

Eric C Sun
Curriculum Vita (February 28, 2025)

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Personal

Licensure: Diplomate, American Board of Anesthesiology
Citizenship : United States

Education

2010 M.D., University of Chicago Pritzker School of Medicine
2008 Ph.D. (business economics), University of Chicago Booth GSB
2000 A.B. (molecular biology, with honors), Princeton University

Postgraduate Training

2011-2014 Resident, Department of Anesthesiology, Pain and Perioperative Medicine,
Stanford University
2010-2011 Intern, Santa Clara Valley Medical Center Transitional Program
2009-2010 AHRQ Postdoctoral Fellow, RAND at UCLA
2006-2008 Bing Center Fellow, RAND

Career/Academic Appointments

10/2024- Associate Professor, Department of Anesthesiology, Perioperative and Pain
Medicine, Stanford University School of Medicine
06/2022- Associate Division Chief, Multi-Specialty Division, Department of
Anesthesiology, Perioperative and Pain Medicine, Stanford University School of
Medicine
09/2016-10/2024 Assistant Professor, Department of Anesthesiology, Perioperative and Pain
Medicine, Stanford University School of Medicine
09/2019-08/2020 Senior Economist, Council of Economic Advisers, Executive Office of the
President
02/2019 Visiting Fellow, University of Technology, Sydney
02/2019-03/2019 Visiting Research Scholar, Melbourne Institute, University of Melbourne
07/2014-09/2016 Instructor, Department of Anesthesiology, Perioperative and Pain Medicine,
Stanford University
06/2008-09/2010 Associate Economist, RAND

Other Professional Positions

2023-present MEDA Ventures, Venture Partner (support diligence of investment deals for pain
management drugs and devices as well as perioperative technologies)

2006-present Consultant, Precision Health Economics
2004-2006 Lecturer, Department of Economics, University of Chicago
1996-2000 Research Assistant, Viral Epidemiology Branch, National Cancer Institute

Honors and Prizes

2018 Junior Faculty Research Award, Association of University Anesthesiologists
2016 Research Abstract Award, American Association of Pain Management
2011 Finalist, National Institute of Health Care Management Foundation Annual Research Award for “An Economic Evaluation of the War on Cancer” (published in the *Journal of Health Economics*)
2009-2010 AHRQ Postdoctoral Fellowship
2000-2010 National Institutes of Health Medical Scientist Training Program Fellowship

Publications

Peer-reviewed journal articles

1. **Sun EC**, Goedert JJ, Fears, TR: Epidemiology of squamous cell conjunctival cancer. *Cancer Epidemiology, Biomarkers, and Prevention*. 1997; 6:73-77.
2. **Sun EC**, Curtis R, Hankey B, Melbye M, Goedert JJ: Salivary Gland Cancer in the United States. *Cancer Epidemiology, Biomarkers, and Prevention*. 1999; 8:1095- 1100.
3. Philipson, TJ, Berndt E, Gottschalk A, **Sun, EC**: Cost-Benefit Analysis of the FDA: The Case of the Prescription Drug User Fee Acts. *Journal of Public Economics*. 2008; 92:1306-1325
4. Goldman DP, Jena AB, Philipson TJ, **Sun EC**: Drug Licenses: A Promising Model of Pharmaceutical Pricing. *Health Affairs*. 2008; 27:122-129.
5. Joyce GF, Goldman DP, Vogt WB, **Sun EC**, Jena AB: Medicare Part D After Two Years. *American Journal of Managed Care*. 2009; 15(8):536-544.
6. Goldman DP, Jena AB, Lakdawalla DN, Malin JL, Malkin JD, **Sun EC**: The Value of Specialty Oncology Drugs. *Health Services Research*. 2009; 45(1):115-132.
7. **Sun EC**, Lakdawalla D, Jena AB, Reyes C, Philipson TJ, Goldman D. Relative Contribution of Better Treatments and Improved Detection: An Analysis of Cancer Survival Gains from 1988-2000 Using SEER Data. *Forums in Health Economics and Policy*. 2010; 13(2): Article 1.
8. Lakdawalla D, **Sun EC**, Jena AB, Reyes CM, Goldman DP, Philipson TJ. An Economic Evaluation of the War on Cancer. *Journal of Health Economics* 2010; 29(3): 333-346.
9. Philipson TJ, **Sun, EC**, Goldman DP, Jena AB. A Re-examination of the Costs of Medical R&D Regulation. *Forums in Health Economics and Policy*. 2012; 15(3): 132-159.
10. Sood N, **Sun EC**, Zhou X. Behind-the-Counter Statins: A Silver Bullet for Reducing Costs and Increasing Access? *Health Services Research* 2012; 47(1):174-187
11. Jena AB, **Sun EC**, Goldman DP. Confounding in the Association of Proton Pump Inhibitor Use with Risk of Community Acquired Pneumonia. *Journal of General Internal Medicine*, 2013; 28(2):223-230.
12. Jena AB, **Sun EC**, Romley J. Mortality Among High Risk Patients with Acute Myocardial Infarction Admitted to U.S. Teaching Hospitals in July: A Retrospective Observational Study. *Circulation* 2013; 128(25):2754-2763.
13. Jena AB, **Sun EC**, Prasad V. Does the Declining Lethality of Gunshot Injuries Mask a Rising Epidemic of Gun Violence in the United States? *Journal of General Internal Medicine* 2014; 29(7): 1065-1069.
14. **Sun EC**, Baker LC. Concentration in Orthopedic Markets was Associated with a 7 Percent Increase

- in Physician Fees for Total Knee Replacements. *Health Affairs* 2015;34(6):916-921
15. **Sun EC**, Dexter F, Macario A, Miller TR, Baker LC. No Significant Association Between Anesthesia Group Concentration and Private Insurer Payments in the United States. *Anesthesiology* 2015;123:507-514.
 16. **Sun EC**, Miller TR, Halzack N. "Opt out" States Show No Increase in Access to Anesthesia Services for Medicare Beneficiaries Compared to Non-"Opt out" States. *Anesthesia and Analgesia Case Reports* 2016;6(9):283-285.
 17. **Sun EC**, Dexter F, Miller TR. The Effect of "Opt out" Regulation on Access to Surgical Care in the United States: Evidence from the National Inpatient Sample. *Anesthesia and Analgesia* 2016;122(6):1983-1991.
 18. **Sun EC**, Darnall B, Baker LC, Mackey S. Incidence of and Risk Factors for Chronic Opioid Use Among Opioid Naïve Patients in the Perioperative Period. *JAMA Internal Medicine* 2016;176(9):1286-1293.
 19. **Sun EC**, Dexter F, Miller TR, Baker LC. "Opt Out" and Access to Anesthesia Care for Elective and Urgent Surgeries Among US Medicare Beneficiaries. *Anesthesiology* 2017;126(3):461-471.
 20. Tse BK, Walters TL, Howard SK, Kim TE, Memtsoudis SG, **Sun EC**, Kou A, Graham L, King R, Mariano ER. A Matched Case-Control Comparison of Hospital Costs and Outcomes for Knee Replacement Patients Admitted Postoperatively to Acute Care versus Rehabilitation. *Journal of Anesthesia* 2017;31(5):785-788.
 21. Dexter F, Epstein RH, **Sun EC**, Lubarsky DA, Dexter EU. Readmission to Different Hospitals after Common Surgical Procedures and Consequences for Implementation of Perioperative Surgical Home Programs. *Anesthesia and Analgesia* 2017;125(3):943-951.
 22. **Sun EC**, Dixit A, Humphreys KN, Darnall BD, Baker LC, Mackey S. Association Between Concurrent Use of Prescription Opioids and Benzodiazepines and Overdose: Retrospective Analysis. *BMJ* 2017;356:j760.
 23. **Sun EC**, Bateman BT, Memtsoudis SG, Neuman MD, Mariano ER, Baker LC. Lack of Association Between the Use of Nerve Blockade and the Risk of Post-Operative Chronic Opioid Use among Patients Undergoing Total Knee Arthroplasty: Evidence from the MarketScan® Database. *Anesthesia and Analgesia* 2017;125(3):999-1007.
 24. Mueller KG, Memtsoudis SG, Mariano ER, Baker LC, Mackey S, **Sun EC**. Lack of Association Between the Use of Nerve Blockade and the Risk of Post-Operative Chronic Opioid Use Among Patients Undergoing Total Shoulder Arthroplasty: Evidence from the MarketScan® Database. *Anesthesia and Analgesia* 2017;125(3):1014-1020.
 25. **Sun EC**, Jena AB. Distribution of Prescription Opioid Use Among Privately Insured Cancer-Free Adults: US, 2001-2013. *Annals of Internal Medicine* 2017;167(9):684-686.
 26. O'Connell C, Azad TD, Mittal V, Vail D, Johnson E, Desai A, **Sun EC**, Ratliff JK, Veeravagu A. Preoperative Depression, Lumbar Fusion, and Opioid use: An Assessment of Postoperative Prescription, Quality, and Economic Outcomes. *Neurosurgical Focus* 2018;44(1):E5.
 27. Dexter F., Epstein RH, Dexter EU, Lubarsky DA, **Sun EC**. Hospitals with Briefer than Average Lengths of Stay for Common Surgical Procedures do not Have Greater Odds of Either Re-admission or Use of Short-Term Care Facilities. *Anaesthesia and Intensive Care* 2017; 45(2):210-219
 28. Pichler L, Poeran J, Zubizarreta N, Cozowicz C, **Sun EC**, Mazumdar M, Memtsoudis SG. Association between Liposomal Bupivacaine Use and Perioperative Opioid Related Complications in Knee Arthroplasty Patients: A Population-Based Study. *Anesthesiology* 2018;129:689-699.
 29. Ho PT, Carvalho B, **Sun EC**, Macario A, Riley ET. Cost-benefit Analysis of Maintaining a Fully Stocked Malignant Hyperthermia Cart versus and Initial Dantrolene Treatment Dose for Maternity Units. *Anesthesiology* 2018;129(2):249-259.
 30. **Sun EC**, Miller TR, Moshfegh J, Baker LC. Anesthesia Care Team Composition and Surgical

- Outcomes. *Anesthesiology* 2018;129:700-709.
31. Chi D, Mariano ER, Memtsoudis SG, Baker LC, **Sun EC**. Regional Anesthesia and Readmission Rates After Total Knee Arthroplasty. *Anesthesia and Analgesia* 2019; 128(6):1319-1327
 32. **Sun EC**, Dutton RP, Jena AB. Comparison of Anesthesia Times and Billing Patterns by Anesthesia Practitioners. *JAMA Network Open* 2018;1(7):e184288.
 33. **Sun EC**, Moshfegh J, Rishel CA, Cook CE, Goode AP, George SZ. Association of Early Physical Therapy and Long-Term Opioid Use Among Opioid-Naïve Patients with Musculoskeletal Pain. *JAMA Network Open* 2018;1(8):e185909.
 34. Moshfegh J, George SZ, **Sun EC**. Risk and Risk Factors for Chronic Opioid Use Among Opioid-Naïve Patients with Newly Diagnosed Musculoskeletal Pain in the Neck, Shoulder, Knee, or Low Back. *Annals Internal Medicine* 2019;170(7):504-505.
 35. Butwick AJ, Bentley J, Wong CA, Snowden JM, **Sun EC**, Guo N. United States State-Level Variation in the Use of Neuraxial Analgesia During Labor for Pregnant Women. *JAMA Network Open* 2018;1(8):e186567.
 36. Kent ML, Hurley RW, Oderda GM, Gordon DB, **Sun EC**, et al. American Society for Enhanced Recovery and Perioperative Quality Initiative-4 Joint Consensus Statement on Persistent Perioperative Opioid Use: Definition, Incidence, Risk Factors, and Health Care System Initiatives. *Anesthesia and Analgesia* 2019;129(2):543-552.
 37. **Sun EC**, Mello MM, Rishel CA, et al. Association of Overlapping Surgery with Perioperative Outcomes. *JAMA* 2019;321(8):762-772.
 38. O'Connell C, Dexter F, Mauler DJ, **Sun EC**. Trends in Direct Hospital Payments to Anesthesia Groups: A Retrospective Cohort Study of Nonacademic Hospitals in California. *Anesthesiology* 2019;131(3):534-542.
 39. Memtsoudis SG, Cozowicz C, Bekeris J, et al. Anaesthetic Care of Patients Undergoing Primary Hip and Knee Arthroplasty: Consensus Recommendations from the International Consensus on Anaesthesia-Related Outcomes After Surgery group (ICAROS) Based on a Systematic Review and Meta-analysis. *British Journal Anaesthesia* 2019; 123(3):269-287.
 40. **Sun EC**, Mello MM, Moshfegh J, Baker LC. Assessment of Out-of-Network Billing for Privately Insured Patients Receiving Care in In-Network Hospitals. *JAMA Internal Medicine* 2019;179(11):1543-1550.
 41. Haight EF, Chen F, Tanaka P, Brock-Utne JG, Macario A, **Sun EC**, Tawfik VL. Predictors of Post-Anaesthesiology Residency Research Productivity: A Preliminary Report *British Journal of Anaesthesia* 2019;123(5):e522-e524.
 42. Tien M, Ku A, Martinez-Acero N, Zvara J, **Sun EC**, Cheung AT. The Penn Classification Predicts Hospital Mortality in Acute Stanford Type A and Type B Aortic Dissections. *Journal Cardiothoracic Vascular Anesthesia* 2020;34(4):867-873.
 43. Nekhendzy V, Saxena A, Mittal B, **Sun E**, Sung K, Dewan K, Damrose EJ. The Safety and Efficacy of Transnasal Humidified Rapid-Insufflation Ventilatory Exchange for Laryngologic Surgery. *The Laryngoscope* 2020;130(12):E874-E881.
 44. Ward A, De Souza E, Miller D, Wang E, **Sun EC**, Bambos N, Anderson TA. Incidence of and Risk Factors Associated with Prolonged and Persistent Postoperative Opioid Use in Children 0-18 Years of Age. *Anesthesia and Analgesia* 2020;131(4):1237-1248.
 45. Rishel CA, Zhang Y, **Sun EC**. Association Between Preoperative Benzodiazepine Use and Postoperative Opioid Use and Health Care Costs. *JAMA Network Open* 3(10):e2018761
 46. Cen X, Johnston DW, Kung CS, Shields MA, **Sun E**. The Link Between Health and Economic Preferences: Evidence from 22 OECD Countries. *Health Economics* 2021;30(4):915-920.
 47. CM Brummett, Evans-Shields J, England C, Kong AM, Lew CR, Henriques C, Zimmerman NM, **Sun EC**. Increased Health Care Costs Associated With New Persistent Opioid Use After Major Surgery

- in Opioid-Naïve Patients. *Journal of Managed Care and Specialty Pharmacy* 2021; 27(6):760-771.
48. Memtsoudis SG, Cozowicz C, Bekeris et al. Peripheral Nerve Block Anesthesia/Analgesia for Patients Undergoing Primary Hip and Total Knee Arthroplasty: Recommendations from the International Consensus on Anesthesia-Related Outcomes After Surgery (ICAROS) Group Based on a Systematic Review and Meta-Analysis of Current Literature. *Regional Anesthesia and Pain Medicine* 2021;46(11):971-985.
 49. Rishel CA, Angst MA, **Sun EC**. Preoperative Opioid Utilization Patterns and Postoperative Opioid Utilization After Surgery: A Retrospective Cohort Study. *Anesthesiology* 2021;135(6):1015-1026.
 50. **Sun EC**, Rishel CA, Jena AB. Association Between Changes in Postoperative Opioid Utilization and Long-Term Healthcare Spending Among Surgical Patients with Chronic Opioid Utilization. *Anesthesia and Analgesia* 2022;134(3):515-523.
 51. Zhao MZ, Whitney D, Guo N, **Sun EC**, Wong C, Bentley J, Butwick A. Association of Medicaid Expansion with Neuraxial Labor Epidural Use in the United States: A Retrospective Cross-Sectional Analysis. *Anesthesia and Analgesia* 2022; 134(3):505-514.
 52. **Sun EC**, Mello MM, Vaughn MT, Kheterpal S, Hawn MT, Dimick JB, Jena AB. Assessment of Perioperative Outcomes Among Surgeons Who Operated the Night Before. *JAMA Internal Medicine* 2022;182(7):720-728.
 53. Cen X, Jena AB, Mackey S, **Sun EC**. Surgeon Variation in Perioperative Opioid Prescribing and Medium or Long Term Opioid Utilization After Total Knee Arthroplasty: A Cross Sectional Analysis. *Anesthesiology* 2022;137(2):151-162.
 54. Dixit AA, Kim CY, Mariano ER, Krishnamoorthy V, Ohnuma T, Raghunathan K, Bryan WE, Bartels K, **Sun EC**. Hospital-level Variability in Regional Nerve Block Administration by Race for Total Knee Arthroplasty. *Reg Anes Pain Medicine* 2022 (ePub ahead of print)
 55. **Sun EC**, Rishel CA, Waljee JF, Brummett CM, Jena AB. Association Between State Limits on Opioid Prescribing and the Incidence of Persistent Postoperative Opioid Use Among Surgical Patients. *Annals of Surgery* 2023;277(4):e759-e765
 56. Bartels K, Howard-Quijano K, Prin M, Shaefi S, Steppan J, **Sun EC**, et al. Meeting Report: First Cardiovascular Outcomes Research in Perioperative Medicine Conference. *Anesthesia and Analgesia* 2023;136(2):418-420.
 57. Du A, Rishel CA, **Sun EC**. Association Between Naloxone Co-Prescription Mandates and Post-Operative Outcomes. *Annals of Surgery* 2023 (ePub Ahead of Print)
 58. Dixit A, Heavner D, Baker LC, **Sun EC**. Association Between “Balance Billing” Legislation and Anesthesia Payments in California: A Retrospective Analysis. *Anesthesiology* 2023;139(5):580-590.
 59. Dixit AA, Sekeres G, Mariano ER, Memtsoudis SG, **Sun EC**. Association of Patient Race and Hospital with Utilization of Regional Anesthesia for Treatment of Postoperative Pain in Total Knee Arthroplasty: A Retrospective Analysis Using Medicare Claims. *Anesthesiology* 2023;140(2):220-230.
 60. Gessner DM, **Sun E**, Fielding-Sing V. Variations in Operating Room Staff Compliance with Mandatory Daily Electronic COVID-19 Screening. *British Journal of Anaesthesia* 2023;130(1):e10-e12
 61. Stockert EW, Carvalho B, **Sun EC**. A Cost and Waste-Savings Comparison Between Single-Use and Reusable Pulse Oximetry Sensors Across US Operating Rooms. *Anesthesia Analgesia* 2024 (ePub ahead of print)
 62. Sekeres G, Miller TR, Mariano ER, Glance LG, **Sun EC**. Association Between Anesthesia Group Size and Merit-Based Incentive Payment System Scores. *Anesthesiology* 2024; 140(4):853-855.
 63. Dixit AA, Bateman BT, Hawn MT, Odden MC, **Sun EC**. Preoperative GLP-1 Receptor Agonist Use and Risk of Pulmonary Complications. *JAMA* 2024;331(19):1672-1673.
 64. Naik B, Lele A, Sharma D, Akkermans A, Vlisides PE, Colquhoun DA, Domino KB, Tsang S, **Sun E**, Dunn

- LK. Variability in Intraoperative Opioid and Nonopioid Utilization During Intracranial Surgery: A Multicenter, Retrospective Cohort Study. *Journal Neurosurgical Anesthesiology* 2024 (ePub)
65. Laserna A, can Wijngarrden E, **Sun EC**, Li Y, Nates JL, Glance LG. Racial and Ethnic Disparities in Failure-to-Rescue After Postoperative Sepsis After Noncardiac Surgery. *Anesthesia Analgesia* 2024 (ePub Ahead of Print)
66. Dixit AA, Bateman BT, Hawn MT, Odden MC, **Sun EC**. Preoperative SGLT2 Inhibitor Use and Postoperative Diabetic Ketoacidosis. *JAMA Surgery* 2025 (ePub ahead of print).

Other Peer-Reviewed Publications (editorials, reviews)

1. Philipson TJ, **Sun EC**. Is the FDA Safe And Effective? *Journal of Economic Perspectives* 2008;22(1):85-102
2. **Sun EC**, Dexter, F. Macario A. Can an Acute Pain Service Be Cost-Effective?" *Anesthesia and Analgesia* 2010;111:841-844.
3. **Sun EC**. Does the Modifier "QZ" Accurately Reflect Independent Nurse Anesthetist Practice: And Why Does it Matter? *Anesthesia and Analgesia Case Reports* 2016;6(7):220-221.
4. Lu AC, Wald SH, **Sun EC**. Into the Wilderness? The Growing Importance of Non-Operating Room Anesthesia Care in the United States. *Anesthesia and Analgesia* 2017;124(4):1044-1046.
5. Hah JM, Bateman BT, Ratliff J, Curtin C, **Sun EC**. Chronic Opioid Use After Surgery: Implications for Perioperative Management in the Face of the Opioid Epidemic. *Anesthesia and Analgesia* 2017;125(5):1733-1740.
6. **Sun EC**, Mao J, Anderson TA. Treating Chronic Pain: is Buprenorphine the (or even an) Answer? *Anesthesia and Analgesia* 2018;127(2):336-337.
7. **Sun EC**, Memtsoudis SG, Mariano ER. Regional Anesthesia: A Silver Bullet, Red Herring, or Neither? *Anesthesiology* 2019;131(6):1205-6
8. Dunn LK, **Sun EC**. Mind Over Matter: Reducing Perioperative Opioid Use through Patient Education. *Anesthesia Analgesia* 2020;90(5-6):1306-1325
9. Shadbolt C, Abbott JH, Camacho X., Clarke P., Lohmander LS, Spelman T, **Sun EC** et al. The Surgeon's Role in the Opioid Crisis: A Narrative Review and Call to Action. *Frontiers in Surgery* 2020;7(4)
10. **Sun EC**. How can Anesthesiologists Influence Policymaking? Reflections from a Year at the Council of Economic Advisers. *Anesthesiology* 2021;134(6):841-844.
11. **Sun EC**, Mariano ER, Nauroze S, et al. Making a Business Plan for Starting a Transitional Pain Service within the US Health Care System. *Reg Anes Pain Med* 2021;46(8):727-731.
12. Benzon HT, **Sun EC**, Chou R. The Opioid Crisis, Centers for Disease Control Opioid Guidelines, and Nalaxone Co-Prescription for Patients at Risk for Opioid Overdose. *Anesthesia and Analgesia* 2022;135(1):21-25.
13. Dixit AA, **Sun EC**. Improving Patient Care and Enhancing Surgical Efficiency: Strategies to Reduce Same-Day Surgical Cancellations. *Anaesthesia* 2024 (epub ahead of print)
14. Jivraj NK, **Sun E**, Dunn LK, Shanthanna. Persistent Postoperative Opioid Use: Progressing from Risk Identification to Risk Reduction. *Anesthesia and Analgesia* 2024;139(4):683-686.
15. Forero J, **Sun EC**, Mariano ER, Dixit AA. Anesthesia Care for Patients Undergoing Total Joint Arthroplasty: A Narrative Review of Disparities in Regional Anesthesia and Recommendations for Future Research Directions. *Current Anesthesiology Reports* 2024;15(1)

Non Peer-Reviewed Publications

1. Jena AB, Philipson TJ, **Sun EC**. Commentary on "Personal Decisions are the Leading Cause of

- Death. *Operations Research* 2008;56(6): online commentary.
- Philipson TJ, **Sun EC**. Regulating the Safety and Efficacy of Prescription Drugs. 2008. Column posted at <http://www.voxeu.org/index.php?q=node/804>
 - Philipson TJ, Jena AB, **Sun, EC**. The Institute of Medicine Report on the FDA: Where is the Science. *Health Economics* 2007;16(3), pp. 219-221.
 - Sood N, **Sun EC**, Daugherty L, Ghosh A. How Much is Too Much? An Analysis of Health Plan Profits and Administrative Costs in California. *California Health Care Foundation Research Brief*. 2009.
 - Sun EC**, Jena AB, Lakdawalla, D, Reyes Carolina, Philipson TJ, Goldman DP. An Economic Evaluation of the War on Cancer. 2010. Column posted at <http://www.VoxEU.org/index.php?q=node/4476>.
 - Philipson TJ, **Sun EC**. Cost of Caution: The Impact on Patients of Delayed Drug Approvals. *Project FDA Report*, Manhattan Institute. 2010.
 - Philipson T, **Sun EC**. Quantifying the High Cost of Caution may Speed Drug Approval Process." Editorial, *Investor's Business Daily*, June 14, 2010.
 - Jena AB, **Sun EC**, Prasad V. Firearm Legislation and Gun-Related Fatalities. *JAMA Internal Medicine* 2013;173(21):2011.
 - Sun EC**, Jena AB. Overlapping Surgery is Safe for Most Patients, but not All. *Stat News*, February 26, 2019. Posted online at <https://www.statnews.com/2019/02/26/overlapping-surgery-safe-most-patients/>
 - Shah S, **Sun E**. Rating the Medicare Advantage Star Ratings-Improving the Status Quo. Posted online at <https://www.healthaffairs.org/doi/10.1377/hblog20210128.803030/full/>

Book Chapters

- Philipson, Tomas J.; **Sun, EC**; Goldman, Dana P (2011), "Do We Need the FDA? Improving the Regulation of Pharmaceutical Products." In: *Regulation vs Litigation: Perspectives from Economics and Law*, ed. by Daniel Kessler and Andrei Shleifer. University of Chicago Press, Chicago, IL.

Books

- Philipson, Tomas J.; Jena, Anupam B.; **Sun, Eric** (2010), *Health and Wealth Disparities in the United States*. American Enterprise Institute Press, Washington D.C.

Editorial Service

Associate Editor, *Anesthesia and Analgesia* (2015-)

Associate Editor, *Anesthesiology* (2019-)

Reviewer for *American Economic Review*, *American Journal of Managed Care*, *Annals of Internal Medicine*, *British Medical Journal*, *Circulation*, *Forums in Health Economics and Policy*, *Health Affairs*, *Journal of Health Economics*, *JAMA*, *JAMA Internal Medicine*, *JAMA Network Open*, *JAMA Oncology*, *Journal of Industrial Organization*, *New England Journal of Medicine*, *Pediatrics*

Consulting Services

Retained for two litigation cases; provided expert report and deposition for one case

Funding

Current Funding

- 09/2024-08/2029 Usage of Novel Linked Databases to Improve the Perioperative Management of Patients with Alzheimer's Disease and Related Dementias. National Institute on Aging RF1AG085589 (PI, 40% effort. R01 that received multiyear funding through the RF1 mechanism)
- 09/2023-08/2025 The Use of Novel Linked Databases to Reduce Postoperative Opioid Use Among Patients Undergoing Inpatient Surgery. National Institute on Drug Abuse R61DA059168 (mPI, 15% effort. First part of a phased R61/R33 that becomes a R33 with 40% effort from 09/2025-08/2028 conditional on meeting project milestones)

Past Funding

- 09/2021-07/2024 Prescribing of Opioids at Hospital Discharge and Associated Patient Outcomes. Agency for Healthcare Research and Quality R01HS026753 (Co-Investigator, 10% Effort)
- 08/2017-09/2024 The Epidemiology and Economics of Chronic Back Pain. National Institute on Drug Abuse K08DA042314. (PI, 75% Effort)
- 09/2020-05/2022 Use of Prescription Opioids Following Surgery and Associated Adverse Patient Outcomes in Older Adults. National Institute on Aging R56059620 (Co-Investigator, 10% Effort)
- 2018-2019 Are the Mentally Ill Rational? Seed Grant from the Center on the Demography and Economics of Health and Aging, Stanford University (PI).
- 2017-2018 Medicare Locality Payments and Physician Location Decisions. Seed Grant from the Center on the Demography and Economics of Health and Aging, Stanford University (PI).
- 2016-2017 Anesthesia Care Teams and Perioperative Outcomes. Research Grant from the American Society of Anesthesiologists. (PI)
- 2014-2016 The Economics of Chronic Pain. Mentored Research Training Grant from the Foundation for Anesthesia Education and Research. (PI)
- 2008 An Economic Evaluation of the War on Cancer. Genentech, Inc. (PI)
- 2008 The Welfare Effects of Regulating Pharmaceutical Safety. RAND Institute for Civil Justice. (PI)
- 2008 The Effects of Regulating Administrative Costs in California. California Healthcare Foundation. (Co-Investigator)
- 2008 The Effect of BTC/OTC Switches on Drug Utilization, Prices, and Health. Assistant Secretary for Planning and Evaluation, Department of Health and Human Services. (Co-Investigator)

Professional Service

Member, Committee on Economics, American Society of Anesthesiologists (2023-present)

Member, Committee on Research, American Society of Anesthesiologists (2023-present)
Member, Committee on Anesthesia Workforce Trends, American Society of Anesthesiologists (2018-2019)
Member, National Academies of Science, Engineering, and Medicine *ad hoc* Committee on Evidence-Based Clinical Practice Guidelines to Prescribing Opioids for Acute Pain (2018-2019)
Member, Committee on Health and Public Policy, American Society of Anesthesiologists (2015-2017)

Invited Presentations

2024 COR-PM, AUA, ASA Annual Meeting
2023 COR-PM, AUA, University of Nebraska
2022 COR-PM, AUA
2021 GWU (Alpert Memorial Lecture), MPOG, ASA Annual Meeting, AUA
2019 University of Melbourne, Monash University, University of Hong Kong, MPOG
2018 National University of Singapore, Stanford University, AUA, Australian Health Economics Conference
2017 Stanford University, AUA, Australian Health Economics Conference
2016 AAPM, Stanford University, Australian Health Economics Conference
2015 UCSF, Stanford University, Cornell University, Cleveland Clinic
2014 Anesthesiology 2014 meeting (New Orleans, LA), Stanford University
2013 Annual Health Economics Conference (University of Pennsylvania), Vanderbilt University
2011 Australian Health Economics Society (Melbourne)
2010 University of Illinois (Chicago)
2009 University of Chicago
2008 University of Chicago (x2), American Society of Health Economists (Duke University), Policy Briefing for California Senior Executive and Legislative Staff (Sacramento, CA), NBER
2007 ESF Research Conference, (Castle Salzau, Germany), Human Capital Conference (SUNY Buffalo), 17th Annual Health Economics Conference (Arizona State University), Harvard University
2006 Ad Hoc Economics Group (New Brunswick, NJ)

Teaching

2008 “Foundations of Health Economics” (PhD level course at the RAND Pardee Graduate School)
2004-2006 “Foundations of Microeconomic Analysis” (Introductory microeconomics course for undergraduates at the University of Chicago)
2004-2006 “Introductory Microeconomics.” Introductory Microeconomics course for MBA students. Teaching Assistant for 180 students