPI.org)*, volume 5, Issue 1, special issue on COVID-19, April 2020.

104. Kevin Schulman, Re-Opening Healthcare: Rebuilding Trust, Health Management, Policy, and Innovation (HMPI.org), volume 5, Issue 1, special issue on COVID-19, May 2020.
105. Mitchell, W, Schulman KA. How Task Division Can Build a Stronger Health System. *Rotman Management Magazine*. September 2020.
106. Teasdale B, Schulman KA. Are U.S. Hospitals Still "Recession-proof"? [published online ahead of print, 2020 Jul 1]. *N Engl J Med*. 2020;10.1056/NEJMp2018846. doi:10.1056/NEJMp2018846
107. Schulman KA. Challenges In Ensuring The Quality Of Generic Medicines. *Health Affairs*. 2020;39(9):1643-1646.
108. Mullangi S, Agrawal M, Schulman K. The COVID-19 Pandemic—An Opportune Time to Update Medical Licensing. *JAMA Intern Med*. 2021;181(3):307-308.
109. Kristan Staudenmayer, Courtenay Steward, Clare Purvis, Kevin Schulman. 2021. Innovations in Technology: Perspectives of Hospital CIOs. Health Management, Policy and Innovation (HMPI.org), Volume 5, Issue 3, Winter 2021.
110. Jiayin Xue, Kevin Schulman. 2021. A Narrative Review of Traditional Medicare and Medicare Advantage. Health Management, Policy and Innovation (HMPI.org), Volume 5, Issue 3, Winter 2021.
111. Wood S, Schulman K. Beyond Politics - Promoting Covid-19 Vaccination in the United States. *N Engl J Med*. 2021;384(7):e23.
112. Shah BR, Schulman KA. Do Not Let a Good Crisis Go to Waste: Health Care's Path Forward with Virtual Care. *NEJM Catalyst*. 2021.
113. Wood S, Schulman K. When Vaccine Apathy, Not Hesitancy, Drives Vaccine Disinterest. *JAMA*. 2021;325(24):2435-2436.
114. Martinez-Martin N, Luo Z, Kaushal A, Adeli E, Haque A, Kelly SS, Wieten S, Cho MK, Magnus D, Fei-Fei L, Schulman K, Milstein A. Ethical issues in using ambient intelligence in health-care settings. *Lancet Digit Health*. 2021 Feb;3(2):e115-e123.
115. Schulman K, Greicius, Richman B. Will CMS Find Aducanumab Reasonable and Necessary for Alzheimer Disease After FDA Approval? *JAMA*. 2021;326(5):383-384.
116. Richman B, Hall M, Schulman K. The No Surprises Act and Informed Financial Consent. *N Engl J Med*. 2021;385(15):1348-1351.
117. Scheinker D, Milstein A, Schulman K. The Dysfunctional Health Benefits Market and Implications for US Employers and Employees. *JAMA*. 2022;327(4):323-324.
118. Lee P, Abernethy A, Shaywitz D, Gundlapalli AV, Weinstein J, Doraiswamy PM, Schulman KA, and Madhavan S. Digital Health COVID-19 Impact Assessment: Lessons Learned and Compelling Needs. *NAM Perspectives*. 2022;2022:10.31478/202201c.
119. Chandran M, Schulman KA. Racial disparities in healthcare and health. *Health Serv Res*. 2022;57(2):218-222.
120. Teasdale B, Light D, Schulman KA. Price and Quality in the Generic Pharmaceutical Market. *Circulation*. 2022;145(16):1185-1187.
121. Bowling D, Richman BD, Schulman KA. The Rise and Potential of Physician Unions. *JAMA*. 2022;328(7):617-618.
122. Richman BD and Schulman KA. Are Patient Satisfaction Instruments Harming Both Patients and Physicians? *JAMA*. 2022;328(22):2209-2210.
123. Bowling III DS, Richamn BD, and Schulman KA. Collective bargaining: Physician unions and their implications for health care. *Health Services Research*. 2022;57(6):1214-1217.
124. Dabestani A, Grossman S, Nathan JP, Bazil CW, Costantino RC, Fox ER, Graedon J, Gray JV, Lever HM, Light DY, Makuch R, Schulman KA, White CM, and Yu K. A data-driven quality-score system for rating drug products and its implications for the health care industry. *Journal of the American Pharmacists Association*. 2022.
125. Kumar W, Schulman KA. An Intergenerational Evaluation of Medicare. *The American Journal of Medicine*. 2022.
126. Schulman KA, Richman BD. Informed Consent as a Means of Acknowledging and Avoiding Financial Toxicity as Iatrogenic Harm. *AMA J Ethics*. 2022;24(11):E1063-1068.
127. Richman BD, Schulman KA. Restoring Physician Authority in an Era of Hospital Dominance. *JAMA*. 2022 Dec 27;328(24):2400-2401.
128. Herzlinger R, Richman BD, Schulman KA. Maintaining Health Care Innovations After the Pandemic. *JAMA Health Forum*. 2023;4(2):e225404.
129. Kumar W, Schulman KA. Medicare Overpayment for Outpatient Medication - A Supreme Court Ruling in Context. *N Engl J Med*. 2023 Jan 19;388(3):196-198.
130. Schulman KA, Narayan, A. Employer-Based Health Insurance and Employee Compensation. *JAMA Health Forum*. 2023;4(3):e225486.

MONOGRAPHS:

1. Colson RS, Rubenstein LE, Hadley J, Schulman K. Evaluation of Payment for Trauma Physicians: Report to the Physician Payment Review Commission. Washington, DC: Georgetown University Medical Center; 1994.

2. Brown M, Glick HA, Harrell F, et al. Integrating economic analysis into cancer clinical trials: the National Cancer Institute-American Society of Clinical Oncology economics workbook. *J Natl Cancer Inst Monogr.* 1998;(24):1-28.
3. Schulman KA (Chair). Barriers and Opportunities to Facilitate CER Innovation Pace & Progress, IOM Clinical Effectiveness Research Innovation Collaborative, 2009; http://www.iom.edu/~media/CER-IC%20FieldAdvancement_web.ashx
4. Kramer JM, Schulman KA. Transforming the economics of clinical trials. Institute of Medicine Forum on Drug Discovery, Development, and Translation; 2012. <http://www.iom.edu/~media/Files/Perspectives-Files/2012/Discussion-Papers/HSP-Drugs-Transforming-the-Economics.pdf>
5. National Academies of Sciences, Engineering, and Medicine. 2018. *Health-Care Utilization as a Proxy in Disability Determination.* Washington, DC: The National Academies Press.

BOOK CHAPTERS:

1. Schulman KA. The use of evaluation in pharmaceutical reimbursement decisions in the United States. In: Schubert F, editor. *Proceedings: The Canadian Collaborative Workshop on Pharmacoeconomics.* Princeton, NJ: Excerpta Medica; 1993: 19-23.
2. Eisenberg JM, Schulman KA, Glick H, Koffer H. Pharmacoeconomics: economic evaluation of pharmaceuticals. In: Strom B, editor. *Pharmacoepidemiology.* New York: John Wiley & Sons; 1994: 462-493.
3. Schulman KA. Pharmacoeconomics and clinical practice: a physician's view. In: Bootman JL, Townsend RJ, McGhan WF, editors. *Principles of Pharmacoeconomics.* Cincinnati, Ohio: Harvey Whitney Books; 1996: 252-270.
4. Schulman KA, Glick HA, Detsky AS. Introduction to decision analysis. In: Yusuf S, Cairns JA, Camm AJ, Fallen EL, Gersh BJ, editors. *Evidence Based Cardiology.* London: BMJ Books; 1998: 92-111.
5. Schulman KA, Boyko WL. Evaluating cancer costs in NCI trials. In: Bennett CL, Pajean TS, editors. *Cancer Policy: Research and Methods.* Boston: Kluwer Academic Publishers; 1998.
6. Schulman KA. Costs and outcomes. In: Stein JH, Eisenberg JM, editors. *Internal Medicine.* St. Louis: Mosby; 1998.
7. Gonzales J, Schulman K. Pharmacoeconomics. In: Richards SS, Musser WS, Gershon S, editors. *Maintenance Pharmacotherapies for Neuropsychiatric Disorders.* Philadelphia, Penn: Brunner/Mazel; 1999: 29-54.
8. Schulman KA, Glick H, Polsky D, Eisenberg JM. Pharmacoeconomics: economic evaluation of pharmaceuticals. In: Strom BL, editor. *Pharmacoepidemiology.* 2nd ed. Chichester, UK: John Wiley & Sons; 2000: 573-601.
9. Schulman KA, Glick HA, Polsky D, John KR, Eisenberg JM. Pharmacoeconomics. In: van Boxtel CJ, Santoso B, Edwards IR, editors. *Drug Benefits and Risks: International Textbook on Clinical Pharmacology.* Chichester, UK: John Wiley & Sons; 2001: 37-53.
10. Glick HA, Polsky DP, Schulman KA. Trial-based economic evaluations: an overview of design and analysis. In: Drummond M, McGuire A, editors. *Economic Evaluation in Health Care: Merging Theory With Practice.* Oxford, UK: Oxford University Press; 2001: 113-140.
11. Schulman KA, Seils DM. Clinical economics. In: Max MB, Lynn J, eds. *Interactive Textbook on Clinical Symptom Research* [online book]. Bethesda, Md: National Institute of Dental and Craniofacial Research; 2002. Available at <http://www.symptomresearch.org/>.
12. Schulman KA, Glick HA, Detsky AS. Introduction to decision analysis. In: Yusuf S et al, editors. *Evidence Based Cardiology.* 2nd ed. London: BMJ Books; 2003: 56-70.
13. Kaul P, Schulman KA. Costs of care and cost-effectiveness analysis: primary prevention of coronary artery disease. In: Weintraub WS, editor. *Cardiovascular Health Care Economics.* Totowa, NJ: The Humana Press, Inc; 2003: 157-172.
14. Schulman KA, Glick HA, Polsky D. Pharmacoeconomics: economic evaluation of pharmaceuticals. In: Strom BL, editor. *Pharmacoepidemiology.* 4th ed. Sussex, UK: John Wiley & Sons; 2005: 629-652.
15. Schulman KA. Pharmacoeconomics and clinical practice: a physician's view. In: Bootman JL, Townsend RJ, McGhan WF, editors. *Principles of Pharmacoeconomics.* 3rd ed. Cincinnati, Ohio: Harvey Whitney Books; 2005: 337-362.
16. Schulman KA, Glick HA, Polsky D. Pharmacoeconomics: economic evaluation of pharmaceuticals. In: Strom BL, editor. *Textbook of Pharmacoepidemiology.* Chichester, West Sussex, UK; Hoboken, NJ: John Wiley & Sons; 2007: 333-343.
17. Schulman KA. Understanding types of innovation and implications for policy. In: *Diffusion and Use of Genomic Innovations in Health and Medicine: Workshop Summary.* Washington, DC: National Academies Press; 2008.
18. Whellan DJ, Yager JEE, Friedman JY, Schulman KA. Economics and quality of life in the advanced heart failure patient. In: O'Connor CM, Stough WG, Gheorghide M, Adams KF Jr, editors. *Managing Acute Decompensated Heart Failure.* Oxon, UK: Taylor & Francis; 2005.
19. Hall MA, Schulman KA. Property, privacy and the pursuit of integrated medical records. In: Elhauge E, editor. *The Fragmentation of U.S. Health Care: Causes and Solutions.* New York, NY: Oxford University Press; 2010.

20. Schulman KA, Glick HA, Polsky D, Reed SD. Pharmacoeconomics: economic evaluation of pharmaceuticals. In: Strom BL, Kimmel SE, Hennessy S, editors. *Pharmacoepidemiology*. 5th ed. West Sussex, UK: John Wiley & Sons; 2012: 678-708.
21. Wong YW, Schulman KA. Ethics of clinical research: an overview and emerging issues. In: Lopes RD, Harrington RA, editors. *Understanding Clinical Research*. New York, NY: McGraw-Hill Education; 2013.
22. Schulman KA. The Economics of Precision Medicine. In: *Insights and Innovation in Neuromuscular Medicine*. Rochester: AANEM, 2016.
23. Schulman KA. Pharmacoeconomics: the economics of pharmaceuticals (Chapter 34). In: Strom BL, editor. *Pharmacoepidemiology*. 6th ed. Chichester, UK: John Wiley & Sons; 2019.
24. Schulman, KA. Pharmacoeconomics: Economic Evaluation of Pharmaceuticals (Chapter 18). In: Strom BL, Kimmel SE, Hennessy S, editors. *Pharmacoepidemiology*. 13th ed. Chichester, UK: John Wiley & Sons; 2021.

BOOK REVIEWS, LETTERS, AND OTHER:

1. Merkel PA, Schulman KA. Ranitidine to prevent recurrence of duodenal ulcer [letter]. *N Engl J Med*. 1989;321:835-836.
2. Schulman K. Screening for colorectal cancer [letter]. *Ann Intern Med*. 1990;113:333-334.
3. Schulman KA. Book Review. The health care cost containment crisis: fears, opinions, and facts [book review]. *N Engl J Med*. 1990;322:139.
4. Hennessy S, Fogarty PM, Schulman KA, Mignott H. Gastric obstruction with extended-release tablets [letter]. *DICP*. 1991;25:678-679.
5. Schulman KA. Integrating pharmacoeconomic evaluations into phase III clinical trials: the multidisciplinary team. Proceedings of the 1992 Project Management Institute Annual Meeting: Managing Our Future. Drexel Hill: Project Management Institute; 1992: 191-195.
6. Schulman KA. Book Review. Health insurance and public policy [book review]. *Governance*. 1994;7:107-108.
7. Colson RS, Rubenstein LE, Hadley J, Schulman K. Evaluation of Payment for Trauma Physicians: Report to the Physician Payment Review Commission. Washington, DC: Georgetown University Medical Center; 1994.
8. Schulman K. Cost-effective analyses [letter]. *N Engl J Med*. 1995;332:124.
9. Schulman KA. The Politics of Health Care Reform: Lessons From the Past, Prospects for the Future [book review]. *N Engl J Med*. 1995;332:195.
10. Schulman KA. Coronary angioplasty had a lower 5-year cost than bypass surgery only in patients with 2-vessel coronary disease. *ACP J Club*. 1997;127:25.
11. Drummond M, Schulman K, Weinstein M, Jonsson B. From efficacy to cost-effectiveness. *OHE Briefing*. 1998;37:1-12.
12. Schulman KA, Berlin JA, Escarce JJ. Race, sex, and physicians' referrals for cardiac catheterization [letter]. *N Engl J Med*. 1999;341:285-287.
13. Weinfurt KP, Rathore SS, Schulman KA. ACI-TIPI clinical trial: acute cardiac ischemia time-insensitive predictive instrument [letter]. *Ann Intern Med*. 1999;131:476-477.
14. Cai L, Weinfurt KP. An SAS/IML module for Johnson-Neyman procedure. *Appl Psych Meas*. 1999;23:308.
15. Berger AK, Schulman KA, Gersh BJ. Primary angioplasty vs thrombolysis in the elderly [letter]. *JAMA*. 2000;283:601.
16. Sulmasy DP, Freeman VG, Schulman KA. The factuality of health records [letter]. *Arch Intern Med*. 2000;160:2224-2225.
17. Gonzales J, Kaufman J, Schulman K. Pharmacy Benefits Managers' Drug Formulary Recommendations: Implications for Older Americans. 2000-20. Washington, DC: Association of American Retired Persons; 2000.
18. Schulman KA, Seils DM, Califf RM. Clinical-trial agreements between medical schools and industry [letter]. *N Engl J Med*. 2003;348:476-478.
19. Meropol NJ, Weinfurt KP, Schulman KA. In reply—Phase I trials: physician and patient perceptions [letter]. *J Clin Oncol*. 2003;21:4659-4660.
20. Meropol NJ, Castel LD, Schulman KA, Weinfurt KP. In reply—Physician-patient communication in phase I cancer trials [letter]. *J Clin Oncol*. 2004;22:572-573.
21. Reed SD, Radeva JI, Schulman KA. Re: Cost-effectiveness of zoledronic acid for the prevention of skeletal complications in patients with prostate cancer [letter]. *J Urol*. 2004;172(5 Part 1):2082.
22. Schulman KA. To cut health costs, try going to the mall. *News and Observer* (Raleigh, NC). June 24, 2005: A17.
23. Schulman KA. Medicare and cost-effectiveness analysis [letter]. *N Engl J Med*. 2006;354:207.
24. Schulman KA. Free to buy vaccines, for everyone's good. *News and Observer* (Raleigh, NC). August 29, 2006: A9.
25. Schulman KA. Let's bring drug and medical device safety into the 21st century. *Baltimore Sun*. February 19, 2007: A9.

26. Glickman SW, Rasiel EB, Hamilton CD, Schulman KA. Developing drugs for tuberculosis [letter]. *Science*. 2007;315:1076-1077.
27. Schulman KA. Kid tested, government approved? *Pharmaceutical Executive*. 2007;27(5):78-86.
28. Schulman KA. Prescribing by Numbers: Drugs and the Definition of Disease [book review]. *N Engl J Med*. 2007;357:516.
29. Meropol NJ, Schulman KA. In reply--Health economics in the *Journal of Clinical Oncology* and an evaluation of the indirect costs and benefits associated with adjuvant trastuzumab [letter]. *J Clin Oncol*. 2007;25:3383.
30. Glickman SW, Schulman KA, Cairns CB. Primary PCI in ST-segment elevation myocardial infarction [letter]. *N Engl J Med*. 2008;358:1751-1752.
31. Richman BD, Mitchell W, Schulman KA. Searching for industry modernization. *Modern Physician*. February 9, 2009. Available at: www.modernhealthcare.com/article/20090209/MODERNPHYSICIAN/302019971.
32. Glickman SW, McHutchison JG, Peterson ED, Cairns CB, Harrington RA, Califf RM, Schulman KA. Ethical and scientific implications of the globalization of clinical research. *N Engl J Med*. 2009;360(8):816-823.
33. Massie BM, Ammon SE, Collins JF, et al. Response to letter regarding article, 'Randomized Trial of Warfarin, Aspirin, and Clopidogrel in Patients With Chronic Heart Failure: The Warfarin and Antiplatelet Therapy in Chronic Heart Failure (WATCH) Trial'. *Circulation*. 2009;120:e165.
34. Schulman KA, Petryna, Adriana. 2009. When experiments travel: Clinical trials and the global search for human subjects. Princeton University Press, ISBN 978-0-691-12657-9. 270 pp. *J Bioeth Inq*. 2011;8(1):95-96.
35. Richman BD, Schulman KA. Privatizing Medicare won't slow rising costs. *Des Moines Register*. December 22, 2011.
36. Curtis LH, Hammill BG, Schulman KA, Cousins SW. Risks of adverse events with therapies for age-related macular degeneration: a response--reply. *Arch Ophthalmol*. 2012;130(1):125-126.
37. Curtis LH, Hammill BG, Schulman KA, Cousins SW. System and ocular risks associated with therapies for macular degeneration: clarification vs confusion--reply. *Arch Ophthalmol*. 2012;130(6):806-807.
38. Dinan MA, Carpenter WR, Patz E Jr, et al. Reply to M.S. Hofman et al. *J Clin Oncol*. 2013;31(6):820.
39. Richman B, Schulman K. Mergers between health insurers and pharmacy benefit managers could be bad for your health. *Stat News*. June 1, 2018. <https://www.statnews.com/2018/06/01/mergers-health-insurers-pharmacy-benefit-managers/>
40. Schulman KA, Richman BD, Milstein A. Stop outrageous air ambulance bills by disclosing the transport price. *Stat News*. January 8, 2019. <https://www.statnews.com/2019/01/08/stop-outrageous-air-ambulance-bills/>
41. Schulman KA. Opinion: 'Medicare for all' won't fix soaring healthcare costs. *Los Angeles Times*. NOV. 15, 2019

CASE STUDIES

Published Case Studies:

1. Herzlinger RE, Schulman KA, Dijols F. Improving Melanoma Screening: MELA Sciences. Harvard Business School Case 315-042; December 2014.
2. Herzlinger RE, Schulman KA, Upke FF. MedCath Corporation (C). Harvard Business School Supplement 315-018; February 2015.
3. Schulman KA. Alnylam: Building a Biotechnology Powerhouse. Harvard Business School Case 316-113. 2016.
4. Schulman KA, Shaw MN. Innovation at Zimmer Spine. Harvard Business School Case. 316-106; 2016.
5. Schulman KA, Balu S. Health Catalyst. Harvard Business School Case 316-098; 2016.
6. Schulman KA. Savannah Informatics. Harvard Business School Case 316-111. 2016.
7. Schulman KA, Little L, Mullangi S, Schleicher S. AbbVie. Harvard Business School Case 316-095. 2016.
8. Schulman, KA, Gresh J. Product Portfolio Management at Genentech. Harvard Business School Case 317-012. July, 2016.
9. Schulman KA, Muhammad Pate, Carbell G. Health Systems in the Developing World. Harvard Business School Background Note 316-112. 2016.
10. Schulman KA, Rasiel E, Balu S. Blue D Pharmaceuticals. Harvard Business School Case 317-014. 2016.
11. Schulman KA, Dabora M. Nutrition Science Initiative: Are All Calories Created Equal? Harvard Business School Case. 317-033. 2017.
12. Schulman KA, Strickland M. Kada Orthopedics: A Bone of Contention. Harvard Business School Case. N9-317-091. 2017
13. Schulman, KA, Kontchou Nelly-Ange. Shisong Cardiac Center: Kumbo, Cameroon. Harvard Business School Case. 317-085. 2017.
14. Schulman KA, Moodley S, Vasudevan A. PharmAccess and the M-TIBA Platform: Leveraging Mobile Technology in the Developing World. Harvard Business School Case. 317-103; 2017.
15. Schulman KA, Xiao Yu, Hwang A. China Hospital, Inc. Harvard Business School Case. 317-104. 2017.

16. Schulman KA, Cheek C (with Bo L). From mHealth Hackathon to Reality: Diabetes Care. Harvard Business School Case. 317-105. 2017.
17. Schulman KA, Leya G, Beveridge C. Obesity Management at Kaiser Permanente: A New Mindset For Healthcare Delivery? 317-106. 2017.
18. Schulman KA, Vilà Calopa C, Taggio F, Rosenmöller M, Apple Health Records. IESE Business School Case P-1777 2019.
19. Schulman KA, Wood S. Amazon Alexa and Patient Engagement. Stanford Graduate School of Business Case SM 328. 11/04/ 2019.
20. Schulman KA, Yu N. Devoted Health and the Medical Advantage Market. Stanford Graduate School of Business Case SM334. 05/14/20.
21. Schulman KA, Ho K. Verily Life Sciences and Machine Learning. Stanford Graduate School of Business Case SM 335. 07/28/2020.
22. Cindie Wu Gaspar, Kevin Schulman, David Scheinker University Hospital: The Joint EP/CATH Lab Decision. Stanford Graduate School of Business OIT120. 2020
23. Schulman KA, Thiagaraj, A. Operation Warp Speed and the COVID-19 Vaccine. Stanford Graduate School of Business Case SM 345. 04/28/2021.
24. Schulman KA, Kilonzi J, Muthee J. Savannah Informatics: Innovating During the COVID-19 Pandemic. Stanford Graduate School of Business Case SM 348. 07/12/2021.
25. Schulman KA, Surendra Jain, A, Naude Bremer Du Plessis, P. The Teladoc and Livongo Merger. Stanford Graduate School of Business Case SM 349. 07/14/2021.
26. Kevin Schulman, Summer Hu, Jiayin Xue, Susan Q. The Himalayan Cataract Project. Stanford Graduate School of Business Case A 237. 2021.
27. Kevin Schulman, Abishek Thiagaraj. Operation Warp Speed and the COVID-19 Vaccine. Stanford Graduate School of Business Case SM 345. 2021.
28. Kevin Schulman, Morgan Kiss. Can Fintech Fix Healthcare Payment Processing? Stanford Graduate School of Business Case SM 356. 2022.
29. Kevin Schulman, Aditya Narayan. ACCESS Health India and the Ayushman Bharat Digital Mission. Stanford Graduate School of Business Case SM 359. 2022.

COMPUTER PROGRAMS:

1. Schulman KA, Drummond M, Bootman JL, Rice D, Torrance G, Steinberg E, Sloan F, eds. *Health Economics* [computer program]. Version 1. East Hanover, NJ: Sandoz Pharmaceuticals Corporation; 1996.

WEBCOURSES:

1. Herzlinger RE, Seltzer MI, Schulman KA. Innovating in Health Care. HarvardX. (2014) <https://www.edx.org/course/innovating-health-care-harvardx-bus5-1x#.VPi9G1PF81o>
2. Business of Healthcare Academy, Health Policy 1. 2014. <http://www.medscape.org/marketplace/bhcademy>
3. Business of Healthcare Academy, Health Policy 2. 2014. <http://www.medscape.org/marketplace/bhcademy>

PATENTS:

- 9,305,059 Methods, systems, and computer readable media for dynamically selecting questions to be presented in a survey. Issued April 5, 2016. Assigned to the University of North Carolina.
- PCT/US2019/0172566A1 Systems And Methods For Mobile Patient-Centric Electronic Health Record Data. Provision Filed April 15, 2016. Full Application filed April 13, 2017. Published on June 6, 2019. Assigned to Duke University.