

Neeraj Sood

UNIVERSITY OF SOUTHERN CALIFORNIA
VPD, 635 DOWNEY WAY, LOS ANGELES, CA 90089
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EDUCATION:

- Ph.D., Policy Analysis, 2003, RAND Graduate School, Santa Monica, California
- Master of Arts in Economics, 1999, Indiana University Purdue University at Indianapolis, Indianapolis, Indiana
- Master of Arts in Economics, 1997, Delhi School of Economics, New Delhi, India
- Bachelor of Arts in Economics, 1994, Delhi University, New Delhi, India

PROFESSIONAL EXPERIENCE:

2015 - Present:	Associate Professor, Pharmaceutical Economics and Policy, Sol Price School of Public Policy, University of Southern California, Los Angeles, CA
2015 - Present:	Vice Dean for Research and Technology, Sol Price School of Public Policy, University of Southern California, Los Angeles, CA
2009 - Present:	Associate Professor, Pharmaceutical Economics and Policy, School of Pharmacy, University of Southern California, Los Angeles, CA
2013 - Present:	Director of Research, Schaeffer Center for Health Policy and Economics, University of Southern California, Los Angeles, CA
2009 - Present:	Director of International Programs, Schaeffer Center for Health Policy and Economics, University of Southern California, Los Angeles, CA
2011 - Present:	Research Associate, National Bureau of Economic Research (NBER), Cambridge, MA
2009 - 2013:	Adjunct Senior Economist, RAND Corporation, Santa Monica, CA
2004 - 2010:	Faculty Research Fellow, National Bureau of Economic Research (NBER), Cambridge, MA
2006 - 2009:	Full Economist, RAND Corporation, Santa Monica, CA
2003 - 2006:	Associate Economist, RAND Corporation, Santa Monica, CA
1999 - 2003:	Doctoral Fellow, RAND Graduate School, Santa Monica, CA
1999 - 1999:	Consultant, Medfocus, Des Plaines, IL. Worked as consultant for the Health Outcomes Evaluation Group, Eli Lilly, Indianapolis, IN
1998 - 1999:	Research Assistant, Indiana Univ. Purdue Univ. Indianapolis (IUPUI), Indianapolis, IN
1994 - 1995:	Staff Accountant, Arthur Andersen, New Delhi, India

PEER REVIEWED PUBLICATIONS (* indicates Student/Mentee, Underline indicates senior author):

1. Margaret E. Blume-Kohout*, Krishna B. Kumar, Neeraj Sood. (2015) "University R&D Funding Strategies in a Changing Federal Funding Environment." *Science and Public Policy*, 42(3), 355-368.
2. Zachary Wagner*, Jeremy Barofsky, Neeraj Sood. (2015) "PEPFAR Funding Associated with an Increase in Employment Among Males in Ten Sub-Saharan African Countries." *Health Affairs*, 34(6), 946-953.
3. John A. Romley, Dana Goldman, Neeraj Sood. (2015) "Hospital Productivity: The Authors Reply." *Health Affairs*, 34(6), 1069.

4. Reginald Villacorta*, **Neeraj Sood**. (2015) "Determinants of healthcare provider recommendations for influenza vaccinations." *Preventive Medicine Reports*, 2, 355-370.
5. John A. Romley, Dana P. Goldman, **Neeraj Sood**. (2015) "U.S. Hospitals Experienced Substantial Productivity Growth During 2002-11." *Health Affairs*, 34(3), 511-518.
6. Étienne Gaudette, Dana P. Goldman, Andrew Messali*, **Neeraj Sood**. (2015) "Do Statins Reduce the Health and Health Care Costs of Obesity?" *Pharmacoeconomics*, doi: 10.1007/s40273-014-0234-y.
7. Zachary Wagner*, Manan Shah*, **Neeraj Sood**. (2015) "Barriers to use of oral rehydration salts for child diarrhea in the private sector: evidence from India." *Journal of Tropical Pediatrics*, 61(1), 37-43.
8. Margaret E. Blume-Kohout*, Krishna B. Kumar, Christopher Lau, **Neeraj Sood**. (2014) "The effect of federal research funding on formation of university-firm biopharmaceutical alliances." *The Journal of Technology Transfer*, doi: 10.1007/s10961-014-9374-7.
9. Christopher Whaley, Jennifer Schneider Chafen, Sophie Pinkard, Gabriella Kellerman, Dena Bravata, Robert Kocher, **Neeraj Sood**. (2014) "Association Between Availability of Health Service Prices and Payments for These Services." *Journal of the American Medical Association*, 312(16), 1670-1676.
10. Christopher Lau, Abby Alpert, Peter Huckfeldt, Peter Hussey, David Auerbach, Hansheng Liu, **Neeraj Sood**, Ateev Mehrotra. (2014) "Post-acute referral patterns for hospitals and implications for bundled payment initiatives." *Healthcare*, 2(3), 190-195.
11. **Neeraj Sood**, Eran Bendavid, Arnab Mukherji, Zachary Wagner*, Somil Nagpal, Patrick Mullen. (2014) "Government health insurance for people below poverty line in India: quasi-experimental evaluation of insurance and health outcomes." *British Medical Journal*, 349, g5114.
12. Zachary Wagner*, Peter G. Szilagyi, **Neeraj Sood**. (2014) "Comparative performance of public and private sector delivery of BCG vaccination: Evidence from Sub-Saharan Africa." *Vaccine*, 32, 4522-4528.
13. Connor P. Spreng, Ifelayo P Ojo, Nicholas P. Burger, **Neeraj Sood**, John W. Peabody, Lisa M Demaria. (2014) "Does Stewardship Make a Difference in the Quality of Care? Evidence from Clinics and Pharmacies in Kenya and Ghana." *International Journal for Quality Health Care*, 26(4), 1-9.
14. Adeline Delavande, Mafalda Sampaio, **Neeraj Sood**. (2014) "HIV-related Social Intolerance and Risky Sexual Behavior in a High HIV Prevalence Environment." *Social Science and Medicine*, 111, 84-93.
15. Roland D. McDevitt, Amelia M. Haviland, Laura Laudenberger, Ryan Lore, Matthew Eisenberg, **Neeraj Sood**. (2013) "Risk Selection into Consumer-Directed Health Plans: An Analysis of Family Choices within Large Employers." *Health Services Research*, 49(2), 609-27.
16. **Neeraj Sood** and Zachary Wagner*. (2014) "Private Sector Provision of Oral Rehydration Therapy for Child Diarrhea in Sub-Saharan Africa." *American Journal of Tropical Medicine and Hygiene*, 90(5), 939-44.
17. Peter Huckfeldt, **Neeraj Sood**, José Escarce, David Grabowski, Joseph Newhouse. (2014) "Effects of Medicare Payment Reform: Evidence from the Home Health Interim and Prospective Payment Systems." *Journal of Health Economics*, 34, 1-18.
18. Zachary Wagner*, Yanyu Wu*, **Neeraj Sood**. (2014) "The Affordable Care Act May Increase the Number of People Getting Tested for HIV by Nearly 500,000 by 2017." *Health Affairs*, 33(3), 378-385.

19. **Neeraj Sood**, Timothy Juday, Jacqueline Vanderpuye-Orgle, Lisa Rosenblatt, John A. Romley, Desi Peneva, Dana Goldman. (2014) "HIV Care Providers Emphasize the Importance of the Ryan White Program for Access to and Quality of Care." *Health Affairs*, 33(3), 394-400.
20. Darius Lakdawalla, **Neeraj Sood**, Qian Gu. (2013) "Pharmaceutical advertising and Medicare Part D." *Journal of Health Economics*, 32(6), 1356-1367.
21. Peter Huckfeldt, **Neeraj Sood**, Alessandro Malchiodi, John Romley, José Escarce. (2013) "Medicare Payment Reform and Provider Entry and Exit." *Health Services Research*, doi: 10.1111/1475-6773.12059.
22. **Neeraj Sood**, Peter Huckfeldt, José Escarce, David Grabowski, Joseph Newhouse. (2013) "The Effect of Prospective Payment on Admission and Treatment Policy: Evidence from Inpatient Rehabilitation Facilities." *Journal of Health Economics*, 32(5), 965-979.
23. Chris Stomberg, Tomas Philipson, Margaret Albaugh, **Neeraj Sood**. (2013) "Utilization Effects of Rx-OTC Switches and Implications for Future Switches." *Health*, 5(10), 1667-1680.
24. **Neeraj Sood**, Zachary Wagner*, Emmanuel Drabo*, Amber Jaycocks*, Raffaello Vardavas. (2013) "Test-and-Treat in Los Angeles: A Mathematical Model of the Effects of Test-and-Treat on the MSM Population in Los Angeles County." *Clinical Infectious Diseases*, 56(12), 1789-1796.
25. **Neeraj Sood**, Zachary Wagner*, Emmanuel Drabo*, Amber Jaycocks, Raffaello Vardavas. (2013) "Reply to Gonzalez-Serna et al." *Clinical Infectious Diseases*, 57(3), 479-480.
26. Darius Lakdawalla and **Neeraj Sood**. (2013) "Health Insurance as a Two Part Pricing Contract." *Journal of Public Economics*, 102, 1-12.
27. Margaret E. Blume-Kohout*, **Neeraj Sood**. (2013) "Health Insurance Expansions and Pharmaceutical Markets." *Harvard Health Policy Review*, 14(1), 17-19.
28. Margaret E. Blume-Kohout* and **Neeraj Sood**. (2013) "Market Size and Innovation: Effects of Medicare Part D on Pharmaceuticals Research and Development." *Journal of Public Economics*, 97, 327-336.
29. **Neeraj Sood**, Peter Huckfeldt, Tomas Philipson. (2013) "Quantifying the Value of Personalized Medicines: Evidence from COX-2 Inhibitors." *Forum for Health Economics and Policy*, 16(1), 101-122.
30. **Neeraj Sood**, Zachary Wagner*, Peter Huckfeldt, Amelia Haviland. (2013) "Price Shopping in Consumer Directed Health Plans." *Forum for Health Economics and Policy*, 16(1), 1-19.
31. **Neeraj Sood** and Zachary Wagner*. (2012) "For-Profit Sector Immunization Service Provision: Does Low Provision Create a Barrier to Take-Up?" *Health Policy and Planning*, 12(11), 1-9.
32. Yang Lu*, John R. Penrod, **Neeraj Sood**, Saarah Woodby, Tomas Philipson. (2012) "Dynamic Cost-Effectiveness of Oncology Drugs." *The American Journal of Managed Care*, 18(11), S249-S278.
33. **Neeraj Sood** and Aparna Higgins. (2012) "Posing A Framework to Guide Government's Role in Payment and Delivery System Reform." *Health Affairs*, 31(9), 2043-2050: 10.1377/hlthaff.2012.0382.
34. David C. Grabowski, Peter Huckfeldt, **Neeraj Sood**, Jose L. Escarce, Joseph P. Newhouse. (2012) "Medicare Postacute Care Payment Reforms Have Potential to Improve Efficiency of Care, But May Need Changes to Cut Costs." *Health Affairs*, 31(9), 1941-1950: 10.1377/hlthaff.2012.0351
35. Amelia M. Haviland, M. Susan Marquis, Roland D. McDevitt, **Neeraj Sood**. (2012) "Growth of Consumer-Directed Health Plans to One-Half of all Employer-Sponsored Insurance Could Save \$57 Billion Annually." *Health Affairs*, 31(5), 1009-1015: 10.1377/hlthaff.2011.0369

36. Nicholas Burger, Joanne Yoong, Connor Spreng, **Neeraj Sood**. (2012) "Healthy Firms: Constraints to Growth among Private Health Sector Facilities in Ghana and Kenya." *PLoS ONE*, 7(2), e27885.
37. **Neeraj Sood**, Eric Sun, Xiaohui Zhuo*. (2012) "Behind the Counter Statins: A Silver Bullet for Controlling Costs and Improving Access?" *Health Services Research*, 47(1), 174-187: 10.1111
38. Qian Gu* and **Neeraj Sood**. (2011) "Do People Taking Flu Vaccines Need Them the Most?" *PLoS ONE*, 6(12):e26347.
39. Geoffrey F. Joyce, Mariana P. Carrera, Dana P. Goldman, **Neeraj Sood**. (2011) "Physicians Prescribing Behavior and Its Impact on Patient-Level Outcomes." *American Journal of Managed Care*, 17(12): e462-e471.
40. **Neeraj Sood**, Nicholas Burger, Joanne Yoong, Dan Kopf, Connor Spreng. (2011) "Firm-Level Perspectives on Public Sector Engagement with Private Healthcare Providers: Survey Evidence from Ghana and Kenya." *PLoS ONE*, 6(11):e27194.
41. **Neeraj Sood**, Peter J. Huckfeldt, Jose J. Escarce, David C. Grabowski, Joseph P. Newhouse. (2011) "Medicare's Bundled Payment Pilot For Acute and Postacute Care: Analysis and Recommendations On Where To Begin." *Health Affairs*, 30(9), 1708-1717.
42. Amelia M. Haviland, **Neeraj Sood**, Roland McDevitt, M. Susan Marquis. (2011) "The Effects of Consumer-Directed Health Plans on Episodes of Health Care." *Forum for Health Economics & Policy*, 14(2), Article 9.
43. Amelia M. Haviland, **Neeraj Sood**, Roland McDevitt, M. Susan Marquis. (2011) "How Do Consumer-Directed Health Plans Affect Vulnerable Populations?" *Forum for Health Economics & Policy*, 14(2), Article 3.
44. Jay Bhattacharya and **Neeraj Sood**. (2011) "Who Pays for Obesity?" *Journal of Economic Perspectives*, 25(1), 139-158.
45. Melinda Buntin, Amelia M. Haviland, Roland McDevitt, **Neeraj Sood**. (2011) "Healthcare Spending and Preventive Care in High-Deductible and Consumer-Directed Health Plans." *American Journal of Managed Care*, 17(3), 222-230.
46. Carrie Colla*, José Escarce, Melinda Buntin, **Neeraj Sood**. (2010) "Effects of competition on the cost and quality of inpatient rehabilitation care under prospective payment." *Health Services Research*, doi: 10.1111/j.1475-6773.2010.01190.x: 1981-2006.
47. Adeline Delavande, Dana Goldman, **Neeraj Sood**. (2010) "Criminal Prosecution and HIV related Risky Behavior." *Journal of Law and Economics*, 53(04):5304-0029.
48. Joanne Yoong, Nicholas Burger, Connor Spreng, **Neeraj Sood**. (2010) "Private Sector Participation and Health System Performance in Sub-Saharan Africa." *PLoS ONE*, 5(10): e13243.
49. Melinda Buntin, Carrie Colla, Partha Deb, **Neeraj Sood**, José Escarce. (2010) "Medicare Spending and Outcomes After Post Acute Care for Stroke and Hip Fracture." *Medical Care*, 48(9), 776-84.
50. Jayanta Bhattacharya, Dana Goldman, **Neeraj Sood**. (2009) "Market Evidence of Mistaken Mortality Risk." *Journal of Economic Behavior and Organization*, 72(1), 451-462.
51. **Neeraj Sood**, Arkadipta Ghosh*, José Escarce. (2009) "Employer-Sponsored Insurance, Health Care Cost Growth, and the Economic Performance of U.S. Industries." *Health Services Research*, 44(5), 1449-1464.

52. Darius Lakdawalla and **Neeraj Sood**. (2009) "Innovation and Welfare Effects of Public Drug Insurance." *Journal of Public Economics*, 91(1), 541-548.
53. Darius Lakdawalla, Dana Goldman, Pierre-Carl Michaud, **Neeraj Sood**, Robert Lempert, Ze Cong*, Han de Vries*, Italo Gutierrez*. (2009) "U.S. Pharmaceutical Policy in a Global Marketplace." *Health Affairs*, 28(1), 138-150 (published online December 2008, doi: 10.1377/hlthaff.28.1.w138).
54. **Neeraj Sood**, Han de Vries*, Italo Gutierrez*, Darius Lakdawalla, Dana Goldman. (2009) "The Effect of Regulation on Pharmaceutical Revenues: Experience in Nineteen Countries." *Health Affairs*, 28(1), 125-137 (published online December 2008, doi: 10.1377/hlthaff.28.1.w125).
55. **Neeraj Sood**, Melinda Beeuwkes Buntin, José Escarce. (2008) "Does How Much and How You Pay Matter? Evidence from the Inpatient Rehabilitation Facility Prospective Payment System and Costs of Care." *Journal of Health Economics*, 27(4), 1046-59.
56. Arkadipta Ghosh*, **Neeraj Sood**, Arleen Leibowitz. (2007) "The Effect of State Cost Containment Strategies on the Insurance Status and Use of Antiretroviral Therapy (HAART) for HIV Infected People." *Forum for Health Economics & Policy: (Economics of the HIV Epidemic)*, 10(2), Article 3.
57. Arleen Leibowitz and **Neeraj Sood**. (2007) "Market Power and State Costs of HIV/ AIDS Drugs." *International Journal of Health Care Finance and Economics*, 7(1), 59-71.
58. **Neeraj Sood** and Arkadipta Ghosh*. (2007) "The Short and Long Run Effects of Daylight Saving Time on Fatal Automobile Crashes." *The B.E. Journal of Economic Analysis & Policy*, 7(1), Article 11.
59. Ashlesha Datar, Arnab Mukherji*, **Neeraj Sood** (2007), "Health Infrastructure and Immunization Coverage in Rural India." *Indian Journal of Medical Research*, 125(1), 29-40.
60. Dana Goldman, James Smith, **Neeraj Sood**. (2006) "Immigrants and the Costs of Medical Care." *Health Affairs*, 25(6), 1700-1711.
61. Darius Lakdawalla, **Neeraj Sood**, Dana Goldman. (2006) "HIV Treatment Breakthroughs and Risky Sexual Behavior." *Quarterly Journal of Economics*, 121, 1063-1102.
62. Dana Goldman and **Neeraj Sood**. (2006) "Rising Medicare Costs: Are We in Crisis?" *Health Affairs*, 25(5), 389-390 (published online 22 August 2006; 10.1377/hlthaff.25.w389).
63. Ashlesha Datar and **Neeraj Sood**. (2006) "Impact of Postpartum Hospital Stay Legislation on Newborn Length of Stay, Readmission and Mortality in California." *Pediatrics*, 118(1), 63-72.
64. Dana Goldman, Geoffrey Joyce, Pinar Karaca-Mandic, **Neeraj Sood**. (2006) "Adverse Selection in Retiree Prescription Drug Plans." *Forum for Health Economics & Policy: Frontiers in Health Policy Research*, 9(1), Article 4.
65. Jayanta Bhattacharya and **Neeraj Sood**. (2006) "Health Insurance and the Obesity Externality." *Advances in Health Economics and Health Services Research*, 17, 281-321.
66. Dana Goldman, James Smith, **Neeraj Sood**. (2005) "Legal Status and Health Insurance Among Immigrants." *Health Affairs*, 24, 1640-53.
67. Dana Goldman, **Neeraj Sood**, Arleen Leibowitz. (2005) "Reallocation of Compensation in Response to Rising Health Insurance Premiums." *Economics Letters*, 88, 147-151.
68. Jayanta Bhattacharya, Dana Goldman, **Neeraj Sood**. (2004) "Price Regulation of Secondary Life Insurance Markets." *Journal of Risk and Insurance*, 71, 643-675.

69. Darius Lakdawalla and **Neeraj Sood**. (2004) "Social Insurance and the Design of "Innovation Policy." *Economic Letters*, 85, 57-61.
70. Bernard Friedman, **Neeraj Sood**, Kelly Engstrom, Diane McKenzie. (2004) "New Evidence on Hospital Profitability by Payer Group and the Effects of Payer Generosity." *International Journal of Health Care Finance and Economics*, 4, 231-246.
71. Jayanta Bhattacharya, Dana Goldman, **Neeraj Sood**. (2003) "The Link between Private and Public Insurance and HIV-Related Mortality." *Journal of Health Economics*, 22, 1105-1122.
72. Jayanta Bhattacharya, Michael Schoenbaum, **Neeraj Sood**. (2002) "Optimal Contributions to Flexible Spending Accounts." *Economic Letters*, 76, 129-135.
73. **Neeraj Sood**, Michael Treglia, Robert L. Obenchain, Thomas W. Croghan. (1999) "Determinants of Antidepressant Treatment Outcome." *American Journal of Managed Care*, 6(12), 1327-1336.

BOOK CHAPTERS:

1. Darius Lakdawalla and **Neeraj Sood**. (2012) "Incentives to Innovate." In Patricia Danzon and Sean Nicholson (Eds.) *Handbook of Economics of the BioPharmaceutical Industry*. New York, NY: Oxford University Press.
2. Jayanta Bhattacharya, Kate Bundorf, Noemi Pace, **Neeraj Sood**. (2010) "Does Health Insurance Make You Fat?" (pp 35-65). In Naci Mocan and Michael Grossman (Eds.) *Economic Aspects of Obesity*. Chicago, IL: University of Chicago Press.
3. Adam Gailey, Darius Lakdawalla, **Neeraj Sood**. (2010) "Patents, innovation, and the welfare effects of Medicare Part D" (pp 317-344). In Michael Grossman and Bjorn Lindgren (Eds.) *Pharmaceutical Markets and Insurance Worldwide (Advances in Health Economics and Health Services Research, Volume 22)*. Bradford, UK: Emerald Group Publishing Limited.
4. Dana Goldman, **Neeraj Sood**, Arleen Leibowitz. (2005) "Wage and Benefit Changes in Response to Rising Health Insurance Costs." In David Cutler and Alan Garber (Eds.) *Frontiers in Health Policy Research Volume 8*, Berkley Electronic Press.

REPORTS:

1. "How Much Is Too Much? An Analysis of Health Plan Profits and Administrative Costs in California," (2008) with Eric Sun, Lindsay Daugherty, and Arkadipta Ghosh, California HealthCare Foundation, San Francisco, California.
2. "Caring for a Third of the World's Population: Challenges for the Health Systems of China and India," (2008) with Sai Ma, *Policy Insights*, 2(3), RAND Corporation, Santa Monica, California.
3. "Potential Effects of Behind the Counter Drugs," (2008) with Eric Sun, Xiaohui Zhuo, and Margaret E. Blume-Kohout, RAND WR-608-ASPE, RAND Corporation, Santa Monica, California.
4. "A Comparison of Health Systems in India and China," (2007) with Sai Ma, RAND OP-212, RAND Corporation, Santa Monica, California.
5. "Effects of Health Care Costs on the U.S. Economy," (2007) with Arkadipta Ghosh and José Escarce, RAND WR-538-ASPE, RAND Corporation, Santa Monica, California.
6. "Comparison of Medicare Spending and Outcomes for Beneficiaries with Lower Extremity Joint Replacements," (2005) with Melinda Beeuwkes Buntin, Partha Deb, José J. Escarce, Carrie Hoverman, and Susan M. Paddock, Medicare Payment Advisory Commission, Washington, D.C.

7. "Health Insurance, Obesity, and Its Economic Costs," (2004), with Jay Bhattacharya, in *Economics of Obesity*, edited by Tomas Philipson et al, Economic Research Service, USDA, Washington, D.C.
8. "Consequences of Health Insurance Premium Regulation in California," (2004), with Abby Alpert, Dana Goldman, and Mary Vaiana, California HealthCare Foundation, San Francisco, California.
9. "Management Options for increasing recruiter productivity," (2001) with James Dertouzos, Steven Garber, RAND AB-504, RAND Corporation, Santa Monica, California.
10. "Interim Report on an Inpatient Rehabilitation Facility Prospective Payment System," (2001) with Grace M. Carter, Daniel A. Relles, Barbara Wynn, Jennifer Kawata, Susan Paddock, and Mark Totten, RAND MR-1503-HCFA, RAND Corporation, Santa Monica, California.

RESEARCH GRANTS:

1. Title: Vertical Integration and Care Coordination in Post-Acute Care Markets
Role: Principal Investigator
Amount: \$2,782,639
Funding Agency: National Institute on Aging, R01 mechanism
Dates: September 2013 to August 2017
2. Title: American Society of Health Economists 5th Biennial Conference
Role: Principal Investigator (with Rosalie Pacula)
Amount: \$15,000
Funding Agency: National Institute on Drug Abuse and National Institute on Alcohol Abuse and Alcoholism, R13 mechanism
Dates: January 2014 to December 2014
3. Title: Consumer Directed Health Plans and Use of Preventive Services
Role: Principal Investigator
Amount: \$918,572
Funding Agency: National Institute on Aging, R01 mechanism
Dates: September 2012 to May 2015
4. Title: Price Transparency and Consumer Directed Health Plans
Role: Principal Investigator
Amount: \$148,955
Funding Agency: California HealthCare Foundation
Dates: January 2012 to December 2012
5. Title: Pharmacoeconomics Doctoral Fellowship

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Role: Principal Investigator (with Jeff McCombs)

Amount: \$109,000

Funding Agency: Pfizer Inc.

Dates: June 2009 to May 2012

6. Title: Economics of Treating Viral STIs

Role: Co-Principal Investigator (with Dana Goldman)

Amount: \$984,908

Funding Agency: National Institute for Child Health and Human Development, R01 mechanism

Dates: September 2009 to August 2011

7. Title: Competition Among Post Acute Care Providers

Role: Principal Investigator

Amount: \$1,489,725

Funding Agency: Agency for Health Care Research and Quality (AHRQ), R01 mechanism

Dates: September 2009 to July 2012

8. Title: Post Acute Costs and Outcomes After Medicare's Reimbursement Changes

Role: Principal Investigator (with Melinda Buntin Year 1)

Amount: \$1,392,055

Funding Agency: National Institute on Aging, R01 mechanism

Dates: March 2008 to February 2012

9. Title: Health in Africa Flagship Report

Role: Principal Investigator

Amount: \$837,249

Funding Agency: World Bank and International Finance Corporation

Dates: January 2009 to December 2010

10. Title: External Costs of Obesity

Role: Principal Investigator (with Jay Bhattacharya)

Amount: \$160,080

Funding Agency: Stanford University (Original funding from NIH)

Dates: March 2008 to August 2009

11. Title: Regulating Health Insurance Premiums: Promises and Pitfalls

Role: Principal Investigator

Amount: \$174,226

Funding Agency: California HealthCare Foundation

Dates: February 2008 to September 2008

12. Title: Economic and Health Impact of Increased Consumer Access to Pharmaceuticals

Role: Principal Investigator

Amount: \$269,009

Funding Agency: Assistant Secretary Planning and Evaluation, Department of Health and Human Services

Dates: October 2007 to September 2008

13. Title: Health Care Costs and the U.S. Economy

Role: Principal Investigator

Amount: \$183,505

Funding Agency: Assistant Secretary Planning and Evaluation, Department of Health and Human Services

Dates: October 2006 to September 2007

14. Title: Implications of Medi-Cal Redesign for the HIV+ Population

Role: Principal Investigator (with Arleen Leibowitz)

Amount: \$69,060

Funding Agency: University of California Los Angeles (Original funding from University Wide AIDS Research Consortium)

Dates: July 2006 to May 2007

15. Title: Pharmaceutical Policy and Innovation Around the World

Role: Co-Principal Investigator (with D. Goldman (PI) and D. Lakdawalla)

Amount: \$1,900,000

Funding Agency: Pfizer Inc.

Dates: September 2005 to August 2007

16. Title: An Investigation of the Viatical Settlements Market

Role: Co-Principal Investigator (with Dana Goldman)

Amount: \$948,999

Funding Agency: National Institute on Aging, R01 mechanism

Dates: September 2003 to August 2007

17. Title: Universal Immunization in India

Sood, Neeraj – July 2015

Role: Principal Investigator

Amount: \$155,856

Funding Agency: RAND Corporation

Dates: September 2004 to August 2005

18. Title: Early Discharge and Infant Mortality

Role: Principal Investigator (with Jesse Malkin)

Amount: \$186,650

Funding Agency: National Institute for Child and Human Development

Dates: September 2003 to August 2005

19. Title: The California ADAP Research Initiative

Role: Principal Investigator (with Arleen Leibowitz)

Amount: \$60,690

Funding Agency: University of California Los Angeles (Original funding from University Wide AIDS Research Consortium)

Dates: July 2003 to November 2004

20. Title: The Consequences of Premium Regulation in California

Role: Principal Investigator (with Dana Goldman)

Amount: \$95,000

Funding Agency: California HealthCare Foundation

Dates: July 2003 to December 2003

PATENTS:

Health Cost Calculator/ Flexible Spending Account Calculator, Awarded July 2008.

ACADEMIC HONORS:

- | | |
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| 2015 | Finalist, National Institute for Healthcare Management (NIHCM) award recognizing outstanding work with a significant influence on health policy. |
| 2010 | Finalist, National Institute for Healthcare Management (NIHCM) award recognizing outstanding work with a significant influence on health policy. |
| 2009 | Eugene Garfield Economic Impact Prize, recognizing outstanding research demonstrating how medical research impacts the economy |
| 2002 | Fellowship in Behavioral Health Sciences and Policy, University of California Los Angeles, Los Angeles, California |
| 2001 | General Distinction, Qualifying Examinations for Ph.D. in Policy Analysis, RAND Graduate School, Santa Monica, California |

1995-1997 National Fellowship from the Center for Advanced Study, Delhi University, New Delhi, India

PRESENTATIONS:

- July 2015 “Does Enrollment in CDHPs Encourage Price Shopping?” International Health Economics Association World Congress, Milan, Italy.
- July 2015 “The Long Term Effects of Consumer-Directed Health Plans on Cancer Screening.” International Health Economics Association World Congress, Milan, Italy.
- May 2015 “Precision Medicine: A Health Economics Perspective.” Georgetown Personalized Medicine Workshop, Washington, D.C.
- June 2014 “Is the Cost Disease in U.S. Hospitals a Misdiagnosis?” American Society of Health Economists Conference, Los Angeles, CA.
- June 2014 “Medical Innovation and the Changing Health and Health Care Costs of Obesity.” American Society of Health Economists Conference, Los Angeles, CA.
- June 2014 “Repeat HIV Testing and Risky Sexual Behavior: Evidence from a Randomized Controlled Trial in Malawi.” American Society of Health Economists Conference, Los Angeles, CA.
- June 2014 “A Cost-Effectiveness Analysis of Pre-Exposure Prophylaxis (PrEP) for the Prevention of HIV in the Los Angeles County MSM Population.” American Society of Health Economists Conference, Los Angeles, CA.
- June 2014 “Prescription Drug Advertising and Drug Utilization: the Role of Medicare Part D.” American Society of Health Economists Conference, Los Angeles, CA.
- June 2014 “The Impact of a Novel Price Transparency Platform on Prices of Laboratory Procedures.” American Society of Health Economists Conference, Los Angeles, CA.
- June 2014 “Shopping for a Physician: Is Per Visit Costs Useful Information?” American Society of Health Economists Conference, Los Angeles, CA.
- June 2014 “Price Shopping in Consumer Directed Health Plans.” American Society of Health Economists Conference, Los Angeles, CA.
- June 2014 “Managing Financial Risk through Social Health Insurance: Welfare Effects of an Indian Health Insurance Scheme for the Poor.” American Society of Health Economists Conference, Los Angeles, CA.
- June 2014 “The Long Term Effects of Consumer-Directed Health Plans on Health Care Costs.” American Society of Health Economists Conference, Los Angeles, CA.
- June 2014 “The Long Term Effects of Consumer-Directed Health Plans on Use of Preventive Care.” American Society of Health Economists Conference, Los Angeles, CA.
- June 2014 “HIV Treatment, Mortality, and Labor Market Outcomes in Malawi.” American Society of Health Economists Conference, Los Angeles, CA.
- June 2014 “Impact of PEPFAR on Employment Outcomes: Evidence from Sub-Saharan Africa.” American Society of Health Economists Conference, Los Angeles, CA.

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- March 2014 "HIV Care Providers Emphasize the Importance of the Ryan White Program for Access to and Quality of Care." *Health Affairs* Issue Briefing: The ACA and the Future of HIV/AIDS in America, Washington, D.C.
- November 2013 "First, Do No Harm: Financial Conflicts in Medicine." Southern California Finance Conference, Claremont McKenna College, Claremont, CA.
- November 2011 "Social Stigma and Risky Behavior." Guest Lecturer at Harvard University, Cambridge, MA.
- September 2011 "Medicare's Bundled Payment Pilot: Analysis and Recommendations on Where to Begin." *Health Affairs* Forum, Washington, D.C.
- June 2011 "Consumer-Directed Health Plans: Now and the Future." Panelist at AHIP Institute, San Francisco, CA.
- November 2010 "HIV-Related Social Stigma and Risky Sexual Behavior." Guest Lecturer at Economics Department at UQAM, Montreal, Canada.
- September 2010 "Competition, Prospective Payment, and Outcomes in Post-Acute Care Markets." AHRQ, Washington, D.C.
- July 2010 "Medicare Part D and Pharmaceutical Innovation." National Bureau of Economic Research Summer Institute, Boston, MA.
- July 2010 "Panel Discussion on Quality of Care." Pardee RAND Graduate School 40th Anniversary Celebration, Santa Monica, CA.
- July 2010 "Panel Discussion on Health Care Reform." Masters in Medical Management Program, University of Southern California, Los Angeles, CA.
- June 2010 "Post-Acute Care Reimbursement, Costs, and Outcomes." American Society for Health Economists Annual Conference, Ithaca, NY.
- June 2010 "Medicare Part D and Pharmaceutical Innovation." American Society for Health Economists Annual Conference, Ithaca, NY.
- May 2010 "Incentives to Innovate." Wharton Business School, Philadelphia, PA.
- April 2010 "Medicare Part D and Pharmaceutical Innovation." Pharmaceutical Economics and Policy Council, Miami, FL.
- June 2009 "Health Care Cost Growth and the Economic Performance of U.S. Industries." Congressional Briefing Series, Washington, D.C.
- February 2009 "Health Care and the American Promise." Taylor Symposium, Indianapolis, IN.
- February 2009 "Health Insurance as a Two-Part Pricing Contract." Indiana University Purdue University Indianapolis (IUPUI), Indianapolis, IN.
- December 2008 "Health Insurance as a Two-Part Pricing Contract." Federal Trade Commission, Washington, D.C.
- November 2008 "Does Insurance Make You Fat?" National Bureau of Economic Research (NBER) Economics of Obesity Workshop, Baton Rouge, LA.

- September 2008 “Potential Effects of Behind the Counter Drugs.” ASPE, Department of Health and Human Services, Washington, D.C.
- June 2008 “Health Insurance, Administrative Costs, and Profits.” Legislative briefing at the California Capitol organized by California Health Care Foundation, Sacramento, California.
- June 2008 “Welfare Effects of Prescription Drug Insurance.” ASHE, Duke University, Durham, North Carolina.
- October 2007 “Welfare Effects of Prescription Drug Insurance.” Cornell University, Ithaca, NY.
- September 2007 “Health Care Cost Growth and the U.S. Economy.” ASPE, Department of Health and Human Services, Washington, D.C.
- July 2007 “Welfare Effects of Medicare Part D.” 28th National Bureau of Economic Research (NBER) Summer Institute, Cambridge, MA.
- November 2006 “Pharmaceutical Regulation, Market Size, and Innovation.” Pharmaceutical Economics and Policy Council, Paris, France.
- June 2006 “HIV Treatment Breakthroughs and Sexual Behavior Among the Uninfected.” American Society of Health Economists Annual Conference, Madison, WI.
- May 2006 “HIV Treatment Breakthroughs, Law Enforcement, and Risky Sexual Behavior.” Department of Health Research and Policy, Stanford University, Palo Alto, CA.
- April 2006 “HIV and Medicaid Policy.” Legislative briefing at the Capitol organized by UARP and the Office of the President, University of California, Sacramento, California.
- February 2006 “HIV and Medicaid Policy.” 21st UARP HIV/AIDS Biennial Investigators’ Meeting, San Francisco, CA.
- July 2005 “Insurance and Innovation in Health Care Markets.” 26th National Bureau of Economic Research (NBER) Summer Institute, Cambridge, MA.
- October 2004 “Immigrants, Their Legal Status, and Their Health Insurance.” ERIU Workshop, University of Michigan, Ann Arbor, MI.
- July 2004 “HIV Treatment Breakthroughs and Risky Sexual Behavior.” 25th National Bureau of Economic Research (NBER) Summer Institute, Cambridge, MA.
- May 2004 “The Reallocation of Compensation in Response to Health Insurance Premium Increases.” NBER Frontiers in Health Policy Research Conference, Washington, D.C.
- April 2004 “HIV Treatment Breakthroughs and Risky Sexual Activity.” 15th Annual Health Economics Conference, University of Alabama at Birmingham, Birmingham, AL.
- June 2003 “Evaluating Price Changes in the Viatical Settlements Market.” 4th World Congress of the International Health Economics Association, San Francisco, CA.
- June 2002 “Price Regulations of Secondary Life Insurance Markets.” 13th Annual Health Economics Conference. Carnegie Mellon University, Pittsburgh, PA.
- June 1999 “Evaluating Provider Payment Schemes for the Provision of Health Services.” Association of Health Researchers (AHSR) Annual Conference, Chicago, IL.

EXTERNAL SERVICE & PROFESSIONAL ACTIVITIES:

Extramural Service Appointments

2015 – Present	Research Advisory Committee Member, Medica Research Institute
2006 - Present	Editorial Board Member, Forum for Health Economics and Policy
2014 - Present	Editorial Board Member, Health Services Research
2015 - Present	Member of Advisory Council, California HIV/AIDS Research Program
2011 - 2015	HSOD Study Section Member, National Institutes of Health

Ad Hoc Grant Reviewer

National Science Foundation
National Institutes of Health
Social Sciences and Humanities Research Council of Canada
Robert Wood Johnson Foundation

Teaching

Pharmacoeconomics, Doctor of Pharmacy Program, USC
Econometrics, PhD in Health Economics Program, USC
Health Economics, PhD in Policy Analysis Program, Pardee RAND Graduate School

Ad Hoc Journal Reviewer

General Science

Proceedings of National Academies of Science
PLOS ONE

Medicine & Health Policy

Journal of American Medical Association
Lancet
Health Affairs
Health Services Research
Social Science and Medicine
Medical Decision Making
Journal of General Internal Medicine

Economics

Journal of Political Economy

Quarterly Journal of Economics
Economic Journal
Journal of Human Resources
Journal of Health Economics
Journal of Public Economics
Journal of Applied Econometrics
Journal of Policy Analysis and Management
American Journal of Agricultural Economics
Contemporary Economic Policy
Journal of Human Capital
Health Economics
European Journal of Health Economics
Journal of General Internal Medicine

USC SERVICE:

Administrative Appointments

2015 - Present Vice Dean for Research and Technology, Sol Price School of Public Policy
2013 - Present Director of Research, Schaeffer Center for Health Policy and Economics
2009 - Present Director of International Programs, Schaeffer Center for Health Policy and Economics

Committees & Other Service

Director, Leonard D. Schaeffer RAND-USC Initiative in Health Policy & Economics, 2015
Member, Faculty Environment and Employment Committee, University Committee, 2015
Mentor, Dean's Summer Research Fellowship Program, School of Pharmacy, 2015
Chair, Host Committee for 5th American Society of Health Economics Conference at USC, 2014
Member, Faculty Merit Review Consultation Committee, School of Pharmacy, 2014
Grant Reviewer, Clinical and Translational Science Institute at USC, 2014
Mentor, Dean's Summer Research Fellowship Program, School of Pharmacy, 2014
Member, Peer Review Taskforce, School of Pharmacy, 2013
Member, Faculty Merit Review Consultation Committee, School of Pharmacy, 2013
Mentor, Dean's Summer Research Fellowship Program, School of Pharmacy, 2013
Member, Website Redesign Committee, Schaeffer Center for Health Policy and Economics, 2012
Member, Pharmaceutical Economics & Policy Caucus, School of Pharmacy, 2009 - present
Member, Admissions Committee for PhD in Health Economics, 2009 - present

DOCTORAL STUDENTS:

1. Student: Arnab Mukherji
Degree: PhD in Policy Analysis, Pardee RAND Graduate School
Year: 2006
Initial Placement: Indian Institute of Management, Bangalore (IIM-B)
2. Student: Tatiana Andreyeva
Degree: PhD in Policy Analysis, Pardee RAND Graduate School
Year: 2006
Initial Placement: Yale University
3. Student: Arkadipta Ghosh
Degree: PhD in Policy Analysis, Pardee RAND Graduate School
Year: 2008
Initial Placement: Mathematica Policy Research Inc.
4. Student: Margaret E. Blume-Kohout
Degree: PhD in Policy Analysis, Pardee RAND Graduate School
Year: 2009
Initial Placement: University of New Mexico
5. Student: Ze Cong
Degree: PhD in Policy Analysis, Pardee RAND Graduate School
Year: 2009
Initial Placement: Amgen Inc.
6. Student: Adam Turpcu
Degree: PhD in Health Economics, University of Southern California
Year: 2010
Initial Placement: Genentech Inc.
7. Student: Janice Chung
Degree: PhD in Health Economics, University of Southern California
Year: 2013
Initial Placement: Centers for Disease Control (CDC)

8. Student: Reginald Villacorta
Degree: PhD in Health Economics, University of Southern California
Year: 2014
Initial Placement: Blue Cross Blue Shield of Philadelphia
9. Student: Andrew Messali
Degree: PhD in Health Economics, University of Southern California
Year: 2014
Initial Placement: Analysis Group
10. Student: Yao Ding
Degree: PhD in Health Economics, University of Southern California
Year: 2015
Initial Placement: Association of Public Health Laboratories
11. Student: Barbara Blaylock
Degree: PhD in Health Economics, University of Southern California
Year: 2015
Initial Placement: Organization for Economic Cooperation and Development (OECD)

MEDIA MENTIONS (since 2014):

- | | |
|---------------|---|
| July 2015 | "Savings associated with consumer directed health plans." <i>Academy Health Blog</i> . |
| July 2015 | "George Bush was a much better president than liberals like to admit." <i>Vox</i> . |
| May 2015 | "Obamacare's Big Gamble on Hospital Productivity." <i>The Upshot (The New York Times)</i> . |
| May 2015 | "With Sickest Patients, Cost-Sharing Comes at a Price." <i>The Upshot (The New York Times)</i> . |
| March 2015 | "High Deductible Health Plans Cut Costs, At Least for Now." <i>NPR</i> . |
| March 2015 | "Employers seeing benefits of high-deductible plans." <i>Modern Healthcare</i> . |
| March 2015 | "California state lawmakers are concerned about health costs." <i>89.3 KPCC</i> . |
| March 2015 | "Will Obamacare cut costs? The growth in America's health-care spending slowing." <i>The Economist</i> . |
| February 2015 | "Hospital productivity better than thought." <i>Health IT Outcomes</i> . |
| February 2015 | "Corporate Counsel News – Trends and Developments, Hospitals not suffering from 'cost disease,' study finds." <i>Wolters Kluwer</i> . |
| February 2015 | "Hospitals are becoming more productive." <i>The Advisory Board Company</i> . |
| February 2015 | "Hospitals up in productivity in caring for serious illnesses." <i>Healthcare Finance</i> . |

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- February 2015 "Laggards no more: Productivity analysis puts hospitals on plus side." *Cardiovascular Business*.
- February 2015 "Productivity Growth in U.S. Hospitals Seen From 2002-2011." *eMPR.com*.
- February 2015 "U.S. Hospitals Experienced Productivity Growth From 2002 to 2011." *Endocrinology Advisor*.
- February 2015 "Productivity Growth in U.S. Hospitals During 2002 to 2011." *Doctors Lounge*.
- February 2015 "Hospital productivity has been on the rise." *Fierce Health Finance*.
- February 2015 "Research Roundup: Reporting Study Misconduct; Coordinating Mental Health Benefits." *Kaiser Health News*.
- February 2015 "U.S. hospitals see productivity growth." *Becker's Hospital CFO*.
- February 2015 "Study: Hospital productivity better than expected." *HealthExec*.
- February 2015 "Hospital productivity better than previously thought." *Fierce Health Finance*.
- February 2015 "Could new questions derail the King case? There are just two GOP holdouts on Obamacare repeal." *Politico*.
- February 2015 "Study: Hospitals' productivity in treating certain Medicare patients rising." *American Hospital Association News*.
- February 2015 "Hospitals may have improved productivity after all." *Modern Healthcare*.
- February 2015 "The incredible cost savings that are possible when patients can actually shop around." *The Washington Post*.
- October 2014 "Health care comparison shopping could save consumers money—FDA's cybersecurity for medical devices workshop continues." *Politico*.
- October 2014 "Ability to shop for providers may lower claims payments." *Skin and Allergy News*.
- October 2014 "Shopping Around for a CT Scan Can Save \$100, Study Finds." *Bloomberg*.
- October 2014 "Making health service prices available linked to lower total claims payments." *Medical Xpress*.
- October 2014 "The incredible cost savings that are possible when patients can actually shop around." *Washington Post*.
- October 2014 "Castlight Health JAMA Study Shows Price Comparison Tools Can Lower Medical Costs." *Forbes*.
- October 2014 "New Study on Indian Government Health Insurance Scheme Show Significant Reduction in Mortality among the Poor." *The World Bank*.
- October 2014 "Health insurance scheme led to significant fall in mortality among poor: study." *Live Mint*.
- October 2014 "Vijpayee Arogyashree Scheme helps reduce BPL mortality in Karnataka: British Medical Journal." *Times of India*.
- October 2014 "Risk of dying from diseases covered under insurance falls." *The Economic Times*.

- October 2014 "Health insurance more than halves deaths, hospitalisations in Karnataka." *Hindustan Times*.
- October 2014 "Arogyashree scheme a great success: Study." *The Hindu Business Line*.
- October 2014 "Health insurance has lowered death rate in Karnataka: Study." *Z News*.
- October 2014 "Karna health insurance scheme could be a model for whole India." *Business Standard*.
- October 2014 "Karnataka health insurance scheme could be a model for whole India: WB." *The Financial Express*.
- September 2014 "One Way to Control Health Costs: Health Savings Accounts." *The Wall Street Journal*.
- June 2014 "Reform Update: CMS to expand bundled-payment initiative." *Modern Healthcare*.
- May 2014 "Health Care Cost-Sharing Works—Up to a Point." *The Upshot (The New York Times)*.
- February 2014 "How Obamacare can slow the spread of AIDS." *MSNBC.com*.
- January 2014 "Jason Furman: ObamaCare is Slowing Health Inflation." *The Wall Street Journal*.
- November 2013 "Why California Needs ACA Cancellations to Stay." *Marketplace (American Public Media)*.