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BRIEF BIO

Neeraj Sood, PhD, is professor and Vice Dean for Faculty Affairs & Research at the USC Price School of Public Policy and a founding member the USC Schaeffer Center. His research focuses on Medicare, pharmaceutical markets, health insurance, economics of innovation, post-acute care and global health. He has published over 100 papers in peer-reviewed journals in economics, medicine, and policy, including *JAMA*, *Quarterly Journal of Economics*, *Journal of Health Economics*, *Health Affairs*, *Journal of Policy Analysis and Management*, and *Health Services Research*. He has received more than \$10 million in funding as principal investigator in grants from the *National Institutes for Health (NIH)*, *National Science Foundation (NSF)* and other prominent funders.

He has testified frequently on health policy issues and has been on expert committees for the *National Academies of Science, Engineering and Medicine*. His work has been featured in media outlets, including *The New York Times*, *Washington Post*, *U.S. News and World Report*, and *Scientific American*. Sood was a finalist for the 16th and 21st annual National Institute for Health Care Management Health Care Research Award, recognizing outstanding research in health policy. He was also the 2009 recipient of the Eugene Garfield Economic Impact Prize, recognizing outstanding research demonstrating how medical research impacts the economy. Sood is on the editorial boards of the *Journal of Health Economics*, *Journal of Policy Analysis and Management*, and *Health Services Research*. He is a research associate at the *National Bureau of Economic Research* – the nation’s premier economic research organization, and a board member of the *American Society of Health Economists*. Prior to joining USC, he was a senior economist at RAND and a professor at the Pardee RAND Graduate School.

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

- 2019-Present: Vice Dean for Faculty Affairs, Sol Price School of Public Policy, University of Southern California, Los Angeles, CA
- 2018-Present: Strategic Advisor to the Director, Schaeffer Center for Health Policy and Economics, University of Southern California, Los Angeles, California
- 2016-Present: Professor, 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
- 2013-2018: Director of Research, 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-Present: Director of International Programs, Schaeffer Center for Health Policy and Economics, University of Southern California, Los Angeles, CA
- 2009-2016: Associate Professor, Pharmaceutical Economics and Policy, School of Pharmacy, University of Southern California, Los Angeles, CA
- 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

PUBLICATIONS IN PEER REVIEWED JOURNALS

* indicates Student/Mentee, Underline indicates senior author

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6. Huckfeldt, P., & **Sood, N.** (2019). "[Untangling Differences in Quality of Care in Medicare Advantage Versus Traditional Medicare Programs.](#)" *Annals of Internal Medicine*, 171(2), 133-134.

7. Popescu, I., **Sood, N.**, Joshi, S*, Huckfeldt, P., Escarce, J., & Nuckols, T. K. (2019). [“Trends in the Use of Skilled Nursing Facility and Home Health Care Under the Hospital Readmissions Reduction Program.”](#) *Medical Care*, 57(10), 757-765.
8. Ryan, M. S., & **Sood, N.** (2019). [“Analysis of State-Level Drug Pricing Transparency Laws in the United States.”](#) *JAMA Network Open*, 2(9), e1912104-e1912104.
9. Huckfeldt, P., Escarce, J., **Sood, N.**, Yang, Z., Popescu, I., & Nuckols, T. (2019). [“Thirty-Day Postdischarge Mortality Among Black and White Patients 65 Years and Older in the Medicare Hospital Readmissions Reduction Program.”](#) *JAMA Network Open*, 2(3), e190634-e190634.
10. Whaley, C. M., Vu, L., **Sood, N.**, Chernew, M. E., Metcalfe, L., & Mehrotra, A. (2019). [“Paying Patients To Switch: Impact Of A Rewards Program On Choice Of Providers, Prices, And Utilization.”](#) *Health Affairs*, 38(3), 440-447.
11. Weissblum, L., Huckfeldt, P., Escarce, J., Karaca-Mandic, P., & **Sood, N.** (2019). [“Skilled Nursing Facility Participation in Medicare’s Bundled Payments for Care Improvement Initiative: A Retrospective Study.”](#) *Archives of Physical Medicine and Rehabilitation*, 100(2), 307-314.
12. **Sood, N.**, Shier, V. L., Nakata, H., Iorio, R., & Lieberman, J. R. (2019). [“The Impact of Comprehensive Care for Joint Replacement Bundled Payment Program on Care Delivery.”](#) *The Journal of Arthroplasty*, 34(4), 609-612.
13. Huckfeldt, P. J., Weissblum, L., Escarce, J. J., Karaca-Mandic, P., & **Sood, N.** (2018). [“Do Skilled Nursing Facilities Selected to Participate in Preferred Provider Networks Have Higher Quality and Lower Costs?”](#) *Health Services Research*, 53(6), 4886-4905.
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21. Reid, R. O., Rabideau, B*, & **Sood, N.** (2017). "[Impact of consumer-directed health plans on low-value healthcare.](#)" *The American Journal of Managed Care*, 23(12), 741.
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28. Huckfeldt, P. J., Escarce, J. J., Rabideau, B., Karaca-Mandic, P., & **Sood, N.** (2017). "[Less Intense Postacute Care, Better Outcomes for Enrollees in Medicare Advantage Than Those In Fee-For-Service.](#)" *Health Affairs*, 36(1), 91-100.
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43. **Sood, N.**, Wagner, Z., & Wu, Y. (2015) “[The Impact of Insurance on HIV Testing](#).” *American Journal of Health Economics*, 1(4), 515-536.
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56. Wagner, Z*, Szilagyi, P. G., & **Sood, N.** (2014). "[Comparative Performance of Public and Private Sector Delivery of BCG Vaccination: Evidence from Sub-Saharan Africa.](#)" *Vaccine*, 32(35), 4522-4528.
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58. Delavande, A., Sampaio, M., & **Sood, N.** (2014). "[HIV-related Social Intolerance and Risky Sexual Behavior in a High HIV Prevalence Environment.](#)" *Social Science & Medicine*, 111, 84-93.
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60. **Sood, N.**, & Wagner, Z* (2014). "[Private sector provision of oral rehydration therapy for child diarrhea in Sub-Saharan Africa.](#)" *The American Journal of Tropical Medicine and Hygiene*, 90(5), 939-944.
61. Huckfeldt, P. J., **Sood, N.**, Escarce, J. J., Grabowski, D. C., & Newhouse, J. P. (2014). "[Effects of Medicare Payment Reform: Evidence from the Home Health Interim and Prospective Payment Systems.](#)" *Journal of Health Economics*, 34, 1-18.
62. Wagner, Z*, Wu, Y*, & **Sood, N.** (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.

63. **Sood, N.**, Juday, T., Vanderpuye-Orgle, J., Rosenblatt, L., Romley, J. A., Peneva, D., & Goldman, D. P. (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.
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65. Huckfeldt, P. J., **Sood, N.**, Romley, J. A., Malchiodi, A., & Escarce, J. J. (2013). "[Medicare Payment Reform and Provider Entry and Exit in the Post-Acute Care Market.](#)" *Health Services Research*, 48(5), 1557-1580.
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105. Lakdawalla, D., **Sood, N.**, Goldman, D. (2006) "[HIV Breakthroughs and Risky Sexual Behavior.](#)" *Quarterly Journal of Economics*, 121, 1063-1102.
106. Goldman, D., & **Sood, N.** (2006) "[Rising Medicare Costs: Are We in Crisis?](#)" *Health Affairs*, 25(5), 389-390 (published online 22 August 2006; 10.1377/hlthaff.25.w389).
107. Datar, A., & **Sood, N.** (2006) "[Impact of Postpartum Hospital Stay Legislation on Newborn Length of Stay, Readmission and Mortality in California.](#)" *Pediatrics*, 118(1), 63-72.
108. Goldman, D., Joyce, G., Karaca-Mandic, P., **Sood, N.** (2006) "[Adverse Selection in Retiree Prescription Drug Plans.](#)" *Forum for Health Economics & Policy: Frontiers in Health Policy Research*, 9(1), Article 4.
109. Goldman, D., Smith, J., **Sood, N.** (2005) "[Legal Status and Health Insurance Among Immigrants.](#)" *Health Affairs*, 24(6), 1640-53.
110. Goldman, D., **Sood, N.**, Leibowitz, A. (2005) "[The Reallocation of Compensation in Response to Health Insurance Premiums Increases.](#)" *Economics Letters*, 88(2), 147-151.

111. Bhattacharya, J., Goldman, D., **Sood, N.** (2004) "[Price Regulation of Secondary Insurance Markets.](#)" *Journal of Risk and Insurance*, 71(4), 643-675.
112. Lakdawalla, D., & **Sood, N.** (2004) "[Social Insurance and the Design of "Innovation Incentives.](#)" *Economic Letters*, 85(1), 57-61.
113. Friedman, B., **Sood, N.**, Engstrom, K., & McKenzie, D. (2004) "[New Evidence on Hospital Profitability by Payer Group and the Effects of Payer Generosity.](#)" *International Journal of Health Care Finance and Economics*, 4(3), 231-246.
114. Bhattacharya, J., Goldman, D., & **Sood, N.** (2003) "[The Link between Public and Private Insurance and HIV-Related Mortality.](#)" *Journal of Health Economics*, 22(6), 1105-1122.
115. Bhattacharya, J., Schoenbaum, M., & **Sood, N.** (2002) "[Optimal Contributions to Flexible Spending Accounts.](#)" *Economic Letters*, 76(1), 129-135.
116. **Sood, N.**, Treglia, M., Obenchain, R. L., Dulisse, B., Melfi, C. A., & Croghan, T. W. (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. Jayanta Bhattacharya and **Neeraj Sood.** (2006) "[Health Insurance and the Obesity Externality.](#)" In Bolin, K and Cawley, J (Eds.), *Economics of Obesity (Advances in Health Economics and Health Services Research, Volume 17).* Emerald Group Publishing Limited.
5. 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

6. "[The Association Between Drug Rebates and List Prices,](#)" (2020) with **Sood, N.,** Ribero, R., Ryan, M., Van Nuys, K., White Paper, USC Schaeffer Center, Los Angeles, California
7. "[State Drug Pricing Transparency Laws: Numerous Efforts, Most Fall Short. Schaeffer Center,](#)" (2019) with Ryan, M., & **Sood, N.,** White Paper, USC Schaeffer Center, Los Angeles, California

8. [“The Flow of Money Through the Pharmaceutical Distribution System,”](#) (2017) with Tiffany Shih, Karen Van Nuys, and Dana Goldman, USC Schaeffer Center, Los Angeles, California.
9. “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.
10. “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.
11. [“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.
12. [“A Comparison of Health Systems in India and China,”](#) (2007) with Sai Ma, RAND OP-212, RAND Corporation, Santa Monica, California.
13. “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.
14. Darius Lakdawalla, **Neeraj Sood**, Dana Goldman. (2006) [“HIV Treatment Breakthroughs and Risky Sexual Behavior.”](#) *Quarterly Journal of Economics*, 121, 1063-1102.
15. [“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.
16. Bhattachary, J., & **Sood, N.** (2004). [“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.
17. **Sood, N.**, Alpert, A., Goldman, D. P., & Vaiana, M. E. (2004). [“Consequences of Health Insurance Premium Regulation in California,”](#) *California HealthCare Foundation*, San Francisco, California.
18. James Dertouzos, Steven Garber, **Neeraj Sood**. (2001). “Management Options for Increasing Recruiter Productivity,” RAND AB-504, RAND Corporation, Santa Monica, California.
19. [“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.

WORKING PAPERS

1. “Learning and Testing Sub-groups with Heterogeneous Treatment Effects: A Sequence of Two Studies” with Ladhania Rahul, Amelia Haviland, Neeraj Sood, Edward Kennedy, and Ateev Mehrotra.
2. “The Impact of High Deductible Health Plans on Low-Value Care” with Brendan Rabiduea, Matthew Eisenberg and Rachel Reid. Revise and resubmit *Journal of Health Economics*.

3. “[Does the Market Reward Quality](#)” with Zach Wagner and Manoj Mohanan. Submitted to *Journal of Health Economics*.
4. “The Effects of Direct to Consumer Advertising of Prescription Drugs” with Abby Alpert and Darius Lakdawalla. Submitted to *American Economic Journal: Economic Policy*
5. “The Effects of Receiving Vertically Integrated Care: Evidence from Inpatient Rehabilitation Care” with Victoria Shier, Lianna Wiselblum, Jose Escarce and Peter Huckfeldt. Submitted to *Health Service Research*
6. “Excess Returns in Pharmaceutical Supply Chain” with Kimberly Zhong and Karen Mulligan. Submitted to *International Journal of Health Economics and Management*
7. “The Effects of Preferred Provider Networks on Health Care Use and Patient Outcomes” with Jing Gu and Peter Huckfeldt. Submitted to *Health Affairs*.
8. “Luck of the Draw: Role of Chance in the Assignment of Medicare Readmissions Penalties” with Sushant Joshi, Andrew Wilcock, Peter Huckfeldt, Teryl Nuckols, Ioana Popescu, José Escarce . Submitted to *Health Affairs*
9. “Post-discharge Care and Outcomes for Patients Receiving Vertically Integrated Hospital and Skilled Nursing Facility Care” with Jing Gu, Jose Escarce and Peter Huckfeldt. Submitted to *Health Services Research*
10. “Trends in Readmission, Mortality, and Community Discharge Rates at Hospitals with High vs. Low Low-income Patient Proportions in the Medicare Hospital Readmissions Reduction Program” with Zhiyou Yang; Peter Huckfeldt, José Escarce, Teryl Nuckols, and Ioana Popescu. Submitted to *Health Affairs*.
11. “Impact of Rewards on Price Shopping for Care” with Christopher Whaley, Leanne Mecalf, Lan Wu, Michael Chernew, and Ateev Mehrotra. Submitted to *Health Affairs*.

RESEARCH GRANTS

1. What Drives Poor Care for Child Diarrhea? A Standardized Patient Experiment
Role: Principal Investigator on USC Sub Award
Amount: \$174,336
Funding Agency: NIDDK
Date: August 1, 2020 to June, 2024
2. Nursing Home Residents with Dementia
Role: Principal Investigator on USC Sub Award
Amount: \$624,419
Funding Agency: PCORI
Date: January 1, 2018 to December 3, 2022
3. Use of behavioral economics in repeat SARS-CoV-2 antibody testing in disadvantaged communities
Role: Co-Principal Investigator
Amount: 396,997
Funding Agency: NIA
Date: September 1, 2020 to August 31, 2022
4. Assessing the Impact of Direct-to-Consumer Advertising (DTCA) on Consumer Behavior
Role: Principal Investigator
Amount: \$363,908

- Funding Agency: Blue Cross Blue Shield of IL
Date: December 1, 2019 to June 30, 2022
5. Transitional Care Management Services in Medicare
Role: Co-Principal Investigator
Amount: \$63,459
Funding Agency: NIA
Dates: April 1, 2020 to March 31, 2022
 6. Direct and Indirect Effects of Direct-to-Consumer Advertising
Role: Principal Investigator on USC Sub Award
Amount: \$210,817
Funding Agency: AHRQ
Date: May 1, 2018 to February 28, 2022
 7. SARS-COV-2 Antibody Testing in Vulnerable Communities
Role: Investigator
Amount: \$85,000
Funding Agency: USC Zumberge Research Fund
Dates: August 1, 2020 to September 30, 2021
 8. Identifying Priority Testing Locations in Southern California for COVID-19 With Transmission Dynamics and Network Data
Role: Investigator
Amount: \$85,000
Funding Agency: USC Zumberge Research Fund
Dates: August 1, 2020 to September 30, 2021
 9. The COVID-19 FIRE Study: First-responder Immune Response Evolution after SARS-Cov-2 Exposure
Role: Principal Investigator
Amount: \$125,000
Funding Agency: Abbott Diagnostics
Dates: July 30, 2020 to July 29, 2021
 10. The Effect of Financial Reward Programs on Prices and Utilization of Low-Priced Providers
Role: Principal Investigator on USC Sub Award
Amount: \$41,794
Funding Agency: Arnold Foundation
Dates: July 1, 2018 to September 20, 2020
 11. Assessing the Impact of Direct to Consumer Advertising on Consumer Behavior
Role: Principal Investigator
Amount: \$397,625.00
Funding Agency: HCSC
Dates: December 1, 2019 to June 30, 2022
 12. The Effect of Financial Reward Programs on Prices and Utilization of Low-Priced Providers
Role: Principal Investigator at USC
Amount: \$48,064.00
Funding Agency: Arnold Ventures
Dates: July 1, 2018 to June 30, 2020
 13. Direct and Indirect Effects of Direct to Consumer Advertising in Elder Populations
Role: Principal Investigator at USC
Amount: \$338,692.00

Funding Agency: AHRQ
Dates: May 1, 2018 to February 28, 2022

14. Optimizing Care for Nursing Home Residents with Dementia: A Comparison of Two Non-Pharmacological Treatment Approaches
Role: Principal Investigator at USC
Amount: \$426,872.00
Funding Agency: PCORI
Dates: January 1, 2018 to December 31, 2020
15. Racial and SES Disparities in Outcomes of Medicare's Hospital Readmissions Reduction Program
Role: Principal Investigator at USC
Amount: \$182,189.00
Funding Agency: AHRQ
Dates: August 1, 2017 to July 31, 2020
16. 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: June 2014 to December 2019
17. Consumer-Directed Health Plan Impact on Low-Value Service Utilization and Spending
Role: Principal Investigator
Amount: \$50,000
Funding Agency: National Institute for Health Care Management
Dates: January 1, 2017 – December 31, 2017
18. American Society of Health Economists 5th Biennial Conference
Role: Principal Investigator (with Rosalie Pacula)
Amount: \$15,000
Funding Agency: National Institute on Drug Abuse, National Institute on Alcohol Abuse and Alcoholism, R13 mechanism
Dates: January 2014 to December 2014
19. 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
20. Price Transparency and Consumer Directed Health Plans
Role: Principal Investigator
Amount: \$148,955
Funding Agency: California HealthCare Foundation
Dates: January 2012 to December 2012
21. Pharmacoeconomics Doctoral Fellowship
Role: Principal Investigator (with Jeff McCombs)
Amount: \$109,000
Funding Agency: Pfizer Inc.

Dates: June 2009 to May 2012

22. 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
23. 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
24. 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
25. 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
26. 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
27. Regulating Health Insurance Premiums: Promises and Pitfalls
Role: Principal Investigator
Amount: \$174,226
Funding Agency: California HealthCare Foundation
Dates: February 2008 to September 2008
28. 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
29. 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

30. 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
31. 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
32. 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
33. Universal Immunization in India
Role: Principal Investigator
Amount: \$155,856
Funding Agency: RAND Corporation
Dates: September 2004 to August 2005
34. 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
35. 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
36. 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

2018 Finalist - Research and Innovation Award, Society of Hospital Medicine Annual Meeting for “Heart Failure Mortality Trends after the Medicare Hospital Readmission Reduction Program at Penalized and Non-Penalized Hospitals. With

- Peter Huckfeldt, José Escarce, Andrew Wilcock, Brendan Rabideau, Ioana Popescu, Teryl K. Nuckols.
- 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

SELECTED PRESENTATIONS

- Sept. 2020 “Public Policy For Addressing the COVID-19 Pandemic.” USC Price Webinar, Los Angeles, CA
- Aug. 2020 “Admitted Master's Student Town Hall.” USC Price Webinar, Los Angeles, CA
- June 2020 “Panel Discussion: Economics of Covid-19.” American Society of Health Economists (ASHEcon), Los Angeles, CA.
- May 2020 “Price Talks for Local Leaders.” USC Price Webinar, Los Angeles, CA.
- May 2020 “Testing for SARS-CoV-2 antibodies.” USC Center for AI in Society, Los Angeles, CA.
- Mar. 2020 “NASEM Committee STD.” Webinar, Washington, DC.
- Mar. 2020 “Health Policy for Clinicians.” LAC Medical Center, Los Angeles, CA.
- Jan. 2020 “PBM Economics and New Pricing Models.” Governor’s Task Force on Reducing Prescription Drug Prices, Milwaukee, Wisconsin. (presenter)
- Jan. 2020 “Markets and Health Care Quality in Low and Middle-Income Countries (I1, D4).” American Economic Association Annual meeting and the American Society of Health Economist Board meeting, San Diego, CA. (paper presented)
- Nov. 2019 “State Drug Transparency Laws.” Webinar for USC Annenberg Center for Health Journalism, Los Angeles, CA. (presenter)
- Nov. 2019 “Prescription Drug Advertising and Drug Utilization: The Role of Medicare Part D.” Association for Public Policy Analysis and Management (APPAM), Denver, CO. (presenter)
- Nov. 2019 “Rising to the Health Care Cost Challenge.” Association for Public Policy Analysis and Management (APPAM), Denver, CO. (organizer/moderator)
- Nov. 2019 “Policy Issues in Generic and Biosimilar Drug Markets.” Association for Public Policy Analysis and Management (APPAM), Denver, CO. (chair/discussant)
- Oct. 2019 “Role of luck in hospital readmissions.” Kaiser Permanente Research Facility, in Pasadena, CA. (presenter)

- Aug. 2019 “PBM Economics.” Webinar for National Assoc. of Insurance Commissioners PBM Subgroup, Los Angeles, CA (presenter)
- July 2019 “What are the benefits of subscription models?” Brookings Institution, Washington, D.C. (discussant)
- June 2019 “Effectiveness of a School-Based Human Papillomavirus Vaccine Program for Increasing Vaccine Uptake in an Underserved Area.” ASHEcon in Washington, DC. (discussant)
- June 2019 “Spillovers of Medicare’s Mandatory Bundled Payment for Joint Replacement into Other Patients.” ASHEcon in Washington, DC. (discussant)
- June 2019 “The Effects of Prescription Drug Coupons on Generic Drug Use, Adherence, and Competition: Evidence from Three Drug Classes” ASHEcon in Washington, DC. (discussant)
- Apr. 2019 "Machine Learning in Health Care." NBER Health Economics, Boston, MA.
- Mar. 2019 “Novel Policies for Lowering Prescription Drug Costs.” Brookings Institution, Boston, MA.
- Mar. 2019 “Improving Health Care Quality in Low and Middle Income Countries.” The African Centres for Diseases Control and Prevention (Africa CDC), Addis Ababa, Ethiopia
- Oct. 2018 “Pharmaceutical Supply Chain Economics.” California Medical Association House of Delegates, Sacramento, CA.
- Aug. 2018 “Improving Drug Price Transparency.” Oregon Task Force on Prescription Drugs via teleconference.
- July 2018 “High Deductible Health Plans: Pros and Cons.” CalPERS Board of Administration, Concord, California.
- July 2018 “Expanding Access to Breakthrough Therapies.” National Academies Workshop: Novel Strategies for Improving Access to Hepatitis C Drugs, Washington, D.C.
- June 2018 “Potential Effects of the Proposed CVS Acquisition of Aetna on Competition and Consumer Welfare.” California Department of Insurance, Aetna-CVS Merger Hearing, San Francisco, California.
- Nov.2017 “Follow the Money: The Flow of Funds in the Pharmaceutical Distribution System.” Federal Trade Commission conference, Understanding Competition in the Prescription Drug Markets: Entry and Supply Chain Dynamics, Washington, D.C.
- Oct. 2017 “What Do We Know About High Deductible Health Plans?” Baker Institute Conference on National Health Care Reform: Beyond Repeal and Replace, Houston, TX.
- Oct. 2017 “Policy Prescriptions for Pharmaceutical Innovation and Pricing,” USC Lifespan Health Summit, Los Angeles, CA.
- June 2017 “Follow the Money: The Flow of Funds in the Pharmaceutical Distribution System.” Fostering Competition in the Pharmaceutical Distribution Chain Conference at the Brookings Institution, Washington, D.C.
- June 2017 “Policy Prescriptions for the U.S. Pharmaceutical Market.” University of Minnesota, Minneapolis, Minnesota.

- Apr. 2017 “Improving Access to Hepatitis C Cure.” Centers for Disease Control Summit for the Elimination of Hepatitis B and Hepatitis C as Public Health Threats in the United States, Atlanta, Georgia.
- Apr. 2017 “Should Medicare Negotiate Drug Prices? USC Schaeffer Center’s What Role Should Government Place in Drug Price Negotiations Conference, Los Angeles, California.
- June 2016 “Low Value Care in a Commercially Insured Population.” Annual Research Meeting of Academy Health, Boston, MA.
- June 2016 “Quality and Costs in Narrow Network Skilled Nursing Facilities.” American Society of Health Economists Conference, Philadelphia, PA.
- June 2016 “Does Enrollment in High Deductible Health Plans Encourage Price Shopping for Physician Office Visits?” American Society of Health Economists Conference, Philadelphia, PA.
- May 2016 “Effects of DTCA on Drug Utilization and Adherence” Bates White Life Sciences Symposium, Washington, D.C.
- Aug. 2015 “The Impact of CDHPs on Use of Preventive Services?” NIH Conference on Economics of Prevention, Bethesda, Maryland.
- 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.
- Mar. 2015 “Making Healthcare More Affordable.” Informational Hearing California Senate Committee on Health, Sacramento, CA.
- Mar. 2015 “High Deductible Health Plans.” Joint Informational Hearing California Senate Public Employment and Retirement Committee, Assembly Public Employees, Retirement and Social Security Committee, Sacramento, CA.
- Oct. 2014 “The Impact of Government Sponsored Health Insurance on Health” 9th Annual Workshop on Government Sponsored Health Insurance, World Bank, New Delhi, India.
- Oct. 2014 “The Impact of Government Sponsored Health Insurance on Health” Press Conference co-hosted with Honorable Minister of Health Karnataka, New Delhi, India.
- 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.
- Mar. 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.
- Nov. 2013 “First, Do No Harm: Financial Conflicts in Medicine.” Southern California Finance Conference, Claremont McKenna College, Claremont, CA.
- Nov. 2011 “Social Stigma and Risky Behavior.” Seminar at Harvard University, Cambridge, MA.
- Sept. 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.
- Nov. 2010 “HIV-Related Social Stigma and Risky Sexual Behavior.” Guest Lecturer at Economics Department at UQAM, Montreal, Canada.
- Sept. 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.
- Apr. 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.
- Feb. 2009 “Health Care and the American Promise.” Taylor Symposium, Indianapolis, IN.
- Feb. 2009 “Health Insurance as a Two-Part Pricing Contract.” Indiana University Purdue University Indianapolis (IUPUI), Indianapolis, IN.
- Dec. 2008 “Health Insurance as a Two-Part Pricing Contract.” Federal Trade Commission, Washington, D.C.
- Nov. 2008 “Does Insurance Make You Fat?” National Bureau of Economic Research (NBER) Economics of Obesity Workshop, Baton Rouge, LA.
- Sept. 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.
- Oct. 2007 “Welfare Effects of Prescription Drug Insurance.” Cornell University, Ithaca, NY.
- Sept. 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.
- Nov. 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.
- Apr. 2006 “HIV and Medicaid Policy.” Legislative briefing at the Capitol organized by UARP and the Office of the President, University of California, Sacramento, California.
- Feb. 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.
- Oct. 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.
- Apr. 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.

TEACHING

- Health Policy and Management; Policy, Planning, and Development Program, USC
- Pharmacoeconomics; Doctor of Pharmacy Program, USC
- Econometrics; PhD in Health Economics Program, USC
- Health Economics; PhD in Policy Analysis Program, Pardee RAND Graduate School

EXTERNAL SERVICE & PROFESSIONAL ACTIVITIES

Extramural Service Appointments

- 2020-Present National Associate, National Academies of Sciences, Engineering, and Medicine’s
- 2018-Present Co-Editor, Journal of Policy Analysis and Management
- 2019-Present Member, National Academies of Sciences, Engineering, and Medicine’s (the Academies) Committee on Prevention and Control of Sexually Transmitted Diseases in the United States
- 2017-2019 National Academies of Science, Committee on Improving Quality of Health Care Globally
- 2016-2018 National Academies of Science, Committee on a National Strategy for the Elimination of Hepatitis B and C
- 2016-Present Board of Directors, American Society of Health Economists
- 2016-Present Editorial Board Member, Journal of Health Economics
- 2015-2018 Research Advisory Committee Member, Medica Research Institute
- 2006-2016 Editorial Board Member, Forum for Health Economics and Policy
- 2014-Present Editorial Board Member, Health Services Research

2015-2019 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

Ad Hoc Journal Reviewer

General Science

- Proceedings of National Academies of Science
- PLoS ONE
- Science

Medicine & Health Policy

- BMJ
- Journal of American Medical Association
- Lancet
- Health Affairs
- Health Services Research
- JAMA Internal Medicine
- 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

USC SERVICE

Administrative Appointments

2019-Present Vice Dean for Faculty and Affairs, Sol Price School of Public Policy, University of Southern California, Los Angeles, CA

- 2016-2017 Faculty Environment and Employment Committee Co-chair, Academic Senate Executive Board
- 2015-Present Vice Dean for Research and Technology, Sol Price School of Public Policy
- 2013-2018 Director of Research, Schaeffer Center for Health Policy and Economics
- 2009 – Director of International Programs, Schaeffer Center for Health Policy and Economics

Committees & Other Service

- 2017 Member, Conflict of Interest on Research Committee
- 2016-2019 Board Member, Center for Health System Innovation
- 2015 Director, Leonard D. Schaeffer RAND-USC Initiative in Health Policy & Economics
- 2015 Chair, Faculty Environment and Employment Committee, University Committee
- 2015 Member, Faculty Environment and Employment Committee, University Committee
- 2015 Mentor, Dean's Summer Research Fellowship Program, School of Pharmacy
- 2014 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
- 2013 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
- 2012 Member, Website Redesign Committee, Schaeffer Center for Health Policy and Economics
- 2009-2016 Member, Pharmaceutical Economics & Policy Caucus, School of Pharmacy
- 2009-2016 Member, Admissions Committee for PhD in Health Economics

DOCTORAL STUDENTS

1. Arnab Mukherji
PhD in Policy Analysis, Pardee RAND Graduate School, 2006
Initial Placement: Indian Institute of Management, Bangalore (IIM-B)
2. Tatiana Andreyeva
PhD in Policy Analysis, Pardee RAND Graduate School, 2006
Initial Placement: Yale University
3. Arkadipta Ghosh
PhD in Policy Analysis, Pardee RAND Graduate School. 2008
Initial Placement: Mathematica Policy Research Inc.
4. Margaret E. Blume-Kohout

- PhD in Policy Analysis, Pardee RAND Graduate School. 2009
Initial Placement: University of New Mexico
5. Ze Cong
PhD in Policy Analysis, Pardee RAND Graduate School, 2009
Initial Placement: Amgen Inc.
 6. Adam Turpcu
PhD in Health Economics, University of Southern California. 2010
Initial Placement: Genentech Inc.
 7. Janice Chung
PhD in Health Economics, University of Southern California, 2013
Initial Placement: Centers for Disease Control (CDC)
 8. Reginald Villacorta
PhD in Health Economics, University of Southern California, 2014
Initial Placement: Blue Cross Blue Shield of Philadelphia
 9. Andrew Messali
PhD in Health Economics, University of Southern California, 2014
Initial Placement: Analysis Group
 10. Yao Ding
PhD in Health Economics, University of Southern California. 2015
Initial Placement: Association of Public Health Laboratories
 11. Barbara Blaylock
PhD in Health Economics, University of Southern California, 2015
Initial Placement: Organization for Economic Cooperation and Development (OECD)
 12. Emmanuel Drabo
PhD in Health Economics, University of Southern California, 2015
Initial Placement: Stanford University
 13. Xinke Zhang
PhD in Health Economics, University of Southern California, 2017
Initial Placement: Amgen Inc.
 14. Lianna Weissblum
PhD in Health Services Research, Policy, & Administration, University of Southern California, 2019
Initial Placement: Medtronic
 15. Rahul Ladhania
PhD in Public Policy, Policy, Carnegie Mellon University, 2019
Initial Placement: Wharton School, University of Pennsylvania.
 16. Jing Gu

PhD in Health Economics, University of Southern California, 2020

17. Sushant Joshi
PhD in Public Policy and Management, University of Southern California, Present
18. Jaehong Kim
PhD in Health Economics, University of Southern California, Present
19. Kate Jun
PhD in Public Policy and Management, University of Southern California, Present
20. Yuna H. Bae
PhD in Health Economics, University of Southern California, Present
21. Hsin-Yun Yang
PhD in Health Economics, University of Southern California, Present
22. Noah Miller
PhD in Public Policy and Management, University of Southern California, Present
23. Zissis Marmarelis
Ph.D. in Public Policy and Management, University of Southern California, Present