

Christopher M. Whaley

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Education

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

Professional Experience

2019-Present Policy Researcher, *RAND Corporation*
2019-Present Professor, *RAND Pardee Graduate School*
2021-Present Core Member, *RAND Center for Causal Inference*
2016-2019 Associate Policy Researcher, *RAND Corporation*
2016-2021 Assistant Adjunct Professor, *University of California, Berkeley School of Public Health*

External Service and Professional Activities

2021-Present Editorial Board, *Health Services Research*
2021-Present Mentor, California Public Employees' Retirement System Health Care Training Academy

Awards and Honors

2021, 2019 *Health Services Research*, Outstanding Reviewer (Top 5% of reviewers)
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

2021 Instructor, Health Economics (*RAND PhD students*)
2015-2019 Instructor, Microeconomics of Health Care Policy (*Health economics for UC Berkeley MBA, MPH, and PhD students*)
2012 Graduate Student Instructor, Health Economics and Public Policy (*Health economics for UC Berkeley undergraduate students*)

Publications

Peer Reviewed Publications

1. Kranz, Ashley M., Grace Gahlon, Andrew W. Dick, Sarah L. Goff, **Christopher Whaley**, and Kimberley H. Geissler. 2022. "Variation in Prices for an Evidence-Based Pediatric Preventive Service." *Health Services Research*. <https://doi.org/10.1111/1475-6773.13995>.
2. Kranz, Ashley M., Sarah L. Goff, Andrew W. Dick, **Christopher Whaley**, and Kimberley H. Geissler. 2022. "Delivery of Fluoride Varnish during Pediatric Medical Visits by Rurality." *Journal of Public Health Dentistry*. <https://doi.org/10.1111/jphd.12518>.

3. Levinson, Zachary, Nabeel Qureshi, Jodi L. Liu, and **Christopher M. Whaley**. 2022. “Trends In Hospital Prices Paid By Private Health Plans Varied Substantially Across The US.” *Health Affairs* 41 (4): 516–22. <https://doi.org/10.1377/hlthaff.2021.01476>.
4. Rader, Benjamin, **Christopher M Whaley**, Wesley S Rogers, John S Brownstein, and Jonathan Cantor. 2022. “Assessment of Geographic Access to Monoclonal Antibodies in the United States.” *Journal of Travel Medicine*, March. <https://doi.org/10.1093/jtm/taac018>.
5. Cantor, Jonathan, **Christopher Whaley**, Kosali Simon, and Thuy Nguyen. 2022. “US Health Care Workforce Changes During the First and Second Years of the COVID-19 Pandemic.” *JAMA Health Forum* 3 (2): e215217. <https://doi.org/10.1001/jamahealthforum.2021.5217>.
6. 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>.
7. 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>.
8. **Whaley, Christopher M.**, Daniel R. Arnold, Nate Gross, and Anupam B. Jena. 2021. “Physician Compensation In Physician-Owned And Hospital-Owned Practices.” *Health Affairs* 40 (12): 1865–74. <https://doi.org/10.1377/hlthaff.2021.01007>.
9. **Whaley, Christopher M.**, Tina Koo, Vineet M. Arora, Ishani Ganguli, Nate Gross, and Anupam B. Jena. 2021. “Female Physicians Earn An Estimated \$2 Million Less Than Male Physicians Over A Simulated 40-Year Career.” *Health Affairs* 40 (12): 1856–64. <https://doi.org/10.1377/hlthaff.2021.00461>.
Media coverage: [New York Times](#)
10. 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>.
11. Geissler, Kimberley H., Andrew W. Dick, Sarah L. Goff, **Christopher Whaley**, and Ashley M. Kranz. 2021. “Dental Fluoride Varnish Application During Medical Visits Among Children Who Are Privately Insured.” *JAMA Network Open* 4 (8): e2122953. <https://doi.org/10.1001/jamanetworkopen.2021.22953>.
12. Cantor, Jonathan, Nabeel Qureshi, Brian Briscoombe, Justin Chapman, and **Christopher M. Whaley**. 2021. “Association Between COVID-19 Relief Funds and Hospital Characteristics in the US.” *JAMA Health Forum* 2 (10): e213325. <https://doi.org/10.1001/jamahealthforum.2021.3325>.
Media coverage: [New York Times](#)
13. Gupta, Sumedha, Jonathan Cantor, Kosali I. Simon, Ana I. Bento, Coody Wing, and **Christopher M. Whaley**. 2021. “Vaccinations Against COVID-19 May Have Averted Up To 140,000 Deaths In The United States.” *Health Affairs*, August, <https://doi.org/10.1377/hlthaff.2021.00619>.

Most-read Health Affairs article of 2021

14. 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>.
15. **Whaley, Christopher M.**, Jonathan Cantor, Megan Pera, and Anupam B. Jena. 2021. “Assessing the Association Between Social Gatherings and COVID-19 Risk Using Birthdays.” *JAMA Internal Medicine*, June. <https://doi.org/10.1001/jamainternmed.2021.2915>.
Op-Ed: [We studied COVID-19 cases after birthdays. Family gatherings can still be dangerous.](#)
Media coverage: [New York Times](#), [Scientific American](#), [Newsweek](#), [Guardian](#), [CNN](#), [Der Spiegel](#)
4th most “talked about” JAMA IM article of 2021
16. **Whaley, Christopher**, Neeraj Sood, Michael Chernew, Leanne Metcalfe, and Ateev Mehrotra. 2021. “Paying Patients to Use Lower-Priced Providers.” *Health Services Research*.
<https://doi.org/10.1111/1475-6773.13711>.
17. Robinson, James C., **Christopher M. Whaley**, and Timothy T. Brown. 2021. “Price Differences To Insurers For Infused Cancer Drugs In Hospital Outpatient Departments And Physician Offices.” *Health Affairs* 40 (9): 1395–1401. <https://doi.org/10.1377/hlthaff.2021.00211>.
18. **Whaley, Christopher M.**, Xiaoxi Zhao, Michael Richards, and Cheryl L. Damberg. 2021. “Higher Medicare Spending on Imaging And Lab Services After Primary Care Physician Group Vertical Integration.” *Health Affairs* 40 (5)n: 702–9. <https://doi.org/10.1377/hlthaff.2020.01006>.
19. Cantor, Jonathan, David Kravitz, Mark Sorbero, Barbara Andraka-Christou, **Christopher Whaley**, Kathryn Bouskill, and Bradley D. Stein. 2021. “Trends in Visits to Substance Use Disorder Treatment Facilities in 2020.” *Journal of Substance Abuse Treatment* 127 (August): 108462.
<https://doi.org/10.1016/j.jsat.2021.108462>.
20. Cantor, Jonathan, Andrew W. Dick, Rebecca Haffajee, Megan F. Pera, Dena M. Bravata, Bradley D. Stein, and **Christopher M. Whaley**. 2021. “Use of Buprenorphine for Those with Employer-Sponsored Insurance during the Initial Phase of the COVID-19 Pandemic.” *Journal of Substance Abuse Treatment* 129 (October): 108384.
21. **Whaley, Christopher M.**, Jonathan Cantor, Megan F. Pera, and Dena M. Bravata. 2021. “Industry Variation in Risk of Delaying Care During COVID-19.” *Journal of General Internal Medicine*, March. <https://doi.org/10.1007/s11606-021-06694-9>.
22. McBain, Ryan K., Jonathan H. Cantor, Anupam B. Jena, Megan F. Pera, Dena M. Bravata, and **Christopher M. Whaley**. 2021. “Decline and Rebound in Routine Cancer Screening Rates During the COVID-19 Pandemic.” *Journal of General Internal Medicine* 36 (6): 1829–31.
<https://doi.org/10.1007/s11606-021-06660-5>.
23. McDonald, Tim, Katie M. White, Tsan-Yao Huang, **Christopher M. Whaley**, and Bryan Dowd. 2021. “Clinic Price Reductions in a Tiered Total Cost Benefit Design.” *The American Journal of Managed Care* 27 (8): e316–21. <https://doi.org/10.37765/ajmc.2021.88744>.

24. Cantor, Jonathan, Ryan K. McBain, Megan F. Pera, Dena M. Bravata, and **Christopher Whaley**. 2021. “Who Is (and Isn’t) Receiving Telemedicine Care During the COVID-19 Pandemic.” *American Journal of Preventive Medicine*, March. <https://doi.org/10.1016/j.amepre.2021.01.030>.
25. **Whaley, Christopher M.**, Daniel J. Crespín, and Tisamarie B. Sherry. 2021. “Smartphone Application Allowing Physicians to Call Patients Associated with Increased Physician Productivity.” *Journal of General Internal Medicine*, March. <https://doi.org/10.1007/s11606-021-06663-2>.
26. **Whaley, Christopher M.**, Christoph Dankert, Michael Richards, and Dena Bravata. 2021. “An Employer-Provider Direct Payment Program Is Associated With Lower Episode Costs.” *Health Affairs* 40 (3): 445–52. <https://doi.org/10.1377/hlthaff.2020.01488>.
Supplemental Podcast: <https://www.healthaffairs.org/doi/10.1377/hp20210303.505338/full/>
27. Richards, Michael R., Jonathan A. Seward, and **Christopher M. Whaley**. 2021. “Removing Medicare’s Outpatient Ban and Medicare and Private Surgical Trends.” *The American Journal of Managed Care* 27 (3): 104–8. <https://doi.org/10.37765/ajmc.2021.88598>.
28. Uscher-Pines, Lori, Jessica Sousa, Maggie Jones, **Christopher Whaley**, Christopher Perrone, Colleen McCullough, and Allison J. Ober. 2021. “Telehealth Use Among Safety-Net Organizations in California During the COVID-19 Pandemic.” *JAMA*, February. <https://doi.org/10.1001/jama.2021.0282>.
29. **Whaley, Christopher M.**, Megan F. Pera, Jonathan Cantor, Jennie Chang, Julia Velasco, Heather K. Hagg, Neeraj Sood, and Dena M. Bravata. 2020. “Changes in Health Services Use Among Commercially Insured US Populations During the COVID-19 Pandemic.” *JAMA Network Open* 3 (11): e2024984–e2024984.
Media coverage in [Forbes](#), [Salon](#), and [US News](#)
30. **Whaley Christopher M**, Arnold Daniel R, Gross Nate, Jena Anupam B. Practice composition and sex differences in physician income: observational study. *BMJ* 2020; 370:m2588
Op-ed: “[Women make less when men dominate their workplaces. Gender diversity could close the gap.](#)” *USA Today*
31. Muench, Ulrike, **Christopher Whaley**, Janet Coffman, and Joanne Spetz. 2021. “Scope-of-Practice for Nurse Practitioners and Adherence to Medications for Chronic Illness in Primary Care.” *Journal of General Internal Medicine* 36 (2): 478–86. <https://doi.org/10.1007/s11606-020-05963-3>.
32. Robinson JC, **Whaley C**, Brown TT, Dhruva SS. “Physician and Patient Adjustment to Reference Pricing for Drugs.” *JAMA Network Open*. 2020;3(2):e1920544.
33. **Whaley, Christopher M.** 2019. “Provider Responses to Online Price Transparency.” *Journal of Health Economics* 66 (June): 241–59.
34. Berkemeier, Fabian, **Christopher Whaley**, and James C. Robinson. 2019. “Increasing Divergence in Drug Prices Between the United States and Germany After Implementation of Comparative Effectiveness Analysis and Collective Price Negotiations.” *Journal of Managed Care & Specialty Pharmacy* 25 (12): 1310–17.

35. **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.
36. O'Hanlon, Claire E., **Christopher M. Whaley**, and Deborah Freund. "Medical Practice Consolidation and Physician Shared Patient Network Size, Strength, and Stability." *Medical Care* (2019).
37. **Whaley, Christopher M.**, Jennifer B. Bollyky, Wei Lu, Stefanie Painter, Jennifer Schneider, Zhenxiang Zhao, Xuanyao He, Jennal Johnson, and Eric S. Meadows. "Reduced medical spending associated with increased use of a remote diabetes management program and lower mean blood glucose values." *Journal of Medical Economics* (2019): 1-9.
38. 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.
39. **Whaley, Christopher M.**, Lan Vu, Neeraj Sood, Michael E. Chernew, Leanne Metcalfe, and Ateev Mehrotra. 2019. "Paying Patients To Switch: Impact Of A Rewards Program On Choice Of Providers, Prices, And Utilization." *Health Affairs* 38 (3): 440–47.
40. **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.
41. Brown, Timothy T., Chaoran Guo, and **Christopher Whaley**. 2018. "Reference-Based Benefits for Colonoscopy and Arthroscopy: Large Differences in Patient Payments Across Procedures but Similar Behavioral Responses." *Medical Care Research and Review*, August.
42. Gudixsen, Katherine L., Timothy T. Brown, **Christopher M. Whaley**, and Jaime S. King. 2018. "California's Drug Transparency Law: Navigating The Boundaries Of State Authority On Drug Pricing." *Health Affairs* 37 (9): 1503–8.
43. Scheffler, Richard M., Daniel R. Arnold, and **Christopher M. Whaley**. 2018. "Consolidation Trends In California's Health Care System: Impacts On ACA Premiums And Outpatient Visit Prices." *Health Affairs* 37 (9): 1409–16.
44. **Whaley, Christopher**. 2018. "The Association Between Provider Price and Complication Rates for Outpatient Surgical Services." *Journal of General Internal Medicine* 33 (8): 1352–58.
45. **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.
46. Robinson, James C., **Christopher Whaley**, and Timothy T. Brown. 2017. "Association of Reference Pricing with Drug Selection and Spending in the United States. *New England Journal of Medicine* 377:658-665.
47. Robinson, James C., Timothy T. Brown, and **Christopher Whaley**. 2017. "Reference Pricing Changes The 'Choice Architecture' Of Health Care For Consumers." *Health Affairs* 36 (3): 524–30.

48. Robinson, James C., **Christopher Whaley**, and Timothy T. Brown. 2016. “Reference Pricing, Consumer Cost-Sharing, and Insurer Spending for Advanced Imaging Tests.” *Medical Care* 54 (12): 1050–55.
49. Robinson James C., **Christopher Whaley**, and Timothy T. Brown. 2016. “Association of Reference Pricing for Diagnostic Laboratory Testing with Changes in Patient Choices, Prices, and Total Spending for Diagnostic Tests.” *JAMA Internal Medicine*, July.
Media coverage in [Reuters](#)
50. Robinson, James C., Timothy T. Brown, **Christopher Whaley**, and Emily Finlayson. 2015. “Association of Reference Payment for Colonoscopy With Consumer Choices, Insurer Spending, and Procedural Complications.” *JAMA Internal Medicine*, September, 1–7.
AHRQ Research Conference Director’s Award.
51. Robinson, James C., Timothy Brown, and **Christopher Whaley**. 2015. “Reference-Based Benefit Design Changes Consumers’ Choices And Employers’ Payments For Ambulatory Surgery.” *Health Affairs*, 34 (3): 415–22.
52. 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.
53. **Whaley, Christopher**, H. E. Frech, and Richard M. Scheffler. 2015. “Accountable Care Organizations in California: Market Forces at Work?” *Journal of Health Politics, Policy and Law*, vol. 40(4).
54. **Whaley, Christopher**, Mary Reed, John Hsu, and Vicki Fung. 2015. “Functional Limitations, Home Support, and Responses to Drug Costs Among Medicare Beneficiaries.” *PLOS ONE* 10 (12).
55. Robinson, James C., Timothy T. Brown, **Christopher Whaley**, and Kevin J. Bozic. 2015. “Consumer Choice Between Hospital-Based and Freestanding Facilities for Arthroscopy.” *Journal of Bone and Joint Surgery*, 97 (18): 1473–81.
56. **Whaley, Christopher**, Jennifer Schneider Chafen, Sophie Pinkard, Gabriella Kellerman, Dena Bravata, Bob Kocher, and Neeraj Sood. 2014. “Association Between Availability of Health Service Prices and Payments for These Services.” *JAMA: The Journal of the American Medical Association*, 312 (16): 1670–76.
Media coverage in [Bloomberg](#), [Bloomberg View](#), [Forbes](#), [Reuters](#), and the [Washington Post](#)
One of five finalists for the [National Institute for Health Care Management’s Annual Research Award](#)

Working Papers

1. Munnich, Elizabeth L., Michael R. Richards, Christopher M. Whaley, and Xiaoxi Zhao. 2020. “Raising the Stakes: Physician Facility Investments and Provider Agency.”
<https://doi.org/10.7249/WRA621-4>, *Revise and Resubmit, American Economic Review*
2. Agrawal, Virat, Jonathan H. Cantor, Neeraj Sood, and Christopher M. Whaley. 2021. “The Impact of the COVID-19 Pandemic and Policy Responses on Excess Mortality.” Working Paper 28930.

Working Paper Series. National Bureau of Economic Research. <https://doi.org/10.3386/w28930>.

3. Bravata, Dena, Jonathan H. Cantor, Neeraj Sood, and Christopher M. Whaley. 2021. “Back to School: The Effect of School Visits During COVID-19 on COVID-19 Transmission.” w28645. National Bureau of Economic Research. <https://doi.org/10.3386/w28645>.
4. Christopher Whaley and Xiaoxi Zhao. “The Effects of Physician Vertical Integration on Referral Patterns, Patient Welfare, and Market Dynamics”
5. Agrawal, Virat, Jonathan H. Cantor, Neeraj Sood, and Christopher M. Whaley. 2021. “The Impact of the COVID-19 Vaccine Distribution on Mental Health Outcomes.” Working Paper 29593. Working Paper Series. National Bureau of Economic Research. <https://doi.org/10.3386/w29593>.
Media coverage: [MarketWatch](#), [The Economist](#)
6. 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.
7. Cantor, Jonathan and Christopher M. Whaley. “The Doctor Will See You: Online Physician Transformations During COVID-19.” Santa Monica, CA: RAND Corporation, 2021.
https://www.rand.org/pubs/working_papers/WRA621-5.html.
8. Whaley, Christopher, The Effects of Cost Sharing on Cancer Screening and Price Shopping: Evidence from the Affordable Care Act. Available at SSRN: <https://ssrn.com/abstract=3264607>
9. Whaley, Christopher, Premium Service: Comparing Cost and Quality for Colorectal Cancer Screening. Available at SSRN: <https://ssrn.com/abstract=3249215>
10. Michael Dworsky, Justus Timmers, and Christopher Whaley. “Sources of Variation in Hospital Prices: The Roles of Bargaining Leverage and Other Factors”
11. Armando Franco, Zachary Wagner, and Christopher Whaley. “Doped up or Dropped Out: The Effects of Opioid Use on Workplace Absences”
12. Max Griswold and Christopher Whaley. “Gaming the System: Improving CMS Risk Score Predictions with Neural Networks”
13. Cheryl Damberg, Swad Komanduri, and Christopher Whaley. “Net Effects of Hospital-Physician Vertical Integration”
14. Jonathan S. Levin, Christopher Whaley, and Xiaoxi Zhao. “The Effects of Medical Provider Vertical Integration on Parenteral Prescription Drug Spending and Utilization”
15. Swad Komanduri, Jonathan Levin, and Christopher Whaley. “Association Between Hospital-Physician Vertical Integration and Medication Adherence”
16. Brendan Rabideau, Michael Richards, and Christopher Whaley. “Training Labor and Treatment Behavior: Evidence from Physician Residency Programs”

Peer Reviewed RAND Reports

1. **Whaley, Christopher M.**, Brian Briscoombe, Rose Kerber, Brenna O’Neill, and Aaron Kofner. 2022. “Prices Paid to Hospitals by Private Health Plans: Findings from Round 4 of an Employer-Led Transparency Initiative.” Santa Monica, CA: RAND Corporation.
https://www.rand.org/pubs/research_reports/RR1144-1.html.
2. Liu, Jodi L., Zachary M. Levinson, Nabeel Shariq Qureshi, and **Christopher M. Whaley**, Impact of Policy Options for Reducing Hospital Prices Paid by Private Health Plans. Santa Monica, CA: RAND Corporation, 2021. https://www.rand.org/pubs/research_reports/RR805-1.html.
3. Mulcahy, Andrew W., **Christopher M. Whaley**, Mahlet G. Tebeka, Daniel Schwam, Nathaniel Edenfield, and Alejandro U. Becerra-Ornelas. 2021. “International Prescription Drug Price Comparisons: Current Empirical Estimates and Comparisons with Previous Studies,” January. https://www.rand.org/pubs/research_reports/RR2956.html.
4. Kapinos, Kandice A., Carter C. Price, Drew M. Anderson, Adrienne M. Propp, Raffaele Vardavas, and **Christopher M. Whaley**. 2021. “Analysis of the 10Plan: A Self-Pay System Designed to Minimize the Burden of Health Care Costs,” January. https://www.rand.org/pubs/research_reports/RR4270.html.
5. Mulcahy, Andrew W., Brian Phillips, and **Christopher M. Whaley**. 2021. “Balancing Access and Cost Control in the TRICARE Prescription Drug Benefit,” January. https://www.rand.org/pubs/research_reports/RR4445.html.
6. **Whaley, Christopher M.**, Brian Briscoombe, Rose Kerber, Brenna O’Neill, and Aaron Kofner. 2020. “Nationwide Evaluation of Health Care Prices Paid by Private Health Plans: Findings from Round 3 of an Employer-Led Transparency Initiative,” September. https://www.rand.org/pubs/research_reports/RR4394.html.
Media coverage in the [New York Times](#), [Bloomberg Law](#), [Fierce Healthcare](#), [Modern Healthcare](#), [Forbes](#), [Axios](#)
7. Duffy, Erin L., **Christopher Whaley**, and Chapin White. "The Price and Spending Impacts of Limits on Payments to Hospitals for Out-of-Network Care." 2020.
8. White, Chapin and **Christopher Whaley**. “Prices Paid to Hospitals by Private Health Plans Are High Relative to Medicare and Vary Widely: Findings from an Employer-Led Transparency Initiative.” Santa Monica, CA: RAND Corporation, 2019. https://www.rand.org/pubs/research_reports/RR3033.html.
Media coverage in the [New York Times](#), [Forbes](#), [Bloomberg](#), and the [Wall Street Journal](#)
9. Eibner, Christine, Dmitry Khodyakov, Erin Audrey Taylor, et al. "First Annual Evaluation Report of the Medicare Advantage Value-Based Insurance Design Model Test." RAND Corporation, 2018.
10. Farmer, Carrie M., Terri Tanielian, et al. Integrating Department of Defense and Department of Veterans Affairs Purchased Care: Preliminary Feasibility Assessment. Santa Monica, CA: RAND Corporation, 2018.
11. Kapinos, Kandice A., Brian Briscoombe, Tadeja Gracner, Aaron Strong, **Christopher Whaley**, Emily Hoch, Jakub P. Hlavka, Spencer R. Case and Peggy G. Chen. Public Cord Blood Banks: Worthy of

National Investment. Santa Monica, CA: RAND Corporation, 2017.
https://www.rand.org/pubs/research_briefs/RB9977.html.

12. Kapinos, Kandice A., Brian Briscoombe, Tadeja Gracner, Aaron Strong, **Christopher Whaley**, Emily Hoch, Jakub P. Hlavka, Spencer R. Case and Peggy G. Chen. Challenges to the Sustainability of the U.S. Public Cord Blood System. Santa Monica, CA: RAND Corporation, 2017.
https://www.rand.org/pubs/research_reports/RR1898.html.
13. Mattock, Michael G., Beth J. Asch, James Hosek, **Christopher Whaley**, and Christina Panis. 2014. *Toward Improved Management of Officer Retention*. Santa Monica, CA: RAND Corporation.
https://www.rand.org/pubs/research_reports/RR764.html

Non-Peer Reviewed Research and Reports

1. Sood, Neeraj and **Christopher Whaley**. “Reverse Reference Pricing: Rewarding Patients For Reducing Medicare Costs.” *Health Affairs Blog*, June 7, 2019.
<https://www.healthaffairs.org/doi/10.1377/hblog20190604.509495/full/>
2. Scheffler, Richard M., Daniel R. Arnold, and **Christopher M. Whaley**. 2018. “Consolidation Trends: The Authors Reply.” *Health Affairs* 37 (11): 1908–1908.
<https://doi.org/10.1377/hlthaff.2018.1215>.
3. **Whaley, Christopher**, Joel Davis, and Jim Rivas. 2017. “OB-GYN Workload & Potential Shortages: The Coming U.S. Women’s Health Crisis.”
4. Eibner, Christine and **Christopher Whaley**. 2017. “Loss of Maternity Care and Mental Health Coverage Would Burden Those in Greatest Need.” *The Commonwealth Fund*, May 18.
<http://www.commonwealthfund.org/publications/blog/2017/may/maternity-care-and-mental-health-coverage-requirements>.
5. **Whaley, Christopher**, Joel Davis, and Jim Rivas. 2017. “2017 Physician Compensation in the United States.”
6. Duffy, Erin, Michael Dworsky, and **Christopher Whaley**. 2017. “Can a Continuous Coverage Requirement Produce a Healthy Insurance Market?” *The Hill*, January 4.
<http://thehill.com/blogs/congress-blog/healthcare/312590-can-a-continuous-coverage-requirement-produce-a-healthy>.
7. **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*.
8. **Whaley, Christopher**, Zachary Wagner, Glenwood Barbee, Cynthia Cowen, and Jim Rivas. 2016. “The Opioid Crisis in America’s Workforce.” *Castlight Health*.
9. “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

- 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
- 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 Affordability Cures
Sponsor: Health Care Services Corporation
Role: Principal Investigator
Amount: \$1,000,000
- 2019-2021 Hospital Price Transparency Initiative
Sponsor: Robert Wood Johnson Foundation
Role: Principal Investigator
Amount: \$300,000
- 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

- 2019-2019 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)

- 2022 AEA Annual Meeting, APPAM, Academy Health, ASHE, Montana State, Indiana University, European-American Health Economics Conference
- 2021 Executive Office of the President, RAND Board of Trustees, Stanford Healthcare Provider Market Consolidation Workshop, UCLA Health Policy and Management,

- 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, California State Assembly, 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, International Industrial Organization Conference, 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 CEQA 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

Referee for Professional Journals

Academic Emergency Medicine, AEJ: Applied, AEJ: Policy, American Economic Review, American Journal of Managed Care, 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 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, Medical Care Research and Review, 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, Quarterly Journal of Economics

Scientific Review Committees

Robert Wood Johnson Foundation

APPAM 2021 Conference

ASHE 2021 "Competition in Health Care Markets and Insurer and Hospital Behavior" Theme Chair