

**Harvard Medical School
Curriculum Vitae**

Date Prepared: 10/18/2009
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Place of Birth: Bellefonte, PA

Education

August 1986 – January 1990	Johns Hopkins University	BA	Natural Science (Biology / Biophysics), with Honors
August 1990 – May 1995	School of Medicine, University of Pennsylvania	MD	Medical Doctor, Joint M.D./M.B.A. Program
August 1993 – May 1995	Wharton School, University of Pennsylvania	MBA	Health Care Finance and Management
July 1997 – May 2000	Center for Clinical Epidemiology and Biostatistics, School of Medicine, University of Pennsylvania	MSCE	Health Services Research and Clinical Epidemiology

Postdoctoral Training

July 1995 – June 1997	Intern and Resident	Department of Medicine	Hospital of the University of Pennsylvania
July 1997 – June 1999	Fellow	Center for Clinical Epidemiology and Biostatistics, School of Medicine	University of Pennsylvania
July 1997 – June 1999	Fellow	Division of General Internal Medicine, Physician-Scientist Program	Hospital of the University of Pennsylvania

Faculty Academic Appointments

June 2006-Dec 2009	Associate Clinical Professor	Department of Epidemiology and Biostatistics, School of Medicine	University of California, San Francisco
September 2006-Dec 2009	Fellowship Committee, and Faculty Member	Philip R Lee Institute for Health Policy Studies, School of Medicine	University of California, San Francisco
September 2007-Dec 2009	KL2 Faculty Member	School of Medicine	University of California, San Francisco
June 2008-	Adjunct Professor	Health Policy and Management, School of Public Health	University of California, Berkeley
September 2008-	Faculty Member	Center on the Economics and Demography of Aging	University of California, Berkeley

Appointments at Hospitals/Affiliated Institutions

July 1997-July 1999	Attending Physician	Emergency Department	Philadelphia Veterans Affairs Medical Center
July 1999-May 2003	Physician	Department of Medicine, Oakland Medical Center	The Permanente Medical Group
June 2003-Dec 2009	Senior Physician	Department of Medicine, Oakland Medical Center	The Permanente Medical Group
January 2010-	Associate in Health Policy	Institute for Health Policy	Massachusetts General Hospital

Other Professional Positions

October 1999-Dec 2009	Physician Scientist	Division of Research	Kaiser Permanente Medical Care Program
September 2006-	Senior Fellow	Institute for Health Policy	Kaiser Permanente
December 2009-	Adjunct Physician Scientist	Division of Research	Kaiser Permanente Medical Care Program

Major Administrative Leadership Positions

Local

2005-2006	Founding Member	New Products Research Inventory Committee	Kaiser Permanente Medical Care Program
2005-	Founding Member	Deductible Products Research and Analysis Committee	Kaiser Permanente Medical Care Program
2007-2009	Member	Strategic Planning Committee (DOR leadership committee)	Kaiser Division of Research
2008-	Director	Center for Health Policy Studies, Division of Research	Kaiser Permanente Medical Care Program

National

2005	Member	Annual Research Meeting Planning Committee	AcademyHealth
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Committee Service

Local

2001-2003	Physician Electronic Selection Committee	Kaiser Permanente Medical Care Program
2002-	Kaiser Permanente Benefits Group, Consultant	Kaiser Permanente Medical Care Program
2002-2005	Internet Services Group, Consultant	Kaiser Permanente Medical Care Program
2002-2005	Investigator Development Committee	Kaiser Division of Research
2003-2005	Clinical Informatics Research Network	Kaiser Permanente Medical Care Program
2003-2006	HealthConnect Evaluation Program, Consultant	Kaiser Permanente Medical Care Program
2003-	National Threat Assessment Clinical Workgroup	Kaiser Permanente Medical Care Program
2003-	National Benefits Product Development & Implementation Group, Consultant	Kaiser Permanente Medical Care Program
2003-	Programmer/Analyst Promotions Committee	Kaiser Division of Research
2004-2005	Development of a Research and Evaluation Framework for HPHC/Health Information Technology	Kaiser Permanente Medical Care Program
2005-2006	Definition of Organizational Priorities, Evidence Needs, and Research on Benefit Design for KP National	Kaiser Permanente Medical Care Program
2008-	Kaiser Permanente Emergency Medicine Research Network, Founding Member	Kaiser Permanente Medical Care Program
2008-	Kaiser Permanente Charitable Coverage Evaluation Committee	Kaiser Permanente Medical Care Program
2009-	Kaiser Permanente Northern California	Kaiser Permanente Medical Care Program

Population Surveillance Committee

Regional

National and International

2003-	Advisory Board	Veterans Administration Clinical Care Evaluation Study
2004-	Advisory Board	National Bioterrorism Syndromic Surveillance Demonstration Project
2006-2007-	Scientific Committee Conference Organizing Committee	International Health Economics Association Health Care Quality and Outcomes Conference (HCQO)
	2007	Chair and Host
2007-2009	Working Group	Center for Medical Technology Policy
2007-2009	Health Economics Interest Group Steering Committee	AcademyHealth
2008	New Investigator Award Selection Committee	International Society for Pharmacoeconomics and Outcomes Research (ISPOR)
2008	Avedis Donabedian Outcomes Research Lifetime Achievement Selection Committee	International Society for Pharmacoeconomics and Outcomes Research (ISPOR)

Professional Societies

1997	American College of Physicians (ACP)	
1998	Society of Medical Decision Making (SMDM)	
	2007	Technology Assessment Working Group
1998-	Society of General Internal Medicine	
	2006	Member, Health Policy Abstract Review Committee
	2007	Chair, Health Policy Abstract Review Committee
	2009	Co-Chair, Health Policy Abstract Review Committee
2000	Academy for Health Services Research and Health Policy, AcademyHealth	
2000-	AcademyHealth Annual Research Meeting	
	2005	Member, Abstract Review Committee
	2008	Member, Quality Abstract Review Committee

2004-	International Health Economics Association (IHEA)	
	2007, 2009	Member, Abstract Review Committee
2005	American Society of Health Economists (ASHE)	
2005-	International Society for Pharmacoeconomics and Outcomes Research (ISPOR)	
	2007	Member, Employer/Insurer Working Group
2006	American Medical Informatics Association	
	2005	Session Facilitator
	2006	Member, Abstract Review Committee
2006	International Society of Pharmacoepidemiology (ISPE)	
2006	American Public Health Association (APHA)	

Grant Review Activities

2001-2004	Health Care Technology and Decision Science	Agency for Healthcare Research and Quality
	2001-2004	Standing Member
2004	Grant Reviews	Center for Health Management Research
2006	NHLBI, Heart Failure Network	National Institutes of Health
	2006	Ad hoc Member
2006	Changes in Health Care Finance and Organization Program	Robert Wood Johnson Foundation
	2006	Ad hoc Member
2007	Health Information Technology Program	East Bay Community Foundation
	2007	Ad hoc Member
2007, 2009	Life Sciences Discovery Fund	American Association for the Advancement of Science (AAAS)
	2007, 2009	Ad hoc Member
2007, 2008, 2009	Health Services Organization and Delivery (HSOD)	NIH
	2007, 2008, 2009	Ad hoc Member
2009	Health Care Research and Training (HCRT) Scientific Review Committee	Agency for Healthcare Research and Quality
	2009	Ad hoc Member

Editorial Activities

2008 – Present	Health Affairs
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2007 – Present	International Journal of Health Care Finance & Economics
2007 – Present	Health Policy
2006 – Present	Health Services Research
2006 – Present	New England Journal of Medicine
2004 – Present	American Journal of Managed Care
2004 – Present	International Journal for Quality in Health Care
2004 – Present	Annals of Family Medicine
2003 – Present	Medical Care
2000 – Present	Journal of General Internal Medicine
2000 – Present	Journal of the American Medical Association
1999 – Present	Annals of Internal Medicine

Honors and Prizes

1990	Watson Scholarship	IBM	College Scholarship
1992	Short Term Research Fellowship	National Institutes of Health	
1994	Cancer Research and Education Grant Fellowship	School of Medicine	University of Pennsylvania
1995	Penn Med Scholar	School of Medicine	University of Pennsylvania
1995	Clinical Investigator Pathway	Department of Medicine	University of Pennsylvania
1997	William Osler Society of Fellows in Medicine	School of Medicine	University of Pennsylvania
1997	National Research Service Award Fellowship	School of Medicine	University of Pennsylvania
2003	Outstanding Abstract Award	AcademyHealth Annual Research Meeting	Top abstract in the category
2003	Genentech Top Abstract Award	Bay Area Clinical Research Symposium	Top abstract of the conference for a senior investigator
2003	Top Scored Grant Application (R01)	Agency for Healthcare Research and Quality	
2004	Outstanding Abstract Award	AcademyHealth Annual Research Meeting	Top abstract in the category
2004	Genentech Top Abstract Award	Bay Area Clinical Research Symposium	Top abstract of the conference for a senior investigator
2005	Outstanding Abstract Award	AcademyHealth Annual Research Meeting	Top abstract in the category

2006	Editor's Choice for Best Articles	Journal of General Internal Medicine	One of the top articles in 2006 as chosen by JGIM editors
2007	Article-of-the-Year Award	Unintended Consequences of Caps on Medicare Drugs Benefit, New England Journal of Medicine 2006	AcademyHealth
2007	Research Excellence Award for Practical Application Excellence (Article-of-the-Year Award)	Unintended Consequences of Caps on Medicare Drugs Benefit, New England Journal of Medicine 2006	International Society for Pharmacoeconomics and Outcomes (ISPOR)
2008	AcademyHealth Annual Meeting Best Abstract	AcademyHealth Annual Research Meeting	One of the top three abstracts in 2008

Report of Funded and Unfunded Projects

Funding Information

Past

2004 – 2006
Completed Methods for Developing Actionable Evidence for Consumers of Health Services Research (MATCH Study): Closing the Gap Between Organizational Decision-Makers and Researchers

Agency for Healthcare Research and Quality
[Completed]
\$300K
Principal Investigator

The goals of this study were to identify methods to improve and speed the transfer of research findings into clinical practice by helping organizational decision-makers define, characterize, and use evidence when making strategic decisions. Specific focus was on relevant evidence with respect to the adoption and use of health information technology.

2004 – 2009 Impact of Health Information Technology on Clinical Care
Agency for Healthcare Research and Quality [R01 HS015280-01]
\$1.5M
Principal Investigator

The goals of this study are to evaluate the effects of ambulatory HIT on quality, safety, and resource use between 2004–2007, using a quasi-experimental pre-post design with concurrent controls, within a large, integrated health delivery system.

- 2004 – 2005 The Impact of Consumer Driven Health Products on People With Chronic Diseases
Kaiser Family Foundation
\$110K
Principal Investigator
- The goal of this study was to simulate patient out-of-pocket costs associated with a range of consumer-driven health products.
- 2003 –2007 Prescription Drug Cost-sharing: Effects on Affordability and Patient Safety (PCAPS Study)
Agency for Healthcare Research and Quality [R01 HS013902-01]
\$1.83M
Principal Investigator [0.9% rank – top R01 grant of cycle]
- The goals of this study were to assess the clinical and economic ramifications of prescription drug cost-sharing in an ongoing natural experiment in a large integrated delivery system.
- 2001 – 2004 Safety and Financial Ramifications of ED Copayments (SAFE Study)
Agency for Healthcare Research and Quality [R01 HS011434-01]
\$627K
Principal Investigator [3.9% rank]
- The goals of this study were to assess the impact of ED copayments on patient clinical outcomes and treatment costs, within a large, well-defined patient population experiencing a sizable change in ED copayment levels.
- 2002 – 2004 Electronic Communication in Integrated Delivery Systems
Completed (E-Comm Study)
Agency for Healthcare Research and Quality
\$200K
Principal Investigator
- The goals of this study were to assess the experiences of integrated delivery systems with developing electronic communication functionality for patients, and to quantify the changes in access to and use of electronic communication over time among patients in a single integrated delivery system.
- 2000-2005 Promoting Effective Communication and Decision-Making
Completed Agency for Healthcare Research and Quality
Co-Investigator [Washington, PI]
- The goal of this study was to delineate the elements of communication, expectations, values, and interpersonal relationships that characterize the delivery, use, and outcomes

of health care services for patients of different races/ethnicities.

2000 –2003
Completed Center for Education and Research in Therapeutics
Agency for Healthcare Research and Quality
Co-Investigator [Platt, PI]

The goals of this study were to develop the necessary infrastructure to assess and improve the use of therapeutics, and to evaluate the impact of cost-sharing on the use of prescription drugs in patients with diabetes.

Present

2009 –2013 Impact Of Medicare Part D On Cancer And Diabetes Disparities Among Dual Enrollees
National Institute on Aging [R01AG032249]
Co-Investigator [Adams, PI]

The goals of this study are to examine the impact of Medicare Part D coverage policies on disparities in medication use and related health outcomes.

2009 –2013 Drug Cost Containment Changes And Quality Of Care For Mentally Ill Dual Enrollees
Agency for Healthcare Research and Quality [R01HS018577]
Co-Investigator [Soumerai, PI]

The goals of this study are to analyze the impact of the Medicare Part D program separately in four large and geographically diverse states: two that placed caps on the number of prescriptions and had relatively higher copayments between 2004 and 2007 (South Carolina: limit of four prescriptions per month; California: limit of six per month), and two that had no caps and relatively lower copayments during the same period (Missouri, New Jersey).

2009 –2014 The Role of Private Plans in Medicare
National Institute on Aging [P01AG032952]
\$1.98M
Site PI, Co-Investigator [Newhouse, PI]

The goals of this study are to undertake a fundamental examination of the theoretical and empirical underpinnings of Medicare Part C, or Medicare Advantage (MA) from a framework grounded in economic theory.

2008 –2009 Medicare Part D Risk Adjustment
MedPAC
\$100K

Principal Investigator

The goals of this study are to examine the performance of Present risk adjustment approaches for Medicare Part D (RxHCC) and for Medicare Advantage (CMS-HCC), and to examine the effect on performance of adding information on outpatient prescription drug use (Part D).

2008 –2009 Medicare Private Drug Plans Study
Commonwealth Fund
\$330K
Principal Investigator

The goals of this study are to examine the early experience of several types of Medicare Part D private prescription plans including both stand-alone prescription drug plans (PDP) and Medicare Advantage prescription plans (MAPD).

2007 – 2010 Medicare Prescription Drug Study
National Institute on Aging [R01 AG029316]
\$1.8M
Principal Investigator

The goals of this study are to assess the clinical and economic effects of two new Medicare Part D prescription plans in an ongoing natural experiment within a large integrated delivery system.

2005 – 2009 High Deductible Health Plans Study
Commonwealth Fund
\$550K
Principal Investigator

The goal of this study is to examine the early clinical and economic impacts of health insurance plans with high patient deductibles.

2007 – 2009 Biosense
Centers for Disease Control and Prevention
\$430K [KPNC component]
Site PI, Co-Investigator [Kuldorff, PI]

The goal of this study is to refine approaches for using multiple types of automated clinical data that could apply to the CDC Biosense project.

2006 – 2011 Models of Infectious Disease Activity Study (MIDAS)
National Institute of General Medical Sciences
\$3M

Site PI, Co-Investigator [Platt, PI]

The goal of this study is to develop methods for using automated clinical data to detect and monitor infectious disease outbreaks.

2007 – 2010 Information Feedback for Treatment Intensification and Outcomes
Agency for Healthcare Research and Quality [R18 HS017031]
\$333K
Co-Investigator [Selby, PI]

This study is designed to assess whether the use of systematic feedback on the need for treatment intensification in patients with poor control of CVD risk factors improves risk factor control. Using a cluster randomized trial design, this project will leverage health information technology, including Kaiser Permanente’s electronic health record and advanced population management software tools, to create and deliver this information for patients at high CVD risk.

Report of Local Teaching and Training

Teaching of Students in Courses

2009	PhD Health Services Research Seminar	University of California, Berkeley
2009	PhD Grant Development Seminar	University of California, Berkeley
2007-	K12 Scholars Program	University of California, San Francisco
2004	Decision making course	University of California, San Francisco

Formal Teaching of Residents, Clinical Fellows and Research Fellows (post-docs)

2006-	Post-doctoral Fellow Seminars	PHL Institute for Health Policy, University of California, San Francisco
2000-	Training in Clinical Research	University of California, San Francisco

Formally Supervised Trainees

2008 –	Eric Becker	UCB PhD Candidate
2007 –	Kirby Lee, PhD	UCSF KL2 Fellow, Assistant Professor
2007 –	Abed Meer	Stanford MD Candidate
2006 –	Michaela Schiotz	University of Copenhagen, PhD Candidate
2004 –	Martin Strandberg-Larsen, PhD	University of Copenhagen, PhD Candidate
2006 –	Ilana Graetz	UCB PhD Student
2005 –	Nancy Benedetti	Stanford MD Candidate
2005 –	HuiHui Wang, PhD	World Bank economist
2002 –	Vicki Fung, PhD	DOR Staff Scientist
2002 –	Amin Matin, MD	Harvard/UCB Medical Student, Radiologist

2001 –	Angela Kuo	Harvard MPH Candidate
2001 –	Mary Reed, DrPH	DOR Staff Scientist

Local Invited Presentations

2002, 2003	Care Experience Council, Kaiser Permanente Medical Care Program
2002	Technology Experience Council, Kaiser Permanente Medical Care Program
2002	Inter-regional Clinician Patient Communication Group, Kaiser Permanente Medical Care Program
2003	SCPMG Physician-in-Chief’s Group, Kaiser Permanente Medical Care Program
2003	HPMG Board of Directors, Kaiser Permanente Medical Care Program
2003	Medical Center Grand Rounds, Kaiser Permanente Medical Care Program
2005	University of California, Berkeley, School of Public Health Seminar Series
2005	Stanford University, Health Services Research Seminar
2006	University of California, Berkeley, School of Public Health Seminar Series
2006	Epidemiology and Biostatistics Seminar, University of California, San Francisco
2006	Palo Alto Research Center, Health Information Technology Seminar
2007	Stanford University, Health Services Research Seminar
2007	University of California, Berkeley, School of Public Health Seminar Series
2008	UCSF Department of Family and Community Medicine Research Seminar
2008	UCSF Department of Pediatrics

Report of Regional, National and International Invited Teaching and Presentations

Invited Presentations and Courses

National

1995	Hsu J , Lanza DC, Kennedy DW, “Antimicrobial Resistance In Bacterial Chronic Sinusitis,” American Rhinologic Society at the Combined Otolaryngologic Spring Meetings (abstract).
1999	Hsu J , Asch D, Ubel P, "Comprehension Of Imprecise Medical Information: Context And Numeracy," Annual Meeting of the National Service Award / Health Services Research Society (abstract).
2000	Hsu J , Asch D, Ubel P, “Patient’s Comprehension of Imprecise Information,” Society of General Internal Medicine (abstract).
2000	Hsu J , Uratsu C, Truman A, Quesenberry C, McDonald K, Hlatky M, Selby J, “Functional Status after Hospitalization and Treatment for a Life-threatening Ventricular Arrhythmia,” Building Bridges Research Conference (abstract).
2000	Hsu J , Uratsu C, Truman A, Quesenberry C, McDonald K, Hlatky M, Selby J, “Functional Status after Hospitalization and Treatment for a Life-threatening Ventricular Arrhythmia,” HMO Research Network Conference (abstract).
2001	Hsu J , Schmittiel J, Fireman B, Krupat E, Thom D, Selby J, “Choice and Satisfaction in Managed Care,” AHSR Annual Conference (abstract).
2001	Vojta CL, Hsu J , Schwartz JS. “Barriers to Quality in Chronic Disease: Patient Perceptions of Risk,” AHSR Annual Conference (abstract).

- 2001 **Hsu J**, Schmittiel J, Fireman B, Krupat E, Thom D, Selby J, "Continuity and Satisfaction in Managed Care," SGIM Annual Conference (abstract).
- 2001 **Hsu J**, Schmittiel J, Fireman B, Selby J. "Choice and Satisfaction in Managed Care: Selection of a Primary Care Provider," Building Bridges Research Conference (abstract).
- 2002 **Hsu J**, Reed M, Brand R, Fireman B, Newhouse J, Selby J. "Emergency Department Cost-Sharing: Patient Awareness and Delayed Access," AHSR Conference (abstract).
- 2002 **Hsu J**, Irish J, Selby J, Krupat E. "Medical Decision Making: Attitude Match & Trust in the Provider," AAHP Building Bridges Conference (abstract).
- 2002 Price M, Brand R, Ray GT, Fireman B, Newhouse J, Selby J, **Hsu J**. "HMO Membership Patterns: Patient Characteristics and Implications for Benefit Structures and Resource Utilization," HMO Research Network Conference (abstract).
- 2003 Reed M, Fung V, Fireman B, **Hsu J**. "Medication Adherence and Financial Burden in an Insured Managed-Care Population" AHRQ/DIA Scientific Conference (abstract).
- 2003 **Hsu J**, Huang J, Brand R, Fireman B, Selby J. "Quality in Congestive Heart Failure: Beta-blocker Use and Adherence Levels" American Heart Association Annual Conference (abstract).
- 2003 **Hsu J**, Price M, Brand R, Fireman B, Ray T, Newhouse J, Selby J. "Ramifications Of Patient Cost-Sharing on Appendicitis Hospitalization Rates: Early Results From The Safety And Financial Ramifications Of ED Copayments (SAFE) Study" Bay Area Clinical Research Conference (abstract), Genentech Top Presentation Award.
- 2003 **Hsu J**, Huang J, Brand R, Fireman B, Selby J. "Drug adherence and clinical outcomes in CHF patients." Academy Health Annual Research Conference (abstract). Most Outstanding Abstract Award
- 2003 **Hsu J**, Price M, Brand R, Fireman B, Ray T, Newhouse J, Selby J. "Emergency department cost-sharing: clinical ramifications in patients with asthma." Academy Health Annual Research Conference (abstract).
- 2003 **Hsu J**, Huang J, Brand R, Fireman B, Selby J. "Quality in Chronic Disease Care: Angiotensin Drug Use and Adherence among CHF Patients" Bay Area Health Quality and Outcomes Research Conference (abstract).
- 2003 **Hsu J**, Reed M, Brand R, Fireman B, Newhouse J, Selby J. "Emergency Department Cost-Sharing in CHF: Preliminary Results from the SAFE Study," American College of Cardiology Conference (abstract).
- 2004 Kronick R, **Hsu J**, Claxton G. "Square Pegs and Round Holes: Consumer Directed Health Plans and Patients with Chronic Diseases," Academy Health conference (abstract).
- 2004 Fung V, Reed M, Fireman B, **Hsu J**. "e-Health Services (1999-2002): Mountains or Molehills?" Academy Health conference (abstract). Most Outstanding Abstract Award
- 2004 Miller R, Ortiz E, **Hsu J**. "Effective E-Health Use in Large Integrated Delivery Networks: Are We There Yet?" Academy Health conference (abstract).
- 2004 **Hsu J**, Fung V, Soumerai S, Simon S, Paez K, Simpkins J, Uratsu C, Lafata J, Selby J, Rundall T. "The Call for Prescribing Safety: Physician Responses and IT Solutions," AcademyHealth conference (abstract).
- 2004 Fung V, Reed M, Fireman B, **Hsu J**. "Use of e-Health Services in Integrated Delivery Systems" HMORN Annual Conference (abstract).

- 2004 Huang J, Price M, Brand R, Fireman B, Hui R, Newhouse J, Selby J, **Hsu J**. "Medicare and Prescription Drug Benefit Caps: Impact on Patient Out-of-Pocket Costs and Drug Consumption" HMORN Annual Conference (abstract).
- 2004 Fung V, Reed M, Fireman B, **Hsu J**. "Out-of-Pocket Prescription Drug Costs for Medicare Enrollees" AHRQ/DIA Scientific Conference (abstract).
- 2005 **Hsu J**, Huang J, Price M, Fung V, Fireman B, Brand R, Newhouse J, Selby J. "Prescription Drugs and Annual Benefit Caps – Do Patients Anticipate Exceeding the Cap?" ISPOR EC (abstract).
- 2005 **Hsu J**, Price M, Brand R, Newhouse JP, Selby JV. "Cost-sharing for Emergency Department (ED) Care – Economic Implications of ED Copayments," International Health Economics Association Meeting (abstract).
- 2005 **Hsu J**, Huang J, Price M, Fung V, Brand R, Fireman B, Hui R, Newhouse JP, Selby JV. "Prescription Drug Cost-sharing – Unintended Adverse Clinical Effects of Benefit Caps," International Health Economics Association Meeting (abstract).
- 2005 **Hsu J**, Price M, Fireman B, Brand R, Hui R, Newhouse J, Selby J. "Prescription Drug Benefit Caps – Economic Implications." Academy Health Annual Research Meeting (abstract).
- 2005 Reed M, Brand R, Newhouse J, Selby J, **Hsu J**. "Prescription Drug Benefit Caps and Drug Adherence: Quitting When the Money Runs Out." Academy Health Annual Research Meeting (abstract).
- 2005 Price M, Brand R, Newhouse J, Selby J, **Hsu J**. "Copayments and Emergency Departments: Effective Incentives or Effects Unintended?" Academy Health Annual Research Meeting (abstract). Most Outstanding Abstract Award.
- 2005 **Hsu J**, Huang J, Price M, Brand R, Fung V, Fireman B, Hui R, Newhouse JP, Selby JV, "Prescription Drug Cost-sharing and Anticoagulant Drug Use – Unintended Effects of Thinner Benefits." International Society for Pharmacoeconomics (ISPOR) Annual Conference (abstract).
- 2005 Fung V, Huang J, Brand R, Fireman B, Hui R, Newhouse JP, Selby JV, **Hsu J**, "Adherence to Blood Pressure Medication in a Hypertensive Medicare Population." HMORN Annual Conference (abstract)
- 2005 Gunter MJ, Elston-Lafata J, Selby JV, Platt R, **Hsu J**, Soumerai S, Simon SR, Rundall T, Uratsu C, Simpkins J, Schultz L, Faculjak P, Krajenta R, "Evaluation of Physician Group Academic Detailing as a Method to Increase Laboratory Monitoring." HMORN Annual Conference (abstract).
- 2005 **Hsu J**, Huang J, Price M, Fung V, Brand R, Fireman B, Hui R, Newhouse JP, Selby JV. "Paying for Prescription Drugs: Impact of a Benefit Cap in Hypertensive Patients with Medicare Insurance," Annual AAHP Building Bridges Conference (abstract).
- 2005 **Hsu J**, Huang J, Brand R, Fireman B, Hui R, Newhouse JP, Selby JV. "Drug Cost-sharing Policies: Adverse Effects in Medicare Patients Taking Statins," Annual American College of Cardiology Conference (abstract).
- 2005 **Hsu J**, Huang J, Brand R, Hui R, Fireman B, Newhouse J, Selby J. "Prescription Drug Benefit Caps in a Diabetic Medicare Population: Adverse Clinical Effects of Limited Coverage," Bay Area Clinical Research Conference (abstract), Genentech Top Presentation Award.

- 2005 **Hsu J**, Frankel R. "Health Information Technology at the Point-of-Care: Impact on Clinician-Patient Communication," Karolinska Institute Nobel Forum Health Management Conference (abstract).
- 2005 **Hsu J**, Huang J, Brand R, Fireman B, Newhouse J, Selby J. "Drug Therapy in CHF Patients: Association between BB Adherence and Health Outcomes," AHA Scientific Forum on Quality of Care and Outcomes Research in Cardiovascular Disease and Stroke (abstract).
- 2005 **Hsu J** Huang J, Frankel R. "Decision-Making in Ambulatory Care." European Society of Medical Decision Making Annual Conference, June 2004.
- 2005 **Hsu J**, Price M, Brand R, Fireman B, Ray T, Newhouse J, Selby J. "Cost-Sharing on Emergency Care: Is it Safe? Results From The Safety And Financial Ramifications Of ED Copayments (SAFE) Study," Academy Health conference (abstract).
- 2005 Price M, Brand R, Fireman B, Newhouse J, Selby J, **Hsu J**. "Influencing Demand While Controlling Supply: The Impact of Office Copayments in a Prepaid, Integrated Delivery Environment," Academy Health conference (abstract).
- 2005 Reed M, Fung V, Fireman B, **Hsu J**. "Self-reported Effects of Prescription Drug Cost-sharing: decreased Adherence and Increased Financial Burden," Academy Health conference, (abstract). Most Outstanding Abstract Award.
- 2006 Benedetti N, Fung V, Reed R, Brand R, Newhouse J, **Hsu J**. "Cost-sharing for Doctor's Office Visits: Patient Knowledge, Behavioral Responses, and Cost Discussions with Providers," Bay Area Clinical Research Conference (abstract). Finalist for Best Presentation by a Junior Researcher.
- 2006 Yih WK, Abrams A, **Hsu J**, Kleinman K, Kuldorff M, Platt R. A Comparison of Ambulatory Care and Emergency Department Encounters as Data Sources for Detection of Clusters of Lower Gastrointestinal Illness. International Society for Disease Surveillance 2006 and Advances in Disease Surveillance (abstract); 1: 75. [published abstract]
- 2006 Selby J, Fung V, Price M, Brand R, Newhouse J, **Hsu J**. "New Benefit Plans: Implications for Employers" IBI/NBGM Joint Forum.
- 2006 Yih WK, Daniel J, Helsey-Grove D, **Hsu J**, Nordin K, Ritzwoller D, Sherwood E, Platt R. Assessing the Impact of Syndromic Surveillance Systems on Routine Public Health Practice. Identifying and Evaluating Syndromic Signals. International Society for Disease Surveillance 2006 and Advances in Disease Surveillance (abstract); 1: 74. [published abstract]
- 2006 **Hsu J**. "Knowing What You Are Paying For: Benefit Design in Changing Market," AcademyHealth Annual Research Meeting. Selected for KFF Webcast. One of two sessions selected for reprint in HSR.
- 2006 Reed M, Brand R, Newhouse J, Selby J, **Hsu J**. "Deductible-based Cost-sharing: Informed Consumers or Increased Confusion?" AcademyHealth Annual Research Meeting (abstract).
- 2006 Price M, Brand R, Newhouse J, Selby J, **Hsu J**. "Emergency Department Visits: Is This the Right Place?" AcademyHealth Annual Research Meeting (abstract).
- 2007 Yih WK, Fuller C, Helsey-Grove D, **Hsu J**, Kruskal BA, Leach M, Nordin J, Patton-Levine J, Puga E, Sherwood E, Shui I, Platt R. Evaluating Syndromic Signals from Ambulatory Care Data in Four States. International Society for Disease Surveillance Conference, and

Advances in Disease Surveillance (abstract); 4: 210. [published abstract]

- 2007 **Hsu J.** Patient Cost-sharing Effects on ED Visits: Incentives and Alternatives. APHA. Selected for KFF Webcast.
- 2007 **Hsu J.** HIT Return on Investment: Evaluating Progress in a Sea of Change. AHRQ Annual Conference.
- 2007 **Hsu J.** Health Information Technology for Ambulatory Care: Decision Support. AHRQ Annual Conference.
- 2007 **Hsu J.** Mental Health Session Chair, IHEA, 2007.
- 2007 **Hsu J,** Price M, Huang J, Brand R, Fung V, Fireman B, Hui R, Newhouse J, Selby J. “Drug Benefit Restrictions: Economic Effects of Generic-only Coverage for Patients on Statin Drugs,” IHEA Conference, Copenhagen, 2007.
- 2007 Frolich A, Schiotz M, Strandberg-Larsen M, Krasnik A, **Hsu J,** Bellows J, Diderichsen F, Sogaard J, White K. “Comparison of the Danish Healthcare System with Kaiser Permanente,” IHEA Conference, Copenhagen.
- 2007 Fung, Price M, Brand R, Newhouse R, **Hsu J.** “Patient Cost-sharing Effects on Emergency Department Visits,” (abstract) HCQO5 Oral Presentation, Top Ranked Abstract
- 2007 **Hsu J.** Health Policy Session, Chair. SGIM Annual Meeting.
- 2007 **Hsu J,** Price M, Brand R, Fung V, Fireman B, Selby J, Newhouse J. “Patient Cost-sharing Effects on Emergency Department Visits: What Other Choices Do I Have?” APHA Conference.
- 2007 **Hsu J.** Article-of-the-Year Presentation. AcademyHealth Annual Research Meeting.
- 2007 **Hsu J.** Health Information Technology Panel. AcademyHealth Annual Research Meeting.
- 2007 **Hsu J,** Price M, Fung V, Brand R, Newhouse J. “Integrated Mental Health Care for a Price: Copayments and Emergency Visits with Psychiatric Diagnoses.” ICMPE Conference, Venice (abstract).
- 2007 Huang J, **Hsu J.** “Automated Medical Records and Quality of Care for Patients with Diabetes.” HMORN Annual Conference, Portland (abstract).
- 2007 Fung V, Huang J, Brand R, Fireman B, Newhouse J, Selby J, **Hsu J.** “Racial/Ethnic Disparities in Hypertension Medication Adherence and Blood Pressure Control.” HMORN Annual Conference, Portland (abstract).
- 2007 **Hsu J.** Presentation to Staff, Medicare Payment Advisory Committee
- 2007 **Hsu J.** Health Services Research Seminar, Centers for Medicare and Medicaid Services
- 2007 **Hsu J.** Health Services Research Seminar, University of California, Berkeley
- 2007 **Hsu J.** Health Services Research Seminar, Stanford University
- 2008 Brand R, Huang J, Kleinman K, Platt R, **Hsu J.** An Empirical Study of the Effect of Sentinel Sample Size in Syndromic Surveillance Using a Space-Time Permutation Method. International Syndromic Surveillance annual conference
- 2008 **Hsu J.** Care for Chronic Conditions – Bridging Clinicians, Settings, and Systems. ISQual
- 2008 **Hsu J.** Medicare Part D Drug Use and Costs. Centers for Medicare and Medicaid Services Part D Forum, June

- 2008 **Hsu J.** Chair. Critical Aspects of Hospital Quality. AcademyHealth ARM
- 2008 **Hsu J,** Huang J, Fung V, Brand R, Fireman B, Hui R, Bertko J, Newhouse J. Spending \$800 Billion on Outpatient Prescription Drugs: An Early Assessment of the Part D Risk Adjustment Approach for Paying Private Part D Plans. AcademyHealth ARM (abstract).
- 2008 Reed M, Price M, Brand R, Derose S, Newhouse J, **Hsu J.** Deductible-based Health Insurance Plans: Little Knowledge But Much Change. AcademyHealth ARM (abstract). Selected as ARM 2008 Best Abstracts (one of three top abstracts among all submissions).
- 2008 Huang J, Brand R, Kleinman, Platt R, **Hsu J.** Identifying Unusual Clusters of Acute Respiratory Illness: Does Adding More Hay to the Stack Change the Number of Needles? AcademyHealth ARM (abstract).
- 2008 Graetz I, Reed M, Brand R, Rundall T, **Hsu J.** Care Coordination Across Clinicians and Health Information Technology: Connecting the Medical Home with the Rest of the Village. AcademyHealth ARM (abstract).
- 2008 Wang W, Huang J, Fung V, **Hsu J.** The Effects of Differential Copayments on Oral Antidiabetic Drug Use and Expenditures: A Natural Experiment (2001-2005). AcademyHealth ARM (abstract).
- 2008 Fung V, Price M, **Hsu J.** The Medicare Part D Program: Are Beneficiaries Talking About Prescription Drug Costs with Doctors or Pharmacists? AcademyHealth ARM (abstract).
- 2008 Price M, Fung V, Fireman B, Hui R, Brand R, Newhouse J, **Hsu J.** "Navigating the Medicare Part D Program: Beneficiary Confusion and Satisfaction." AcademyHealth ARM (abstract).
- 2008 Frolich A, Schiotz ML, Strandberg-Larsen M, Krasnik A, **Hsu J,** Bellows J, Sogaard J, White K. Learning from a Comparison of Apples and Oranges: Health Care in Denmark and Kaiser Permanente California. AcademyHealth ARM (abstract).
- 2008 Schiotz ML, Strandberg-Larsen M, Frolich A, Krasnik A, Bellows J, Kristensen JK, Vedsted P, Guidberg TL, Vagner H, Eskildsen P, Bech-Neilsen H, Nielsen MB, **Hsu J.** Access to and Disparities in Use of Self-Management Support in the Treatment of Diabetes. AcademyHealth ARM (abstract).
- 2008 Fung V, Huang J, **Hsu J.** The Effects of Generic-Only Drug Coverage on Inhaled Corticosteroid Expenditures and Drug Use Among Medicare Beneficiaries with Asthma. ASHE Conference (abstract).
- 2008 Costa MA, Kuldorff M, Kleinman K, Yih K, Platt R, Brand R, **Hsu J.** Comparing the Utility of Ambulatory Care and Emergency Room Data for Disease Outbreak Detection. International Society for Disease Surveillance Conference, (abstract) and Advances in Disease Surveillance 2007; 4: 243. [published abstract]
- 2008 **Hsu J.** Evaluation of the Part D Risk Adjustment Approach. Medicare Payment Advisory Committee
- 2008 **Hsu J.** Preliminary Findings from the Medicare Part D Program. Centers for Medicare and Medicaid Services, Part D Symposium
- 2008 **Hsu J.** Health Information Technology and Care Coordination. CCS-HIT Conference
- 2009 **Hsu J,** Huang J, Fung V, Brand R, Dow W, Newhouse KP. Perverse Incentives in the Medicare Part D Prescription Drug Plan Market. AcademyHealth Annual Research Meeting (abstract).

- 2009 Wang H, Dow W, Huang J, Fung V, Price M, Brand R, Fireman B, Hui R, Newhouse JP, **Hsu J**. Cost-sharing Effects Among the Near-Poor in the Medicare Prescription Drug Program. International Health Economics Association Conference (abstract).
- 2009 Huang J, Brand R, Fung V, Dow W, Hui R, Fireman B, Newhouse KP, **Hsu J**. Estimating SES Gradients in Large Database Studies: Importance of Geographic Heterogeneity. International Health Economics Association Conference (abstract).
- 2009 Fung V, **Hsu J**. Do Medicare Part D Beneficiaries Anticipate Reaching the Coverage Gap? Knowledge of and Responses to Gap Proximity. International Health Economics Association Conference (abstract).
- 2009 **Hsu J**, Huang J, Fung V, Price M, Brand R, Dow W, Fireman B, Hui R, Bertko J, Newhouse JP. Prospective Payments for Medicare Drug Benefits – Risk Adjustment Performance and Perverse Market Incentives. International Health Economics Association Conference (abstract).
- 2009 Price M, Huang J, Brand R, Fung V, Fireman B, Hui R, Newhouse JP, **Hsu J**. The Effect of Drug Coverage Limitations on Medicare Beneficiaries Using Antidepressants. International Health Economics Association Conference (abstract).
- 2009 Schiotz M, Price M, Frolich A, Sogaard J, Ross M, **Hsu J**. Resource Use for Chronic Condition Management: Substantial Differences Between the Danish and Kaiser Health Systems. International Health Economics Association Conference (abstract).
- 2009 Greene S, Huang J, Brand R, Kleinman K, Kuldorff M, Platt R, **Hsu J**. Early detection of influenza outbreaks in northern California with patient care, prescription, and laboratory data streams. CDC Symposium on Statistical Methods (abstract).
- 2009 **Hsu J**, Price M, Fung V. Prescription Drug Cost-sharing and Antipsychotic Drug Treatment – Unintended Clinical Consequences. World Psychiatric Association annual conference (abstract).
- 2009 **Hsu J**. Chair. Session on New Research Session. World Psychiatric Association annual research conference.
- 2009 **Hsu J**, Price M, Fung V. Antipsychotic Drug Use and Adherence – Treatment for the Elderly Under the Medicare Part D Program. International Conference on Mental Health Policy and Economics (abstract).
- 2009 Fung V, **Hsu J**. Self-Reported Responses to Medicare Part D Prescription Drug Costs Among Beneficiaries with Antidepressant Use. International Conference on Mental Health Policy and Economics (abstract).
- 2009 **Hsu J**. Chair. Health Policy. Society for General Internal Medicine Annual Conference
- 2009 **Hsu J**, Price M, Fung V, Brand R, Newhouse J. Prescription Drug Formularies And Coverage: Does A Drug By Any Other Name Smell As Sweet? ISPOR European Congress.
- 2009 Green S, Huang J, Brand R, Kleinman K, Kuldorff M, **Hsu J**, Platt R. Timely Detection of Localized Excess Influenza Activity across Multiple Data Streams. International Society for Disease Surveillance.
- 2009 **Hsu J**, Green S, Huang J, Brand R, Kleinman K, Kuldorff M, Platt R. Patterns of Medical Care for Patients with Influenza-Like Illness. International Society for Disease Surveillance.

International

2010	Invited Keynote Speaker, Norwegian Health Economics Conference
2010	Invited Presentation on Care Coordination, Danish Ministry of Health
2009	Invited Presentation, Copenhagen School of Business
2009	Invited Presentation, Danish Institute for Health Services Research
2009	Invited Presentation, Unintended Consequences of Drug Benefit Changes, Taiwan National Bureau of Insurance
2009	Invited Presentation on Care Coordination, Norwegian Health Minister
2008	Invited Presentation on Health Services Research, UK National Primary Care Research and Development Centre (NPCRDC) at The University of Manchester
2008	Invited Presentation on Chronic Disease Care, National Board of Health, Denmark
2008	Invited Presentation on Integrated Cancer Care, National Cancer Society, Denmark
2007	Invited Presentation on Health Information Technology, University of Copenhagen, School of Public Health
2006	Invited Presentation on Clinical Effects of Health Information Technology, Helsinki TEKES/FINWELL
2006	Invited Presentation on Opportunities in Health Information Technology, CITRIS in Europe

Report of Clinical Activities and Innovations

Present Licensure and Certification

1999-	State of California Medical License
1999-	Drug Enforcement Agency License
1998	Board Certified, American Board of Internal Medicine

Report of Scholarship

Publications

Peer reviewed publications in print or other media

Research Investigations:

1. **Hsu J**, Lanza DC, Kennedy DW, "Antimicrobial Resistance In Bacterial Chronic Sinusitis," American Journal of Rhinology 1998; 12(4): 243-8.
2. **Hsu J**, Uratsu C, Truman A, Quesenberry C, McDonald KM, Hlatky MA, Selby J. "Life after a ventricular arrhythmia," American Heart Journal 2002; 144: 404-12.
3. Sittig DF, Hazelhurst BL, Palen T, **Hsu J**, Jimison H, Hornbrook MC. "A Clinical Information System Research Landscape," Permanente Journal 2002; 6; 62-68.
4. Sittig DF, Hazelhurst BL, Palen T, **Hsu J**, Jimison H, Hornbrook MC. "A Clinical Information System Research Agenda for Kaiser Permanente," Permanente Journal 2002; 6; 41-44.
5. **Hsu J**, Schmittiel J, Fireman B, Krupat E, Thom D, Selby J, "Improving Patient Choice of a Primary Care Provider: A Randomized Controlled Trial," Journal of General Internal Medicine 2003; 18: 319-25.

6. **Hsu J**, Reed M, Brand R, Fireman B, Newhouse J, Selby J. "Cost-Sharing: Patient Awareness and Delayed Care," *Medical Care* 2004; 42(3): 290-296.
7. Krupat E, **Hsu J**, Irish J, Schmittiel JA, Selby J. "Matching patients and practitioners based on beliefs about care: results of a randomized controlled trial," *American Journal of Managed Care* 2004 Nov;10(11 Pt 1):814-22.
8. Rundall T, Fung V, Soumerai S, Simon S, Paez K, Simpkins J, Uratsu C, Lafata J, Selby J, **Hsu J**. "Ambulatory Care Prescribing Safety: Physician Perceptions," Publication in AHRQ/DoD Patient Safety. Feb 2005.
9. **Hsu J**, Huang J, Kinsman J, Fireman B, Miller R, Selby J, Ortiz E. "Use of e-Health services between 1999 and 2002: a growing digital divide," *Journal of the American Medical Informatics Association* 2005 Mar-Apr;12(2):164-71. Epub 2004 Nov 23.
10. Reed M, Fung V, Brand R, Fireman B, Newhouse JP, Selby JV, **Hsu J**. "Care-seeking behavior in response to emergency department copayments," *Medical Care*. 2005 Aug;43(8):810-6.
11. **Hsu J**, Huang J, Fung V, Robertson N, Jimison H, Frankel R. "Health information technology and physician-patient interactions: impact of computers on communication during outpatient primary care visits," *Journal of the American Medical Informatics Association* 2005 Jul-Aug;12(4):474-80. Epub 2005 Mar 31.
12. Frankel R, Altschuler A, George S, Kinsman J, Jimison H, Robertson NR, **Hsu J**. "Effects of exam-room computing on clinician-patient communication: a longitudinal qualitative study," *Journal of General Internal Med*. 2005 Aug;20(8):677-82. Editor's Choice for Best of JGIM 2006.
13. Roblin DW, Platt R, Goodman MJ, **Hsu J**, Nelson WW, Smith DH, Andrade SE, Soumerai SB. "Effect of increased cost-sharing on oral hypoglycemic use in five managed care organizations: how much is too much?" *Medical Care*. 2005 Oct;43(10):951-9.
14. Scott JT, Rundall TG, Vogt TM, **Hsu J**. "Kaiser Permanente's experience of implementing an electronic medical record: a qualitative study," *British Medical Journal*. 2005; 331: 1313-16.
15. Frankel RM, Sung SH, **Hsu J**. "Patients, Doctors, and Videotape: A Prescription for Creating Optimal Healing Environments?" *J Altern Complement Med*. 2005;11(supplement 1):s31-s39.
16. Fung V, Ortiz E, Huang J, Fireman B, Miller R, Selby JV, **Hsu J**. "Early Experiences with e-Health Services (1999-2002): Promise, Reality, and Implications," *Medical Care* 2006; 44(5): 491-496.
17. **Hsu J**, Price M, Brand R, Ray T, Fireman B, Newhouse J, Selby J. "Safety of Cost-sharing for Emergency Care: Effects on Adverse Health Outcomes from the Safety and Financial Ramifications of ED Copayments Study (SAFE)," *Health Services Research* 2006; 41: 1801-20.
18. **Hsu J**, Price M, Huang J, Fung V, Brand R, Hui R, Fireman B, Newhouse J, Selby J. "Unintended Consequences of Caps on Medicare Drug Benefits," *New England Journal Of Medicine* 2006; 354: 2349-59.
19. Elston Lafata J, Gunter M, **Hsu J**, Katz S, Krajenta R, Platt R, Schultz L, Selby JV, Simon SR, Simpkins J, Soumerai SB, Uratsu C. "Academic Detailing to Improve Laboratory Testing among Outpatient Medication Users," *Medical Care*, 2007; 45: 966-972.

20. Fung V, Huang J, Brand R, Newhouse J, **Hsu J**. "Hypertension Treatment in a Medicare Population: Adherence and Systolic Blood Pressure Control," *Clinical Therapeutics*, 2007; 29 (5): 972-984.
21. Go A, Yang J, Gurwitz JH, **Hsu J**, Lane K, Platt R. "Comparative Effectiveness of Beta-adrenergic Antagonists on the Risk of Rehospitalization in Adults with Heart Failure," *American Journal of Cardiology* 2007; 100: 690-696.
22. Rundall T, Martelli P, Arroyo L, McCurdy R, Graetz I, Neuwirth E, Curtis P, SM, **Hsu J**. "The Informed Decisions Toolbox: Tools for Pushing Back the Boundaries of Rationality." *Journal of Healthcare Management*, 2007; 52: 325-341.
23. Reed M, Brand R, Newhouse JP, Selby JV, **Hsu J**. "Coping with Prescription Drug Cost-sharing: Knowledge, Adherence, and Financial Burden," *Health Services Research* 2008; 43: 785-797.
24. Benedetti N, Fung B, Reed M, Price M, Brand R, Newhouse JP, **Hsu J**. "Office Visit Copayments: Patient Knowledge, Response, and Communication with Providers," *Medical Care* 2008; 46: 403-409.
25. **Hsu J**, Fung V, Price M, Huang J, Brand R, Hui R, Fireman B, Newhouse JP. "Medicare Beneficiaries' Knowledge of Part D Prescription Drug Program Benefits and Responses to Drug Costs," *Journal of the American Medical Association* 2008; 299: 1929-1936.
26. Ballard D, Reed M, Wang H, Arroyo L, Benedetti N, **Hsu J**. "Impact of Patient Costs and Requests on Emergency Physician Behavior," *Annals of Emergency Medicine* 2008; 52: 643-650.
27. Go A, Yang J, Gurwitz J, **Hsu J**, Lane, K, Platt R. Comparative Effectiveness of Different β -adrenergic Antagonists on Mortality Among Adults with Heart Failure in Clinical Practice. *Archives of Internal Medicine* 2008; 168: 2415-2421.
28. Fung V, Tager IB, Brand R, Newhouse JP, **Hsu J**. The impact of generic-only drug benefits on patients' use of inhaled corticosteroids in a Medicare population with asthma. *BMC Health Services Research* 2008;8:151-60.
29. **Hsu J**, Huang J, Fung V, Price M, Brand R, Hui R, Fireman B, Bertko J, Newhouse JP. Distributing \$800 Billion: An Early Assessment of the Medicare Part D Risk Adjustment Approach. *Health Affairs* 2009; 28: 215-225.
30. Schmittiel J, Ettner S, Fung, Huang J, Turk N, Swain B, **Hsu J**, Mangione C. Entering and Exiting the Coverage Gap by Medicare Part D Beneficiaries with Diabetes. *American Journal of Managed Care* 2009 Mar;15(3):189-93.
31. Frolich A, Schiotz ML, Strandberg-Larsen M, **Hsu J**, Krasnik A, Diderichsen F, Bellows J, Soggard J, White K. Learning from a Comparison of Health Care in Denmark and in Kaiser Permanente. *BMC Health Services Research* 2008; 8: 252.
32. Bardach NS, Huang J, Brand RJ, **Hsu J**. Evolving health information technology and the timely availability of visit diagnoses from ambulatory visits: a natural experiment in an integrated delivery system. *BMC Medical Informatics and Decision Making* 2009 Jul 17;9:35.
33. Yih K, Deshpande S, Fuller C, Heisey-Grove D, **Hsu J**, Kruskal BA, Leach M, Nordin, Patton-Levine J, Puga E, Sherwood E, Shui I, Platt R. Evaluating Real-Time Syndromic Surveillance Signals from Ambulatory Care Data in Four States. *Public Health Reports* in press.

34. Reed M, Price M, Brand R, Benedetti, Derosé SF, Newhouse JP, **Hsu J**. Deductible-based Health Insurance: Sharpening a Blunt Instrument. *Health Affairs* 2009 Jul-Aug;28(4):1145-54.
35. Ballard D, Price M, Fung V, Brand R, Reed ME, Fireman B, Newhouse JP, **Hsu J**. Validation of an Algorithm for Categorizing the Severity of Hospital Emergency Department Visits. *Medical Care* in press.
36. Selby JV, Schmittdiel JA, Lee J, Fung V, Smider N, Thomas S, Crosson FJ, **Hsu J**, Fireman B. What Does Variation in Quality Tell Us About Improving Quality? *Medical Care* in press.
37. Graetz I, Reed M, Rundall T, Bellows J, Brand J, **Hsu J**. Care Coordination and Electronic Health Records: Connecting Clinicians. *Proceedings of the American Medical Informatics Association Annual Symposium* in press.
38. Fung V, Sinclair F, Wang H, Dailey D, Hsu J, Shaber R. "Patient Perspectives of Non-Adherence to Statin Therapy: A Focus Group Study." *Permanente Journal*, In press.
39. Fung V, Mangione CM, Huang J, Turk N, Quiter ES, Schmittdiel JA, Hsu J. Falling into the Coverage Gap: Part D Drug Costs and Adherence for Medicare Advantage Prescription Drug Plan Beneficiaries with Diabetes. *Health Services Research* in press.
40. Reed ME, Benedetti N, Brand R, Newhouse JP, Hsu J. Perspectives from Deductible Plan Enrollees: Plan Knowledge and Anticipated Care-seeking Changes. *BMC Health Services Research* in press.

Other peer-reviewed publications:

1. Shortell SM, Rundall TG, **Hsu J**. "Improving Patient Care by Linking Evidence-Based Medicine and Evidence-Based Management," *Journal of the American Medical Association* 2007; 298: 673-676.
2. Fung V, Schmittdiel J, Fireman B, Meer A, Thomas S, Smider N, **Hsu J**, Selby JV. Meaningful Variation in Performance: A Systematic Literature Review. *Medical Care* in press.

Non-peer reviewed scientific or medical publications/materials in print or other media

1. **Hsu J**, "Rating The Appropriateness Of Coronary Angiography," [letter to the editor], *New England Journal of Medicine* 1998; 39(20): 1479.
2. **Hsu J**, "Corporate Gifts To Academic Researchers," [letter to the editor], *Journal of the American Medical Association* 1998; 280(10): 883.
3. **Hsu J**, Go A, Selby J. "Overuse of Administrative Data to Measure Underuse Of Care," [letter to the editor], *Journal of the American Medical Association*, 2001; 285(6): 735.
4. **Hsu J**, Go AS, Selby J. "Factors affecting patients' self-referral to specialists," [letter to the editor] *Journal of the American Medical Association* 2001; 286: 672-3.
5. **Hsu J**, Reed M. "Financial Consequences of Drug Benefit Plans," [letter to the editor] *Journal of the American Medical Association* 2003; 289: 423.
6. Scott T, Rundall TG, Vogt TM, **Hsu J**. *Implementing an Electronic Medical Record System: Successes, Failures, Lessons*. Radcliffe Publishing, Seattle, 2007.

7. Rundall TG, Martelli P, McCurdy R, Graetz I, Arroyo L, Neuwirth EB, Curtis P, Schmittiel J, Gibson M, **Hsu J**. "Using Evidence When Making Decisions: Views of Health Services Managers and Policy Makers." In Kovner A, D'Aquila, and Fine D (eds). The Practice of Evidence-based Management. Health Administration Press, Chicago, 2008.

Abstracts, Poster Presentations and Exhibits Presented at Professional Meetings

1. Fung V, Brand R, Newhouse J, Hsu J. "Loss of Brand-Name Drug Coverage: Inhaled Steroid Use by Medicare Beneficiaries with Asthma." AcademyHealth Annual Research Meeting 2006.
2. Benedetti N, Fung V, Reed R, Brand R, Newhouse J, Hsu J. "Patient Knowledge of Deductible Health Plans and the Effect of Deductibles on Health Care Utilization." HMORN Annual Conference, 2007
3. Fung V, Huang J, Brand R, Fireman B, Newhouse J, Selby J, Hsu J. "Racial/Ethnic Disparities in Hypertension Medication Adherence and Blood Pressure Control." HMORN Annual Conference, Portland, 2007.
4. Graetz I, Fung V, Hsu J. "Electronic Communication with Patients: Who's Talking?" HMORN Annual Conference, Portland, 2007.
5. Arroyo L, Price M, Fung V, Benedetti N, Hsu J. "Deductible-based Health Plans: Health, Wealthy, and Wise... Or Not?" HMORN Annual Conference, Portland, 2007.
6. Wang H, Huang J, Fung V, Hsu J. "Switching to Generic Statins: A Natural Experiment." HMORN Annual Conference, Portland, 2007.
7. Brown J, Crown W, Harrold L, Zhang F, Hsu J, Herrinton L. "Use of Biologic Agents Among A Cohort of Rheumatoid Arthritis Patients." HMORN Annual Conference, Portland, 2007.
8. Huang J, Hsu J. "Automated Medical Records and Quality of Care for Patients with Diabetes." HMORN Annual Conference, Portland, 2007.
9. Fung V, Huang J, Brand R, Hsu J. "Racial/Ethnic Differences in Adherence to Hypertension Medication and Treatment Intensification and Blood Pressure Control in Medicare Enrollees." AcademyHealth Annual Research Meeting 2007.
10. Wang H, Huang J, Fung V, Hsu J. Diminishing Incentives: Drug Copayment Effects Over a Four Year Period. HMORN Conference 2008.
11. Fung V, Price M, Hsu J. Patient-provider Communication About Prescription Drug Costs Among Medicare Part D Beneficiaries. Presented at the HMORN Conference 2008.
12. Bardach N, Huang J, Brand R, Hsu J. "Clinical Data Quality and Health Information Technology: Is More Technology Associated with Better Data?" AcademyHealth ARM 2008.
13. Strandberg-Larsen M, Schiotz ML, Nielsen MB, Andersen JS, Graetz I, Reed M, Krasnik A, Bellows J, Rundall T, Frolich A, Hsu J. Facilitating Factors for Achieving Clinical Integration. AcademyHealth ARM 2008.
14. Price M, Fung V, Fireman B, Hui R, Brand R, Newhouse J, Hsu J. "Navigating the Medicare Part D Program: Beneficiary Confusion and Satisfaction." AcademyHealth ARM 2008.

Narrative Report (limit to 500 words)

I study innovations in health care financing and delivery, and their effects on medical quality and costs. As a physician with an MBA in health care finance and management and training as an internist and health services researcher, I apply both clinical and business perspectives to my research. Over the past decade, I have worked within an integrated delivery system, an excellent laboratory for studying payment and delivery system changes. I also formed close collaborations with health plan and medical group executives to inform my research and help implement changes based on the findings. To support this work, I founded the Center for Health Policy Studies. I also have taught and mentored numerous students and junior faculty at U.C. Berkeley's School of Public Health and UCSF's School of Medicine. My research activities occupy approximately 80 percent of my time, while my organizational, teaching, and mentoring efforts occupy the remaining 20 percent.

My research targets major policy questions for which empirical information can shape the solutions or narrow the options. For example, finding methods for reducing health care costs while maintaining quality is a persistent challenge; increasing patient cost-sharing has been one common approach. My 2006 NEJM article demonstrated that limiting prescription drug benefits with an annual drug benefit cap results not only in lower drug use and costs, but also poorer physiologic outcomes, higher unfavorable clinical event rates, and no reduction in total costs. In other words, there was a significant unintended effect on treatment adherence and clinical event rates, without having the intended effect of lowering costs. This was one of the first articles to demonstrate changes throughout the pathway from a financing policy to clinical outcomes and total costs, and won two article-of-the-year awards in 2007.

An example of my research on health care financing at the market level finds that within the Medicare Part D program, private plans have a strong incentive to increase their plan bids each year to avoid receiving an allocation of auto-assigned beneficiaries receiving a low income subsidy (LIS). This perverse incentive stems from erroneous assumptions underlying the risk adjustment and prospective payment structures, and helps explain the retreat of Part D plans from the LIS market, which has resulted in the forced re-assignment of millions of LIS beneficiaries. With the ongoing reform efforts in Massachusetts and nationally, there will be need for similar rigorous, empirical work examining changes in payment and delivery.

My studies have several common elements: 1) a multidisciplinary research team with methods and content experts; 2) collaborations with organizational decision-makers, e.g., Kaiser and Humana executives, and policy makers, e.g., MedPAC commissioners; 3) use of large datasets and natural experiments; and 4) focus on both clinical and behavioral economics perspectives in the study design. With my transition to the Institute for Health Policy, I look forward to many future collaborations with colleagues in Partners, MGH, IHP, and HMS, as well as to a talented pool of students and trainees, which have been critical to my team's success to date.