

CURRICULUM VITAE
Mariana P. Socal, M.D., Ph.D., M.Sc., M.P.P.

PERSONAL DATA

Business Address

Department of Health Policy and Management
Johns Hopkins Bloomberg School of Public Health
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Baltimore, MD, 20205
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EDUCATION AND TRAINING

Johns Hopkins Bloomberg School of Public Health, Baltimore, MD
Ph.D., Health Systems, Department of International Health, 2017

Princeton University, Princeton, NJ
M.P.P., Public Policy, 2010

Universidade Federal do Rio Grande do Sul, Porto Alegre-RS, Brazil
M.Sc., Medical Sciences, 2008

Hospital de Clínicas de Porto Alegre, Porto Alegre-RS, Brazil
Residency in Neurology, 2004

Universidade Federal do Rio Grande do Sul, Porto Alegre-RS, Brazil
M.D., Doctor of Medicine, 2000

Medical Board or Other Certification

Conselho Regional de Medicina, Rio Grande do Sul State, Brazil
Neurologist, 2004

Conselho Regional de Medicina, Rio Grande do Sul State, Brazil
Doctor of Medicine, 2000

Additional Training

Johns Hopkins Bloomberg School of Public Health Leadership Development Program, 2023-2024
Johns Hopkins University Preparing for Future Faculty Teaching Academy, 2015-2016
Harvard Business School Value-Based Health Care Delivery Intensive Seminar, 2010

PROFESSIONAL EXPERIENCE

Johns Hopkins University

Current Primary Faculty Position

Associate Professor, Department of Health Policy and Management, Johns Hopkins Bloomberg School of Public Health, September 2023 – present

Conducting research and policy activities on pharmaceutical pricing and accessibility; teaching and mentoring graduate students in Health Policy and Management.

Director, PhD Program in Health Services Research, Department of Health Policy and Management, Johns Hopkins Bloomberg School of Public Health, September 2025 – present

Principal Investigator, Johns Hopkins Prescription Drug Supply Chain Data Dashboard and Resource Center, Johns Hopkins University, 2025-present

Data Dashboard and Resource Center for information on global US-focused prescription drug supply chains, comprehending over 50,000 drugs. (supplychain.jhu.edu)

Associate Professor, Johns Hopkins Carey Business School (joint appointment) December 2024 – present

Affiliate Faculty and Junior Mentor, Hopkins' Economics of Alzheimer's Disease & Services (HEADS Center), Johns Hopkins Bloomberg School of Public Health, 2026-present

Core Faculty, Hopkins Business of Health Initiative, Johns Hopkins University, 2023 – present

Affiliate Faculty, Roger and Flo Lipitz Center to Advance Policy in Aging and Disability, Johns Hopkins Bloomberg School of Public Health, 2018 – present

Core Faculty, Center for Drug Safety and Effectiveness, Johns Hopkins Bloomberg School of Public Health, 2017 – present

Previous JHU Faculty Positions

Associate Scientist, Department of Health Policy and Management, Johns Hopkins Bloomberg School of Public Health, February 2021 – August 2023

Assistant Scientist, Department of Health Policy and Management, Johns Hopkins Bloomberg School of Public Health, April 2017 – January 2021

Previous JHU Non-Faculty Positions

Research Assistant, Department of Health Policy and Management, Johns Hopkins Bloomberg School of Public Health, 2016-2017

Conduct research on pharmaceutical pricing for the Johns Hopkins Drug Access and Affordability Initiative.

Research Assistant, Department of International Health, Johns Hopkins Bloomberg School of Public Health, 2014-2016

Deliver training and conduct literature review on strengthening health systems in El Salvador. Deliver training on essential public health functions in Angola.

Research Assistant, JHPIEGO, 2014-2014

Deliver training on essential public health functions in Mozambique.

Research Assistant, Johns Hopkins International Vaccine Access Center, 2011-2012

Conduct literature review on vaccine cost and effectiveness.

Relevant Non-JHU Professional Experience

Research Assistant, Princeton University Center for Health and Wellbeing, 2010-2011

Conduct data collection and analysis on judicialization of health in Brazil.

Consultant, Brazilian Health Technology Assessment Network, 2011-2013

Draft health technology assessment reports in adult Neurology.

Consultant, Brazilian Ministry of Health, 2009-2010

Draft national therapeutic guidelines on the use of botulinum toxin.

Research Fellow, Hospital de Clínicas de Porto Alegre, Brazil, 2008 - 2009

Conduct data collection and analysis on Parkinson's disease.

Medical Advisor, State of Rio Grande do Sul's General Attorney's Office, Brazil, 2007-2009

Provide assistance for state attorneys in responding to legal claims for access to high-cost Neurologic drugs in and out of the state's and the national drug formulary.

Pharmaceutical Policy Advisor, Rio Grande do Sul Health Secretariat, Brazil, 2005-2008

Provide assistance for state policy-makers in drafting the state drug formulary for Neurologic conditions. Review patient requests for on-formulary Neurologic drugs.

Attending Physician, Hospital Moinhos de Vento, Porto Alegre, Brazil, 2007-2012

Provide inpatient care in neurology, including emergency and critical care.

Attending Physician, UNIMED Medical Cooperative, Brazil, 2007-2012

Provide outpatient and inpatient care in adult Neurology.

Attending Physician, Instituto de Previdência do Rio Grande do Sul, Brazil, 2006-2012
Provide outpatient care in adult Neurology.

Instructor, Medical Residency Program, Hospital Luterano da ULBRA, Brazil, 2005-2008
Provide inpatient care in neurology, including emergency and critical care. Supervise medical residents training in Internal Medicine.

Attending Physician, Hospital Luterano da ULBRA, Brazil, 2004-2008
Provide inpatient care in neurology, including emergency and critical care.

PROFESSIONAL ACTIVITIES

Society Membership

Member, American Public Health Association, 2025- current

Member, Academy Health, 2024- current

Member, American Society of Health Economics, 2023- current

Member, Academy Health, 2019 – 2021

Member, Association for Public Policy Analysis and Management, 2018-2019

Member, International Society of Pharmacoeconomics and Outcomes Research, 2018-2019

Member, International Society of Pharmacoepidemiology (ISPE), 2017-2018; 2013-2015

Member, Health Systems Global (HSG), 2016-2017

Member, Health Technology Assessment International (HTAi), 2007-2012

Consultations/Other Activities

Member, National Academies of Science, Engineering, and Medicine Standing Committee on Emerging Infectious Diseases and 21st Century Health Threats (March 2026- current)

Role: invited member

Member, World Health Organization (WHO) Technical Advisory Group on Pricing Policies for Medicines, July 2023-current (renewed until 2027)

Role: technical advisor

Member, Council on Foreign Relations Pharmaceutical Supply Chain Study Group, July 2025-present

Role: invited member

Consultant, California Department of Health Care Access and Information (HCAI), Jan 2020-present

CalRx California Generic Drugs Initiative

Role: technical advisor

Reviewer, Hopkins Economics of Alzheimer's Disease & Services Center (HEADS), 2026

Role: reviewer of proposals for the HEADS center pilot grants

Participant, RAND Europe Workshop De-risking the UK's Antibiotic Supply Chain, March 24, 2026

Role: invited participant

Organizer/Sponsor, National Academies of Science, Engineering, and Medicine (NASEM). Workshop: Improving Resiliency in the U.S. Pharmaceutical Supply Chain Through Make-Buy-Invest Strategic Actions (Washington, DC, October 22-23, 2025)

Role: organizer/sponsor

https://www.nationalacademies.org/event/45111_10-2025_improving-resiliency-in-the-us-pharmaceutical-supply-chain-through-make-buy-invest-strategic-actions-a-workshop

Stakeholder Participant – Organization for Economic Cooperation and Development (OECD), Nov 19, 2024.

Study: Assessing the Impact of Advertising Regulations on Biosimilar Uptake.

Role: invited expert. Shared expertise and perspectives on biosimilar uptake in the USA.

Reviewer, RAND Corporation, August 2023, December 2023, September 2024

Role: Peer-reviewer of RAND Corporation reports entitled: “Comparing New Prescription Drug Availability and Launch Timing in the United States and Other OECD Countries;” “Prescription Drug Prices, Rebates, and Insurance Premiums;” and “Option Year 2 Validation Report: Assessing the Accuracy, Consistency, and Generalizability of 2020-2022 RxDC Data (PR-A1820-11).”

Stakeholder Participant, Reagan-Udall Foundation for the FDA, July 2024

Report: Improving Access to Publicly Available FDA Information

Role: shared expertise and perspectives on using FDA data as a researcher

Participant, National Academies of Science, Engineering and Medicine (NASEM), October 24 and 25, 2022

Stakeholder Meeting "Building Resilience into the Nation's Medical Product Supply Chains"

Role: participant in workshop to provide recommendations for the Office of the Assistant Secretary for Preparedness and Response (ASPR) of the U.S. Department of Health and Human Services on ways to strengthen the US pharmaceutical supply chain.

Technical Expert, RAND Corporation, August 04, 2022

Technical Expert Panel - Prescription Drug Prices, Rebates, and Insurance Premiums

Role: technical expert on panel to provide guidance for the Office of the Assistant Secretary of Planning and Evaluation (ASPE) of the Department of Health and Human Services (HHS).

Policy Expert, Gary and Mary West Health Policy Center, Inc., 2019 - 2022

Policy expert serving on the Council for Informed Drug Spending Analysis (CIDS).

Role: ongoing consultation

Expert Reviewer, Texas A&M Cross-Border Threat Screening and Supply Chain Defense - A Department of Homeland Security Center of Excellence, September 2021

Project: Call for proposals for research on the US pharmaceutical supply chain

Role: reviewer of proposal workplans submitted to CBTS for scientific merit

Consultant, National Academies of Science, Education, and Medicine, July-October 2020

Project: wasteful Spending on Medicare Part B drugs led by Dr. Aditi Sen

Role: unpaid medical consultant on Johns Hopkins-led data analyses

Invited Participation

2026

Invited Panelist. Virtual Pharmaceutical and Medical Device Pricing and Payment Transformation Summit. Roundtable on the Implications of Actual and Threatened US Pharma Tariffs. Online via web. June 17, 2026.

Invited Speaker. Welch Center Grand Rounds. Welch Center, Johns Hopkins Bloomberg School of Public Health. Baltimore, MD, March 25, 2026

Invited Speaker. Weil Cornell School of Medicine. David Rogers Health Policy Colloquium. New York, NY. March 28, 2026

Invited Panelist. Georgetown University. Novel Solutions to Address the Rising Cost of Oncology Drugs: Targeting the Demand Side. Washington, DC. March 04, 2026

2025

Invited Panelist. Berkeley Research Group. BRG Washington Healthcare Policy Forum. Panel: Drug Policy in the Trump Administration. Washington, DC. November 13, 2025.

Invited Speaker. University of Maryland, Baltimore. Graduate Program on award and Policy. Lecture: Health Policy & Prescription Drug Pricing: How to Fix a Broken System? Baltimore, MD, November 03, 2025

Invited Moderator. George Washington University Health Law and Policy Program. A Preliminary Assessment of the Inflation Reduction Act's Drug Price Provisions. Panel: An Assessment of the Inflation Reduction Act's First Year. Washington, DC. October 10, 2025

Invited Moderator. Drug Information Association (DIA) and Arnold Ventures. Webinar: Regulatory Barriers to Biosimilar Development and Uptake. Online event. Oct 01, 2025

Invited Speaker. Johns Hopkins Preventative Medicine Residency Program. Presentation Title: Health Policy & Prescription Drug Pricing. Baltimore, MD. September 26, 2025

Invited Speaker. Johns Hopkins Latino Public Health Network & Latino Alumni Network. Presentation Title: Public Health Students and Practitioners in the USA: Perspectives and Current scenario. Web-based event.

Invited Panelist. American Society of Health Economists (ASHEcon) 14th Annual Meeting. Panel: Looking Ahead: Federal Health Policy Priorities. Nashville, TN. June 24, 2025.

Invited Panelist. Drug Information Association (DIA) 2025 Global Annual Meeting. Panel: Biosimilars Today: Who is Winning the Global Race? Arnold Ventures' Innovation Theater. Washington, DC. June 17, 2025

Invited Speaker. American Diabetes Association 85th Scientific Sessions. Panel: ADA Diabetes Care Symposium—How Do We Fix a Broken Health Care System? Chicago, IL. June 21, 2025.

Invited Speaker. Advocacy Action Lab. Johns Hopkins University Lerner Center for Public Health Advocacy. Panel: Leveraging advocacy in public health work. Washington, DC. June 12, 2025.

Invited Panelist. Congressional Hispanic Caucus Institute. CHCI Health Summit. Panel: Balancing Drug Affordability and Innovation: Ensuring Access While Advancing Research. Washington, DC. May 2025.

Invited Panelist. Defense Health Agency and Uniformed Services University. State of the Science: Health Services research in the Military Health System 2025. Panel: Pharmaceutical Quality and Safety in the Military Health System. Bethesda, MD. April 03, 2025.

2024

Invited Speaker. Alliance for Patient Access (AfPA) National Policy & Advocacy Summit – Panel: “Pressure on Patients.” Washington, DC, September 24, 2024.

Keynote Speaker. University of Colorado Skaggs School of Pharmacy and Pharmaceutical Sciences hosts Annual Research Retreat. Keystone, CO. August 01, 2024.

Invited Speaker. Johns Hopkins Bloomberg School of Public Health’s Master of Public Health Program - Public Health Policy Course. Panel: Universal Health Coverage in the United States: Challenges and Potential Solutions. Baltimore, MD. August 20, 2024.

Invited Speaker. Advocacy Action Lab. Johns Hopkins University Lerner Center for Public Health Advocacy. Panel: Leveraging advocacy in public health work. Washington, DC.

June 06, 2024.

Invited Speaker. Robert Wood Johnson Health Policy Research Scholars Program. Panel: Advancing Policy Post-Graduation. Online event. May 15, 2024.

Invited Speaker. Summit on Cancer Health Disparities. Binaytra Foundation. Panel: Drug Shortages. Seattle, WA. April 26-28, 2024.

Invited Discussant. JHSPH Latino Public Health Network. Panel: High Impact Research: An Editor's Perspective. Presenter: Dr. Taissa Vila, PhD, Editor-in-Chief, The Lancet Regional Health Americas. Baltimore, MD. March 11, 2024.

Invited Speaker. The Hill. Prescribing PBM reform, accelerating transparency with bipartisan action. Washington, DC. March 06, 2024.

Invited Speaker, Georgetown University. Supply Chain and Health Care Coverage. Washington, DC. February 28, 2024.

Invited Speaker. National Association of Medicaid Directors' policy meeting. Web-based. February 12, 2024.

Invited Speaker, National Coalition for Cancer Survivorship (NCCS) Cancer Policy Roundtable Highlights. Online event. January 17, 2024.

Invited Speaker, INOVA Fairfax Hospital Bedside to Community Series. Lecture: Pharmaceutical Pricing and Policy. Fairfax, Virginia. January 10, 2024.

2023

Invited speaker, National Coalition for Cancer Survivorship (NCCS) Cancer Policy Roundtable, Panel: Inflation Reduction Act Implementation. Washington, DC, November 16, 2023.

Invited speaker, Maryland State of Reform Health Policy Conference. Panel: "Methods to Lower the Cost of Drugs" Baltimore, MD – June 14, 2023

Invited speaker, National Conference for State Legislatures. Prescription Drug Peer Learning Group for State Legislators. Panels: "Insulin Affordability: What's next?" and "Pharmacy Benefit Managers: Caught in the Middle." Portland, Oregon – June 21, 2023

Invited speaker, Health Canada, Office of Pharmaceuticals Management Strategies (Strategic Policy Branch) Expert Speaker Series. Lecture: Pharmaceutical Supply Chains. Online event. June 20, 2023.

Invited speaker, Society for Health Policy Young Professionals. Panel: Inflation Reduction Act – Novel Perspectives and Career Opportunities. Washington, DC. May 11, 2023.

Invited speaker, Alaska Pharmacist Association's Continued Education program. Lecture: "Prescription drug pricing and the role of PBMs." Online event – March 31, 2023.

Invited speaker. Johns Hopkins Hospital Pediatric Intensive Care Unit's Health Policy & Equity Seminar Series. Lecture: "Prescription drug pricing and policy." Baltimore MD - March 31, 2023.

2022

Invited speaker, National Association of Medicaid Directors. Fall Conference. Panel: "Pharmaceutical Policy" Washington, DC – November 15, 2022

Invited expert participant, National Academies of Science, Engineering and Medicine (NASEM) Stakeholder Meeting "Building Resilience into the Nation's Medical Product Supply Chains" – web-based event – October 24 and 25, 2022

Invited speaker, National Conference for State Legislatures. Achieving Affordable Quality Health Care Systems: Health Legislative Staff Seminar. Panel: "State Approaches to Prescription Drug Affordability" Atlanta, Georgia – October 12, 2022

Invited Speaker, US Food and Drug Administration. "Manufacturer-Sponsored Drug Coupons Support Insulin Product Line Extensions" Bethesda, MD – August 03, 2022

Invited speaker, University of Pennsylvania Perelman School of Medicine Immersive Advocacy Summer Course- Panel: "Expert Panel: Prescription Drug Affordability Board Legislation" (Online Event) – July 12, 2022

Invited speaker, Endpoint News - Panel: "Revamping the FDA's prized accelerated approvals" Online event – June 21, 2022

Invited speaker, National Conference for State Legislatures State Policy Seminar: Levers to Address Health Costs- Panel: "Prescription Drugs and Creating Competition" Denver, Colorado – June 06, 2022

Invited speaker, Maryland State of Reform Health Policy Conference. Panel: "Pharmacy: Balancing Access and Costs" Baltimore, MD – May 04, 2022

Invited speaker, U.S. Senator Ben Cardin Facebook Live Panel: "High Price of Prescription Drugs: Taking Action to Lower Costs" Online Event – March 18, 2022

2021

Invited speaker, Congressional Hispanic Caucus Institute Fall Summit "The Future of Accessible Medicine" – November 15, 2021 (Online event)

Invited speaker, Doctors for America webinar: "Lunch & Learn – Myths & Facts of Drug Pricing Proposals" – September 28, 2021 (Online event)

Invited Speaker, University of Pennsylvania Leonard Davis Institute of Health Economics
webinar: “Drug Pricing: Policy and Politics”- September 17, 2021 (Online event)

Program Development

Founding member, Dystonia Reference Center, State Health Secretariat of Rio Grande do Sul, Brazil, 2005-2008. Role: attending physician and assistant manager

EDITORIAL ACTIVITIES

Peer Reviewer for:

The New England Journal of Medicine, Health Affairs, JAMA, JAMA Internal Medicine, JAMA Oncology, Annals of Internal Medicine, The Millbank Quarterly, Journal of General Internal Medicine, American Journal of Managed Care, Value in Health, Journal of The Comprehensive Cancer Care Network, Journal of Aging and Health, International Journal for Equity in Health, American Journal of Accountable Care, Health Promotion and Practice, Health Education Research, Pan American Journal of Public Health, Heart Journal.

HONORS AND AWARDS

Awards

Public Health Practice Awards

Sommer Klag Advocacy Impact Award, Johns Hopkins Bloomberg School of Public Health, 2025
Public Health Practice Award, Faculty, Johns Hopkins Bloomberg School of Public Health, 2022

Research Awards

Nexus Research Award, Johns Hopkins University, 2024
David and Elinor Bodian Scholarship, Johns Hopkins Bloomberg School of Public Health, 2016
Henry K. and Lola Beye Scholarship, Johns Hopkins Bloomberg School of Public Health, 2016
Research Fellowship, Council for Scientific and Technological Development (CNPq), Brazil 2009
Research Fellowship, Princeton University Grand Challenges Initiative & Ford Foundation, 2008
Scientific Research Training Program, National Council for Scientific and Technological Development (CNPq), Brazil, 2000

Teaching Awards

Golden Apple Award, Johns Hopkins Bloomberg School of Public Health, 2022
Teaching-As-Research Fellowship, Johns Hopkins Center for Educational Resources, 2015
Gordis Teaching Fellowship, Johns Hopkins Krieger School of Arts and Sciences, 2015
Gordis Teaching Fellowship, Johns Hopkins Krieger School of Arts and Sciences, 2014

Honors

Outstanding Teaching Recognition, Johns Hopkins Bloomberg School of Public Health, 2025
Course: U.S. Pharmaceutical Policy

Outstanding Teaching Recognition, Johns Hopkins Bloomberg School of Public Health, 2024
 Course: U.S. Pharmaceutical Policy; U.S. Pharmaceutical Policy Summer Institute
 Outstanding Teaching Recognition, Johns Hopkins Bloomberg School of Public Health, 2023
 Course: U.S. Pharmaceutical Policy
 Outstanding Teaching Recognition, Johns Hopkins Bloomberg School of Public Health, 2022
 Course: U.S. Pharmaceutical Policy
 Outstanding Teaching Recognition, Johns Hopkins Bloomberg School of Public Health, 2021
 Course: U.S. Pharmaceutical Policy
 Outstanding Teaching Recognition, Johns Hopkins Bloomberg School of Public Health, 2020
 Course: U.S. Pharmaceutical Policy
 Outstanding Teaching Recognition, Johns Hopkins Bloomberg School of Public Health, 2019
 Course: U.S. Pharmaceutical Policy
 Distinguished Teaching, Universidade Luterana do Brasil, 2009
 Distinguished Teaching, Universidade Luterana do Brasil, 2008
 Baccalaureate Speaker, Class of Medical School Graduates, Universidade Luterana do Brasil, 2008

Original Articles in Peer-Reviewed Journals

1. Bareamichael PI, Babu S, Hoang T, **Socal MP**. Bridging the Funding Gap in Drug Development for Amyotrophic Lateral Sclerosis. *Neurol Clin Pract*. 2026 Jun;16(3):e200623.
2. Karakousis CP, Polito F, Page KR, **Socal MP**. Insulin Patient Assistance Programs and Protected Health Information. *JAMA Netw Open*. 2026 May 1;9(5):e2611849
3. Bareamichael P, Dai T, **Socal M**, Anderson G. Balancing opportunities and risks of artificial intelligence in drug policy and regulation. *Am J Health Syst Pharm*. 2026 Apr 27:zxag124.
4. Hsu YJ, Weeks K, Schechter N, **Socal MP**, Farheen S, Vollmer E, Becker JF, Marsteller JA. Understanding Pain and Pain Management Patterns in Construction Workers: A Latent Class Analysis of Cross-Sectional Survey Data. *J Pain*. 2026 Apr 23:106303.
5. Sckaff M*, Odouard IC, Ballreich J, Anderson G, **Socal MP**. Out-of-Pocket Cost of Spinal Muscular Atrophy Gene Therapies Among Commercially Insured Patients. *JAMA Pediatr*. 2026 Apr 13. doi: 10.1001/jamapediatrics.2026.0641.
6. Fang M, Dun C, Wang D, Hicks CW, Selvin E, Shin JI, **Socal MP**. Trends in Insulin Out-of-Pocket Costs Among US Medicare Beneficiaries. *JAMA*. 2026 Mar 19. doi: 10.1001/jama.2026.2341.
7. Gibbons JB, DiStefano M, Anderson GF, Kesselheim AS, **Socal M**. Brand Manufacturer Coupons and Pharmaceutical Product Hopping. *JAMA Netw Open*. 2026 Mar 2;9(3):e262201.
8. Bazaz A, Ji Y, **Socal MP**, Kang SY. Trends in Venture Capital Investment in AI-Driven Biopharmaceutical Startups. *J Med Internet Res*. 2026 Feb 25;28:e84968.
9. **Socal MP**, Sun Y, Ballreich J, Acha JO, Yazdi MAA, Dai T, Dada M. Potential Impact of Tariffs on Active Pharmaceutical Ingredients on the Price of U.S.-Made Generic Drugs Open Access. *Health Affairs Scholar*, qxaf247, December 2025
<https://doi.org/10.1093/haschl/qxaf24723>
10. **Socal MP**, Markell J, Bareamichael PI, Bai G, Ballreich J. Mail-Order and Retail Pharmacy Use Among Medicare Beneficiaries With Alzheimer's Disease and Related Dementias. *J Am Geriatr Soc*. 2025 Oct 31. doi: 10.1111/jgs.70188.

11. Moore TJ, **Socal MP**, Anderson G. Developing New Drugs for the COVID-19 Emergency: Anatomy of the U.S. Response. *Pharmacotherapy*. 2025 Oct 22. doi: 10.1002/phar.70070.
12. Correia PE*, Bisi L, Zhang M, Sun Y, Martins BB, Porepp OSC, Colpani V, Kunzler LV, Teixeira PP, Ferrari GT, Zajdenverg L, Brietzke E, **Socal MP**, Gerchman F. Plant and Animal-Based Dietary Patterns and Cardiometabolic Diseases in the Brazilian Population: Cross-Sectional Analysis of the Brazilian National Health Survey. *Nutrients*. 2025 Oct 31;17(21):3448. doi: 10.3390/nu17213448.
13. **Socal MP**, Sun Y, Ballreich JM, Lambert JD, Dai T, Dada M. US Antibiotic Importation and Supply Chain Vulnerabilities. *JAMA Health Forum*. 2025;6(10):e253871.
14. **Socal MP**, Acha JA, Yang CY, Sun Y, Dada M, Dai T, Anderson GF, Ballreich J. Key Drivers and Mitigation Strategies of Oncology Drug Shortages 2023 to 2025. *Cancer J*. 2025 Sep-Oct 01;31(5):e0791.
15. Sun Y*, Correia PE, Teixeira PP, Spiazzi BF, Brietzke E, **Socal MP**, Gerchman F. Ultra-Processed Food Intake as an Effect Modifier in the Association Between Depression and Diabetes in Brazil: A Cross-Sectional Study. *Nutrients* 2025, 17(15), 2454; <https://doi.org/10.3390/nu17152454>
16. **Socal MP**, Kandula NR, Bareamichael PI, Ballreich J, Odouard I, Kang SY, Acha JO, Anderson KE, DiStefano M, Gerchman F, Levy JF. Improving Affordability of Pharmaceutical Treatments for Diabetes: A Call for Action. *Diabetes Care*. 2025 Jun 21:dcj250002
17. **Socal MP**, Dada M, Dai T. Prescription for Made in America? Tariffs and U.S. Drug Manufacturing. *Health Affairs Scholar*, qxaf122, <https://doi.org/10.1093/haschl/qxaf122> Published: 12 June 2025
18. Karakousis CP*, Polito F, Page KR, **Socal M**. Patient Assistance Programs for High-Cost Diabetes Medications: What Is Available for Uninsured Immigrants? *J Gen Intern Med*. 2025 Jun 2. doi: 10.1007/s11606-025-09623-2. Online ahead of print.
19. Trujillo AJ, Kwanghyun K, **Socal MP**, Ballreich J, Greene J, Anderson G. The Diffusion Dilemma in Innovation: Slow and Unequal Uptake of Low-emission Inhalers in the USA. *International Journal of Economics, Business and Management Research*. Vol. 9, No.04; 2025. <https://doi.org/10.51505/IJEBMR.2025.9409>
20. Estus E, Figueroa R, Lee H, Pegany V, Tefera L, **Socal M**. Increasing competition, improving access, and lowering the cost of naloxone in California. *Health Affairs Scholar* 2025; 3(2): qxaf007. <https://doi.org/10.1093/haschl/qxaf007>
21. Ballreich J, Odouard IC, **Socal MP**. The CMS Sickle Cell Gene Therapy Access Model. *JAMA Pediatr*. 2025 Feb 1;179(2):118-120. doi: 10.1001/jamapediatrics.2024.5536.
22. Levy JF, **Socal MP**, Ballreich JM. Strategic Manufacturer Response to the Medicaid Rebate Cap Removal. *JAMA Health Forum*. 2024 Nov 1;5(11):e243624
23. Mouslim MC, **Socal MP**, Trujillo AJ. Dynamics of biological markets with multiple biosimilar competitors in the United States. *Expert Opin Biol Ther*. 2024 Oct 9:1-8.
24. Plummer E, **Socal MP**, Bai G. Estimation of Tax Benefit of US Nonprofit Hospitals. *JAMA*. 2024 Sep 26:e2413413. doi: 10.1001/jama.2024.13413.
25. Wang Y, Kang SY, **Socal MP**, Dusetzina SB. Manufacturer-sponsored drug coupon use and drug-switching behavior among patients with type 2 diabetes. *J Manag Care Spec Pharm*. 2024 Sep;30(9):903-907.

26. Odouard IC*, Ballreich J, Lee B, **Socal MP**. Clinical Evidence Supporting FDA Approval of Gene and RNA Therapies for Rare Inherited Conditions. *Paediatr Drugs*. 2024 Aug 5. doi: 10.1007/s40272-024-00645-7.
27. Odouard I*, Ballreich J, **Socal MP**. Medicaid Spending and Utilization on Gene and RNA Therapies for rare inherited conditions. *Health Aff Sch*. 2024 Apr 26;2(5):qxae051.
28. **Socal MP**, Crane MA, Anderson GF. Global production of active pharmaceutical ingredients for US generic drugs experiencing shortages. *JAMA*. Published online April 29, 2024. doi:10.1001/jama.2024.5296
29. **Socal MP**, Sharfstein J. Drug Shortages: A Study in Complexity. *A JAMA Netw Open* 2024;7(4):e244168. doi: 10.1001/jamanetworkopen.2024.4168.
30. Yang YT, **Socal M**, Bennett CL. Addressing the Drug-Shortage Crisis in Oncology. *JAMA Oncol*. 2024 Jan 4. doi: 10.1001/jamaoncol.2023.5722.
31. Liu A*, Xuan A, **Socal M**, Anderson G, Anderson KE. Filgrastim and infliximab biosimilar uptake in Medicare Advantage compared with Traditional Medicare, 2016-2019. *J Manag Care Spec Pharm*. 2024 Jan;30(1):15-21.
32. **Socal MP**, Wang Y, Plummer E, Anderson GF, Bai G. Spending on Dual Over-the-Counter and Prescription Drugs in the Medicare Part D Program. *JAMA*. 2024 Jan 2;331(1):72-75.
33. Costin J, Mouslim MC, **Socal MP**, Trujillo A. Exploring the Influence of Health Insurance Plans on Biosimilar Adoption Rates. *Pharmacoecon Open*. 2024 Jan;8(1):115-118.
34. Ballreich J, Kim HS, **Socal M**. Pediatric Drugs, Accelerated Approval, and Prospects for Reform. *Paediatr Drugs*. 2024 Jan;26(1):5-8.
35. **Socal MP**, Odouard IC, Kharrazi H. Ownership and Interoperability Challenges of Alzheimer Monoclonal Antibody Registries. *JAMA Neurol*. 2024 Feb 1;81(2):109-110.
36. Odouard IC*, **Socal MP**, Anderson GF. Role of Registries in Medicare Coverage of New Alzheimer Disease Drugs. *JAMA*. 2023 Oct 10;330(14):1331-1332.
37. **Socal MP**, Bai G. Insulins and the Evolving Landscape of U.S. Prescription Drug Pricing. *Ann Intern Med*. 2023 Sep;176(9):1259-1260.
38. **Socal MP**. Increasing Private Payer and Medicare Coverage of Circulating Tumor DNA Tests: What's at Stake? *J Natl Compr Canc Netw*. 2023 Jun;21(6):685-686.
39. Anderson KE, DiStefano MJ, Liu A, Mattingly TJ 2nd, **Socal MP**, Anderson GF. Incorporating Added Therapeutic Benefit and Domestic Reference Pricing Into Medicare Payment for Expensive Part B Drugs. *Value Health*. 2023 Sep;26(9):1381-1388.
40. Zhang M*, Zucatti KP, Teixeira PP, Spiazzi BF, Correia PE, Wayerbacher LF, **Socal MP**, Boyko EJ, Colpani V, Gerchman F. Response to Letter to the Editor from Stumpf et al.: Cancer Outcomes Among Prediabetes and Type 2 Diabetes Populations With Dietary and Physical Activity-based Lifestyle Interventions. *J Clin Endocrinol Metab*. 2023 May 12:dgad266. doi: 10.1210/clinem/dgad266.
41. Anderson KE, Xuan A, Anderson GF, **Socal MP**. Estimating Changes in Medicare Part D and Commercial Insurer Insulin Spending Amid Planned State-Led Biosimilar Insulin Production in California. *JAMA Intern Med*. 2023 Jul 1;183(7):734-735.
42. Zhang M*, Zucatti KP, Teixeira PP, Correia PE, Wayerbacher LF, Spiazzi BF, **Socal MP**, Boyko EJ, Colpani V, Gerchman F. Cancer outcomes among prediabetes and type 2 diabetes populations with dietary and physical activity-based lifestyle interventions: A systematic review and meta-analysis. *J Clin Endocrinol Metab*. 2023 Mar 3:dgad123.

43. Ballreich J, **Socal M**, Bennett CL, Xuan A, Trujillo A, Anderson GF. Accelerated approval drug labels often lack information for clinical decision making. *Pharmacotherapy*. 2023 Apr;43(4):300-304.
44. **Socal MP**, Ahn K, Greene JA, Anderson GF. Competition and vulnerabilities in the global supply chain for U.S. generic active pharmaceutical ingredients. *Health Aff (Millwood)*. 2023 Mar;42(3):407-415.
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*Student first-authored paper

Articles, Editorials and other publications not peer-reviewed

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2. Ballreich J, Mello M, Reitsma MB, Kang SY, Liu A, Levy J, **Socal MP**, Trujillo A, Anderson GF.

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3. Dada M, Dai T, Sun Y, **Socal MP**. Tariffs as a Hidden Tax: Price Pass-Through in Multi-Stage Supply Chains. Tariffs as a Hidden Tax: Price Pass-Through in Multi-Stage Supply Chains (April 30, 2025). Johns Hopkins Carey Business School Research Paper. Available at SSRN: <https://ssrn.com/abstract=5237643> or <http://dx.doi.org/10.2139/ssrn.5237643>
4. **Socal MP**. How the drug price negotiation program could affect Medicare Part D beneficiaries. Stat News First Opinion (op-ed). September 08, 2023. <https://www.statnews.com/2023/09/08/medicare-part-d-drug-price-negotiations/>
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7. Anderson GF, Cordeiro T, **Socal MP**, Vela L. Removing Waste from Drug Formularies: A practical guide to help employers remove waste from drug formularies and achieve savings for companies and employees while maintaining member satisfaction. (Guidebook; authors in alphabetical order). October 2019. <https://www.pbgh.org/initiative/waste-free-formularies/>
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10. Bai G, **Socal MP**, Anderson GF. Policy Options To Help Self-Insured Employers Improve PBM Contracting Efficiency. Health Affairs Blog, May 29, 2019. <https://www.healthaffairs.org/doi/10.1377/hblog20190529.43197/full/>
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Book Chapters

1. **Socal MP**, Rieder CRM, Monte TL, Krug BC, Amaral KM. Distonias focais e Espasmo Hemifacial (Focal Dystonia and Hemifacial Spasm) In: Protocolos Clínicos e Diretrizes Terapêuticas (Clinical Protocols and Therapeutic Guidelines), 2nd Ed. Paulo Dornelles Picon & Alberto Beltrame, Eds. Brasília, DF, Brazil: Ministério da Saúde, 2010.
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Finkelsztejn KRP, Nogueira L. Escalas em Neurologia (Scales in Neurology). In: Rotinas em Neurologia e Neurocirurgia (Routines in Neurology and Neurosurgery). Márcia Lorena Fagundes Chaves, Alessandro Finkelstejn & Marco Antônio Stefani, Eds. Porto Alegre, RS, Brazil: Artmed Editora, 2008.

Practice-Related Reports

1. **Socal MP**, Acha JO, Ballreich J, Dada M, Dai T, Modi R, Sun Y, Yazdi MA. Policy memo. “Response to Proposed Rule: Medicare Program; Ensuring Safety Through Domestic Security with Made in America Personal Protective Equipment (PPE) and Essential Medicine Procurement by Medicare Participating Hospitals.” Submitted to the Federal Register in response to the Center for Medicare and Medicaid Services (CMS) Advanced Notice of Public Rulemaking CMS-1516-ANPRM on March 30, 2026.
2. **Socal MP**, Dai T, Ballreich J. Policy memo. “Response to the Request for Public Comments- Effects on national security of imports of pharmaceuticals and pharmaceutical ingredients, and their derivative products.” Submitted to the Federal Register in response to the Department of Commerce - Bureau of Industry and Security’s Notice of Request for Public Comments - Docket No. 250414-0065 - XRIN 0694-XC120 on May 07, 2025
3. **Socal MP**, Policy memo. “Re: House Bill 1365 – “An Act Relative to Substitution of Biological Products by Pharmacies.” to The General Court Of New Hampshire; New Hampshire House Committee on Commerce and Consumer Affairs; and New Hampshire Prescription Drug Affordability Board. March 22, 2024.
4. **Socal MP**, Xuan AL, Anderson KE, Anderson GF. Manufacturing Insulins as Part of CalRx Generic Drug Label: How Much Can California Patients and Payors Save? Memo to the California Health and Human Services Agency. March 2022
Estimated savings to California patients and payors under CalRx biosimilar insulin prices.
5. **Socal MP**, Long J, Crane MA, Anderson GF. Analysis for a State Generic Drug Label for the California Health and Human Services Agency. Memo to the California Health and Human Services Agency. January 2021.
Developed prioritization criteria for drugs to be manufactured as part of California's Generic Drug Label Initiative
6. **Socal M**, Patel P, Ballreich J, Anderson G. Monitoring price hikes and utilization of off-patent drugs. Memo to Joshua Auerbach, Assistant MD Attorney General. September, 2017.
Outlined criteria for prioritizing drugs to be targeted by the Maryland's generic drugs price gouging law later overturned in court.
7. Constenla D, Mirelman A, Alvaro A, Chen A, **Socal M**. The economic value of vaccines and immunization programs in low- and middle-income countries: An annotated bibliography. International Vaccine Access Center (IVAC), Johns Hopkins Bloomberg School of Public Health. Baltimore, MD: August, 2012
8. Gregory A, Kawamoto R, Lopez J, Palmer D, Petkun A, **Socal M**, Wong An, Woods G, Yin J. Implications for the Utilization of Advanced Medical Imaging: Comparative Effectiveness

Research in the United States. Woodrow Wilson School, Princeton University: January 2010.

PRACTICE ACTIVITIES

Research Findings Translation to Inform Policy and Practice

Testimony – Federal Level

United States Congress - House Committee on Education and Labor, April 22, 2026

Provided witness testimony at Congressional public hearing: “Profits Over Patients: The PBM Business Model Under Scrutiny” of the Subcommittee on Health, Employment, Labor, and Pensions.

United States Congress - House Committee on Education and Labor, May 05, 2021

Provided witness testimony at Congressional public hearing: “Lower Drug Costs Now: Expanding Access to Affordable Health Care”

United States Congress - House Committee on Education and Labor, September 26, 2019

Provided witness testimony at Congressional public hearing: “Making Health Care More Affordable: Lowering Drug Prices and Increasing Transparency”

U.S. Food and Drug Administration, May 13, 2019

Testified at Public Hearing: “The Future of Insulin Biosimilars.”

Presentation title: "Evaluating the interchangeability of insulin products – Which standards do we want?"

U.S. Food and Drug Administration, September 4, 2018

Testified at Public Hearing: “Facilitating Competition & Innovation in the Biological Products Marketplace.”

Presentation Title: "Improving Information Availability and Accessibility in the FDA Purple Book"

Testimony – State Level

Alaska Senate Labor and Commerce Committee, March 20, 2024

Testified at the public hearing on S.B. 121, "An Act relating to the Board of Pharmacy; relating to insurance; relating to pharmacies; relating to pharmacists; relating to pharmacy benefits managers; relating to patient choice of pharmacy; and providing for an effective date." Livestream recording at <https://www.akleg.gov/basis/Meeting/Detail/?Meeting=SL%26C%202024-03-20%2013:30:00&Bill=SB%20121>

Vermont General Assembly, Senate Committee on Health and Welfare, January 26, 2024

Testified at the public hearing on S.98, “An act relating to Green Mountain Care Board authority over prescription drug costs.”

Washington State Senate, Pre-Legislative Session Hearing on Drug Prices, December 01, 2022

Testified at the public hearing with the committee Chair, Senator Cleveland, and the agency in charge of the state's drug pricing efforts, the Health Care Authority, on the provisions of the Inflation Reduction Act related to drug pricing.

Maryland General Assembly Health and Government Operations Committee, March 15, 2022

Testified at the public hearing on HB 1397: Insulin Cost Reduction Act. (An Act to cap insulin out-of-pocket payments for privately insured and Medicare beneficiaries in the state of Maryland). Bill signed into law by Maryland Governor Larry Hogan on May 19, 2022.

Maine Prescription Drug Affordability Board, October 26, 2021

Testified on wasteful drug spending and ways to remove such spending from drug formularies.

Presentations to policy makers and other stakeholders

2026

Office of Management and Budget – February 25, 2026

Event: internal meeting

Presentation: Made-in-America drugs

Audience: 2 staffers

Location: Washington, DC

Congressional Budget Office – January 21, 2026

Event: internal meeting

Presentation: Hidden cost of insulin patient assistance programs

Audience: 4 CBO staffers

Location: Web-based

2025

National Academies of Science, Engineering, and Medicine – October 22-23, 2025

Event: Workshop: Improving Resiliency in the U.S. Pharmaceutical Supply Chain Through Make-Buy-Invest Strategic Actions

Audience: 150 in-person and 841 virtual participants with total viewing duration of 2,105 hours.

Location: Washington, DC

https://www.nationalacademies.org/event/45111_10-2025_improving-resiliency-in-the-us-pharmaceutical-supply-chain-through-make-buy-invest-strategic-actions-a-workshop

ERIC The ERISA Industry Committee Board of Directors– March 25, 2025

Event: Presentation on role of PBMs in high spending on specialty drugs

Audience: 30 representatives from ERIC board of directors

Location: Washington, DC

2024

Office of the Assistant Secretary for Policy and Evaluation (ASPE) – November 01, 2024

Event: Web-based presentation of the Johns Hopkins Drug Supply Chain Dashboard
Audience: 2 senior staff members

Alliance for Patient Access (AfPA) – September 24, 2024

Event: AfPA National Policy & Advocacy Summit
Presentation: “Pressure on Patients” expert panel
Audience: 100 in-person attendees (mainly patients and advocates)
Location: Washington, DC.

Congressman Jake Auchincloss (D, MA-04) – Sept 18, 2024

Event: web-based discussion on PBM reform bills.
Audience: Rep. Auchincloss, Jess Wysocki (staff), Prof. Craig Garthwaite (Northwestern U).

David B. Zlotnick, Deputy Attorney General, California Dep. of Justice- March 20, 2024; September 17, 2024

Event: Web-based presentation on insulin pricing dynamics in the US market 2001-2024.
Audience: 1 person (Mr. Zlotnick)
Location: Web-based

The Hill (media outlet) - March 06, 2024

Event: in-person and simulcast panel discussion for congressional staff and advocates
Audience: 100 in-person (plus livestream) congressional staffers and advocates
Presentation: Prescribing PBM reform, accelerating transparency with bipartisan action.
Location: Washington, DC.

International Negotiation Competition – Brazilian Chapter – March 08, 2024

Event: web-based panel
Audience: 80 faculty and students from top Brazilian universities
Presentation: Using negotiation skills in public health policymaking (keynote speaker)
Location: online event

Hopkins Geriatric Medicine and Gerontology Grand Rounds – February 22, 2024.

Event: Monthly meeting of the Department of Geriatric Medicine and Gerontology, Johns Hopkins Hospital
Audience: practicing physicians, residents, researchers, and trainees
Presentation: Mail Order versus Retail Pharmacy Use among Medicare Part D Beneficiaries with Alzheimer’s Disease and Related Dementias (ADRD) (presented by Jeromie Ballreich)
Location: online presentation for in-person audience in Baltimore, MD.

National Association of Medicaid Directors (NAMD) – February 12, 2024

Event: Web-based, biweekly call for state Medicaid CFOs.
Audience: 80 state Medicaid directors, pharmacy benefit directors, and CFOs.
Presentation: “Medicaid Rebate Cap Removal: Main Implications and Unintended Consequences”

National Coalition for Cancer Survivorship (NCCS) – January 17, 2024.

Event: NCCS Cancer Policy Roundtable Highlights Informational Webinar

Audience: 115 nationwide cancer policy advocates
Location: online event

2023

Center for Medicare and Medicaid Innovation (CMMI) – September 13, 2023

Event: Meeting on gene therapies for sickle cell disease

Audience: 6 CMMI

Location: Baltimore, MD

National Conference for State Legislatures (NSCL) – June 21, 2023

Event: Prescription Drug Peer Learning Group for State Legislators.

Panels: “Insulin Affordability: What’s next?” and “Pharmacy Benefit Managers: Caught in the Middle.”

Location: Portland, Oregon

Maryland State of Reform Health Policy Conference – June 14, 2023

Panel: “Methods to Lower the Cost of Drugs”

Audience: 30 decision-makers representing Maryland health insurers, hospitals, pharmacies, drug manufacturers, advocates, and state administrators, legislators, and their staff.

Location: Baltimore, MD

T1 International (Association representing persons with type 1 diabetes) – June 28, 2023

Event: Monthly meeting of the T1 International Federal Working Group

Presentation: policies to solve drug shortages and increase access to insulin

Audience: 10 members of T1 International

Location: online event

Health Canada, Office of Pharmaceuticals Management Strategies (Strategic Policy Branch)- June 20, 2023.

Event: Expert Speaker Series. Lecture: Pharmaceutical Supply Chains.

Audience: 20 staff members from various offices of the Health Canada agency

Location: Online event

Public Citizen & Families USA: Rx Allies Working group – June 15, 2023

Event: Monthly meeting

Presentation: Drug shortages and potential solutions

Audience: 80 participants including activists and experts across the U.S. (progressive & grassroots groups, labor unions, think tanks & academics)

Location: online event

Brazilian National Association of Private Hospitals (Associação Nacional de Hospitais Privados – ANAHP) - April 03, 2023.

Event: seminar on Introduction to the US health care system.

Audience: 30 Brazilian Senators and Federal Deputies.

Location: Baltimore, MD.

2022

National Association of Medicaid Directors (NAMMD) – November 15, 2022

Event: NAMMD Fall Conference.

Panel: “Pharmaceutical Policy”

Audience: 120 conference participants

Location: Washington, DC

National Academies of Science, Engineering and Medicine (NASEM) -October 24 and 25, 2022

Event: Stakeholder Meeting "Building Resilience into the Nation's Medical Product Supply Chains"

Audience: 30 NASEM experts representing academia, industry, government, and patient groups

Location: web-based event

National Conference for State Legislatures (NCSL) - October 12, 2022

Event: Health Legislative Staff Seminar: Achieving Affordable Quality Health Care Systems

Panel: “State Approaches to Prescription Drug Affordability”

Audience: 40 state legislative staff members

Location: Atlanta, Georgia

National Conference for State Legislatures (NCSL) – June 06, 2022

Event: State Policy Seminar: Levers to Address Health Costs

Panel: “Prescription Drugs and Creating Competition”

Audience: 30 state legislators

Location: Denver, Colorado

Maryland State of Reform Health Policy Conference. – May 04, 2022

Event:

Panel: “Pharmacy: Balancing Access and Costs”

Audience: 15 participants representing Maryland health insurers, hospitals, pharmacies, drug manufacturers, advocates, state administrators and legislators

Location: Baltimore, MD

White House Domestic Policy Council – October - December 2022

Event: briefings on (1) implementation of the drug pricing provisions in the Inflation Reduction Act; (2) potential impact of drug shortages on the penalty provisions of the IRA inflation rebate; and (3) recent shortages of pediatric preparations fever and anti-inflammatory medications.

Audience: 8 Domestic Policy Council members

Location: web based

CMMI and CMS – October and November 2022

Event: briefings on (1) implementing the drug pricing provisions in the Inflation Reduction Act, and (2) steps the Administration can take to reduce drug spending without legislative action.

Audience: 12 CMS and CMMI leadership and staff members

Location: web based

ASPE – October and November 2022

Event: briefings on: (1) steps to implement the drug pricing provisions in the Inflation Reduction Act, and (2) drug shortages - causes and potential solutions.

Audience: 10 ASPE leadership and staff members

Location: web based

United States Congress – September to December 2022

Event: web-based briefings to Congressional committees. Topics: (1) steps to implement the drug pricing provisions in the Inflation Reduction Act, (2) US pharmaceutical supply chain and the potential impact of drug shortages on the inflation rebate penalty established by the Act.

Audience: staff members of Senate Finance Committee, Senate HELP Committee, House Committee on Oversight and Reform, House Committee on Energy and Commerce, House Ways and Means Committee.

Location: web based

Center for Medicare and Medicaid Innovation (CMMI) – August 23, 2022

Event: internal meeting; topic: CMMI Demonstration Opportunities post-Inflation Reduction Act

Audience: 2 CMMI staff members

Location: web-based

Food and Drug Administration – August 03, 2022

Event: Brown bag health economics seminar ("Manufacturer-sponsored coupons support insulin product line extensions")

Audience: 20 FDA staff members

Location: Web-based.

Agency for Health Care Research and Quality (AHRQ) – July 07, 2022

Event: internal meeting ("Insulin: competition and affordability in the US market")

Audience: 2 AHRQ staff working on a report on insulin affordability for Congress

Location: Web-based

Endpoint News - June 21, 2022

Event: Panel: "Revamping the FDA's prized accelerated approvals"

Audience: 180 members of the public

Location: web-based

National Conference for State Legislatures – June 06, 2022

Event: Seminar: Levers to Address Health Costs (Panel: "Prescription Drugs and Creating Competition")

Audience: 80 State senators, delegates and representatives

Location: Denver, Colorado

Maryland State of Reform Health Policy Conference. – May 04, 2022

Event: Health Policy Conference (Panel: "Pharmacy: Balancing Access and Costs")

Audience: 20 Maryland elected officials and public health decision-makers

Location: Baltimore, MD

National Association of Medicaid Directors (NAMD) – CFO Affinity group – March 21, 2022

Event: Web-based, biweekly call for state Medicaid CFOs.

Audience: 80 state Medicaid directors and CFOs.

Presentation: “The Drug Development Pipeline: An Outlook for State Medicaid Directors”

U.S. Senator Ben Cardin - March 18, 2022

Event: Virtual conversation (Panel: “High Price of Prescription Drugs: Taking Action to Lower Costs”)

Audience: 100 Hill staffers, decision-makers, and general public

Location: online through Facebook Live

2021

Congressional Hispanic Caucus Institute – November 15, 2021

Event: web-based panel presentation

Audience: 100 members of Congress, staff members, and the general public

Presentation title: “Congressional Hispanic Caucus Institute Fall Summit – Panel: The Future of Accessible Medicine”

Maine Prescription Drug Affordability Board – October 25, 2021

Event: web-based presentation

Audience: 20 participants; members of the Prescription Drug Affordability Board of the state of Maine, the National Academy of State Health Policy (NASHP), and members of the public.

Presentation title: “Using Waste-free Formularies to Lower Prescription Drug Costs”

Doctors For America – September 28, 2021

Event: Webinar

Audience: about 50 physicians and medical students located nationwide

Presentation title: Lunch & Learn – Myths & Facts of Drug Pricing Proposals

University of Pennsylvania Leonard Davis Institute of Health Economics- September 17, 2021

Event: Webinar

Audience: 100+ health economists, physicians, and other scholars

Presentation title: “Drug Pricing: Policy and Politics”

2020

United States Congress - 2020

Event: web-based presentations to Congressional committees

Audience: staff members of Senate Finance Committee, Senate HELP Committee, House Committee on Oversight and Reform, House Committee on Energy and Commerce, House Ways and Means Committee.

Presentations topics: US pharmaceutical supply chain, drug shortages associated with COVID-19 epidemic, advanced purchasing commitments to support federal government drug price negotiations, biosimilar utilization in Medicare Part B, and Orphan Drug Act reform.

Medicare Payment Advisory Commission (MEDPAC) – November 19, 2020

Event: web-based presentation

Audience: about 5 MEDPAC staff members

Presentation topics: advanced purchasing commitments to support federal government drug price negotiations, biosimilar utilization in Medicare Part B, and Orphan Drug Act reform.

Congressional Budget Office (CBO) – November 12, 2020

Event: web-based presentation

Audience: about 10 CBO staff members

Presentation topics: advanced purchasing commitments to support federal government drug price negotiations, biosimilar utilization in Medicare Part B, and Orphan Drug Act reform.

Self-Insurance Institute of America, Inc. (SIIA) - October 15, 2020

Event: SIIA's 40th Virtual Annual National Conference & Expo

Audience: self-insured employers and their representatives (pharmacy benefit managers, health care consultants, insurance brokers, and others).

Presentation title: Removing Waste From Drug Formularies in Self-Insured Health Plans

Centers for Medicare and Medicaid Services (CMS) – September 03, 2020

Event: web-based presentation

Audience: about 10 CMS staff members

Presentation topics: biosimilar utilization in Medicare Part B, branded drug formulary placement in Medicare Part D, and Orphan Drug Act reform.

Health Rosetta - August 25, 2020

Event: Webinar

Audience: over 180 health benefit consultants, insurance brokers, third-party administrators and benefit managers working with self-insured employers

Presentation title: The Waste-Free-Formulary

Maine's State Employee Health Commission (SEHC) – June 18, 2020

Event: Web-based meeting

Audience: 24 members of the executive manager and labor advisory group of the Maine's State Employee Health Commission, which reviews and approves health plan design changes

Presentation title: Implementing a Waste-Free-Formulary

National Academy for State Health Policy (NASHP) – June 5, 2020

Event: Webinar

Audience: over 60 state public health officials, benefit managers, and state employee health programs staff members nationwide

Presentation title: Removing Wasteful Drug Spending from State Health Benefit Programs

Johns Hopkins Drug Access and Affordability Initiative - January 30, 2020

Event: Webinar

Audience: 15 senior health officials from New Jersey, New York, California and Maryland.

Presentation title: Removing Wasteful Drug Spending from State Health Benefit Programs

Johns Hopkins Science Policy Group, Johns Hopkins University - August 12, 2020

Event: virtual town hall on prescription drug affordability

Audience: about 50 graduate and undergraduate students

Presentation title: Landscape of federal level and what the outcomes of the presidential election could mean for the next cycle of drug pricing policies

2019

United States Congress - 2019

Event: Presentations to Congressional committees

Audience: staff members of Senate Aging Committee, Senate Finance Committee, Senate HELP Committee; staff members in the office of Rep. Nancy Pelosi, office of Rep. Diana DeGuette, and office of Rep. Lloyd Doggett.

Presentation topics: Insulin coverage and placement in Medicare part D formularies, Drug Formularies in Medicare Part D Prescription Drug Plans, Biosimilars and Orphan Drugs to staff directors.

Association of Health Care Journalists, November 14, 2019

Event: Webinar

Audience: about 50 health care journalists

Presentation title: Lowering Drug Prices: What Can Large Corporations Do?

Association of Health Care Journalists, November 04, 2019

Event: Lecture

Audience: about 25 recipients of the 2019 National Cancer Reporting fellowship program at the National Cancer Institute, National Institutes of Health

Presentation title: Tackling the Cost of Drugs and Treatment

Latino Public Health Network, Johns Hopkins Bloomberg School of Public Health, December 03, 2019

Event: Career panel

Audience: about 50 public health graduate students

Presentation topic: Latinas in Public Health Career Panel

2018

United States Congress - 2018

Event: presentations to Congressional Committees

Audience: staff directors and members of Ways & Means Committee, Energy & Commerce Committee, House Committee on Oversight and Reform.

Presentation topics: drug formularies in Medicare Part D prescription drug plans, biosimilars and orphan drugs

2017

MedChi, The Maryland State Medical Society, September 13, 2017

Event: invited lecture - debate

Audience: about 50 MedChi members

Presentation title: Pharma Transparency: Good or Bad? (defended the "pro" side)

Consultations with policy makers and other stakeholders

2023-ongoing

World Health Organization Technical Advisory Group on Pricing Policies for Medicines

Provide technical assistance on economic evidence required for prescription drugs seeking inclusion, expansion, or exclusion from the World Health Organization Essential Medicines List.

2020-ongoing

CalRx California Generic Drugs Label Initiative – February 2020-current

Providing technical assistance on prioritization criteria for drugs to be targeted by the Initiative, potential savings to payors and patients, and distribution channel needs of targeted drugs.

2023-2023

Centers for Medicare and Medicaid Services (CMS)

Provided technical expertise and advise to staff members on issues of gene therapy payment models and drug shortage solutions.

2021-2023

White House Domestic Policy Council, 2021-2023

Provided technical expertise and advice to staff members on drug pricing issues, supporting the drafting and posteriorly the enactment of the Inflation Reduction Act of 2022, and on supply chain

2020-2021

House of Representatives Committee on Oversight and Reform – October 2020-March 2021

Reviewer of confidential reports investigating drug pricing practices by pharmaceutical manufacturers such as Celgene, Mallinckrodt, Abbvie, and others.

2018-2019

Maryland Citizen's Health Initiative – Maryland Health Care for All Coalition

Collaborated with consumer coalition led by Vinny DeMarco on text and data for a bill introducing a prescription drug affordability board in Maryland.

Other practice activities

2025

Organizer/Sponsor, National Academies of Science, Engineering, and Medicine (NASEM).

Event: Improving Resiliency in the U.S. Pharmaceutical Supply Chain Through Make-Buy-Invest

Strategic Actions: A Workshop

Role: organizer/sponsor

Date: October 22-23, 2025

Location: Washington, DC

Audience: 150 in-person attendees and 810 online attendees

https://www.nationalacademies.org/event/45111_10-2025_improving-resiliency-in-the-us-pharmaceutical-supply-chain-through-make-buy-invest-strategic-actions-a-workshop

Organizer and moderator, Johns Hopkins Bloomberg School of Public Health

Event: International Conference on Drug Pricing and Affordability

Role: organizer and panel moderator

Date: February 05, 2025

Location: web-based

Audience: about 100 online attendees

2024

Organizer and Moderator, Panel: Leveraging the University Teaching Mission to Advance Policy-Making.

Event: Johns Hopkins University Provost DELTA Teaching Symposium (concurrent session)

Panelists: Melisa Lindamood (Hopkins Federal Affairs), Robert Kearns (JHU SOM), Keshia Pollack Porter (JHSPH), and Joshua Sharfstein (JHSPH)

Audience: 40 participants

Location: Johns Hopkins University Homewood Campus, Baltimore, MD, with online option

2023

Co-Organizer, Hopkins 2023 Innovations in the Biopharmaceutical Industry Conference

Event: Bringing together industry, academia, and regulators, discussed innovations in biopharma; role of recent legislation and regulatory changes; impact on patients and payors; outlook into future

Audience: 75 participants,

Location: Carey Business School Harbor East Campus, Baltimore, MD

Research finding dissemination through media appearances and other communication venues

2026

1. Interview with Patrick Adams (independent journalist) on tuberculosis drug prices- Jun 16
2. TV Interview with Randa Asaad Jebai (Middle East Broadcasting Networks-MBN News (Alhurra)) on effects of Strait of Hormuz' blockage on pharmaceuticals – March 27
3. Podcast interview with Stephanie Desmond (Public Health On Call) on TrumpRX- Feb 27
4. Interview with Peter Wehrwein (Managed Healthcare Executive) on SCOTUS decision on tariffs – Feb 20, 2026
5. Interview with Randy Dotinga (Medscape) on TrumpRX – Feb 10, 2026
6. Interview with Nyah Phengsitthy (Bloomberg Law) on DTC Drug Sales – Feb 02, 2026
7. Interview with Tami Luhby (CNN) on TrumpRX – Jan 27, 2026
8. Interview with Peter Sullivan (Axios) on PBM reform – Jan 26, 2026
9. Interview with Jasmine Laws (Newsweek) on the possibility of Denmark using Ozempic to retaliate on Trump's Greenland plans – Jan 20, 2026

2025

1. Podcast interview with Alice Cheng and Michael Rickels (Diabetes Care "On Air", American Diabetes Association) on drug affordability in diabetes – Dec 17, 2025
2. Interview with Nyah Phengsitthy (Bloomberg Law) on biosimilars – Nov 24, 2025
3. Interview with Marian Wang (Last Week Tonight) on supply chain – Nov 24, 2025

4. Live Radio interview with KQED Forum on CalRx insulins – Nov 11, 2025
5. Interview with Joseph Burns (Assoc. of Health Care Journalists) on TrumpRx – Oct 28, 2025
6. Radio interview with Allie Rasmus (KTVU Fox2) on IVF drug prices – October 17, 2025
7. Radio interview with April Dembosky (NPR/California Report) CalRx insulin – Oct 16, 2025
8. Interview with Fran Kritz (Verywell Health) on tariffs and drug prices – Sept 30, 2025
9. TV Interview with JackieDeFusco (Hearst Television) on drug prices – Sept 26, 2025
10. TV Interview with Mark Lucifero (Spectrum News) on drug prices – Sept 09, 2025
11. Interview with Shannon Najmabadi (Washington Post) on importation – Sept 08, 2025
12. Interview with Isabella Marin (Futuro da Saude/Brazil) – September 02, 2025
13. Interview with Laura Doan (CBS News) on drug prices – Aug 28, 2025
14. Interview with Lucia Helena (UOL Brazil) on GLP-1 coverage (via email) – Aug 25, 2025
15. Interview with Bonnie Murphy (Scripps.com) on tariffs and drug prices – Aug 12, 2025
16. Live TV interview with Raksha Avadhani (News X World/India) on tariffs – Aug 08, 2025
17. Interview with Nyah Phengsitthy (Bloomberg Law) on DTC Drug Sales – Aug 08, 2025
18. Interview with Samantha Fields (NPR Marketplace) on tariffs – Aug 07, 2025
19. Interview with Hugh Cameron (Newsweek) on drug tariffs (via email) – Aug 06, 2025
20. Live radio interview – Jenn White NPR 1A – pharmaceutical tariffs – Aug 06, 2025
21. TV Interview with Simon Kaufman (Scripps News) on tariffs – Aug 05, 2025
22. Interview with Melissa Goldin (The Associated Press) – fact-check pricing cuts– Aug 04, 2025
23. Live TV interview - CNN International (Kim Brumhuber) on tariffs – Aug 02, 2025
24. Interview with Manasi Vaidya (Pharmaceutical Technology & GlobalData Insights) on EU vs USA pharmaceutical tariff deal – Aug 04, 2025
25. Interview with Savannah Peters (NPR Marketplace) on tariffs – July 18, 2025
26. Interview with Joe Ilardi (The Baltimore Banner) on pharmacy closures - June 09, 2025
27. Live Press Briefing-Johns Hopkins Bloomberg School of Public Health– June 11, 2025
28. Interview with Emma Yasinski (MedShadow) on FDA Inspections – May 23, 2025
29. Podcast interview by Josh Sharfstein (Public Health OnCall/JHSPH) on tariffs – May 19, 2025
30. Interview with Melissa Goldin (Associated Press) – fact-check US/intl. prices– May 12, 2025
31. TV Interview with Alex Fruin (CoxMediaGroup) on EO on drug pricing– May 12, 2025
32. Interview with Nyah Phengsitthy (Bloomberg Law) on MFN drug prices – May 12, 2025
33. Live TV Interview - The Asia Trade (Bloomberg News) on tariffs – April 15, 2025
34. Interview with Annika Kim (CNBC) on tariffs – April 10, 2025
35. Interview with Sharmila Devi (The Lancet) on US-EU trade war – March 24, 2025
36. Interview with Lecia Bushak (MM+M) on pharma impacts from USAID cuts – March 05, 2025
37. Interview with Julia Craven (Popular Science) on drug naming policies – February 27, 2025
38. Interview with Mary Kekatos (ABC News Digital) on Medicaid budget cuts– February 26, 2025
39. Interview with Madison Dapcevich (Lead Stories) on Medicaid budget cuts– February 26, 2025
40. Live Press Briefing-Johns Hopkins Bloomberg School of Public Health– February 25, 2025
41. Interview with Steven Johnson (US News and World Report) on Trump administration repeal of Executive Order 14087 (Lowering Prescription Drug Costs for Americans - Jan 24, 2024
42. Interview with Caleb McCollough from PolitiFact on executive orders – Jan 23, 2024
43. Interview with Lionel Moise (abcNews - TV) on FTC's PBM investigation – Jan 15, 2025

2024

1. Interview with Lecia Bushak (MM+M) on pharma impact of RFK appointment – Nov 15, 2024
2. Interview with Alex Knapp (Forbes) on China tariffs on drugs – November 08, 2024

3. Interview with Zoey Becker (Fierce Pharma) on election policy implications – October 29, 2024
4. Interview with Lisa Jarvis (Bloomberg Newsroom) on shortage solutions - October 23, 2024
5. Interview with Lizzy Lawrence from Stat on shortages and compounding - October 22, 2024
6. Interview with Daniel Gilbert from Washington Post on Mounjaro shortages - October 18, 2024
7. Interview with Danielle Brown (Maryland Matters) on IV fluid shortages – October 10, 2024
8. Interview with Kate Knibbs (Wired) on GoodRx pricing model – October 01, 2024
9. Interview with Kristian Villesen (Dagbladet Information, Danmark) on NovoNordisk pricing policies for Wegovy and Ozempic in the USA and internationally – October 01, 2024
10. Interview with Tim Casey from AIS Health on Gene Therapies – Sept 19, 2024
11. Interview with Anikka Constantino from CNBC on Harris/Trump outlook – Sept 17, 2024
12. Interview with Tim Casey from AIS Health on Part D Premium Demonstration – Sept 10, 2024
13. Interview with Ike Swetlitz from Bloomberg News on Prior Authorization – Sept 5, 2024
14. Interview with Caleb McCollough from PolitiFact on impact of the IRA- August 22, 2024
15. Interview with Deena Beasley from Reuters on Medicare’s negotiated prices – Aug 21, 2024
16. Interview with Sharmila Devi from Lancet Oncology on drug shortages – Aug 19, 2024
17. Interview with Ian Lopez from Bloomberg Law on Medicare drug prices – Aug 15, 2024
18. Interview with Korin Miller from Fortune Magazine on the Harris campaign – August 06, 2024
19. Interview with Scaachi Koul from Best Case/Audible
20. on GLP-1 drugs – Aug 01, 2024
21. Interview with Jared Facundo from Capitol Forum on Medicare specialty tier – July 26, 2024
22. Interview with Nyah Phengsitthy from Bloomberg Law on Medicare prices – July 26, 2024
23. Interview with Maia Anderson from Morning Brew on Kisunla drug prices – July 16, 2024
24. Interview with Shawn Radcliffe from Healthline on GLP-1 drug competition – April 02, 2024
25. Live TV and radio interview with Bloomberg Businessweek on drug importation- Feb 22, 2024
26. Interview with Arielle Hixson from Cox Media Group on high drug prices – January 24, 2024
27. Johns Hopkins Bloomberg School of Public Health Live Press Briefing – January 24, 2024
28. Interview with Bailey Schulz from USAToday on Medicare price negotiations – Jan 18, 2024

2023

1. Interview with NPR Marketplace on Medicare drug negotiations – December 29, 2023
2. Interview with Charlotte Huff from ACP Internist on insulin pricing – December 04, 2023
3. Interview with Alice Tracey from The Capitol Forum on brown, white and clear bagging – November 14, 2023.
4. Interview with Rachel Nania from AARP Health and Medicine on paxlovid – October 30, 2023
5. Interview with Adam Bluestein from Fast Company on insulin pricing – October 30, 2023
6. Interview with Lexi Lonas from The Hill on ADHD drug shortages – October 23, 2023
7. Interview with Aaron Gregg from the Washington Post on pharmacy closures. October 19, 2023
8. Interview with Christiaan Hetzner from Fortune Magazine on drug shortages- October 13, 2023
9. Live interview on Inflation Reduction Act -CSPAN The Washington Journal – September 2023
10. Live interview on Inflation Reduction Act -NPR morning edition - September 2023
11. Live interview with Ayesha Rascoe on shortage of ADHD medications – NPR weekend edition Sunday – September 08 2023
12. Interview by Aimee Picchi for CBS News Moneywatch on Medicare drug price negotiation – September 2023
13. Interviewed for a televised segment by Pedro Paiva, Brasil de Fato, on drug shortages – August 2023

14. Interviewed for JHSPH's Public Health on Call Podcast by Prof. Josh Sharfstein on shortages of lifesaving chemotherapy drugs – July 07, 2023 <https://johnshopkinssph.libsyn.com/633-the-far-reaching-impacts-of-drug-shortages-affecting-cancer-treatments>
15. Interviewed by Prof. Lainie Rutkow for Johns Hopkins University's Live briefing on prescription drug shortages – June 02, 2023 <https://publichealth.jhu.edu/events/2023/johns-hopkins-briefing-prescription-drug-shortages>
16. Interviewed for a televised segment by Adriana Loeff, Univision, on shortage of pediatric medications. April 04, 2023.
17. Interviewed by Ian Philbrick, The New York Times, on the impact and potential savings from the Inflation Reduction Act. March 27, 2023.
18. Interviewed by Alice Tracey and Lauren Wadsten, The Capitol Forum, on PBM coverage of anti-MS drug Tecfidera. March 27, 2023.
19. Interviewed by Benjamin Ryan, The New York Times, on the impact of reductions in insulin list prices and the introduction of CalRx biosimilar insulin. March 20, 2023.
20. Interviewed by Grace H Fernandez, Communications and Marketing Specialist, Johns Hopkins Bloomberg School of Public Health on the impacts of insulin price reductions. March 02, 2023
21. Interviewed for a recorded podcast, "Health Affairs: Drug Podissey", on competition and vulnerabilities in the US pharmaceutical supply chain. February 28, 2023.
22. Interviewed by Jessica Grose, The New York Times, on shortages of pediatric medications. January 10, 2023.

2022

1. Interviewed for a recorded podcast, "Tradeoffs", on the anticipated impact of market entry of Humira biosimilars. December 07 2022
2. Interview by Daniel Gilbert, Washington Post, on drug shortages, November 30, 2022
3. Panelist on Endpoint News panel "Revamping the FDA's prized accelerated approvals" June 21, 2022 (web-based event)
4. Panelist on US Senator Ben Cardin's Facebook Live event "High Price of Prescription Drugs: Taking Action to Lower Costs" March 18, 2022
5. Interviewed by Matt Levin, Reporter, Marketplace/NPR, on Medicare drug pricing negotiations, August 08 2022
6. Interviewed by Lily Jamali, Reporter, Marketplace/NPR, on Post Roe vs. Wade pharmacy limitations to emergency contraception, June 28, 2022
7. Interviewed by Andrea Perdomo, reporter with the Tradeoffs podcast, on contrast media shortage and the vulnerability of our medical supply chain, June 02, 2022
8. Interviewed by Mary Ellen Schneider, Health/Medical Writer & Editor of ASH Clinical News, a publication of the American Society of Hematology, on global cost of hematology drugs. May 04, 2022
9. Interview with Shawn Radcliffe, writer at Healthline.com, on the U.S. House Oversight Committee Report on high prices for insulin and other prescription drugs. January 06, 2022.

2021

1. Interviewed by Laura Griffin, reporter with LastWeekTonight TV show, on insulin prices, access, and affordability. December 02, 2021
2. Interview with Yasmin Tayag, reporter with The Capsule, Fortune Magazine's weekly newsletter, on President Biden's prescription drug pricing plan. November 03, 2021

3. Interviewed by Nancy Marshall-Genzer, Senior Reporter, Marketplace Washington Bureau, NPR, on efforts to onshore the US pharmaceutical supply chain. September 30, 2021.
4. Interviewed by Celia Llopis-Jepsen, Health reporter, of NPR station KCUR 89.3FM, Kansas News Service, Kansas City, MO, on rebates and drug prices. May 07, 2021
5. Interviewed by Eloá Orazem, reporter, Brasil de Fato, on COVID vaccine patents. May 24, 2021¹
6. Interviewed by Grace H Fernandez, Communications and Marketing Specialist, Johns Hopkins Bloomberg School of Public Health on the impacts of COVID-19 on diabetes and insulin. April 07, 2021²
7. Interviewed by Jessie Jiang, reporter, Voice of America (VOA News) on the US pharmaceutical supply chain, April 27, 2021.
8. Interviewed by Abraham Kim, Clinical Content Editor, Doximity, on the Trump's administration executive order on price transparency³. April 08, 2021.

2020

1. Interviewed by Ryan Levi, Producer, Tradeoffs Podcast, on the California Generics Initiative.
2. Interviewed by Stephen Morrissey, Executive Managing Director of the New England Journal of Medicine, on draft guidance from the FDA aimed at promoting competition in the insulin market. Supplement to the N Engl J Med 2020; 382:981-983.
<https://www.nejm.org/action/showMediaPlayer?doi=10.1056%2FNEJMdo005708&aid=10.1056%2FNEJMp1916387&area=>
3. Orphan Drug Study featured by the Center of Biosimilars – News (June 25, 2020). *Orphan Drug Exclusivity Keeps Biosimilars Off the Market, Study Says*.
<https://www.centerforbiosimilars.com/news/orphan-drug-exclusivity-keeps-biosimilars-off-the-market-study-says>
4. Report to ERIC: The ERISA Industry Committee featured in Stat News – Pharmalot. *Large employers could have saved money if more biosimilars had been prescribed* (April 02, 2020).
<https://www.statnews.com/pharmalot/2020/04/02/biosimilars-biologics-drug-prices-remicade/>
5. Report to ERIC: The ERISA Industry Committee featured by the Center of Biosimilars – News (April 01, 2020) *Study: Employers Can Save With Biosimilars*.
<https://www.centerforbiosimilars.com/news/study-employers-can-save-with-biosimilars>
6. Medicare Bundled Payments study featured in EurekAlert news from the American Association for the Advancement of Sciences. February 20, 2020. *Bundled payments have not led to 'cherry-picking' of patients for joint replacement surgery*.
https://www.eurekalert.org/pub_releases/2020-02/wkh-bph022020.php

2019

1. Quote from FDA Testimony featured in Politico. *Insulin meeting shines light on biosimilar barriers* <https://www.politico.com/newsletters/prescription-pulse/2019/05/14/insulin-meeting-shines-light-on-biosimilar-barriers-436306>
2. Interviewed by Michelle Meyer from Managed Healthcare Executive Magazine on “*What Healthcare Execs Need to Know About Medicare Paying for CAR-T Cell Treatments*”
3. Interviewed by Joseph Burns from Managed Care Magazine on the impact of rebates on large

¹ <https://www.brasildefato.com.br/2021/05/26/eua-passam-a-apoiar-quebra-das-patentes-de-vacinas-e-isolam-ainda-mais-o-brasil>

² <https://www.jhsph.edu/covid-19/articles/the-impacts-of-covid-19-on-diabetes-and-insulin.html>

³ See: Kim A. The New Price Transparency Rule Aims to Lower Drug Costs. But Will It Work? https://opmed.doximity.com/articles/the-new-price-transparency-rule-aims-to-lower-drug-costs-but-will-it-work?_csrf_attempted=yes

employer's drug formularies.

4. Interview with Mark Verdencia from United States Pharmacopeia on manufacturing standards for insulin.
5. Interviewed by Dana G Smith from Medium media on high insulin prices.

2018

1. Collaborated with Kaiser Health News' reporter Jay Hancock to inform a news article on favorable placement of branded products in Medicare part D prescription drug formularies.
2. Interviewed by Record TV News (Brazilian TV station) on the comparison between the US health care system and the Brazilian health care system.

Software and Other Product Development

Principal Investigator, Johns Hopkins Prescription Drug Supply Chain Data Dashboard and Resource Center, 2025-present

Developed a Data Dashboard and resource center for information on global US-focused prescription drug supply chains, comprehending over 60,000 drugs.

Website: supplychain.jhu.edu

CURRICULUM VITAE

Mariana P. Socal, M.D., M.Sc., M.P.P., Ph.D.

PART II

TEACHING & MENTORING

Advisees

Doctoral-level Advising (JHSPH)

Ilina Odouard (PhD): Primary advisor, 2024-present
Jianing (Johnny) Li (DRPH): Primary advisor, 2024-present
Alexander Bastian (DrPH): Primary advisor, 2024-present
Alysia Drummond (DrPH): Co-advisor (with Alyssa Moran), 2022-present
Elaine Boing (DrPH): Co-Advisor (with Gerard Anderson), 2020 – present
Laura Tolosa (DrPH): Primary advisor, 2022–2023 (dropped out)

Doctoral-level Advising: Preliminary Oral Participation (JHSPH)

Randall Greenlett (PhD, Epidemiology), Schoolwide exam, 2026 (alternate committee member)
Alysia Drummond (DrPH), Schoolwide Oral Exam, 2025 (role: advisor, member)
Karim Ould-Kaci (DRPH): School-Wide Oral Exam, 2024 (role: committee member)
Jianing (Johnny) Li (DRPH): School-Wide Oral Exam, 2024 (role: advisor)
Amanda Teeple (DRPH), School-Wide Oral Exam, 2024 (role: committee chair)
Ingrid Wong (DRPH, Tsinghua), Concentration Oral Exam, 2024 (role: alternate member)
Amanda Teeple (DrPH), Concentration Oral Exam, 2024 (role: committee member)
Alysia Drummond (DrPH), Concentration Oral Exam, 2024 (role: advisor, member)
Abigail Neel (DrPH), Preliminary Exam, 2023 (role: alternate committee member)
Zachary Enumah (PhD, IH), Preliminary Exam, 2021 (role: committee member)
Michael DiStefano (PhD, HPM), Preliminary Exam, 2018 (role: alternate committee member)
Farah Yehia (PhD, HPM), Preliminary Exam, 2018 (role: committee member)

Doctoral-level Advising: Final Oral Participation (JHSPH)

Lijuan Zeng (PhD, Epidemiology) Final Oral Exam, 2026 (role: alternate committee member)
Ingrid Wong (DRPH, Tsinghua), Final Oral Exam, 2025 (role: committee member)
Amanda Teeple (DrPH), Final Oral Exam, 2025 (role: committee member)
Giridhar Mohan (DrPH), Final Oral Exam, 2025 (role: alternate committee member)
Angela Liu (PhD), Final Oral Exam, 2024 (role: alternate committee member)
So Yeon Kang (PhD), Final Oral Exam, 2023 (role: alternate committee member)
Kiefer Ahn (PhD), Final Oral Exam, 2022 (role: alternate committee member)
Zachary Enumah (PhD), Final Oral Exam, 2022 (role: committee member)
Sonal Parasrampur (PhD), Final Oral Exam, 2019 (role: alternate committee member)

Johns Hopkins Center for Global Health Established Field Placement Advising
(Project: Human Nutrition in Brazil)

JHSPH (2025): Yanqi Hu
JHAPH (2025): Keyi Jiao
JHSPH (2023): Yunxiang Sun
JHSPH (2022): Minghui Zhang
JHSPH (2021): Lauren Bisi

Masters' Capstone Advising

JHSPH (2025-2026): Yanqi Hu [MSPH Health Systems]
JHSPH (2025-2026): Veronica Streck [MSPH Health Systems]
JHSPH (2025-2026): Cheryl Xu [MPH]
JHSPH (2025-2026): Christine Lee [MPH]
JHSPH (2025-2026): Christopher Carney [MPH]
JHSPH (2025-26): Sezen Karakus [MPH]
JHSPH (2025-26): Bryan Deuber [MPH]
JHSPH (2024-26): Juliet Zon [MPH]
JHSPH (2024-25): Paola Sormani [MPH]
JHSPH (2024-25): Deanna Portero [MPH]
JHSPH (2024-25): Tiago Araujo [MPH] - **Won MPH Capstone Award 2025**
JHSPH (2024-25): Cassandra Walker [MPH]
JHSPH (2024-25): Michael Carter [MPH]
JHSPH (2024-25): Bryce St.Clair [MPH]
JHSPH (2023-24): Lisa Peters [MPH]
JHSPH (2023-24): Sam Hannon [MPH]
JHSPH (2023-24): Sophie Dilek [MPH]
JHSPH (2023-24): Jen Black [MPH]
JHSPH (2022-23): Darci Corwen-Garber [MPH]
JHSPH (2022-23): Nirmal Choradia [MPH]
JHSPH (2022-23): Audrey Cheng [MPH]
JHSPH (2022-23): Abigail Pirron [MPH]
JHSPH (2022-23): Mariam Assi [MPH]
JHSPH (2022-23): Karime Kalil Machado [MPH]
JHSPH (2021-22): Joseph Hydell [MPH]
JHSPH (2021-22): Rachel Lamparelli [MPH] - **Won MPH Capstone Award 2022**
JHSPH (2021-22): Laron Johnson [MPH]
JHSPH (2021-22): Jennifer Hsu [MPH]
JHSPH (2021-22): Amelia Murphy [MPH]
JHSPH (2020-21): Fabrício Garcia [MPH]- **Won MPH Capstone Award 2022**
JHSPH (2019-20): Jiahe Liang [MPH] - **Won MPH Capstone Award 2020**
JHSPH (2018-19): Sarah Vick, MD [MPH] - **Won MPH Capstone Award 2019**
JHSPH (2018-19): Daniel Gorbaty [MPH]
JHSPH (2018-19): Yaacov Anziska, MD [MPH]

Masters-level Academic Advising

JHSPH (2023-2025): Academic Network Advisor (ANA) for 5 part-time MPH students
JHSPH (2022-2024): Academic Network Advisor (ANA) for 15 part-time MPH students
JHSPH (2022-2023): Academic Network Advisor (ANA) for 10 full-time MPH students
JHSPH (2019-20): MonYi Lwin [MSPH in Health Policy and Management]
JHSPH (2018-19): Dewyn Bell [MSPH in Health Policy and Management]
JHSPH (2018-19): Diana Teremzawi [MSPH in Health Policy and Management]

General Internal Medicine Residency Capstone Advising (Universidade Luterana do Brasil)

2009: Fabíola Madalozzo da Costa, MD
2009: Vanice Ferraza Zaltron, MD

M.D. Thesis Advising (Universidade Luterana do Brasil, Brazil)

2009: Fernando Muratore, MD
2009: Eduardo Fialho Ruschel, MD
2009: Aline Tagliari Kurtz, MD
2008: Tiago Hermes Maeso Montes, MD
2008: Fernando Godoy Neves, MD
2008: Marta Ryff Moreira, MD
2008: Letícia Machado Rosa da Silva, MD
2008: Ana Caroline Gazzolla, MD
2007: Jean Franco Rostellato Marin, MD

M.D. Thesis Examination Committee (Universidade Luterana do Brasil, Brazil)

2007: Thais Pletsch Schaefer, MD (role: committee member)
2007: Bethânia Camara Ehlers, MD (role: committee member)
2007: Rodrigo Meirelles Borba, MD (role: committee member)

Faculty Mentorship

JHSPH (2022-current): Dr. Yang Wang, PhD. Assistant Scientist, HPM Department

Classroom Instruction (Principal Instructor)

Instructor, PH 309.861.01 Graduate Seminar in Health Services Research and Policy

Sequence of 4 courses spanning the fall and spring semesters. Mandatory for PhD students in Health Services Research and Policy

2025 Enrollment: 8

Johns Hopkins Bloomberg School of Public Health (1 credit each term, total 4 credits)
Department of Health Policy and Management, Baltimore, MD

Instructor, PH 308.630.01 U.S. Pharmaceutical Policy.

Course newly created by Mariana Socal in Spring 2019 (4th term) – ongoing offering
Johns Hopkins Bloomberg School of Public Health (3 credits)
Department of Health Policy and Management, Baltimore MD

2025 Enrollment: 78 *Received Outstanding Teaching Recognition from the JHSPH Dean*
2024 Enrollment: 65 *Received Outstanding Teaching Recognition from the JHSPH Dean*
2023 Enrollment: 87 *Received Outstanding Teaching Recognition from the JHSPH Dean*
2022 Enrollment: 80 *Received Outstanding Teaching Recognition from the JHSPH Dean*
2021 Enrollment: 45 *Received Outstanding Teaching Recognition from the JHSPH Dean*
2020 Enrollment: 34 *Received Outstanding Teaching Recognition from the JHSPH Dean*
2019 Enrollment: 33 *Received Outstanding Teaching Recognition from the JHSPH Dean*

Instructor, PH 308.630.731 U.S. Pharmaceutical Policy (Winter Institute)

Course newly created by Mariana Socal in Winter 2025

2025 Enrollment: 12

Johns Hopkins Bloomberg School of Public Health (3 credits)

Department of Health Policy and Management, Baltimore, MD

Instructor, PH 308.630.51 U.S. Pharmaceutical Policy (Summer Institute)

Course newly created by Mariana Socal in Summer 2024

2024 Enrollment: 8

Johns Hopkins Bloomberg School of Public Health (3 credits)

Department of Health Policy and Management, Washington, DC

Received Outstanding Teaching Recognition from the JHSPH Dean

Co-Instructor, PH 300.651.01 Introduction to the U.S. Health Care System (with Profs. Dan Polsky and Craig Pollack) (1st term). (2020-2022)

2022 Enrollment: 190 masters and doctoral students

2021 Enrollment: 200 masters and doctoral students

2020 Enrollment: 149 masters and doctoral students

Johns Hopkins Bloomberg School of Public Health (3 credits)

Department of Health Policy and Management, Baltimore MD

Co-Instructor, PH 309.670.01 Comparative Health Insurance (with Gerard Anderson and Amber Willink). (2nd term) (2018-2019)

2019 enrollment: 15 masters and doctoral students

2018 enrollment: 40 masters and doctoral students

Johns Hopkins Bloomberg School of Public Health (3 credits)

Department of Health Policy and Management, Baltimore MD

Instructor, AS.280.409 Health Systems Challenges from Chronic Diseases in Low- and Middle-Income Countries (Fall semester) (2013 and 2015)

Course created by Mariana Socal as part of the Gordis Teaching Fellowship

2015 enrollment: 14 undergraduate students

2013 enrollment: 16 undergraduate students

Johns Hopkins University – Krieger School of Arts and Sciences (4 credits)

Co-Instructor, Neuro-Psychiatry I (Universidade Luterana do Brasil School of Medicine)

Enrollment in 2008: 60 medical students

Enrollment in 2007: 60 medical students

Enrollment in 2006: 60 medical students

Co-Instructor, Neuro-Psychiatry II (Universidade Luterana do Brasil School of Medicine)

Enrollment in 2008: 60 medical students

Enrollment in 2007: 60 medical students

Enrollment in 2006: 60 medical students

Instructor, Introduction to Neurology (Universidade Luterana do Brasil School of Speech Therapy)

Enrollment in 2007: 20 speech therapy students

Enrollment in 2006: 20 speech therapy students

Enrollment in 2005: 20 speech therapy students

Other Significant Teaching

Guest Lectures - Johns Hopkins Bloomberg School of Public Health

- PH 221.619.01 Introduction to Global Health Economics. Lead instructor: Andres Vecino-Ortiz. Topic: Global pharmaceutical supply chain. 2025 (terms 4 and 1), 2026.
- PH 300.651.01 Introduction to the U.S. Health Care System. Lead instructor: Dan Polsky. Topic: U.S. Pharmaceutical Market. 2023, 2024, 2025.
- PH 550.608.11 - Problem Solving in Public Health. Lead instructors: Daniel Barnett and Joe Brodine. Topic: Addressing COVID-19 Treatment Pricing Using Problem-Solving Methodology. 2024; 2025; 2026
- PH 309.620.01 – Managed Care and Health Insurance. Lead instructor: Jonathan Weiner. Topic: Pharmaceutical policy and coverage: PBMs and Medicare Part D. 2024, 2025, 2026.
- PH 221.610.01 and PH 221.610.81 - Pharmaceutical Systems: Advancing Access to Medicines in the Field. Lead instructor: Maria Eng. Topic: Pharmaceutical pricing policies in low- and middle-income countries with case studies on US and Brazil. 2024, 2025
- PH 221.652.01- Financing Health Systems for Universal Health Coverage. Lead instructor: Krishna Rao. Topic: Pharmaceutical pricing mechanisms with case study: US. 2024, 2025
- PH 309.670.01 - Comparative Health insurance. Lead instructor: Yang Wang. Topic: Health Systems in Low- and Middle-Income Countries. 2024.
- PH 300.610.01 Public Health Policy (MPH summer program). Lead instructor: Josh Sharfstein. Lecturer on Pharmaceutical Pricing and Policy. 2018, 2019, 2020, 2021, 2022, 2023, 2024, 2025, 2026

- PH 550.608.19 Problem Solving in Public Health. Lead instructor: Daniel Barnett. Lecturer on Comparative Health Insurance. 2019.
- PH 223.667.11 Chronic Diseases in Low and Middle Income Countries: Prevalence and Epidemiology (Summer Institute in Tropical Medicine and Public Health). Lead instructor: Will Checkley. Lecturer in the module of brain disorders. In-person lecturer: 2022, 2019, 2018, 2017, 2016, 2015. Online lecturer: 2021, 2020.
- PH 313.861.01 Public Health Economics Seminar. Lead instructor: Jeromie Ballreich. Lecturer on Drug Coverage. 2017.
- PH 313.793.11 Extended Exercises in Cost Effectiveness (Summer Institute on Health Policy and Management). Main instructor: Greg De Lissovoy. Lectures: Framing the study; Model parameters; and Measures of "effect." 2015.

Teaching Assistant - Johns Hopkins Bloomberg School of Public Health

2015-2016

- 300.610.01 Public Health Policy (4 credits)
- 309.670.01 Comparative Health Insurance (3 credits)
- 313.793.11 Extended Exercises in Cost Effectiveness (2 credits)

2014-2015

- 380.756.01 Poverty, Economic Development, and Health (4 credits)
- 309.670.01 Comparative Health Insurance (3 credits)

2013-2014

- 551.607.01 Pharmaceuticals Management for Under-Served Populations (3 credits)
- 221.617.01 Behavioral Economics in Health Decisions (2 credits)

2012-2013

- 140.621.01 Statistical Methods in Public Health I (4 credits)
- 140.622.01 Statistical Methods in Public Health II (4 credits)
- 221.647.01 Comparative Evaluation for Health Policy in International Health (3 credits)
- 221.652.01 Health Financing in Low and Middle Income Countries (3 credits)
- 313.632.01 Economic Evaluation III (3 credits)
- 221.617.01 Behavioral Economics in Health Decisions (2 credits)

RESEARCH GRANT PARTICIPATION

Current Funding

Agency: Johns Hopkins Bloomberg School of Public Health, Department of Health Policy and Management HPM Small Grants Program

Grant #: N/A

Grant title: Shortage Watch: Predictive Analytics and Data-Sharing Framework to Support HPM

Health Services and Economics Research Projects

Principal Investigator: Mariana Socal

Coinvestigator: Jeromie Ballreich (BSPH)

Level of Funding: \$49,542

Dates: 2026-2027

Agency: U.S. Defense Health Agency, Department of Defense (DOD) via Uniformed Services University Center for Health Services Research

Grant #: HU00012520014

Grant title: Assessing Domestic Production of Pharmaceutical Products for the Military Health System (Part of the grant “Assessing Domestic Production of Pharmaceutical Products for the Military Health System” led by Prof. Tracey Koehlmoos of the Uniformed Services University)

Principal Investigator: Mariana Socal

Coinvestigators: Jeromie Ballreich (BSPH), Gerard Anderson (BSPH), Maqbool Dada (CBS), Tinglong Dai (CBS), Jeremy Greene (SOM), Josh Sharfstein (BSPH)

Level of funding: \$1,500,000

Dates: 2024-2027

Agency: ERIC – The ERISA Industry Committee

Grant title: Specialty Drugs and Generic/Biosimilar Competition: Spending and Utilization Impact on Plan Sponsors and Beneficiaries

Principal Investigator: Mariana Socal

Coinvestigators: Jeromie Ballreich, Joseph Levy, Ge Bai, Antonio Trujillo, Gerard Anderson

Level of funding: \$250,000

Dates: 2025-2026

Agency: Johns Hopkins University Nexus Research Award

Grant title: The Johns Hopkins Drug Supply Chain Data Dashboard: Improving Data Transparency and Increasing Resiliency in the U.S. Pharmaceutical Supply Chain

Principal Investigator: Mariana Socal

Coinvestigators: Jeromie Ballreich (BSPH), Gerard Anderson (BSPH), Maqbool Dada (CBS), Tinglong Dai (CBS), Jeremy Greene (SOM), Josh Sharfstein (BSPH)

Level of funding: \$300,000

Dates: 2024-2025

Agency: California Department of Health Care Access and Information (CA-HCAI)

Grant Title: CalRx Research and Data Support Services

Principal Investigator: Mariana Socal

Level of Funding: \$150,000

Dates: 2023-2026

Agency: Arnold Ventures

Grant title: Policy Options that Maximize Access to and Affordability of Prescription Drugs

Principal Investigator: Gerard Anderson (Socal: Project manager)

Level of funding: \$4,000,000

Dates: 2024-2026

Investigate the effects of drug pricing on the use of other (non-pharmaceutical) healthcare services, medication use patterns, treatment safety, and effectiveness.

Completed Research Support

Agency: The Commonwealth Fund

Grant Title: How might Part D Plans respond to the Inflation Reduction Act?

Principal Investigator: Jeromie Ballreich (Socal: Co-Investigator)

Level of Funding: \$49,478

Dates: 2023-2024

Agency: Hopkins' Economics of Alzheimer's Disease & Services (HEADS) Center

Grant title: Mail order versus retail pharmacy use among Medicare Part D beneficiaries with dementia.

Principal Investigator: Mariana Socal

Level of Funding: \$25,000

Dates: 2023-2024

Agency: Arnold Ventures

Grant title: Policy Options that Maximize Access to and Affordability of Prescription Drugs

Principal Investigator: Gerard Anderson (Socal: Project manager)

Level of funding: \$3,586,034

Dates: 2019-2024

Investigate the effects of drug pricing on the use of other (non-pharmaceutical) healthcare services, medication use patterns, treatment safety, and effectiveness.

Agency: Hopkins Business of Health Initiative

Grant Title: Waste-Free Formularies: Developing a tool to identify savings opportunities from substituting high cost drugs with less expensive but clinically equivalent alternatives

Principal Investigator: Mariana Socal

Level of Funding: \$18,000

Dates: 2021-2023

Develop an automatic tool that can identify price outliers within specific therapeutic classes of interest, helping plan sponsors identify potential sources of wasteful spending in their formularies.

Agency: The Commonwealth Fund

Grant title: Mail Order Pharmacies in Medicare Part D

Principal Investigator: Mariana Socal

Level of Funding: \$85,000

Dates: 2021-2022

Investigate dispensing practices in mail order pharmacies as compared to retail pharmacies in Medicare Part D

Agency: Arnold Ventures

Grant title: Lowering Drug Prices By Phasing Out Rebates
Principal Investigator: Gerard Anderson (Socal: Co-principal investigator)
Level of Funding: \$700,000
Dates: 2018-2021
Implement strategies to reduce wasteful spending on pharmaceuticals.

Agency: ERIC - The ERISA Industry Committee
Grant title: Shifting Biologics Utilization Towards Biosimilars: How Much Can Employers Save?
Principal Investigator: Mariana Socal
Level of Funding: \$125,000
Dates: 2019-2020
Investigate patterns of biologics and biosimilar utilization among large self-insured employers, calculating savings to plan sponsors and patients.

Agency: Laura and John Arnold Foundation
Grant title: Policy Options that Maximize Access to and Affordability of Prescription Drugs
Principal Investigator: Gerard Anderson (Socal: investigator)
Level of funding: \$3,586,034
Dates: 2016-2019
Investigate the effects of drug pricing on the use of other (non-pharmaceutical) healthcare services, medication use patterns, treatment safety, and effectiveness.

Agency: NIH Grant P30 AG024361 & Princeton University Center for the Demography of Aging
Grant title: An exploratory study of the occurrence of pharmaceutical-induced aging symptoms in the United States and in Brazil
Principal Investigator: Joao Biehl (Socal: co-principal investigator)
Level of funding: US\$70,000
Dates: 2011-2012

ACADEMIC SERVICE

Division and/or Department (Health Policy and Management)

2025– current	Director, PhD in Health Services Research Concentration
2025– current	Chair, PhD in Health Services Research Admissions Committee
2025– current	Academic Policy and Admissions Committee (APAC) (member)
2025–2026	PhD in HPM admissions committee (member)
2024-2024	PhD in Health Services Research admissions committee (member)
2024-2024	PhD Exam Committee (participation as a grader)

School (JHSPH)

2021-2021 Member of Ad Hoc Faculty Development Committee to review the promotion of Andres Vecino Ortiz to associate scientist, Department of International Health, JHSPH
2013-2016 Founder and President, Chronic Diseases & Aging Initiative, JHSPH Student Group
2016-2016 Student Representative, JHSPH Ethics Board
2014-2015 Member, Quality of Life Committee, JHSPH Student Assembly
2014-2015 International Health Departmental representative, JHSPH Student Assembly

University

2015-2016 Mentor, JHU Public Health Connection Program

PRESENTATIONS

International Scientific Meetings

2025

Socal MP, Sun YX, Ballreich J, Dai T, Dada M Identifying the Global Sources of Insulin for the US Market: An Important Step to Promote Competition. American Public Health Association (APHA) Annual Meeting. (oral presentation)

Socal MP, Sun YX, Ballreich J, Dai T, Dada M. Identifying the Global Sources of Antibiotics for the US Market – an Important Step to Mitigate Drug Shortages. American Public Health Association (APHA) Annual Meeting. (oral presentation; presenter: Yunxiang Sun)

Socal MP. Panelist. Panel: Looking Ahead: Federal Health Policy Priorities. American Society of Health Economists (ASHEcon) 14th Annual Meeting. Nashville, TN. June 24, 2025. (panelist in oral presentation)

Socal MP, Sun YX, Ballreich J, Dai T, Dada M. Identifying the Global Sources of Antibiotics for the US Market – an Important Step to Mitigate Drug Shortages. American Society of Health Economists (ASHEcon) 14th Annual Meeting. Nashville, TN. June 24, 2025. (oral presentation; presenting author: Yunxiang Sun)

Socal MP. Panelist. Panel: Biosimilars Today: Who Is Winning the Global Race? Arnold Ventures' Innovation Theater. Drug Information Association (DIA) 2025 Global Annual Meeting. Washington, DC. June 17, 2025. (panelist in oral presentation)

Socal MP. Panelist. Panel: ADA Diabetes Care Symposium—How Do We Fix a Broken Health Care System? American Diabetes Association 85th Scientific Sessions. Chicago, IL. June 21, 2025. (panelist in oral presentation)

Socal MP, Sun YX, Ballreich J, Dai T, Dada M. Identifying the Global Sources of Antibiotics for the US Market to Enhance Supply Chain Resiliency. Industry Studies Association (ISA) Annual Conference. June 06, 2025. (presenting author, oral presentation)

2024

Socal, MP. Panelist. Panel “The Inflation Reduction Act: Possible Impacts.” Presentation Title: Potential Impact of Drug Shortage Exemptions on Medicare Part D Inflation Rebates. American Society of Health Economists (ASHEcon) Annual Conference. San Diego, CA. June 19, 2024 (panelist in oral presentation)

Socal MP, Crane M, Anderson GF. Characteristics and Global Manufacturing of Generic Active Pharmaceutical Ingredients Linked to Drug Shortages in the United States. AcademyHealth Annual Research Meeting (ARM). Baltimore, MD. June 29-July 02, 2024. (Presenting author, poster)

Socal MP, Ballreich J, Wang Y, Crane M, Anderson GF. Potential Impact of Drug Shortage Exemptions on Medicare Part D Inflation Rebates. AcademyHealth Annual Research Meeting (ARM). Baltimore, MD. June 29-July 02, 2024. (Presenting author, poster)

Socal MP, Bai G, Anderson GF. Mail Order Pharmacy Use Grew in Medicare Part D 2014-2019, Offering Savings to Plans but Not to Beneficiaries. AcademyHealth Annual Research Meeting (ARM). Baltimore, MD. June 29-July 02, 2024. (Presenting author, poster)

Odouard I, Ballreich J, **Socal MP**. Medicaid Spending and Utilization of Gene and RNA Therapies for Rare Inherited Conditions. AcademyHealth Annual Research Meeting (ARM). Baltimore, MD. June 29-July 02, 2024. (poster)

Makell J, Ballreich J, Bai G, Anderson GF, **Socal MP**. Characteristics of Medicare Part D Beneficiaries with Alzheimer's Disease and Related Dementias (ADRD) Using Mail Order Pharmacies. AcademyHealth Annual Research Meeting (ARM). Baltimore, MD. June 29-July 02, 2024. (poster)

2023

Socal, MP. Panelist. Panel "Potential Implications of the Inflation Reduction Act on Drug Pricing, Access and Innovation: Informing Policy Makers." American Society of Health Economists (ASHEcon) Annual Conference. St. Louis, MO. June 2, 2023 (panelist in oral presentation)

2022

Socal, MP. Discussant. Paper "The Effects of Physician-Pharmacy Integration: Evidence from Oral Oncology Drugs" by Pragya Kakani, American Society of Health Economists (ASHEcon) Annual Conference. Austin, TX. June 29, 2022 (discussant in oral presentation)

Socal, MP, Proctor C, DiStefano M, Gibbons JB, Hsu J, Alexander CA, Anderson GF. "Manufacturer-Sponsored Drug Coupons Support Insulin Product Line Extensions." American Society of Health Economists (ASHEcon) Annual Conference. Austin, TX. June 28, 2022 (oral presentation)

Anderson K, DiStefano M, Liu A, Mattingly TJ, **Socal, MP**, Anderson GF. "Incorporating Added Therapeutic Benefit into Medicare Payment for Expensive Part B Drugs." American Society of Health Economists (ASHEcon) Annual Conference. Austin, TX. June 29, 2022 (oral presentation)

2021

Socal MP, Bai G, Long J, Anderson GF. Examining Branded Multisource Drugs Dispensed in the Medicare

Part D Program: Frequency of Branded Dispensing, Main Drivers, and Drug Characteristics. Academy Health National Health Policy Conference. (virtual conference) June 14-17, 2021. (poster)

Socal MP, Fraker JH. Manufacturer-Sponsored Programs for Access to Insulin in the COVID-19 Pandemic: How Well Are They Addressing New Patient Needs? Academy Health National Health Policy Conference. (virtual conference) June 14-17, 2021. (poster)

2020

Wormser B, **Socal MP**, Anderson GF. Coverage and Coinsurance for Guideline-Recommended Inhalers for Chronic Obstructive Pulmonary Disease in Medicare Part D Plans: a Cross-Sectional Study. Academy Health National Health Policy Conference. (Washington, DC) February 10-11, 2020. (poster)

2019

Socal MP, Yehia F, Bai G, Anderson GF. Therapeutic Class Coverage across Medicare Part D Drug Plans. Academy Health Research Meeting (ARM). (Washington, DC) June 03-06, 2019. (poster)

2018

Socal MP. "Formulary Options to Control Drug Pricing in Medicare Part D." Association for Public Policy Analysis & Management (APPAM) Fall research Conference. (Washington, DC) November 08-10, 2018 (oral presentation)

Socal MP, Patel P, Parasrampur S, Padula W, Anderson GF. "Examining the Target Population of Orphan Drugs: Are Drugs Exceeding the Intended Purposes of the Orphan Drug Act?" International Society of Pharmacoeconomics and Outcomes Research (ISPOR) (Baltimore, MD), 19-23 May 2018. (poster)

2017

Socal MP, Anderson G. "Individual and Community-Level Determinants of Polypharmacy among Brazilian Eldery." International Conference on Pharmacoepidemiology and Therapeutic Risk Management. (Montreal, Canada) Aug 26-30, 2017 (poster)

Alexander GC, Ballreich J, **Socal MP**, Karmarkar T, Trujillo A, Greene J, Sharfstein J, Anderson G. Reducing branded prescription drug prices: A review of policy options. International Conference on Pharmacoepidemiology and Therapeutic Risk Management. (Montreal, Canada) Aug 26-30, 2017 (poster)

2016

Socal MP, Anderson G. "Health Systems Determinants of Pharmaceutical Use among Brazilian Eldery". 4th Global Symposium on Health Systems Research. (Vancouver, Canada) Nov 14-18 2016 (poster)

2015

Socal MP, Trujillo A. "Chronic Illness and Late-Life Cognitive Decline". Research on Aging Showcase. Johns Hopkins Center on Aging and Health. (Baltimore, USA) May 15 2015 (poster)

2013

Socal MP. “Access and Utilization of Medicines: The Role of Health Technology Assessment from a Health Systems Perspective” Pharmacogenomics: From Molecules to Medicine. (Engelberg, Switzerland) July 09-13 2013 (oral presentation)

2012

Socal MP, Uribe MV, Rao KD. “Serving all and serving well? The Brazilian universal healthcare system and the challenge of the equitable allocation of healthcare resources”. 2nd Global Symposium on Health Systems Research. (Beijing, China) 31 Oct- 3 Nov 2012 (oral presentation)

Socal, MP. “Measuring The Gap Between Demand and Access to Medicines in The Brazilian Public Healthcare System”. 9th HTAi Health Technology Assessment International Annual Meeting 2012. HTA in Integrated Care for a Patient-Centered System. (Bilbao, Spain) (oral presentation)

Socal, MP. “Estimating Access to Health Services in Brazil Through a Market Frontier Analysis”. 9th HTAi Health Technology Assessment International Annual Meeting 2012. HTA in Integrated Care for a Patient-Centered System. (Bilbao, Spain) (poster)

2010

Picon PD, Gonzalez RS, Picon RV, Terra CD, Gertner A, Barbosa J, **Socal M**, Gonçalves J, Petryna A, Biehl J. “Court decisions and pharmaceutical policy in Brazil: Odds for the patients and for the state”. 7th HTAi - Health Technology Assessment International 2010 (Dublin, Ireland) (poster)

Picon PD, Gonzalez RS, Picon RV, Terra CD, Gertner A, Barbosa J, **Socal M**, Jardim PM, Petryna A, Biehl J. “The impact of plaintiff economic status on access to the legal system: Suing the state of medicines in Rio Grande do Sul, Brazil.” 7th HTAi - Health Technology Assessment International 2010 (Dublin, Ireland) (poster)

2009

An analysis of claims of irreparable harm in lawsuits for access to medicines in the state of Rio Grande do Sul, Brazil. 6th HTAi—Health Technology Assessment International 2009 (Singapore, Singapore) (poster)

Demanding Treatment Access through Regular Administrative Pathways and through Lawsuits in Brazil. 6th HTAi—Health Technology Assessment International 2009 (Singapore, Singapore) (poster)

Claiming the Right to Medicines in Brazil through Public and Private Doctors and Lawyers: A Pilot Study. 6th HTAi—Health Technology Assessment International 2009 (Singapore, Singapore) (poster)

2008

Peer-review of Medical Prescription of Pramipexole in the Public Health System in the South of Brazil: Evidence of an Irrational Use of Dopaminergic Agonists for Parkinson’s Disease. 5th HTAi—Health Technology Assessment International 2008 (Montréal, Canada) (poster)

Progressive Multifocal Leuko-Encephalopathy Induced by Monoclonal Antibodies—A Systematic Review of Literature: Preliminary Data. 5th HTAi—Health Technology Assessment International

2008 (Montréal, Canada) (poster)

2007

Implementation of Brazilian Guidelines for Botulinum Toxin: A Three-Year Follow-up of a Cost-reduction Strategy in the Public Health System of Rio Grande do Sul, Brazil. 4th HTAi - Health Technology Assessment International 2007 (Barcelona, Spain) (oral presentation)

2000

Cunha GB, Silva AR, Dieder AL, Wolf AL, Zambrano C, Silva FF, Pretto I, Oliveira J, Silva PF, Socal MP, Margis R, Weissheimer R, Rotta NT. Prevalence of Cocaine Prenatal Exposure Detected as Benzoilecgonine in Newborns VIII Congreso Anual de la Academia Iberoamericana de Neurología Pediátrica. (Spain) – abstract available in: Comunicaciones Revista de Neurologia, Espanha, v. 31, n. 3, p. 228-228, 2000.

Invited Lectures and Seminars

2022

University of Pennsylvania Perelman School of Medicine Immersive Advocacy Summer Course- “Expert Panel: Prescription Drug Affordability Board Legislation” Online Event – July 12, 2022

2018

Johns Hopkins University
Internal Medicine Residency Program, Urban Health Noon Conference Series
Lecture: Health Policy and Prescription Drug Pricing

2014

Johns Hopkins Bloomberg School of Public Health
Course: Brasilia Without Borders Executive Program in Public Leadership.
Main instructor: Carlos Castillo
Lecture: Between Policy and Justice: Access to Medicines in Brazil

ADDITIONAL INFORMATION

Personal statement of research and practice goals, objectives and impact

Affordable, sustainable, and qualified access to medicines is a challenge to countries worldwide, especially as populations get older and chronic diseases become more prevalent. The appropriate and sustainable use of medicines, an issue that cuts across all areas of medicine and medical care, is of great public health relevance globally. The United States faces the simultaneous challenge of ensuring affordable, safe, and sustainable access to life-saving pharmaceutical treatments while needing to cut back on wasteful drug spending through improved product selection and reducing the inappropriate use of polypharmacy, all while maintaining incentives for pharmaceutical innovation. In addition, the dependency on global supply chains for pharmaceutical supply has rendered the United States, as well as many other countries, vulnerable to drug shortages and supply disruptions. I am committed to

researching ways to safeguard sustainable, affordable, and appropriate access to pharmaceutical treatments for populations in the United States and around the world, while protecting the incentives to ensure that groundbreaking new therapies continue to be developed and become available to those who need them. I am also committed to translating my research findings into actionable policies through public engagement at the US federal and state levels, as well as the global level through my service to the World Health Organization. Finally, I am committed to training the next generation of public health scholars and leaders through teaching and mentoring and to expanding the diversity and inclusion in the representation in this field.

Keywords

Pharmaceutical policy, access to medicines, drug pricing, treatment affordability, global pharmaceutical supply chain, drug safety, wasteful spending, market competition, biosimilars, insulin, gene therapy, health systems, health insurance, Medicare and Medicaid programs, self-insured employers, pharmacy benefit managers, prescription drug benefit.