

University of California San Francisco

CURRICULUM VITAE

Charles Seth Landefeld, MD

Positions: Professor, Step 5
Department of Medicine
School of Medicine

Professor, Department of Epidemiology and Biostatistics (secondary)

Chief, Division of Geriatrics, Department of Medicine
Director, UCSF/Mt. Zion Center on Aging
ACOS/Geriatrics and Extended Care, San Francisco VAMC

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Education

1970-74	Harvard University	B.A.	History and Science (<i>magna cum laude</i>)
1976-78	Oxford University	B.A.	Philosophy and Theology
1974-79	Yale University	M.D.	

Postdoctoral Training

1979-80	UCSF	Intern	Medicine
1980-82	UCSF	Resident	Medicine
1982-83	UCSF	Chief Resident	Medicine
1983-85	Harvard University	Fellow	General Internal Medicine
1990-91	Weatherhead School of Management, Case Western Reserve University		Academic Management (Course for Division Chiefs)
2007	Academic Alliance for Internal Medicine		Executive Leadership Summer Course

Licensure and Certification

1980	National Board of Medical Examiners, No. 201390
1980	California, No. G 43841
1980	Drug Enforcement Agency, No. AL1317937
1982	American Board of Internal Medicine, No. 85557
1983	Massachusetts, No. 51130 (inactive)
1985	Ohio, No. 52452
1990	Certificate of Added Qualification in Geriatric Medicine
1998	California No G 43841 (reactivated)

Employment**Principal Positions Held***Faculty Appointments*

	<i>Case Western Reserve University</i>
1985-1991	Assistant Professor of Medicine, Case Western Reserve University
1991-1995	Associate Professor of Medicine, Case Western Reserve University
1992-1997	Associate Professor of Epidemiology and Biostatistics
1995-1997	Professor of Medicine, Case Western Reserve University
	<i>University of California San Francisco & San Francisco VAMC</i>
1997-present	Professor of Medicine, and of Epidemiology and Biostatistics, University of California San Francisco

Hospital Appointments

1985-1997	Visiting Staff, University Hospitals of Cleveland
1990-1997	Medical Co-Director, Unit for the Acute Care of Elders
1991-1997	Staff Physician, Cleveland VAMC

1997-present Staff Physician, San Francisco VAMC
 1998-present Staff Physician, Moffit Long Hospital

Administrative Appointments

Case Western Reserve University
 1987-1997 Director, Fellowship in General Internal Medicine
 1987-1990 Director, Clinical Analysis Project
 1988-1993 Director, Clinical Epidemiology Section, Division of General Internal Medicine
 1991-1997 Director, Program in Health Care Research, Department of Medicine
 1991-1993 Co-Chief, Division of General Internal Medicine
 1993-1994 Acting Chief, Division of General Internal Medicine
 1994-1997 Chief, Division of General Internal Medicine and Health Care Research
University of California San Francisco & San Francisco VAMC
 1997-present Chief, Division of Geriatrics, Department of Medicine
 1997-present Director, UCSF-Mt. Zion Center on Aging
 1997-1998 Acting Director, Nursing Home Care Unit, SFVAMC
 1998-1999 Director, Geriatrics Fellowship Program
 1999-present Co-Director, Geriatrics Fellowship Program
 1998-present Director, VA National Quality Scholars Fellowship Program

Ancillary Positions Held

1995-1997 Senior Faculty Associate, University Center on Aging and Health, Case Western Reserve University

Clinical Training and Experience

1979-1982 Medical Resident, PGY1-3, University of California San Francisco
 1982-1983 Chief Medical Resident, University of California San Francisco
 1983-1985 Henry J. Kaiser Family Foundation Fellow in General Internal Medicine, Harvard Medical School and Brigham and Women's Hospital

Honors and Awards

1971-1974 Harvard University Scholarship
 1973 History of Science Departmental Prize, Harvard University
 1974 B.A. magna cum laude
 1976-1978 Rhodes Scholarship
 1985-1987 Keck Research Scholar
 1990-1993 American College of Physicians George Morris Piersol Teaching and Research Scholar
 1990 Fellow, American College of Physicians
 1991-1992 President, Midwest Society of General Internal Medicine
 1992 Henry Christian Award for Excellence in Research (American Federation for Clinical Research)
 1992 Society of General Internal Medicine Workshop Letter of Recognition
 1993-1997 Senior Research Associate, HSR&D Service, Department of Veterans Affairs

1997	Elected, American Society for Clinical Investigation
1999-2000	President, Society of General Internal Medicine
2003	Harry Weinstein Award, Program for Elders in the Central City
2005	Elected, Association of American Physicians

Keywords/Areas of Interest

Geriatrics, health services research, effectiveness research, hospital care, pharmacotherapy, health care improvement

Professional Activities

Clinical Activities

Attending, Medical Service, SFVAMC	2-4 weeks/year
Attending, Geriatrics Consult Service, SFVAMC	1 month/year
Physician, Nursing Home, SFVAMC	occasional
Physician, Geriatrics Ambulatory Practice, UCSF	occasional

Summary of Clinical Activities

I attend annually on the Medical Service and the Geriatrics Consultation Service at SFVAMC. I am also the personal physician for a small number of older patients at UCSF and SFVAMC.

Membership in Professional Organizations

1980-present	Hastings Institute
1984-present	Society of General Internal Medicine
1985-2000	American Federation for Clinical Research
1986-present	American College of Physicians (Fellow)
1988-present	American Geriatrics Society
1992-1998	Central Society for Clinical Research
1995-present	Association for Health Services Research
1996-present	Gerontological Society of America
1997-present	American Society for Clinical Investigation
1998-present	Association of Directors for Geriatric Academics Program
2005-present	Association of American Physicians

Invited Papers, Lectures, and Visiting Professorships

International

- Visiting Professor, McGill University, Montreal, Quebec, March 17, 1993
- NIA Invitational Conference on Geriatrics Research: "Predictors of Positive Outcomes in Older Patients," Venice, December 1997.
- General Internal Medicine-Geriatrics Education Retreat: "The State of Research in General Internal Medicine," Jasper, Alberta, August 10, 1999.

- Academic Alliance of Internal Medicine-Geriatrics Education Retreat: “Building a Program in Academic Geriatrics at UCSF,” Jasper, Alberta, August 7, 2000.
- Summary Geriatrics Education Retreat: “Geriatrics and General Internal Medicine: The Warf and Woof in the Tapestry of Medicine,” Jasper, Alberta, August 8, 2001.
- Inaugural Scientific Meeting of the European Union Geriatric Medical Society: “ACE: Benefits & Challenges,” Paris, August 31, 2001.
- Canadian Geriatrics Society Annual Meeting: “Hospital Care of Older Persons,” Vancouver, BC, April 21, 2006.

National

- Lichtman Oration, Miriam Hospital and Brown University, Providence, RI, March 21, 1991 (with Mary-Margaret Chren, MD)
- Visiting Professor, Henry Ford Hospital, Detroit, MI, October 3, 1991
- Visiting Professor, Akron City Hospital, Akron, OH, August 26, 1992
- Morris W. Stroud Lectureship in Gerontology and Aging, Columbia University College of Physicians and Surgeons, January 10, 1994.
- Visiting Professor, Columbia-Presbyterian Hospital, May 23, 1994.
- The Benjamin Lieberman Memorial Lecture, UCSF-Mount Zion Center on Aging, UCSF: “Caring for an Aging Population: New Directions for Geriatric Medicine in the 21st Century,” San Francisco, October 8, 1997.
- NIA Conference on Prevention and Outcome Improvement: “Improving Outcomes in Elders with Complex Chronic Illness,” Bethesda, MD, November 1998.
- External Reviewer of the Department of General Internal Medicine, Department of Medicine, University of Colorado, Denver. March 15-16, 1999.
- Consultant to the Dean, Medical College of Wisconsin-Milwaukee, MN. July 7-8, 1999.
- Visiting Professor, University of Iowa College of Medicine, September 21, 2000.
- RWJ Generalist Physician Faculty Scholars Program Annual Meeting: “Industry Support for Academic Research: Cooperative Innovation or Conflict of Interest?” LaCosta, CA, December 6, 2000. (with Robert Califf, MD and David Blumenthal, MD)
- National Association of Inpatient Physicians 4th Annual Meeting: “Quality Issues in Geriatrics,” Atlanta, Georgia, March 28, 2001.
- Training General Internists in Geriatrics: Planning for Sustained Improvement. The First National Conference. Conference Director. Baltimore, MD, July 9-10, 2001.
- Training General Internists in Geriatrics: Planning for Sustained Improvement. The Second National Conference. Conference Director. Baltimore, MD, October 22-24, 2001.
- Department of Veterans Affairs Health Services Research and Development Service, Career Development Awardees Annual Meeting, “The Mentor-Awardee Relationship: What to Look for in a Good One, and How to Maintain It,” Washington, DC, February 13, 2002.
- Society of General Internal Medicine Annual Meeting, “Meet the Professor: Striving for Excellence in the Care of Older Adults: What Can General Medicine and Geriatrics Bring to the Table?” Atlanta, Georgia, May 4, 2002.
- American Geriatrics Society Annual Meeting, “Doctors, Drug Companies and Gifts: What is a doctor to do?” Washington, DC, May 10, 2002.

- Eighth Biennial Regenstrief Conference (Determinants of Successful Aging: Developing an Integrated Research Agenda for the 21st Century): “Improving the Quality of Care Across the Continuum of Care: Beyond ACE and GEM, Marshall, Indiana, October 1, 2002.
- Association of Directors of Geriatric Academic Programs Leadership Retreat: “Faculty Recruitment,” Scottsdale, Arizona, January 10-12, 2003.
- Society of General Internal Medicine Annual Meeting, “Meet the Professor: Making Waves and Getting Ahead: Ways To Do Both in General Internal Medicine,” Vancouver, BC, May 2, 2003.
- American Geriatrics Society Annual Meeting, Section for Surgical and Related Medical Specialties, “Surgical Judgments: A Geriatrician's Perspective,” Baltimore, MD, May 17, 2003.
- American Geriatrics Society Annual Meeting, Doctors and Drug Companies: Ethics and Evidence, Baltimore, MD, May 16, 2003.
- American Geriatrics Society Annual Meeting, “Designing an Incremental Strategy to Facilitate Long-Term Collaborative Relationships between Geriatrics and GIM,” Baltimore, MD, May 17, 2003.
- John A. Hartford Foundation Board of Trustees, “Increasing Education and Research Capacity to Improve Care of Older Americans,” New York City, June 6, 2003.
- Vanderbilt University/Nashville VAMC Conference on Care of Older Adults, Keynote Speaker, Nashville, TN, November 7, 2003.
- Baystate Medical Center, “Improving Care of Hospitalized Older Adults,” Springfield, MA, February 13, 2004.
- University of Nebraska, Department of Medicine: Robert C. Rosenlof, MD Visiting Professor, February 19-20, 2004.
- American Academy of Neurology, “Doctors and Drug Companies: Ethics and Evidence,” The A.B. Baker Education Colloquium on The Role of the Pharmaceutical Industry in Neurologic Education, San Francisco, CA, April 26, 2004.
- Society of General Internal Medicine Annual Meeting, “Career Development: How to Gain Support from Your Division Chief and Department Chair,” Symposium for Regional SGIM Officers, Chicago, IL, May 13, 2004.
- Society of General Internal Medicine Annual Meeting, “Meet the Professor: Looking for Your First Job: Strategies for Success,” Chicago, IL, May 14, 2004.
- American Geriatrics Society Annual Meeting, “Assessment of the Hospitalized Patient,” Core Curriculum in Geriatrics, Las Vegas, NV, May 18, 2004.
- American Geriatrics Society Annual Meeting, “Geriatricians and Gifts: Where Do We Draw the Line?,” Symposium on Geriatricians and the Pharmaceutical Industry: Models of Interaction, Las Vegas, NV, May 19, 2004.
- Society of General Internal Medicine and the John A. Hartford Foundation, Chair, National Meeting on Increasing Education and Research Capacity in General Internal Medicine to Improve Care for Older Americans, Dallas, TX, November 29-December 1, 2004.
- College of Physicians and Surgeons and New York Presbyterian Hospital, New York, NY: Consultant to the Department of Medicine, January 20-21, 2005.
- Commonwealth Fund and American Board of Internal Medicine: Roundtable, “Stepping Up to the Plate: Organized Physician Leadership and the Quality Agenda,” Philadelphia, PA, January 28, 2005.
- University of Texas Medical Branch, Galveston: Visiting Professor and Lefebber Lecture, “Hospital Care of Older Persons: Is It Safe and Effective?” March 8, 2005.

- American College of Physicians Annual Meeting: “Meet the Professor – Geriatric Hospitalists: What Happens to Older Patients in the Hospital? What Can We Do?” April 15-16, 2005.
- Commonwealth Fund and American Board of Internal Medicine: Roundtable, “Stepping Up to the Plate: Organized Physician Leadership and the Quality Agenda,” Philadelphia, PA, October 14, 2005.
- Northwestern University: Visiting Professor and Medical Grand Rounds, “Hospital Care of Older Persons,” Chicago, IL, November 29, 2005.
- University of Louisville: Visiting Professor and Department of Family Medicine and Geriatrics Grand Rounds, “Hospital Care of Older Persons,” Louisville, KY, February 10, 2006.
- VA Health Services Research and Development Annual Meeting: Moderator and Discussant, “Balancing Research and Translation,” Arlington, VA, February 15, 2006.
- American College of Rheumatology Program Directors Annual Meeting: “Pharmaceutical Marketing and Doctors’ Decisions,” Atlanta, GA, March 19, 2006.
- University of Alabama: Department of Medicine Grand Rounds, “Hospital Care of Older Persons: Is It Safe and Effective?” Birmingham, AL, February 28, 2007.

Local

1983

- “Antithrombotic therapy in the prevention of stroke,” Primary Care Grand Rounds, University of California San Francisco, April 1983.
- “Antithrombotic therapy of pulmonary embolism,” Medical Grand Rounds, University of California San Francisco, June 1983.

1986

- “Hemorrhagic complications of anticoagulant therapy,” Medical Grand Rounds, University Hospitals of Cleveland and Case Western Reserve University, March 1986.

1987

- “Testing for antibody to HIV,” Medical Grand Rounds, University Hospitals of Cleveland and Case Western Reserve University, February 1987.
- “Patient outcomes in clinical medicine,” Medical Grand Rounds, University Hospitals of Cleveland and Case Western Reserve University, October 1987.

1988

- “Deep vein thrombosis: Recent developments and current controversies,” Medical Grand Rounds, University Hospitals of Cleveland and Case Western Reserve University, October 1988.
- “Update: Diagnosis and treatment of deep vein thrombophlebitis and pulmonary embolism,” Euclid Hospital, Euclid, Ohio, October 27, 1988.

1989

- “Data Base Research: Possibilities and Pitfalls,” Society of General Internal Medicine (national meeting, Washington, DC), April 1989 (with T. Lee, S. Udvarhelyi, M. Griffin).
- “Clinical Research in Patient Outcomes,” Society of General Internal Medicine (midwest meeting, Chicago), November 1989 (with G. Rosenthal, C. Whalen).

1990

- “Autopsy: Necessary or antiquated?” Grand Rounds, CWRU School of Medicine, University Hospitals of Cleveland, January 20, 1990.
- “Autopsy: Necessary or antiquated?” University of Cincinnati College of Medicine. February 16, 1990.

- “Bleeding complications of anticoagulant therapy,” University of Cincinnati College of Medicine, Division of General Medicine, February 1990.
- “Anticoagulant Therapy,” Society of General Internal Medicine Pre-Course on Primary Care, May 1990 (with Daniel M. Becker, MD).
- Chairman, “How to Identify Potential Bleeders Receiving Anticoagulant Drugs and Thrombolytic Agents”; Discussant, “Identification of High-Risk Patients Treated with Anticoagulants,” American Heart Association, Dallas, Texas, November 12, 1990.
- “Anticoagulant Therapy in the 1990s: Doing More Good and Less Harm,” Medical Grand Rounds, University Hospitals of Cleveland and Case Western Reserve University. November 17, 1990.
- “Implications of the Hospital Outcomes Project in the Elderly (HOPE) for Public Policy,” Gerontologic Society of America, Boston, November 22, 1990.

1991

- “Functional decline in acutely ill older patients: Towards an understanding of the dysfunctional syndrome,” Second Annual Primary Care Research Conference, January 15, 1991, San Diego, California.
- “Doctors, drug companies, and gifts.” Lichtman Oration, Miriam Hospital and Brown University, Providence, Rhode Island, March 21, 1991 (with Mary-Margaret Chren, MD).
- “Gifts in medicine: Epidemiology, effects, and implications,” Medical Grand Rounds, University Hospitals and Case Western Reserve University, September 25, 1991, Cleveland, Ohio.
- “Anticoagulant Therapy in the 1990s: Doing More Good Than Harm,” Medical Grand Rounds, Henry Ford Hospital, Detroit, Michigan, October 3, 1991.

1992

- “Anticoagulant Therapy in the 1990s: Doing More Good Than Harm,” Medical Grand Rounds, Cleveland Clinic Foundation, Cleveland, Ohio, February 13, 1992.
- “Doctors and Drug Companies,” Medical Grand Rounds, Akron City Hospital, Akron, Ohio, August 26, 1992.
- “What Should the Ideal Test Do? How Does the Prothrombin Time Stack Up?” American Society of Hematology, Anaheim, California, December 5, 1992.

1993

- “Redesigning the Hospital for Acute Care of the Elderly,” Scientific Session, Montreal General Hospital, March 16, 1993.
- “Redesigning the Hospital for Acute Care of the Elderly,” Grand Rounds, McGill University, Montreal, Quebec, March 17, 1993.
- “Preventing Functional Decline in Hospitalized Older Persons,” Grand Rounds, Georgetown University, Washington, DC, April 1, 1993.

1994

- “Prevention of Functional Decline in Hospitalized Elders: Conceptual Framework, Epidemiology, and Prevention,” Morris W. Stroud Lectureship in Gerontology and Aging, Columbia University College of Physicians and Surgeons, January 10, 1994.
- “Improving Outcomes of Hospitalized Elderly: Lessons from Outcomes Research,” Visiting Professor, Division of General Medicine, Columbia-Presbyterian Hospital, May 23, 1994.

1995

- “Autopsies: Necessary or Antiquated?” Medical Grand Rounds, Harbor-UCLA Medical Center, June 13, 1995.
- “The Autopsy,” Brown-Wide Grand Rounds, Brown University, June 15, 1995.
- “New Roles of Health Care Providers,” (Discussant). “Evolution or Revolution: Providing Quality in a Continuum of Care,” 12th Annual Florence Cellar Gerontology Conference, Eastlake, OH, June 23, 1995.
- “Improving the Care of Patients: Lessons from Outcomes Research,” Central Society for Clinical Research, APCR, SGIM, Chicago, IL, September 30, 1995.
- “Current Issues in Anticoagulant Therapy,” Medical Grand Rounds, University of California, San Francisco, December 14, 1995.

1996

- “Improving Patient Outcomes through a Patient-Centered Approach: Lessons from a Unit for Acute Care for Elders,” Picker Institute’s Second National Conference on Patient-Centered Care, St. Louis, MO, May 17, 1996.
- “The Potential Role of Outcomes Research in Medical Genetics,” Genetics Grand Rounds, Case Western Reserve University, Cleveland, OH, May 23, 1996.
- “Special Challenges for IRBs and Investigators when Doing Health Services and Program Evaluation Research,” Panel Discussion, “Ethical and Regulatory Issues in Social and Behavioral Science and Health Services Research,” Tufts University School of Medicine, Boston, June 18, 1996.
- “Current Issues in Anticoagulant Therapy,” Medicine 96, University Hospitals of Cleveland, November 13, 1996.

1997

- “Caring for an Aging Population: New Directions for Geriatric Medicine in the 21st Century,” The Benjamin Lieberman Memorial Lecture, The UCSF-Mount Zion Center on Aging, UCSF, Millberry Conference Center, October 8, 1997.
- “Evidence-Based Approach to an Aging Population,” Core Curriculum, University of California, San Francisco, San Francisco, CA, November 7, 1997.
- “Evidence-Based Geriatrics,” Geriatric Noon Conference, UCSF/Mount Zion Medical Center, Herbst Hall, San Francisco, CA, November 20, 1997.

1998

- “Evidence Based Medicine for an Aging Population”, Medical Grand Rounds, Department of Medicine, University of California, San Francisco: February 13, 1998.
- “Geriatrics ’98: Year in Review,” Advances in Internal Medicine: University of California, San Francisco, May 18, June 22, 1998.
- “Geriatrics: The Year In Review,” San Francisco, CA. October 14, 1998.
- “Management of the Hospitalized Patient in the Managed Care Era,” Advances in Internal Medicine: University of California, San Francisco, November 5-7, 1998.
- “Update on Geriatric Medicine,” Medical Grand Rounds, Department of Medicine, University of California, San Francisco, 1998.

1999

- “Hospitalized Elders,” Moffit Hospital Noon Conference: January 26, 1999, SFVAMC Noon Conference: February 1, 1999, UCSF/SFGH Grand Rounds: February 8, 1999.
- “New Developments in Geriatrics,” Kaiser Permanente, Daly City, CA, February 19, 1999.

- “Doctors and Drug Companies,” Medical Grand Rounds, UCSF-Mount Zion: September 10, 1999. Medical Grand Rounds, UCSF Department of Medicine: October 21, 1999. Medical Grand Rounds, UCSF-SFGH Department of Medicine: October 26, 1999. Primary Care Grand Rounds, UCSF/SFGH: October 27, 1999.

2000

- “Doctors and Drug Companies,” Internal Medicine Grand Rounds, St. Mary’s Medical Center: February 29, 2000.
- “Improving Hospital Care of Older Patients,” Internal Medicine Grand Rounds, University of Iowa College of Medicine, September 21, 2000.
- “Improving Hospital Care of Older Patients,” Division of Geriatrics Grand Rounds, University of California, San Francisco, October 4, 2000.
- “Improving Hospital Care of Older Patients,” Medical Grand Rounds, VAMC, San Francisco, CA, October 10, 2000.

2001

- “Improving Hospital Care of Older Patients,” Lecture for house-staff at California Pacific Medical Center, January 16, 2001.
- “Aging Well”, Successful Aging: Staying Healthy and Living Longer, UCSF Foundation Wellness Lecture Series, February 13, 2001.
- “Improving Hospital Care of Older Patients,” Medical Grand Rounds, VAMC, San Francisco, CA, March 26, 2001.
- “Improving Hospital Care of Older Patients,” Medical Grand Rounds, UCSF, Moffitt-Long Hospital, San Francisco, CA, March 27, 2001.
- “Improving Hospital Care of Older Patients,” Medical Grand Rounds, SFGH, San Francisco, CA, March 29, 2001.
- “Updates in Geriatrics, Best Hits 2000-2001”, Medical Grand Rounds, SFGH, San Francisco, CA, April 24, 2001.
- “Geriatrics 2001: Best Hits”, Medical Grand Rounds, UCSF, Moffitt-Long Hospital, San Francisco, CA, June 21, 2001.
- “Aging Well,” Successful Aging: Staying Healthy and Living Longer, UCSF Foundation Wellness Lecture Series, February 13, 2001.

2002

- “Doctors and Drug Companies,” UCSF Division of Rheumatology Retreat, May 21, 2002.

2003

- “Keynote Address: Physicians and the Pharmaceutical Industry,” Advances in Internal Medicine, UCSF, San Francisco, CA, May 19 and June 16, 2003.
- “Physicians and the Pharmaceutical Industry: Ethics and Evidence,” Grand Rounds, Highland Hospital, Oakland, CA, June 13, 2003.

2004

- “Medical Grand Rounds: Doctors and Drug Companies,” San Mateo County Hospital, San Mateo, CA, February 12, 2004.
- “Pediatrics Grand Rounds: Doctors and Drug Companies,” Department of Pediatrics, UCSF, San Francisco, CA, April 27, 2004.
- “Dermatology Grand Rounds: Doctors and Drug Companies,” Department of Dermatology, UCSF, San Francisco, CA, December 19, 2004.

2005

- “Opportunities and Challenges Facing Academic Geriatrics,” Western Society of Clinical Investigation, Carmel, CA, February 4, 2005.
- “Medical Grand Rounds: Doctors and Drug Companies,” Highland Hospital, Oakland, CA, June 10, 2005.
- “Geriatric's Role in Achieving Vitality and Longevity Today,” Fromm Institute, University of San Francisco, October 13, 2005.

2006

- “Medical Grand Rounds: Hospital Care of Older Patients: Is It Safe and Effective?” San Francisco VAMC, San Francisco, CA, August 29, 2006.
- “Primary Care Grand Rounds: “A Shared Agenda for General Internal Medicine and Geriatrics: Improving Quality and Access,” UCSF, San Francisco, CA, October 16, 2006.
- “UCSF Schoolwide Symposium: Pharmaceutical Industry Involvement in Medical Student and Resident Education: Current Practices and Future Solutions,” UCSF, San Francisco, CA, October 19, 2006. (Convener, with Michael Steinman, MD)

ServiceUniversity Service*Yale University*

1974-1976

Curriculum Committee, Basic Sciences Subcommittee

Case Western Reserve University and Cleveland VAMC

1985-1987

Research Committee, Subcommittee on Epidemiology and Biostatistics,

1987-1992

Quality Assurance Committee, Department of Medicine

1988-1989

Information Systems Steering Committee, University Hospitals of Cleveland

1988-1990

Primary Care Research Group

1990-1991

Task Force on Primary Care Curriculum

1991-1993

Search Committee, Chairman of Epidemiology and Biostatistics

1991-1992

Committee on the Structure of the Department of Medicine

1991-1992

Ad Hoc Committee to Develop Fellowship Programs in the Department of Medicine

1992-1995

Research and Development Committee, Cleveland VAMC

1992-1996

Research Committee, Henry Ford Hospital, Detroit, Michigan

1993-1997

Geriatrics and Extended Care Council, Cleveland VAMC

University of California San Francisco and San Francisco VAMC

1981-1982

Residency Goals Committee, Department of Medicine

1982-1983

Quality Assurance Committee, Subcommittee on Quality of Care, Moffitt Hospital

1982-1983

Intern Selection Committee, Department of Medicine

1997-1999

Chair, Executive Committee, UCSF-Mt. Zion Center on Aging

1997-2000

San Francisco VAMC Research Committee

1998-present

Chair, Academic Geriatric Resource Center (AGRC) Coordinating and Advisory Committee

1998-2004 Department of Medicine Promotion & Tenure Sub-Committee
 1998-present Statewide Advisory Committee, Academic Geriatric Resource Program, University of California Office of the President
 1998-2000 Stewardship Review Committee, Chair, Department of Epidemiology and Biostatistics
 1999-2001 Search Committee: Epstein Chair for Geropsychiatry
 1999-2000 Chair, Search Committee: Chief, Division of General Internal Medicine, Parnassus Campus
 1999-2001 Search Committee: Chief of Medical Service, San Francisco VAMC
 1999-2003 Search Committee: Patient Outcomes Research
 2001-present Chair, Search Committee: Chief, Division of General Internal Medicine, San Francisco VAMC Campus
 2001-present San Francisco VAMC Research Space Committee
 2002-present Scientific Advisory Committee, Osher Center for Integrative Medicine
 2002-present Associate Director, Health Service Research Enhancement Award Program, San Francisco VAMC
 2003-present Chair, Clinical and Outcomes Research (COR) Search Committee
 2003-present UCSF Academic Senate, Committee on Committees
 2003 UCSF Office of the Vice Chancellor, Ad Hoc Committee Review
 2004 Stewardship Review Committee, Co-Directors, Institute on Health and Aging
 2005 Committee for Collaborative Research Evaluation

Federal Service

1993-1997 Health Care Technology Study Section, Agency for Health Care Policy and Research
 1994 Department of Veterans Affairs (Management Decision and Research Center, Health Services Research and Development Service), Advisory Committee for State of the Art Conference on Primary Care,
 1998-1999 National Institutes of Health Scientific Review Group SNEM4 - Social Sciences, Nursing, Epidemiology and Methods Study Section (Health Services Research)
 2002 National Institute on Aging Special Emphasis Panel for Older American Independence Centers
 2002 National Institute on Aging Meeting on Enhancing the Development of Physician-Investigators in Aging
 2003 Department of Veterans Affairs Health Services Research and Development Service, Planning Committee for State of the Art Conference on Long-term Care
 2004 National Institute on Aging Special Emphasis Panel for Older American Independence Centers
 2005 National Institute on Aging Special Emphasis Panel /Scientific Review Group ZAG1 ZIJ-4 (01)
 2005 National Institutes on Health Scientific Review Group ZRG1 RPHB-J (50)

- 2006 National Institute on Aging Special Emphasis Panel for Older American Independence Centers
- 2006-07 Chair, NIH State-of-the-Science Conference on the Prevention of Fecal and Urinary Continence (to be held December 10-12, 2007); Member, Planning Committee
- 2006 National Institutes on Health Review Group ZAG1 ZIJ-9 (J2)

Service to Professional Societies

- Society of General Internal Medicine*
- 1991-1994, 1995-1998 Finance Committee, Society of General Internal Medicine
- 1992 President, Midwest Society of General Internal Medicine
- 1992-1993 Chair, Selection Committee for Small Groups on Research Methods, 1993 National Meeting, Society of General Internal Medicine
- 1993-1994 Ethics Committee, Society of General Internal Medicine
- 1993-1994 Program Chair, 1994 National Meeting, Society of General Internal Medicine
- 1995 Director, Precourse on Geriatric Medicine for Generalists, 18th Annual Meeting, Society of General Internal Medicine (May 3, 1995)
- 1995-1996 Treasurer-Elect, Society of General Internal Medicine
- 1996-1998 Treasurer, Society of General Internal Medicine
- 1998-1999 President-Elect, Society of General Internal Medicine
- 1999-2000 President, Society of General Internal Medicine
- 2000-2001 Past-President, Society of General Internal Medicine
- 2001-present Chair, Executive Committee, SGIM Initiative to Improve Research and Education in Care of Older Adults
- 2004-2005 Chair, Ethics Committee
- 2005-2006 External Funding Policy Review Committee
- 2005- Member, Ethics Committee
- American Geriatrics Society*
- 1997-2000 Research Committee, American Geriatrics Society
- 1999 Selection Committee, American Geriatrics Society/Pfizer Career Development Award for Research on Health Outcomes in Geriatrics
- 2000 Advisory Committee, American Geriatrics Society-HCFA Medicare Health Policy Scholar Program
- 2000-2003 Program Committee, American Geriatrics Society
- 2002-2006 Reviewer, Jahnigen Career Development Scholars Awards
- 2006-present Board of Directors, American Geriatrics Society
- Other Professional Societies*
- 1990 Session Chair, "How to Identify Potential Bleeders Receiving Anticoagulant Drugs and Thrombolytic Agents"; Discussant, Identification of High-Risk Patients Treated with Anticoagulants, American Heart Association Meeting
- 1994 Co-Chair, Session on Clinical Epidemiology and Health Services

	Research, American Federation for Clinical Research, 1994 National Meeting
1996	National Advisory Board, Public Responsibility in Medicine and Research
2000-present	National Oversight Panel, The Association of Directors of Geriatric Academic Programs (ADGAP) Longitudinal Study of Training and Practice in Geriatric Medicine

Service to Professional Publications

Editorial Assignments

1993-1995	Editorial Board, Journal of General Internal Medicine
1995-1999	Associate Editor, Journal of General Internal Medicine
1997-present	Editorial Board, Journal of the American Geriatrics Society
1997-present	Editorial Board, American Journal of Medicine

Editorial Review

1985-	Western Journal of Medicine
1986-	Medical Care
1987-	Journal of General Internal Medicine
1987-	Journal of Laboratory and Clinical Medicine
1989-	New England Journal of Medicine
1990-	American Journal of Medicine
1991-	Journal of the American Geriatrics Society
1991-	Journal of the American Medical Association
1991-	Chest
1992-	Annals of Internal Medicine
1994-	Medical Decision Making
1995-	Pediatrics
1995-	Journals of Gerontology
1996-	Annals of Epidemiology
1998-	Canadian Medical Association Journal

Community/Public Service

1978	Rhodes Scholarship Selection Committee, Connecticut
1987-1992	Rhodes Scholarship Selection Committee, Ohio
1997-present	Board of Directors, Goldman Institute on Aging
2003-2005	Rhodes Scholarship Selection Committee, California

Teaching and Mentoring

1982-1983	Chief Medical Resident, University of California San Francisco
1985-1997	Attending Physician, University Hospitals of Cleveland and Cleveland VAMC
1986-1997	Core Curriculum in Clinical Epidemiology, Biostatistics, and Health Care Research (for fellows in General Medicine and the Department of Medicine)

1986-1989	Subject Committee Chairperson, Curriculum on Clinical Decisions for Second-Year Medical Students
1987-1989	Lecturer on pulmonary embolism in the Pulmonary Section of the Medical School Curriculum
1990-1993	Lecturer and Small Group Leader, Fundamentals of Medical Decision Making (Second Year Curriculum)
1994-1997	Seminars with Medicine Residents on Anticoagulant Therapy and Autopsy
1997-present	Attending Physician, UCSF and San Francisco VAMC
1998-present	A First Course in Patient-based Research, Course Director
2000	Lecturer for UCSF Medical Students in Pharmacology 100C
2003-present	Pharmacology in older adults, Small group leader
2003-present	Ethics cases in older adults, Small group leader
2004	Lecturer on the Pharmaceutical Industry, Health Policy Elective

Junior Faculty Mentored for Career Development Awards

Case Western Reserve University and Cleveland VAMC

Gary Rosenthal, MD

Mary-Margaret Chren, MD

Rebecca Beyth, MD

Gregory Cooper, MD

Kenneth Covinsky, MD, MPH

Amy C. Justice, MD, PhD

UCSF and San Francisco VAMC

Kristine Yaffe, MD

Mary Whooley, MD

Michael Shlipak, MD

John Peabody, MD, PhD

Louise Walter, MD

Sara Knight, PhD

Steven Pantilat, MD

Erwin Tan, MD

Andy Auerbach, MD

Steven Bonasera, MD, PhD

Rebecca Conant, MD

Sangeeta Kopardekar, MD

Ann O'Hare, MD, MA

Michael Steinman, MD

Margaret Fang, MD

Rebecca Sudore, MD

Kirby Lee, PharmD

Brie Williams, MD, MS

Postdoctoral Research Fellows Supervised as Primary Mentor

Jay Wenger, MD (1986-1988)

Gary Rosenthal, MD (1987-1990)
Christopher Whalen, MD (1987-1990)
Mary-Margaret Chren, MD (1990-1992)
Rebecca Beyth, MD (1990-1994)
Elizabeth O'Toole, MD (1991-1994)
Gregory Cooper, MD (1992-1993)
Paul Wright, MD (1995-1997)
Elizabeth Burton, MD (1999-2000)
Edgar Pierluissi, MD (1999-2001)
Michael Steinman, MD (2000-2003)
Alex Li, MD (2001-2003)
Kenneth Chuang, MD (2001-2003)
Jayna Holroyd-Leduc, MD (2002-2004)
Serge Lindner, MD (2003-2005)
Rebecca Sudore, MD (2003-2005)

Postdoctoral Research Fellows Supervised as Secondary Mentor

Howard Gordon, MD (1993-1996)
Mathilde Piro, MD (1995-1997)
Zachary Pine, MD (1998-2001)
Louise Walter, MD (1998-2001)
Stephen Bonasera, MD, PhD (1999-2003)
Michael Ming, MD (1999-2000)
Erwin Tan, MD (2000-2001)
Kahla Mehta, ScD (2000-present)
Elizabeth Lindenberger, MD (2001-2003)
Deborah Barnes, PhD (2002-2005)
Elise C. Carey, MD (2002-2004)
Kaycee Sink, MD (2002-2004)
Sei Lee, MD (2004-2006)
Brie Williams, MD (2005-2007)

Predoctoral Medical Students Supervised

Meghal Antani (1992-1994)
Steven Sherman (1992)
Laura Phang (1999)

Dissertation Committees

1. Mary Kerr (The Relationship of the CNNC Taxonomy to Outcomes in the Cardiovascular Surgical Patient; Ph.D., Frances Payne Bolton School of Nursing, 1991)
2. Isaac Nuamah (Data Analytic Methods for Correlated Binary Responses; Ph.D., Epidemiology and Biostatistics, Case Western Reserve University, 1994)
3. Denise Kresevic (Identification of Risk Factors for New-Onset Urinary Incontinence Among Hospitalized Elders; Ph.D., Frances Payne Bolton School of Nursing, 1997)

Summary of Teaching Hours

2004-05	668 total hours of teaching (including preparation) Formal class or course teaching hours: 8 hours Informal teaching hours (including attending): 260 hours Mentoring: 400 hours
2005-06.1	668 total hours of teaching (including preparation) Formal class or course teaching hours: 8 hours Informal teaching hours (including attending): 260 hours Mentoring: 400 hours
2006-07	668 total anticipated hours of teaching (as above)

Teaching Narrative

I teach primarily in small group and one-to-one settings. I spend approximately 8 hours/week meeting with my two primary junior faculty mentees (Michael Steinman, MD and Rebecca Sudore, MD) and preparing for those meetings, and meeting other postdoctoral fellows and junior faculty about their research or career development. I teach a total of 260 hours each year in small group settings, including attending rounds and seminars. I spend 8 hours each year leading small groups in the Life Cycles class for second-year medical students.

Grant Support

Active

Principal Investigator

1. NIA, R01 AG029233-01, "Risk Indices for Disability Among Hospitalized Older Persons," P.I., 9/1/06-8/31/09, \$738,000.
2. NIA, 2T32-AG00212 Training Grant, "Research Training in Geriatric Medicine," P.I., 5/1/03-4/30/08, \$1,412,299.
3. NIA, K07 AG00912, "Geriatrics Academic Leadership Award," P.I., 6/01/00-5/31/07, \$540,000.
4. John A. Hartford Foundation, Inc #2003-0455: "Center of Excellence in Geriatrics," P.I., 1/1/04 - 12/31/06, \$300,000.
5. John A. Hartford Foundation, Inc #2006-pending: "Center of Excellence in Geriatrics," P.I., 1/1/07 - 12/31/09, \$450,000.
6. RAND-John A. Hartford Foundation, Inc: "Interdisciplinary Geriatrics Research Center," (P.I., with Margaret Wallhagen, Ph.D., APRN), 1/1/07-12/31/08, \$200,000.
7. Donald W. Reynolds Foundation: "Comprehensive Center for Geriatrics Education," Co-P.I. (P.I., C. Bree Johnston; Co-P.I., Michael Harper), 7/1/06-6/30/10, \$2,000,000.
8. HRSA, Bureau of Health Professions, 5 D01 HP 00015-02, "Geriatric Training for Physicians, Dentists, and Behavioral/Mental Health Professionals," P.I., 7/01/02-6/30/07, \$2,540,000.
9. VA, National Quality Scholar Fellowship Program, P.I., 7/1/98- 6/30/07, ~\$300,000/year.
10. University of California, Office of Health Affairs, "UCSF Academic Geriatric Resource Center," PI/Director, 7/1/03-6/30/07, \$681,000.

Co-Investigator, Mentor

11. NIAMS, R01 AR054983-01, (Mary-Margaret Chren, PI), "Long-Term Outcomes of Nonmelanoma Skin Cancer." Role: Co-investigator, 5% effort.
12. NIA, R01 AG019827 (Kenneth Covinsky, PI), "Prognosis/risk indices for function/mortality in elders," 9/1/03-8/31/06. Role: Co-investigator, 10% effort.
13. VA HSR&D Service, IIR 04-043-3 (Mary-Margaret Chren, PI), "Recurrence after treatments of nonmelanoma skin cancer," 1/1/06-12/31/08. Role: Co-investigator, 6% effort.

14. VA HSR&D Service: Health Services Research Enhancement Award Program. (Mary-Margaret Chren, MD, Principal Investigator), 10/1/02-9/30/07, \$1,250,000. Role: Co-Director.
15. American Federation for Aging Research-Paul Beeson Faculty Scholars Award (Michael Shlipak, MD, Principal Investigator), “The Role of Chronic Renal Insufficiency and Heart Failure in the Frailty of Aging,” 7/1/03-6/30/06, \$450,000. Role: Mentor.
16. VA HSR&D Service: Research Career Development Award, (Ann O’Hare, MD, Principal Investigator), 7/1/03-6/30/06, \$500,000. Role: Mentor.
17. VA HSR&D Service: Research Career Development Award, (Michael Steinman, MD, Principal Investigator), 7/1/04-6/30/07, \$500,000. Role: Mentor.

Pending

NIA, R01 AG028481-01, “Depressive Symptoms, Aging, Disability and Health Outcomes,” (Kenneth Covinsky, PI). Role: Co-investigator. Percentile: 2.

Inactive

Principal Investigator, Co-Principal Investigator

Keck Foundation: “Efficacy, Efficiency, and Economic Impact of Different Strategies for Treating Deep Vein Thrombosis” P.I., 9/1/85-8/31/86; \$5,000.

American Heart Association: “Reduction of In-Hospital Complications of Anticoagulants” P.I., 1/1/86-12/31/88; \$44,298.

Research Fund of December 1942: “Decreasing the Risk of Fatal and Other Major Bleeding during Long-Term Anticoagulant Therapy” P.I., Original funding period - 7/1/86-6/30/87 - extended to 6/30/89; \$25,000.

Ohio Board of Regents: “AIDS Survey” P.I., 5/1/88-4/30/89; \$5,000.

John A. Hartford Foundation, #88277-3G: “The Dysfunctional Syndrome: Characterization and Prevention” P.I.; 10/1/89-4/30/92; \$440,906.

TNH-Core: “The Effect of Prothrombin Time Self-Monitoring by Elderly Patients on Control of Warfarin Therapy after Hospital Discharge” P.I., 11/1/89-8/31/90; \$4,425.

American College of Physicians: George Morris Piersol Teaching and Research Scholarship; P.I., 7/1/90-6/30/93; \$60,000.

NIA #AG09657: “Anticoagulant Therapy in Older Patients” P.I., 7/1/91-6/30/96; \$678,051.

NIA #AG-10418: “Intervention Study on Functional Decline of Older Patients During Hospitalization.” P.I., 12/1/92-11/30/97; \$1,559,295. (This project was an Intervention Study A in Pepper Older Americans Independence Center, J. Kowal, P.I., 12/1/92-11/30/97, \$3,037,735.)

Robert Wood Johnson Foundation, #20553: “A Randomized Trial of Collaborative Care: An Alternative Model for Organizing Health Care Delivery in Teaching Hospitals.” Co-PI, 9/1/92-8/31/95, \$509,995.

VA: Senior Research Associate. 8/8 VA FTE & \$5,000 per year for 4 years; 7/1/93-6/30/97.

John A. Hartford Foundation, Inc, #92307-G: “Senior Care: A Program to Promote Comprehensive Geriatric Care by Generalist Physicians in Urban Neighborhood Health Center.” Co-PI, 2/1/93-1/31/96; \$749,606.

University of California, Office of Health Affairs, “UCSF Academic Geriatric Resource Center,” PI/Director, 7/1/97-6/30/03, \$1771,000/year.

John A. Hartford Foundation, Inc #97299-G: “Center of Excellence in Geriatrics” P.I., 1/1/98 - 12/31/00, \$525,000.

California Healthcare Foundation and the Koret Foundation through a sub-contract with Jewish Family and Children’s Services: “Evaluation of the Identification and Early Intervention Program,” P.I. 1/1/99-3/1/02, \$740,157.

John A. Hartford Foundation, Inc #2000-0218, “Training General Internists in Geriatrics: Planning for Sustained Improvement,” P.I. (award to the Society of General Internal Medicine), 10/1/00-6/30-02, \$596,000.

John A. Hartford Foundation, Inc #2000-0455: “Center of Excellence in Geriatrics,” P.I., 1/1/01 - 12/31/03, \$450,000.

John A. Hartford Foundation, Inc, “Increasing Education and Research Capacity To Improve Care of Older Americans,” P.I. (award to the Society of General Internal Medicine), 7/1/02-6/30/05, \$1,600,000.

Co-Investigator, Consultant, Sponsor

Robert Wood Johnson Foundation, “Care of Critically Ill Hospitalized Adults (Phase II),” Consultant (Neal Dawson, MD, Alfred Connors, MD, Co-Principal Investigators). 11/1/91-12/31/94; \$2,083,474.

NIH #NR02882-02, “Falls: A Preventive Model of Risk,” Co-Investigator (Beverly Roberts, Ph.D., P.I.). 9/30/92-8/29/95; \$610,060.

NIAMS, K08 #AR01962: “A Health Status Measure for Patients with Skin Disease.” Sponsor (Mary-Margaret Chren, MD, Principal Investigator), 7/1/95-6/30/00; \$412,250.

NIA, K08 #AG00714-01: “Improving Quality of Life in Elders With Acute and Chronic Illness.” Sponsor (Kenneth Covinsky, MD, MPH, Principal Investigator), 5/1/96-4/30/01, \$400,326.

VA HSR&D Service #HIR-97010.2: “Comprehensive Outcomes of Nonmelanoma Skin Cancer.” Co-Investigator. (Mary-Margaret Chren, MD, Principal Investigator), 4/1/98-6/30/03; \$476,500.

VA HSR&D Service 662NC0248: “Measuring Primary Care Competency-Linking Knowledge to Clinical Behavior,” Co-Investigator. (John W. Peabody, MD, PhD, Principal Investigator)

NIH “An Ethnography of Dying in a Nursing Home,” Co-Investigator. (Jeanie Kayser-Jones, RN, PhD, Principal Investigator), 7/1/98-6/30/03, \$291,638.

American Federation for Aging Research-Paul Beeson Faculty Scholars Award: “Outcomes of Frail Elders Living in the Community.” Sponsor (Kenneth Covinsky, MD, MPH, Principal Investigator), 7/1/99-6/30/04, \$450,000.

American Federation for Aging Research-Paul Beeson Faculty Scholars Award: “Mechanisms of Association between Depression and Poor Health Outcomes in Older Patients.” Sponsor (Mary Whooley, MD, Principal Investigator), 7/1/01-6/30/04, \$450,000.

American Federation for Aging Research-Paul Beeson Faculty Scholars Award: “Determinants of Cognitive Change and its Outcomes in African-American and White Elders.” Sponsor (Kristine Yaffe, MD, Principal Investigator), 7/1/01-6/30/04, \$450,000.

VA HSR&D Service: Research Career Development Award. Secondary Mentor (Louise Walter, MD, Principal Investigator), 7/1/02-6/30/05, ~\$450,000.

VA HSR&D Service: Advanced Research Career Development Award. Secondary Mentor (Mary Whooley, MD, Principal Investigator), 7/1/02-6/30/05, ~\$450,000.

VA HSR&D Service: Advanced Research Career Development Award. Secondary Mentor (Sara Knight, PhD, Principal Investigator), 7/1/03-6/30/06, ~\$450,000.

NIA 1 K23AG01018 “Improving Inpatient Palliative Care for Older Adults.” Secondary Mentor (Steven Pantilat, ME, Principal Investigator), 8/15/00-8/14/05.

NIH 1 K30 HL04103-01 “UCSF Clinical Research Training Program” Co-Investigator. (Stephen B. Hulley, MD, Principal Investigator), 6/1/99-5/31/04, \$926,629.

Publications

Original Articles

1. Landefeld CS, Schambelan M, Kaplan SL, Embury SH. Clomiphene-responsive hypogonadism in sickle cell anemia. *Ann Intern Med* 1983; 99:480-483.
2. Landefeld, CS. Antithrombotic therapy for pulmonary embolism. *Western J Med* 1984; 141:223-228.
3. Landefeld CS, Flatley M, Weisberg M, Cook EF, Goldman L. Identification and preliminary validation of predictors of major bleeding in hospitalized patients starting anticoagulant therapy. *Am J Med* 1987; 82:703-713.
4. Bigby J, Dunn J, Goldman L, Adams JB, Jen P, Landefeld CS, Komaroff AL. Assessing the preventability of emergency hospital admissions: A method for evaluating the quality of medical care in a primary care facility. *Am J Med* 1987; 83:1031-1036.
5. Landefeld, CS, Chren MM, Shega J, Speroff T, McGuire E. Students' sexual behavior, knowledge, and attitudes relating to the acquired immunodeficiency syndrome. *J Gen Intern Med* 1988; 3:161-165.
6. Landefeld CS, Chren MM, Myers A, Geller R, Robbins S, Goldman L. Diagnostic yield of the autopsy in a university hospital and a community hospital. *N Engl J Med* 1988; 318:1249-1254.
7. Wenger JD, Whalen CC, Lederman MM, Spech T, Carey JT, Tomford JW, Landefeld CS. Prognostic factors in acquired immunodeficiency syndrome. *J Gen Intern Med* 1988;3:464-470.
8. Landefeld CS, Goldman L. The autopsy in quality assurance: history, current status, and future directions. *QRB* 1989; 15:42-48.
9. Youngner SJ, Landefeld CS, Coulton CJ, Juknialis BW, Leary M. 'Brain death' and organ retrieval: A cross-sectional survey of knowledge and concepts among health professionals. *JAMA* 1989; 261:2205-2210.
10. Landefeld CS, Anderson PA, Goodnough LT, Moir TW, Hom DL, Rosenblatt MW, Goldman L. The bleeding severity index: validation and comparison to other methods for classifying bleeding complications of medical therapy. *J Clin Epidem* 1989; 42:711-718.
11. Landefeld CS, Goldman L. Major bleeding in outpatients treated with warfarin: Incidence and prediction by factors known at the start of outpatient therapy. *Am J Med* 1989; 87:144-152.
12. Landefeld CS, Rosenblatt MW, Goldman L. Bleeding in outpatients treated with warfarin: Relation to the prothrombin time and important remediable lesions. *Am J Med* 1989; 87:153-159.

13. Chren MM, Landefeld CS, Murray TH. Doctors, drug companies, and gifts. *JAMA* 1989; 262:3448-3451.
14. Rosenthal GE, Landefeld CS. The relation of chlamydial infection of the cervix to time elapsed from the onset of menses. *J Clin Epidem* 1990; 43:15-20.
15. Landefeld CS, McGuire E, Cohen AM. Clinical findings associated with acute proximal deep vein thrombosis: A basis for quantifying clinical judgment. *Am J Med* 1990; 88:382-388.
16. Rosenthal GE, Mettler G, Pare S, Riegger M, Ward M, Landefeld CS. A new diagnostic index for predicting cervical infection with either Chlamydia trachomatis or Neisseria gonorrhoeae. *J Gen Intern Med* 1990; 5:319-326.
17. Landefeld CS, McGuire E, Rosenblatt MW. A bleeding risk index for estimating the probability of major bleeding in hospitalized patients starting anticoagulant therapy. *Am J Med* 1990; 89:569-578.
18. Landefeld CS, Phillips RS, Bergner M. Patient characteristics in SUPPORT: Functional status. *J Clin Epidem* 1990; 43 (suppl):37S-39S.
19. Oye RK, Landefeld CS, Jayes RL. Outcomes in SUPPORT. *J Clin Epidem* 1990; 43 (suppl):83S-87S.
20. Chren MM, Landefeld CS. Doctors, drug companies and gifts. *Rhode Island Med J* 1991; 74:603-610.
21. McGuire E, III, Shega J, Nicholls G, Deese P, Landefeld CS. Sexual behavior, knowledge, and attitudes about AIDS among college freshmen. *Am J Prev Med* 1992; 8:226-234.
22. Landefeld CS, Rosenthal GE, Aucott J, Whalen CC, Wright J, Hout W, Midgett A, Ravdin JJ, Aron DC. The Cleveland Veterans Affairs Medical Center Firm System. *Intl J Technology Assessment in Health Care* 1992; 8:325-334.
23. Rosenthal GE, Mettler G, Pare S, Riegger M, Ward M, Landefeld CS. Diagnostic judgments of nurse practitioners providing primary gynecologic care: A quantitative analysis. *J Gen Intern Med* 1992; 7:304-311.
24. Landefeld CS, Anderson PA: Guideline-based consultation to prevent anticoagulant-related bleeding: A randomized, controlled trial in a teaching hospital. *Ann Intern Med* 1992; 116:829-37.
25. Rosenthal GE, Halloran EJ, Kiley M, Pinkley C, Landefeld CS. Development and validation of the Nursing Severity Index: A new method for measuring severity of illness using nursing diagnosis. *Med Care* 1992; 30:1127-1141.

26. Rosenthal GE, Landefeld CS. Do older Medicare patients cost hospitals more? Evidence from an academic medical center. *Arch Intern Med* 1993; 153:89-96.
27. Chren MM, Lazarus HM, Bickers DR, Landefeld CS. Rashes in immunocompromised cancer patients. The diagnostic yield of skin biopsy and its effects on therapy. *Arch Dermatol* 1993; 129:175-181.
28. Landefeld CS, Beyth RJ. Anticoagulant-related bleeding: Clinical epidemiology, prediction, and prevention. *Am J Med* 1993; 95:315-328.
29. Armitage K, Salata R, Landefeld CS. Urosepsis in the elderly: Clinical and microbiology characteristics. *Inf Dis Clin Practice* 1993; 2:260-266.
30. Landefeld CS. The spring meetings: Are they dying? *N Engl J Med* 1993; 308:1645-1647.
31. O'Toole EE, Youngner SJ, Juknialis BW, Daly B, Bartlett ET, Landefeld CS. Evaluation of a treatment limitation policy with a separate treatment-limiting order page. *Arch Intern Med* 1994; 154:425-432.
32. Chren MM, Landefeld CS. Physicians' behavior and their interactions with drug companies; A controlled study of physicians who requested additions to a hospital drug formulary. *JAMA* 1994; 271:684-689.
33. Aucott JN, Taylor AL, Wright JT, Jr., Ganz MB, Landefeld CS, et al. Developing guidelines for local use: Algorithms for cost-efficient management of cardiovascular disorders in a VA medical center. *J Quality Improvement* 1994; 20:17-33.
34. Palmer RM, Landefeld CS, Kresevic D, Kowal J. A medical unit for the acute care of the elderly. *J Am Ger Soc* 1994; 42:545-552.
35. Whalen C, Antani M, Carey J, Landefeld CS. An index of symptoms for infection with human immunodeficiency virus: Reliability and validity. *J Clin Epidem* 1994; 47:537-546.
36. Chren MM, Landefeld CS. A cost analysis of topical drug regimens for dermatophyte infections. *JAMA* 1994; 272:1922-1925.
37. Chren MM, Lazarus HM, Salata RA, Landefeld CS. Cultures of skin biopsy tissue from immunocompromised cancer patients. *Arch Dermatol* 1995; 131:552-555.
38. Beyth RJ, Landefeld CS. Long-term outcomes of deep vein thrombosis. *Arch Intern Med* 1995; 155:1031-1037.
39. Rosenthal GE, Halloran EJ, Kiley M, Landefeld CS. Predictive validity of the nursing severity index in patients with musculoskeletal disease. *J Clin Epidemiol* 1995; 48:179-188.

40. Beyth RJ, Landefeld CS. Anticoagulants in older patients: A safety perspective. *Drugs and Aging* 1995; G (1):45-54.
41. Cooper GS, Yuan A, Landefeld CS, Johanson JF, Rimm AA. A national population-based study of the anatomic location of colorectal cancer: Implications for screening in older Americans. *Cancer* 1995; 75:775-781.
42. Wu AW, Damiano AM, Lynn J, Alzola C, Teno J, Landefeld CS, et al. Predicting future functional status for seriously ill hospitalized adults. The SUPPORT prognostic model. *Ann Intern Med* 1995; 122:342-350.
43. Landefeld CS, Palmer RM, Kresevic D, Fortinsky RH, Kowal J. A randomized trial of care in a hospital medical unit especially designed to improve the functional outcomes of acutely ill older patients. *N Engl J Med* 1995; 332:1338-1344.
44. Genet CA, Brennan PF, Ibbotson-Wolff S, Phelps C, Rosenthal G, Landefeld CS, Daly B. Nurse practitioners in a teaching hospital setting. *Nurse Practitioner* 1995; 20:47-54.
45. Ubel PA, Arnold RM, Gramelspacher GP, Hoppe RB, Landefeld CS, Levinson W, Tierney W, Tolle SW. Acceptance of external funds by physician organizations: Issues and policy options. *J Gen Intern Med* 1995; 10:624-630.47.
46. Sager MA, Inouye SK, Landefeld CS, Morgan TM, Rudberg MA, Siebens H, Winograd CH. Functional outcomes of acute medical illness and hospitalization in older persons. *Arch Intern Med* 1996; 156:645-652.
47. Sager MA, Rudberg MA, Jalaluddin M, Franke T, Inouye SK, Landefeld CS, Siebens H, Winograd CH. Hospital admission risk profile (HARP): Identifying patients at risk for functional decline following acute medical illness and hospitalization. *J Am Ger Soc* 1996; 44:251-257.
48. Cooper GS, Yuan Z, Landefeld CS, Rimm AA. Surgery for colorectal cancer: Race-related differences in rates and survival among Medicare beneficiaries. *Am J Pub Hlth* 1996; 86:582-586.
49. Covinsky KE, Landefeld CS, Teno J, Connors AF Jr, Dawson N, et al. Is economic hardship on the families of the seriously ill associated with patient and surrogate care preferences? *Arch Intern Med* 1996; 156:1737-1741.
50. Rosenthal GE, Chren MM, Lasek RL, Landefeld CS. The “annual guide” to “America’s best hospitals”: Evidence of influence among health care leaders. *J Gen Intern Med* 1996; 11:366-369.
51. Antani MR, Beyth RJ, Covinsky KE, Anderson PA, Miller DG, Cebul RD, Quinn LM, Landefeld CS. Failure to prescribe warfarin to patients with nonrheumatic atrial fibrillation. *J Gen Intern Med* 1996; 11:713-720.

52. Beyth RJ, Antani MR, Covinsky KE, Miller DG, Chren, MM, Quinn LM, Landefeld CS. Why isn't warfarin prescribed to patients with nonrheumatic atrial fibrillation? *J Gen Intern Med* 1996; 11:721-728.
53. Covinsky KE, Fortinsky RH, Palmer RM, Kresevic DM, Landefeld CS. The relationship of depressive symptoms to health status outcomes in acutely ill hospitalized elders. *Ann Intern Med* 1997; 126:417-425.
54. Covinsky KE, Justice AC, Rosenthal GE, Palmer RM, Landefeld CS. Measuring prognosis and case-mix in hospitalized elders: The importance of functional status. *J Gen Intern Med* 1997; 12:203-208.
55. Covinsky KE, King, Jr. JT, Quinn L, Siddique R, Palmer R, Kresevic D, Fortinsky RH, Kowal J, Landefeld CS. Do Acute Care for Elders Units increase hospital costs?: A cost analysis using the hospital perspective. *J Am Geriatr Soc* 1997; 45:1-6.
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57. Cooper GS, Bellamy P, Dawson NV, Desbiens N, Fulkerson Jr. WJ, Goldman L, Quinn LM, Speroff T, Landefeld CS. A prognostic model for patients with end stage liver disease. *Gastroenterology* 1997; 113:1278-1288.
58. Covinsky K, Rosenthal GE, Chren MM, Justice AC, Fortinsky RH, Palmer RM, Landefeld CS. The relationship between health status changes and patient satisfaction in older hospitalized medical patients. *J Gen Intern Med* 1998;13:223-230.
59. Bowman KF, Landefeld CS, Kowal J, Fortinsky RH. Strain in African American and White American caregivers of hospitalized elders. *Res Aging* 1998; 20: 547-568.
60. Rosenthal GE, Chren MM, Lasek RJ, Landefeld CS. What patients should ask of "consumers' guides" to health care quality. *Eval Health Prof* 1998; 21: 316-331.
61. Cooper GS, Fortinsky RH, Hapke R, Landefeld CS. Factors associated with the use of flexible sigmoidoscopy as a screening test for the detection of colorectal carcinoma by primary care physicians. *Cancer* 1998;82:1476-81.
62. Covinsky KE, Palmer RM, Kresevic DM, Kahana E, Counsell SR, Fortinsky RH, Landefeld CS. Improving functional outcomes in older patients: lessons from an acute care for elders unit. *J Qual Improvement* 1998; 24: 63-76.
63. Palmer RM, Counsell S, Landefeld CS. Clinical intervention trials: the ACE unit. *Clin Geriatr Med* 1998;14:831-49.
64. Beyth RJ, Quinn LM, Landefeld CS. Prospective evaluation of an index for predicting the risk of major bleeding in outpatients treated with warfarin. *Am J Med* 1998;105:91-9.

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66. Covinsky KE, Kahana E, Chin MH, Palmer RM, Fortinsky RH, Landefeld CS. Depressive symptoms and 3-year mortality in older hospitalized medical patients. *Ann Intern Med* 1999;130:563-9.
67. Sobecks NW, Justice AC, Hinze S, Chirayath HT, Lasek RJ, Chren MM, Aucott J, Juknialis B, Fortinsky R, Youngner S, Landefeld CS. When doctors marry doctors: a survey exploring the professional and family lives of young physicians. *Ann Intern Med* 1999;130:312-9.
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69. Covinsky KE, Martin GE, Beyth RJ, Justice AC, Sehgal AR, Landefeld CS. The relationship between clinical assessments of nutritional status and adverse outcomes in older hospitalized medical patients. *J Am Ger Soc* 1999; 47: 532-8.
70. Fortinsky RH, Covinsky KE, Palmer RM, Landefeld CS. Effects of functional status changes before and during hospitalization on nursing home admission of older adults. *J Gerontology* 1999; 54: M521-6.
71. Wright PJ, Fortinsky RH, Covinsky KE, Anderson PA, Landefeld CS. Delivery of preventive services to older black patients using neighborhood health health centers. *J Am Geriatr Soc* 2000; Feb; 48(2): 124-30.
72. Beyth RJ, Quinn L, Landefeld CS. A multicomponent intervention to prevent major bleeding complications in older patients receiving warfarin. A randomized, controlled trial. *Ann Intern Med*. 2000; 133: 687-95.
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