Christopher M. Whaley

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Professional Experience

2023-Present Associate Professor, Department of Health Services, Policy and Practice, *Brown University School of Public Health*
Associate Director, *Brown University Center for Advancing Health Policy through Research*
2025-Present *Markets and Competition Lab Lead*
2019-2023 Economist, *RAND Corporation*
2019-2023 Professor, *RAND Pardee Graduate School*
2021-2023 Core Member, *RAND Center for Causal Inference*
2016-2019 Associate Policy Researcher, *RAND Corporation*
2015-2016 Research Economist, *Berkeley Center for Health Technology*

External Service and Professional Activities

2026-Present Editorial Board, *American Journal of Health Economics*
2025-Present Advisor, Employer Health Claims Collaborative
2025-Present NIHCM Foundation Research Award Judge
2024-Present Governing Board, Health Care Cost Institute
2022-Present Editorial Board, *Medical Care Research and Review*
2021-Present Editorial Board, *Health Services Research*
2022-Present Advisory Board, Texas Employers for Affordable Healthcare
2022 Member, Expert Panel on the No Surprises Act and Health Care Consolidation, Assistant Secretary for Planning and Evaluation
2021-2022 Mentor, California Public Employees' Retirement System Health Care Training Academy

Education

2011-2015 University of California, Berkeley, Ph.D., Health Policy (Economics Track)
2004-2008 University of Chicago, B.A., Economics

Awards and Honors

2024 Finalist, NIHCM Foundation Annual Health Care Research Award
2022 *National Association of Health Data Organizations*, Innovation in Data Dissemination Award
2021 *American Journal of Managed Care*, Seema S. Sonnad Emerging Leader in Managed Care Research Award
2020 Conference on Health IT and Analytics, Young Scholar Award
2020 RAND Gold Medal
2019 RAND Bronze Medal
2018 RAND Health Associate Peer Mentor Award
2015 AHRQ Research Conference Director's Award
2015 Finalist, NIHCM Foundation Annual Health Care Research Award

Teaching

2024-2025 Measuring and Improving the Quality of Health Care (*Brown MPH students*)

2021-2023 Health Economics (*RAND PhD students*)
2015-2019 Microeconomics of Health Care Policy (*Health economics for UC Berkeley MBA, MPH, and PhD students*)

Invited Testimony

U.S. House Ways and Means Oversight Subcommittee. September 2025. Reassessing the Value of Nonprofit Hospital Tax Exemptions: Community Benefit or Missed Opportunity? https://waysandmeans.house.gov/wp-content/uploads/2025/09/Whaley_Ways-and-Means-Nonprofit-Hospitals-.pdf

Vermont House Committee on Health Care. April 2025. S.126 Payment Reforms
Presentation: "Vermont Healthcare Affordability: Cost Drivers and Economic Impacts" https://gmcboard.vermont.gov/legislative-testimony

California Office of Health Care Affordability Board. August 2024. Examining Monterey-Area Hospital Prices.

United States Senate Special Committee on Aging. July 2024. Health Care Transparency: Lowering Costs and Empowering Patients.
Statement: Whaley, Christopher. 2024. "*Health Care Price Transparency Opportunities to Lower Costs and Improve Competition.*" https://www.aging.senate.gov/download/testimony_whaley-071124

Oregon Senate Interim Committee on Health Care. May 2024. *Price Transparency and Uses of All-Payer Claims Data*.

U.S. House Education and Workforce Committee, Subcommittee on Health, Employment, Labor, and Pensions. January 2024. *Lowering Costs and Increasing Access to Health Care with Employer-Driven Innovation*.
Statement: Whaley, Christopher M. 2024. "*Reducing Costs and Improving Access to Care: Employer-Driven Health Benefit Design Innovations*." https://www.rand.org/pubs/testimonies/CTA3159-1.html

U.S. Senate Committee on Health, Education, Labor, and Pensions. May 2023. *Price Transparency Roundtable*.

U.S. House Ways and Means Committee. May 2023. *Full Committee Hearing on Health Care Price Transparency: A Patient's Right to Know*.
Statement: Whaley, Christopher M. 2023. "*Health Care Price Transparency: Opportunities to Improve Affordability and Data Effectiveness*," May. https://www.rand.org/pubs/testimonies/CTA2767-1.html

Texas House of Representatives Select Committee on Health Care Reform. August 2022.
Statement: Whaley, Christopher M. 2022. "*Health Care Affordability: State Policy Options to Control Costs*." RAND Corporation. https://www.rand.org/pubs/testimonies/CTA2157-1.html

California State Assembly Committee on Health. October 2020. "*Health Care Affordability: How to Control Costs in California?"*

Publications

Peer Reviewed Publications (Economics)

1. Munnich, Elizabeth L., Michael R. Richards, Christopher M. Whaley, and Xiaoxi Zhao. 2026. "Raising the Stakes: Physician Facility Investments and Provider Agency." *American Economic Review* 116 (2): 502–34. https://doi.org/10.1257/aer.20211324.

2. Mizushima, Yuji, Christopher Whaley, and Hao Yu. 2025. "The Repeal of Noneconomic Damage Caps and Medical Malpractice Insurance Premiums." *Health Economics* 34 (12): 2223–37.

https://doi.org/10.1002/hec.70032.

3. Agrawal, Virat, Jonathan H. Cantor, Neeraj Sood, and **Christopher M. Whaley**. 2025. "The Impact of the COVID-19 Vaccine Distribution on Mental Health Outcomes." *Accepted, American Journal of Health Economics* https://doi.org/10.3386/w29593.
Media coverage: MarketWatch, The Economist

4. Bravata, Dena, Jonathan Cantor, Neeraj Sood, and **Christopher Whaley**. 2025. "Back to School: The Effect of School Visits During COVID-19 on COVID-19 Outcomes." *Journal of Health Economics*, June, 103025. https://doi.org/10.1016/j.jhealeco.2025.103025.

5. Lin, Haizhen, Ian M. McCarthy, Michael Richards, and **Christopher Whaley**. 2025. "Owning the Agent: Hospital Influence on Physician Behaviors." *Journal of Human Resources*, May. https://doi.org/10.3368/jhr.0723-13024R2.

6. Levin, Jonathan S., Xiaoxi Zhao, and **Christopher Whaley**. 2025. "Impact of Hospital-Physician Vertical Integration on Physician-Administered Drug Spending and Utilization." *Health Economics* 34 (2): 345–67. https://doi.org/10.1002/hec.4909.

7. **Whaley, Christopher M**., and Xiaoxi Zhao. 2024. "The Effects of Physician Vertical Integration on Referral Patterns, Patient Welfare, and Market Dynamics." *Journal of Public Economics* 238 (October):105175. https://doi.org/10.1016/j.jpubeco.2024.105175.

8. Richards, Michael R., and **Christopher M. Whaley**. 2024. "Hospital Behavior over the Private Equity Life Cycle." *Journal of Health Economics*, May, 102902. https://doi.org/10.1016/j.jhealeco.2024.102902.

9. Lin, Haizhen, Elizabeth L. Munnich, Michael R. Richards, **Christopher M. Whaley**, and Xiaoxi Zhao. 2023. "Private Equity and Healthcare Firm Behavior: Evidence from Ambulatory Surgery Centers." *Journal of Health Economics*, August, 102801. https://doi.org/10.1016/j.jhealeco.2023.102801.
2024 NIHCM Foundation Annual Health Care Research Award Finalist

10. Rabideau, Brendan, Michael R. Richards, and **Christopher M. Whaley**. 2024. "Training Labor and Treatment Behavior: Evidence from Physician Residency Programs." *Health Economics* https://doi.org/10.1002/hec.4841.

11. Agrawal, Virat, Jonathan Cantor, Neeraj Sood, and **Christopher Whaley**. 2023 "The Impact of COVID-19 Shelter-in-Place Policy Responses on Excess Mortality." *Health Economics*. https://doi.org/10.1002/hec.4737.

12. Cantor, Jonathan, Neeraj Sood, Dena M. Bravata, Megan Pera, and **Christopher Whaley**. 2022. "The Impact of the COVID-19 Pandemic and Policy Response on Health Care Utilization: Evidence from County-Level Medical Claims and Cellphone Data." *Journal of Health Economics*, January, 102581. https://doi.org/10.1016/j.jhealeco.2022.102581.

13. Richards, Michael R., Jonathan Seward, and **Christopher Whaley**. 2021. "Treatment Consolidation after Vertical Integration: Evidence from Outpatient Procedure Markets." *Journal of Health Economics*, November, 102569. https://doi.org/10.1016/j.jhealeco.2021.102569.

14. Chen, Alice J., Michael R. Richards, **Christopher M. Whaley**, and Xiaoxi Zhao. 2022. "The Extent of Externalities from Medicare Payment Policy." *American Journal of Health Economics* 8 (2): 181–215. https://doi.org/10.1086/718769.

15. Aouad, Marion, Timothy T. Brown, and **Christopher M. Whaley**. 2021. "Understanding the Distributional Impacts of Health Insurance Reform: Evidence from a Consumer Cost-Sharing Program." *Health Economics* 30 (11): 2780–93. https://doi.org/10.1002/hec.4410.

16. **Whaley, Christopher M**. 2019. "Provider Responses to Online Price Transparency." *Journal of Health Economics* 66 (June): 241–59.

17. **Whaley, Christopher**, Timothy Brown, and James Robinson. "Consumer responses to price transparency alone versus price transparency combined with reference pricing." *American Journal of Health Economics* 5, no. 2 (2019): 227-249.

18. Aouad, Marion, Timothy T. Brown, and **Christopher M. Whaley**. 2019. "Reference Pricing: The Case of Screening Colonoscopies." *Journal of Health Economics* 65 (May): 246–59.

19. **Whaley, Christopher M**., and Timothy T. Brown. 2018. "Firm Responses to Targeted Consumer Incentives: Evidence from Reference Pricing for Surgical Services." *Journal of Health Economics* 61 (September): 111–33.

20. **Whaley, Christopher**, Chaoran Guo, and Timothy T. Brown. 2017. "The Moral Hazard Effects of Consumer Responses to Targeted Cost-Sharing." *Journal of Health Economics* 56:201–21.

21. Frech, H.E., III., **Christopher Whaley**, Benjamin R. Handel, Liora Bowers, Carol J. Simon, and Richard M. Scheffler. 2015. "Market Power, Transactions Costs, and the Entry of Accountable Care Organizations in Health Care." *Review of Industrial Organization, vol. 47, 167-193.*

Working Papers (Economics)

- Richards, Michael and Christopher Whaley. 2026. The Current Era of Health Care Industry Consolidation. *Revise and Resubmit, Journal of Economic Perspectives.*

- Damberg, Cheryl, Michael Richards, Christopher Whaley, Xiaoxi Zhao. 2024. "Efficiency in Organizational Structure? Assessing Heterogeneous Effects in Hospital-Physician Integration. *Revise and Resubmit, Journal of Health Economics.* *https://www.rand.org/pubs/external_publications/EP70637.html*

- Richards, Michael R., Maggie Shi, and Christopher M. Whaley. 2025. "Economic Shocks and Healthcare Capital Investments." Working Paper. Working Paper Series. National Bureau of Economic Research. https://doi.org/10.3386/w33487. *Revise and Resubmit, American Economic Journal: Economic Policy*

- Alpert, Abby E., Atul Gupta, Michael R. Richards, Sarah D. Schutz, and Christopher M. Whaley. 2026. "Does Advertising Expand the Market for Hospital Services? Evidence from Medicare." Working Paper No. 34657. Working Paper Series. National Bureau of Economic Research, January. https://doi.org/10.3386/w34657. *Revise and Resubmit, Journal of Health Economics*

- Arnold, Daniel and Christopher Whaley, Who Pays for Health Care Costs? The Effects of Health Care Prices on Wages. Santa Monica, CA: RAND Corporation, 2020. https://www.rand.org/pubs/working_papers/WRA621-2.html.

- Richards, Michael R., Maggie Shi, and Christopher M. Whaley. 2024. "Managing Margins: PE Effects on Financial, Physical, and Human Capital." Working Paper. National Bureau of Economic Research. https://doi.org/10.3386/w32840. *Revise and Resubmit Journal of Industrial Economics*

- Brownstein, John, Jonathan H. Cantor, Benjamin Rader, Kosali I. Simon, and Christopher M. Whaley. 2022. "If You Build It, Will They Vaccinate? The Impact of COVID-19 Vaccine Sites on Vaccination Rates and Outcomes." w30429. National Bureau of Economic Research. https://doi.org/10.3386/w30429.

- Agrawal, Virat, Neeraj Sood, and Christopher M. Whaley. 2022. "The Ex-Ante Moral Hazard Effects of COVID-19 Vaccines" w30602. National Bureau of Economic Research. https://doi.org/10.3386/w30602.

- Myers, David, Jay Shroff, Yashaswini Singh, and Christopher M. Whaley. "Corporate Practice of Medicine: Vertical Alignment and Medicare Advantage Risk Coding." https://repository.library.brown.edu/studio/item/bdr:7f6add9m/

- Chartock, Benjamin and Christopher Whaley. "Bidding in Arbitration: Negotiated Rates from Disputes Between Insurers and Doctors in the No Surprises Act." https://repository.library.brown.edu/studio/item/bdr:xvmbam9w/

- Arnold, Daniel, Nandita Radhakrishnan, and Christopher Whaley. 2025. "Foisted: The Spillover Effects of Hospital Mergers on Costs and Utilization." SSRN Scholarly Paper. Rochester, NY: Social Science Research Network. https://papers.ssrn.com/abstract=5265291.

- Richards, Michael R., Jonathan Seward, and Christopher M. Whaley. 2025. *Returns to Trainees in a Highly Regulated Labor Market*. No. W34365. National Bureau of Economic Research. https://doi.org/10.3386/w34365.

- Cantor, Jonathan H., Jill Horwitz, Christopher M. Whaley, and Anthony Yu. 2025. "The Relationship Between Certificate of Need Laws and Mortality." Working Paper No. 34403. Working Paper Series. National Bureau of Economic Research, October. https://doi.org/10.3386/w34403.

- Arnold, Daniel R., Michael R. Richards, and Christopher M. Whaley. 2026. "Stress Relief? Externalities from Specialty Hospital Entry." Working Paper No. 34772. Working Paper Series. National Bureau of Economic Research, January. https://doi.org/10.3386/w34772.

- Oh, Hyesung and Christopher Whaley. 2026. "Delivering Amidst Consolidation: Implications of Hospital Mergers on Newborn and Maternal Outcomes in the US Medicaid Program" https://github.com/hyesunghaceoh/hyesunghaceoh.github.io/blob/main/jmp/2025-11-14_Oh-JMP_Whaley_Hospital_Mergers_Natality.pdf

- Radhakrishnan, Nandita, Christopher Whaley, and Yashaswini Singh. 2026. "Mergers without Borders: Private Equity Rollups of Physician Practices"

Peer Reviewed Publications (Health Policy and Health Services Research)

22. Robinson, James, Ari Kosorukov, and **Christopher Whaley**. 2026 "Hospital Adoption and Pricing for Oncology Biosimilars. *Accepted, JAMA*

23. Arnold, Daniel R., Megha Reddy, Jonathan Cantor, et al. 2026. "Private Equity in Autism Services." *JAMA Pediatrics*, 2026. https://doi.org/10.1001/jamapediatrics.2025.5443.

24. McBain, Ryan K., Jonathan Cantor, Rose Kerber, Cheryl L. Damberg, and **Christopher M. Whaley**. 2026. "Telehealth vs In-Person Outpatient Mental Health Service Use and Spending Among Medicare Beneficiaries From 2019 to 2023." *JAMA Network Open* 9 (1): e2552239. https://doi.org/10.1001/jamanetworkopen.2025.52239.

25. Murray, Roslyn C, Haroon Janjua, and **Christopher M Whaley**. 2025. "Site-Neutral Payment for Routine Services Could Save Commercial Purchasers and Patients Billions." *Health Affairs Scholar* 3 (12): qxaf241. https://doi.org/10.1093/haschl/qxaf241.

26. Murray, Roslyn C., Andrew M. Ryan, and **Christopher M. Whaley**. 2025. "Hospital Finances, Operations, And Patient Experience Remain Stable After Oregon's Hospital Payment Cap Was Implemented." *Health Affairs* 44 (12): 1482–89. https://doi.org/10.1377/hlthaff.2025.00682.

27. Cantor, Jonathan, Rose Kerber, Cheryl L. Damberg, and **Christopher M. Whaley**. 2025. "US Physician Medicare Program Participation and Exit, 2013-2023." *JAMA* 334 (19): 1763–65. https://doi.org/10.1001/jama.2025.15343.

28. Nguyen, Thuy D., **Christopher M. Whaley**, Kosali Simon, et al. 2025. "Adoption of Artificial Intelligence in the Health Care Sector." *JAMA Health Forum* 6 (11): e255029. https://doi.org/10.1001/jamahealthforum.2025.5029.

29. Philips, Alexander P., Nandita Radhakrishnan, **Christopher M. Whaley**, and Yashaswini Singh. 2025. "Hospital- And Private Equity–Affiliated Specialty Physicians Negotiate Higher Prices Than Independent Physicians." *Health Affairs* 44 (10): 1226–34. https://doi.org/10.1377/hlthaff.2025.00493.

30. Zhao, Xiaoxi, **Christopher M. Whaley**, Elizabeth L. Munnich, Jessica Y. Lee, and Ashley M. Kranz. 2025. "Pricing and Insurance Networks in Outpatient Surgery Markets." *The American Journal of Managed Care* 31 (10): 571–74. https://doi.org/10.37765/ajmc.2025.89807.

31. Kranz, Ashley M., Xiaoxi Zhao, Elizabeth Munnich, Jessica Y. Lee, and **Christopher Whaley**. 2025. "Medicaid Payments and Outcomes for Pediatric Dental Surgical Procedures by Site of Care." *JAMA Network Open* 8 (10): e2537081. https://doi.org/10.1001/jamanetworkopen.2025.37081.

32. Maughan, Matthew P., Andrew M. Ryan, Nandita Radhakrishnan, and **Christopher M. Whaley**. 2025. "Commercial Insurers Paid More For Procedures At Hospital Outpatient Departments Than At Ambulatory Surgical Centers." *Health Affairs* 44 (10): 1291–97. https://doi.org/10.1377/hlthaff.2025.00297.

33. Pearson, Steven D, **Christopher M Whaley**, and Sarah K Emond. 2025. "Affordable Access to GLP-1 Obesity Medications: Strategies to Guide Market Action and Policy Solutions in the US." *Journal of Comparative Effectiveness Research* 14 (9): e250083. https://doi.org/10.57264/cer-2025-0083.

34. Khunte, Mihir, Nandita Radhakrishnan, **Christopher Whaley**, and Yashaswini Singh. 2025. "Association of Private Equity and Hospital Consolidation and Negotiated Prices of Radiologic Services." *Journal of the American College of Radiology*, ahead of print, September 2. https://doi.org/10.1016/j.jacr.2025.07.008.

35. Shepherd, Martha, Pen-Che Ho, Jon Harris-Shapiro, et al. 2025. "The Effects of a Digital Digestive Care Management Program on Employee Absenteeism." *Journal of Occupational and Environmental Medicine* 67 (9): e612–15. https://doi.org/10.1097/JOM.0000000000003441.

36. Singh, Yashaswini, Jonathan Cantor, **Christopher M. Whaley**, Bryant Shuey, Rebecca Bilden, and J. Travis Donahoe. 2025. "Private Equity Acquiring Large Shares Of The Opioid Treatment Market Without Changing Market-Level Methadone Supply." *Health Affairs* 44 (9): 1181–89. https://doi.org/10.1377/hlthaff.2025.00326.

37. Fang, Cal Chengqi, Sabrina D. Wang, Jonathan Cantor, **Christopher M. Whaley**, Brian Briscombe, and Joseph Dov Bruch. 2025. "Pay Gap Between Nonprofit Hospital CEOs And Employees Grew, 2009–23." *Health Affairs* 44 (8): 953–62. https://doi.org/10.1377/hlthaff.2024.01494.

38. Philips, Alexander P., and **Christopher Whaley**. 2025. "Commercial Price Variation in Ophthalmology." *JAMA Ophthalmology* 143 (8): 703–7. https://doi.org/10.1001/jamaophthalmol.2025.1693.

39. Philips, Alexander P., and **Christopher M. Whaley.** 2025. "Commercial Price Variation for Common Services in General Surgery." *JAMA Network Open* 8 (6): e2517818. https://doi.org/10.1001/jamanetworkopen.2025.17818.

40. Wang, Yang, Jared Perkins, **Christopher M. Whaley**, and Ge Bai. 2025. "Sharp Rise In Urban Hospitals With Rural Status In Medicare, 2017–23." *Health Affairs* 44 (8): 963–69. https://doi.org/10.1377/hlthaff.2025.00019.

41. Philips, Alexander P, and **Christopher Whaley**. 2025. "Commercial Price Variation for Common Imaging Studies." *Health Affairs Scholar* 3 (5): qxaf092. https://doi.org/10.1093/haschl/qxaf092.

42. Philips, Alexander P., and **Christopher M. Whaley**. 2025. "Commercial Price Variation for Emergency Services Evaluation and Management." *Annals of Emergency Medicine*, May. https://doi.org/10.1016/j.annemergmed.2025.04.016.

43. Robinson, James C., and **Christopher M. Whaley**. 2025. "Site-Neutral Payment And Biosimilars Competition Are Complementary Purchaser Strategies For Cancer Biologics." *Health Affairs* 44 (6): 677–83. https://doi.org/10.1377/hlthaff.2024.01549.

44. Ryan, Andrew M., **Christopher M. Whaley**, Erin C. Fuse Brown, Nandita Radhakrishnan, and Roslyn C. Murray. 2025. "Rhode Island's Affordability Standards Led To Hospital Price Reductions And Lower Insurance Premiums." *Health Affairs* 44 (5): 597–605.

https://doi.org/10.1377/hlthaff.2024.01146.

45. Nguyen, Thuy, **Christopher Whaley**, Kosali I. Simon, and Jonathan Cantor. 2025. "Health Care Workforce Recovery After the End of the COVID-19 Emergency." *JAMA*, June. https://doi.org/10.1001/jama.2025.8588.

46. Ryan, Andrew M., Anupama Warrier, Geronimo Bejarano, **Christopher M. Whaley**, David J. Meyers, and Meehir N. Dixit. 2025. "Trends in Plan Offerings, Enrollment, and Premiums in Medicare Advantage and Medigap." *Health Services Research*: e14456. https://doi.org/10.1111/1475-6773.14456.

47. Bejarano, Geronimo, Hamid Torabzadeh, Durga Borkar, **Christopher Whaley**, and Yashaswini Singh. 2025. "Private Equity Acquisitions and Industry Payments in Ophthalmology." *JAMA Ophthalmology*, February. https://doi.org/10.1001/jamaophthalmol.2025.0002.

48. Singh, Yashaswini, Geronimo Bejarano Cardenas, Hamid Torabzadeh, Durga Borkar, and **Christopher M. Whaley**. 2025. "Physician Turnover Increased In Private Equity–Acquired Physician Practices." *Health Affairs* 44 (3): 280–87. https://doi.org/10.1377/hlthaff.2024.00974.

49. **Whaley, Christopher**, Nandita Radhakrishnan, Michael Richards, Kosali Simon, and Benjamin Chartock. 2025. "Understanding Health Care Price Variation: Evidence from Transparency-in-Coverage Data." *Health Affairs Scholar* 3 (2): qxaf011. https://doi.org/10.1093/haschl/qxaf011.

50. Singh, Yashaswini, Nandita Radhakrishnan, Loren Adler, and **Christopher Whaley**. 2025. "Growth of Private Equity and Hospital Consolidation in Primary Care and Price Implications." *JAMA Health Forum* 6 (1): e244935. https://doi.org/10.1001/jamahealthforum.2024.4935.

51. Wang, Yang, **Christopher M. Whaley**, and Ge Bai. 2025. "Healthcare Price Transparency: Research Findings and Implications for Policy and Practice." *Journal of General Internal Medicine*, January. https://doi.org/10.1007/s11606-024-09295-4.

52. **Whaley, Christopher**, Marilyn Bartlett, and Ge Bai. 2024. "Financial Performance Gaps Between Critical Access Hospitals and Other Acute Care Hospitals." *JAMA Health Forum* 5 (12): e243959. https://doi.org/10.1001/jamahealthforum.2024.3959.

53. Crespin, Daniel, Michael Dworsky, Jonathan Levin, Teague Ruder, and **Christopher M. Whaley**. 2024. "Upcoding Linked To Up To Two-Thirds Of Growth In Highest-Intensity Hospital Discharges In 5 States, 2011–19." *Health Affairs* 43 (12): 1619–27. https://doi.org/10.1377/hlthaff.2024.00596.

54. Murray, Roslyn C., **Christopher M. Whaley**, Erin C. Fuse Brown, and Andrew M. Ryan. 2024. "Hospital Payment Caps Could Save State Employee Health Plans Millions While Keeping Hospital Operating Margins Healthy." *Health Affairs* 43 (12): 1680–88. https://doi.org/10.1377/hlthaff.2024.00691.

55. Singh, Yashaswini, Jonathan Cantor, Erin Fuse Brown, and **Christopher Whaley.** 2024. "Private Equity Penetration in Behavioral Health in the United States, 2010–2022." *Journal of General Internal Medicine*, November. https://doi.org/10.1007/s11606-024-09218-3.

56. Cantor, Jonathan, **Christopher M. Whaley**, Jason Ward, and Anupam B. Jena. 2024. "COVID-19 School Closures Were Associated with A Decline In Employment For Female Nurses With Young Children." *Health Affairs* 43 (9): 1329–37. https://doi.org/10.1377/hlthaff.2023.01250.

57. Yu, Anthony and **Christopher Whaley**. "Nursing Home Certificate of Need Moratoria during the COVID-19 Pandemic." *Accepted, Inquiry*

58. Khazanchi, Rohan, Benjamin Rader, Jonathan Cantor, Kathleen A. McManus, Dena M. Bravata, Rebecca Weintraub, **Christopher Whaley**, and John S. Brownstein. 2024. "Spatial Accessibility and Uptake of Pediatric COVID-19 Vaccinations by Social Vulnerability." *Pediatrics*, July, e2024065938. https://doi.org/10.1542/peds.2024-065938.

59. Zhao, Xiaoxi, Michael R Richards, Cheryl L Damberg, and **Christopher Whaley**. 2024. "Market Landscape and Insurer-Provider Integration: The Case of Ambulatory Surgery Centers." *Health Affairs Scholar*, June. https://doi.org/10.1093/haschl/qxae081.

60. Singh, Yashaswini, Megha Reddy, and **Christopher Whaley**. 2024. "Trends in Private Equity Consolidation in Cardiovascular Care." *JAMA Health Forum* 5 (6): e241478. https://doi.org/10.1001/jamahealthforum.2024.1478.

61. Robinson, James, **Christopher Whaley**, and Sanket Dhruva. 2024. "Prices and Complications in Hospital-Based and Freestanding Surgery Centers," *American Journal of Managed Care* April 2024, 30 (April): 179–84. https://doi.org/10.37765/ajmc.2024.89529

62. Loo, Theoren M., Myra Altman, Dena M. Bravata, and **Christopher Whaley**. 2024. "Medical Spending Among US Households With Children With a Mental Health Condition Between 2017 and 2021." *JAMA Network Open* 7 (3): e241860–e241860.

63. Robinson, James C., **Christopher Whaley**, and Sanket S. Dhruva. 2024. "Hospital Prices for Physician-Administered Drugs for Patients with Private Insurance." *New England Journal of Medicine* 390 (4): 338–45. https://doi.org/10.1056/NEJMsa2306609.

64. McDonald, Tim, Arindam Debbarma, **Christopher Whaley**, Rachel Reid, and Bryan Dowd. 2023. "Barriers Primary Care Clinic Leaders Face to Improving Value in a Consumer Choice Health Plan Design." *Health Affairs Scholar* 1 (6). https://doi.org/10.1093/haschl/qxad065.

65. Nguyen, Thuy, **Christopher Whaley**, Kosali I. Simon, and Jonathan Cantor. 2023. "Changes in Employment in the US Health Care Workforce, 2016-2022." *JAMA*, November. https://doi.org/10.1001/jama.2023.18932.

66. Kerber, Rose, Erin L. Duffy, and **Christopher Whaley**. 2023. "Commercial Payments for COVID-19–Associated Inpatient Stays in 2020." *JAMA Health Forum* 4 (11): e233711. https://doi.org/10.1001/jamahealthforum.2023.3711.

67. Chartock, Benjamin L., Kosali Simon, and **Christopher M. Whaley**. 2023. "Transparency in Coverage Data and Variation in Prices for Common Health Care Services." *JAMA Health Forum* 4 (10): e233663. https://doi.org/10.1001/jamahealthforum.2023.3663.

68. Kalmin, Mariah M., Jonathan H. Cantor, Dena M. Bravata, Pen-Che Ho, **Christopher Whaley**, and Ryan K. McBain. 2023. "Utilization and Spending on Mental Health Services Among Children and Youths With Commercial Insurance." *JAMA Network Open* 6 (10): e2336979. https://doi.org/10.1001/jamanetworkopen.2023.36979.

69. Cantor, Jonathan H., Ryan K. McBain, Pen-Che Ho, Dena M. Bravata, and **Christopher Whaley**. 2023. "Telehealth and In-Person Mental Health Service Utilization and Spending, 2019 to 2022." *JAMA Health Forum* 4 (8): e232645. https://doi.org/10.1001/jamahealthforum.2023.2645.
Media Coverage: Forbes, New York Times, Time, Washington Post

70. McBain, Ryan K., Jonathan Cantor, Megan F. Pera, Joshua Breslau, Dena M. Bravata, and **Christopher M. Whaley**. 2023. "Mental Health Service Utilization Rates Among Commercially Insured Adults in the US During the First Year of the COVID-19 Pandemic." *JAMA Health Forum* 4 (1): e224936. https://doi.org/10.1001/jamahealthforum.2022.4936.
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27. **Whaley, Christopher**, Timothy T. Brown, James C. Robinson. 2016. Using Data to Lower Costs: California's Reference-Based Payment Experience and Implications for Other States. *Health Care Cost Institute*.

28. **Whaley, Christopher**, Zachary Wagner, Glenwood Barbee, Cynthia Cowen, and Jim Rivas. 2016. "The Opioid Crisis in America's Workforce." *Castlight Health.*

29. "Pricing for the Same Medical Services Is All Over the Map (Literally)." June 2014 and October 2015. http://www.castlighthealth.com/price-variation-map/. [Interactive data map detailing variation in commercial prices] *Media Coverage in* Wall Street Journal*,* The Washington Post*,* and Kaiser Health News.

Grants and Contracts

Active Projects

2025-2026 The Physician Practice Ecosystem over the Private Equity Life Cycle
Sponsor: Commonwealth Fund
Amount: $198,000
Role: Co-Investigator

2025 Understanding Price Variation Using Transparency in Coverage (TiC) Data
Sponsor: NIHCM Foundation
Amount: $50,000
Role: Principal Investigator

2024-2026 Using Transparency in Coverage data to build on work promoting transparency in comparing hospital prices across insurers
Sponsor: Robert Wood Johnson Foundation
Amount: $500,000
Role: Principal Investigator

2024-2026 Health Care Price Transparency
Sponsor: Patient Rights Advocate
Amount: $300,000
Role: Principal Investigator

2022-2026 Assessing the Impacts of Insurer-Provider Vertical Integration
Sponsor: Commonwealth Fund
Amount: $334,000

Role: Principal Investigator

2022-2027 Health Services Utilization During the COVID-19 Pandemic (R01 AG073286-01A1)
Sponsor: National Institute on Aging
Amount $2,419,820
Role: Principal Investigator

Completed Projects

2022-2023 Health Care Price Transparency
Sponsor: Patient Rights Advocate
Amount: $250,000
Role: Principal Investigator

2021-2024 Comparing Quality of Care for Pediatric Dental Procedures Conducted in Ambulatory Surgical Centers and Hospital Outpatient Departments (R01 HS027994-01A1)
Sponsor: Agency for Healthcare Research and Quality
Amount: $1,199,996
Role: Co-Investigator (PI: Ashley Kranz, RAND)

2022-2025 Analysis of a Tiered Clinic Cost-sharing Health Insurance Benefit Design (R01HS026898)
Sponsor: Agency for Healthcare Research and Quality
Amount: $1,179,090
Role: Co-Investigator (RAND site PI, PI: Bryan Dowd, University of Minnesota)

2022-2023 Telehealth Quality
Sponsor: California Public Employees' Retirement System
Amount: $120,000
Role: Principal Investigator

2022 Health Care Markets
Sponsor: Arnold Ventures
Amount: $83,000
Role: Principal Investigator

2022-2023 Hospital Price Transparency
Sponsor: Robert Wood Johnson Foundation
Amount: $1,100,000
Role: Principal Investigator

2021-2022 Telehealth During COVID-19
Sponsor: California Health Care Foundation
Amount: $300,000
Role: Principal Investigator

2019-2024 The Effects of Insurance Benefit Design Innovations on Patient Health (K01 AG061274)
Sponsor: National Institute on Aging
Role: Principal Investigator
Amount: $650,000

2019-2023 Affordability Cures
Sponsor: Health Care Services Corporation
Role: Principal Investigator
Amount: $1,000,000

2021-2022 Hospital Price Transparency
Sponsor: Robert Wood Johnson Foundation
Amount: $450,000
Role: Principal Investigator

2020-2021 Hospital Payment Policy Responses to COVID
Sponsor: Arnold Ventures
Amount: $70,000
Role: Principal Investigator

2020-2021 Effect of COVID-19 on Use of Telehealth for Diabetes Patients
Sponsor: Livongo
Amount: $107,000
Role: Principal Investigator

2020-2021 Non-Emergency Medical Transportation and Rideshares
Sponsor: Lyft
Amount: $140,000
Role: Principal Investigator

2020-2021 Prices Paid to Hospitals by Private Health Plans
Sponsor: Arnold Foundation
Role: Principal Investigator
Amount: $993,000

2019-2021 Hospital Price Transparency Initiative
Sponsor: Robert Wood Johnson Foundation
Role: Principal Investigator
Amount: $300,000

2019-2019 Evaluation of HCM Programs
Sponsor: Health Care Services Corporation
Role: Principal Investigator
Amount: $50,000

2018-2019 Machine Learning to Improve Risk Adjustment
Sponsor: RAND-Initiated Research
Role: Principal Investigator
Amount: $200,000

2018-2019 Providing Transparency in Hospital Prices to Improve the Ability of Self-Insured Employers to Demand Value
Sponsor: Robert Wood Johnson Foundation

Role: Principal Investigator
Amount: $105,000

2018-2020 Evaluation of CalPERS Reference Pricing Program for Prescription Drugs
Sponsor: California Public Employees' Retirement System
Role: Principal Investigator
Amount: $285,000

2018-2019 The Impact of Reference Pricing on Hospital-Insurer Bargaining
Sponsor: National Institute for Health Care Management Foundation
Role: Principal Investigator
Amount: $55,000

2017-2019 Using Big Data to Estimate the Effects of Complex Cost-Sharing Rules on Colorectal Cancer Screening and Patient Health (R21 CA219229-01)
Sponsor: National Cancer Institute
Role: Principal Investigator
Amount: $475,000

2017-2019 Reference Pricing as a Purchasing Strategy to Promote Cost-Effective Drug Choice
Sponsor: Laura and John Arnold Foundation
Role: Co-Investigator
Amount: $795,000

2015-2016 The Effect of Reference Based Benefits on State Healthcare Expenditures
Sponsor: Health Care Cost Institute and Laura and John Arnold Foundation
Role: Co-Investigator
Amount: $128,000

Presentations ([+]Co-author)

2026 ASSA Annual Meeting[+], Committee for a Responsible Federal Budget Health Solutions Summit, Harvard-MIT-BU Health Economics Seminar, George Washington Collaborative Health Economics Seminar, AHEC

2025 ASSA Annual Meeting, University of Washington CHOICE Institute, Bates White Antitrust Conference, ASHE, AHEC, National Institute on Aging—Changing Ownership of Health Care Entities in the U.S. Workshop, National Conference of State Legislators

2024 ASSA Annual Meeting, AHRQ, Congressional Budget Office

2023 Johns Hopkins School of Public Health, Weill Cornell, National Quality Forum, NBER Health Care[+], NBER Aging (discussant), USC, ASHE, Medtronic, Rice University Baker Institute

2022 ASSA Annual Meeting, APPAM, Academy Health, ASHE, Montana State University, Indiana University, European-American Health Economics Conference, Centers for Medicare & Medicaid Services (CMS) Innovation Center, RAND Center for Causal Inference Symposium, NIMH Conference on Mental Health Services Research, Weill Cornell, Health Enhancement Research Organization Forum, 32BJ Health Fund, Federal

Trade Commission Microeconomics Conference,[+] Bipartisan Policy Center, UCLA Health Services Research, Brown School of Public Health, Caribbean Health Economics Symposium, Verily Life Sciences

2021 Executive Office of the President, RAND Board of Trustees, Stanford Healthcare Provider Market Consolidation Workshop, UCLA Health Policy and Management, USC Price, Medicare Payment Advisory Commission, ASHE, APPAM, Electronic Health Economics Colloquium,[+] NBER Summer Institute,[+] RAND Causal Inference Seminar, RAND Education Brownbag, Catalyst for Payment Reform, UCSF, Numerous employers and employer organizations

2020 Federal Trade Commission Microeconomics Conference, Congressional Budget Office Health Panel of Advisors, APPAM, Penn State Health Care Policy, Conference on Health IT and Analytics, NBER Labor Studies,[+] ASHE (Cancelled), Academy Health (Cancelled), EuHEA (Cancelled), Numerous employers and employer organizations

2019 APPAM, European-American Health Economics Conference, ASHE, IIOC, Claremont Graduate University, Clemson, American-European Health Economics Study Group, Health Econometrics Workshop, Employer's Forum of Indiana, National Value-Based Payment and Pay for Performance Summit

2018 ASHE, Southern California Conference in Applied Microeconomics

2017 Yale School of Public Health, Indiana University SPEA, iHEA, Health Econometrics Workshop, NIHCM, RAND

2016 AEA Annual Meeting, RAND, Congressional Budget Office, Federal Trade Commission, University of Minnesota School of Public Health, Weill Cornell, Kellogg Health Markets Conference, University of Chicago Health Economics Workshop, UC Berkeley, ASHE, Consumers Union, International Industrial Organization Conference

2015 National Association for State Health Policy, Berkeley School of Public Health, Academy Health

2014 CEGA Conference on Behavioral Health Economics, ASHE, Academy Health, Stanford Research in Progress, CITRIS Research Exchange

2013 Peder Sather Workshop on Industrial Organization (discussant), Academy Health

Student Advising

Xiaoyu Nie (2019, RAND PRGS) – Analysis Group
Xiaoxi Zhao (2021, Boston University) – RAND
Justus Timmers (2023, University of Texas Economics) – Bates White
Virat Agrawal (2025, USC Policy PhD) – USC Schaeffer Center
Nandita Radhakrishnan (Brown HSPP pre-doc) – Columbia Management Science and Engineering
Neil Mehta (Brown HSPP pre-doc) – Wall Street Journal, reporter
Hyesung (Hace) Oh (Brown HSPP Post-doc)
Matthew Maughan (Brown HSPP PhD)
Yuji Mizushima (RAND PRGS PhD)

Referee for Professional Journals
Academic Emergency Medicine, AEJ: Applied, AEJ: Policy, American Economic Review, American Journal of Managed Care, American Journal of Preventive Medicine, BMC Health Services Research, BMJ Quality, Canadian Journal of Economics, Econometrics, Economic Journal, European Journal of Health Economics, Family Medicine and Community Health, Health Affairs, Health Affairs Scholar, Health Economics, Health Services Research, Health Policy, Health Security, International Journal of Health Economics and Management, JAMA, JAMA Forum, JAMA Internal Medicine, JAMA Network Open, Journal of the American Dental Association, Journal of Comparative Effectiveness Research, Journal of Health Economics, Journal of Political Economy, Journal of Public Economics, Journal of Risk and Insurance, Management Science, Medical Care Research and Review, Management Science, Milbank Quarterly, New England Journal of Medicine, Pediatrics, Public Health, Public Health Reports, Proceedings of the National Academy of Sciences, Review of Economics and Statistics, Review of Industrial Organization, Science, Quarterly Journal of Economics, Vaccine

2025 *JAMA,* Top Reviewer
2025 *JAMA Internal Medicine,* Top Reviewer
2023 *Annals of Internal Medicine*, Top Reviewer
2023 *JAMA Network Open*, Top 4% of reviewers
2019, 2021 *Health Services Research*, Outstanding Reviewer (Top 5% of reviewers)

Scientific Review Committees
National Institute on Aging study section
Robert Wood Johnson Foundation
APPAM 2021 Conference
ASHE 2021 "Competition in Health Care Markets and Insurer and Hospital Behavior" Theme Chair

University Service
2025 PhD Admissions Committee
2023- Faculty Search Committee
2024- Faculty Promotions Committee