

PROFESSIONAL SUMMARY

Dr. Miller is a practicing hospitalist at the Johns Hopkins Hospital, an Assistant Professor of Medicine at the Johns Hopkins University School of Medicine, and a Nonresident Fellow at the American Enterprise Institute. He initially trained in Preventive Medicine and Public Health at the Johns Hopkins University in conjunction with extensive regulatory experience at CMS, FTC, FDA, and FCC, followed by Internal Medicine training at Georgetown University Hospital. Currently, Dr. Miller serves as a consultant on health insurance to the FTC's Bureau of Consumer Protection, a Commissioner on the Medicare Payment Advisory Commissioner, and teaches an MBA course on health insurance design at a top 20 business school. He has technical expertise in merger review, insurance design, and pharmaceutical product review in addition to serving as a manager with experience as both a leader and member of teams in clinical, regulatory, and business environments. He is licensed to practice medicine in DC and Maryland, is board-certified in Public Health & Preventive Medicine and Internal Medicine, and is a fellow of the American College of Preventive Medicine.

EDUCATION

2015	M.P.H.	Bloomberg School of Public Health, Johns Hopkins University, Baltimore, MD
2013	M.B.A.	Kenan-Flagler Business School, University of North Carolina at Chapel Hill, Chapel Hill, NC
2011	M.D.	The Feinberg School of Medicine, Northwestern University, Chicago, IL
2007	B.S.	University of Washington, Seattle, WA (Biochemistry with College Honors)
2007	B.S.	University of Washington, Seattle, WA (Chemistry with College Honors), Research thesis in
		Neuroendocrinology

POSTGRADUATE TRAINING AND FELLOWSHIP APPOINTMENTS

2017 - 2020	Internal Medicine Residency, MedStar Georgetown University Hospital
2014 - 2016	General Preventive Medicine Resident, Bloomberg School of Public Health, The Johns Hopkins
	University
2014 - 2016	Clinical and Research Fellow, School of Medicine, The Johns Hopkins University
2013 - 2014	Transitional Year Residency, The Bassett Healthcare Network

OTHER EDUCATION

2016 - 2017	Clinical Reviewer Training, Center for Drug Evaluation & Research, Food & Drug
	Administration, Silver Spring, MD

MEDICAL LICENSURE

2020 – Present	Board Certified, Internal Medicine #421428, American Board of Internal Medicine
2020 - Present	Controlled Substance Registration, State of Maryland
2020 - Present	Practitioner License, Federal Drug Enforcement Administration
2019 - Present	Medicine and Surgery, License #D0088678, State of Maryland
2017 - Present	Board Certified, Public Health and General Preventive Medicine, #053914, American Board of
	Preventive Medicine
2015 - Present	Medicine and Surgery, License #MD042776, Washington, D.C.
2015 - 2020	Controlled Substance Registration, Washington, D.C.

PROFESSIONAL EXPERIENCE

05/31/2023 – present Commissioner, Medicare Payment Advisory Commission

06/01/2022 – present Nonresident Fellow, American Enterprise Institute

09/08/2020 - Present Assistant Professor of Medicine, Division Hospital Medicine, Department of Medicine, The Johns Hopkins University School of Medicine

- Tenure-track faculty member in the Division of Hospital Medicine, with clinical service 15 weeks/year as a nocturnist (105 shifts/year)
- Health policy research and analysis focused on payment policy (Medicare Advantage, Veterans Health Affairs), FDA regulation of devices and tobacco products; and healthcare competition policy
- Founded and manage fifteen person, multidisciplinary health policy research group including partners from multiple universities, graduate schools, and federal regulatory agencies

09/08/2020 - Present Assistant Professor, by Courtesy, Johns Hopkins Carey Business School

- courtesy appointment
- Appointed as core faculty to the "Hopkins Business of Health Initiative" for a 3-year term
- Teach BU.883.705.81 "Health Care Financing" to 21 master's students. Nominated for teaching award despite being a courtesy faculty member

10/03/16 - Present Adjunct Associate Professor, The University of North Carolina at Chapel Hill Kenan-Flagler Business School

- Teach 893J "Regulation & Principles of Health Insurance," an 18 lecture course in the MBA program. This is the only course specifically focused on health insurance at a top 20 MBA program
- Organized and designed UNC's first course on health insurance, featuring former members of the Medicare Payment Advisory Commission (MedPAC), the Medicaid and CHIP Payment and Access Commission (MACPAC), the Medicare Evidence Development & Coverage Advisory Committee (MEDCAC), and regional health plans
- Student evaluations rated class in first year as 4.11 out of 5.00 overall
- Assist in design of healthcare executive education curriculum for mid-career executives and board directors
- Nominated for promotion by Director of the Center for the Business of Health, approved by Dean, and promoted to Adjunct Associate Professor in October 2019

06/15/17 – 06/30/20 Resident, Internal Medicine, MedStar Georgetown University Hospital

- Categorical, 3-year Internal Medicine residency sponsored by Georgetown University Hospital with rotations at Georgetown University Hospital, Inova Fairfax Hospital, Virginia Hospital Center, and the DC Veteran Affairs Medical Center
- Primary care continuity clinic at Georgetown University Hospital with a personal panel of >200 patients
- Directly responsible for clinical care for up to 20 acutely or critically patients on inpatient services (ICU, General Medical Wards). Managed residents, medical students, inpatient nurses, and technical staff to ensure delivery of customer-centric, efficient care for quaternary care patients, with multiple patients and families sending positive post-discharge feedback to nursing management
- Direct care and first call for up to 70 patients on overnight inpatient medicine services on four floors
- Nominated four separate times by nursing staff on four different floors for a "Spirit" Award, exemplifying the Georgetown spirit of *cura personalis*, or care for the entire person.
- Designed and executed medical documentation and insurance podcast curriculum entitled "The Business of Healthcare by Micah and Miller" for 90 Internal Medicine residents. Launched in iTunes store with over 3,500 plays and a 5-star rating
- Invited by program leadership to chair resident quality group. Re-launched as the Clinical Operations Performance (COP) Committee, with a focus on clinical operations. Selected a fellow resident to serve as Chairman and mentored him while serving as Vice-Chair. Jointly

recruited a new seven-member committee, identifying new projects correlated with hospital administration priorities. Managed committee members in launching and operationalizing process improvement projects, while also identifying and eliminating lagging projects. Liaised with hospital administration

- Hospital management elective with CEO of MedStar Georgetown University Hospital. Through
 this, identified the need for, scoped, and led a project with the MedStar CTO to select a new inhospital patient infotainment system to be deployed at Georgetown, and later throughout
 MedStar
- Hospital management elective with CMO of Virginia Hospital Center serving as an expert
 consultant in managed care contracting, utilization review, and strategist. Reviewed 35 best
 practices and identified \$0.5 million in annual savings from changing electronic order
 restrictions. Analyzed profit & loss for procedural service line, recommending changes for
 future managed care rate negotiations. Created ambulatory strategy and financial model for
 executive team for Northern Virginia

7/10/16 – 06/16/17 Medical Officer, Division of Psychiatry Products (DPP), Office of New Drugs (OND), Center for Drug Evaluation & Research (CDER), Food & Drug Administration (FDA)

- Completed in-depth re-review of 3 product lines for safety and efficacy. Review covered 10 New Drug Applications (NDAs) and over 125 published papers in 6 months
- Completed in-depth pre-market safety priority review of valbenazine (INGREZZA), a first-inclass new molecular entity (NME) NDA granted breakthrough status and priority review for the indication of tardive dyskinesia taking into account the statistical and analytical complexity of the trial design. Completed 8 month safety review in 2 months, resulting in a first in class approval and a subsequent publication in *The New England Journal of Medicine*
- Conducted post-market surveillance for existing psychiatry products (pharmacovigilance), drafted multiple reviews in response to requests for labeling and distribution changes from the Office of Surveillance and Epidemiology (OSE)
- In conjunction with a fellow clinical reviewer, identified potential harms to public health from a poorly designed, widely circulated epidemiologic study on SSRIs. Proposed, drafted, obtained clearance for, and submitted a letter to *JAMA Psychiatry* promoting the Division's view on the study. Letter was accepted with no corrections in three business days.
- Identified novel regulatory opportunity in human factors in generic products resulting in medication confusion amongst psychiatric patients
- Represented Psychiatry Safety Team in design of a standard labeling supplement review process
 and subsequently trained 10 physician-reviewers in the new process. Served as the first reviewer
 to execute the new process, resulting in the Division's first "refuse to file" regulatory decision
 of a labeling supplement
- Recruited, designed a rotation for, and supervised a medical student on rotation in the Division.
 Supervised student's review, extraction, and synthesis of pre-market clinical trials and creation of a 50,000 subject database
- Pharmaceutical Product Labeling
- Concurrently completed CDER's Clinical Reviewer Training, which consists of over 40 lectures in courses on pharmacology, clinical trial design, toxicology, drug law, clinical informatics, & manufacturing practices

7/1/14 - 6/30/16 Clinical & Research Fellow, School of Medicine, Johns Hopkins University

- Combination of Primary Care in a Patient-Centered Medical Home and Clinical Preventive Medicine (20% practice)
- Research and operational planning for opioid management clinic
- Longitudinal outpatient clinical improvement projects focused on cost-conscious care (e.g. imaging utilization), best practice alerts, and performance metric design for Johns Hopkins Community Physicians, the 40-site primary care chain of Johns Hopkins

7/1/14 – 6/30/16 General Preventive Medicine Resident, Bloomberg School of Public Health, Johns Hopkins University

BRIAN J. MILLER, M.D., M.B.A., M.P.H.

Population Health and Regulatory Medicine training program consisting of a fully-funded MPH and rotations in population health and regulatory policy at federal agencies. Concurrent practice of clinical preventive medicine through appointment as a Clinical & Research Fellow at the School of Medicine. Rotations:

- Food & Drug Administration (FDA), Office of Public Health Strategy & Analysis
- Federal Communications Commission (FCC), Connect2Health Task Force / Office of General Counsel
- Federal Trade Commission (FTC), Office of Policy Planning
- Johns Hopkins HealthCare (JHHC), Managed Care Company
- Centers for Medicare & Medicaid Services (CMS), Innovation Center (Venture Group of CMS)
- 4/1 6/30 Policy Fellow, Office of Public Health Strategy & Analysis, Office of Policy, Planning, Legislation, & Analysis, Food & Drug Administration
 - Started database of 28 drugs comparing information in FDA medical reviews, published literature, and clinicaltrials.gov to demonstrate information asymmetries in pharmaceutical entity clinical trial reporting
 - Inter-agency coordination with FTC for pharmaceutical product merger review
 - Design of FDA physician reviewer fellowship
- 1/1 3/31/16 Managed Care Fellow, Johns Hopkins HealthCare
 - Wrote first in nation medical policy on Joint Curative & Hospice Care for Legal Minors, estimated to save >\$2 million annually
 - Designed a home visiting nurse practitioner service for the disabled population, with a projected break-even point in the first year
 - Recommended to executive leadership new corporate structure for the Hopkins family of healthcare companies to promote coordinated entry into new geographic and product markets
- 10/1 12/31/15 Senior Policy Fellow for Health IT, Connect2Health Task Force / Office of General Counsel, Federal Communications Commission
 - Special Advisor to Deputy General Counsel
 - Expert third-party review of \$400 million Healthcare Connect Fund for the Office of the Chairman
 - Researched and assisted the Office of Engineering and Technology on device interoperability in Connected Health (Internet of Things in Healthcare) and facilitating private standard setting
 - Represented the FCC on external committees
- 7/1 9/30/2015 Special Advisor, Office of Policy Planning, Federal Trade Commission
 - First licensed physician at the Federal Trade Commission. Served as in-house expert on telehealth issues, integrated care delivery, vertical arrangements in healthcare services and insurances, and FDA regulatory reviews of pharmaceutical products
 - Conducted literature review of scope on practice for Certified Nurse Midwives
 - Reviewed FDA draft guidance on biosimilars nomenclature and liaised with European health and pharmaceutical regulatory authorities
 - Served as primary point of contact and liaison for key officials at multiple medical professional trade associations and other federal regulatory agencies, such as CMS, the FDA, and the FCC, to build cross-agency relationships to share information and undertake joint efforts
 - In-house subject matter expert for Bureau of Competition; directly assisted with multiple active enforcement cases in hospitals, health systems, and pharmaceutical products mergers (FTC v. Cabell Huntington / St. Mary's, FTC v. Advocate Health Care Network, FTC v. Mallinckrodt Ard Inc. formerly Questcor Pharmaceuticals, and other enforcement actions). Helped build successful case in FTC v. Advocate Health Care Network, resulting in a successful court challenge to this \$7 billion (45,000 employee) health system merger
 - Prepared staff attorneys for and participated in investigational hearings for hospital and health systems mergers with key executives (CEOs, CMOs, COOs, Strategy & Business Development Executives)

- Drafted questions for and participated in investigational hearings for hospitals and health systems merger cases
- Assisted with third-party declarations for health plans, employers, and health systems for hospital and health systems merger cases
- Identified, recruited, and assisted with management of healthcare experts for case teams
- Coordinated case strategy with staff attorneys for hospital and health system mergers
- Drafted sections of Bureau of Competition internal staff memo to Bureau Director recommending for or against FTC action in active cases
- Created system to rapidly define product markets for healthcare service delivery markets during 30-day Hart-Scott-Rodino review of reportable transactions
- Created curriculum for and taught in-house session on Special Topics in Healthcare for over 30 staff attorneys in the Bureau of Competition
- Conducted third-party expert review of special issues in vertical and horizontal PBM mergers
- Conducted third-party review of pharmaceutical products merger, addressing systemic market effects from the merger

11/1/2014 – 5/13/2015 Accountable Care Organization (ACO) Investment Fellow, Center for Medicare & Medicaid Innovation, Center for Medicare & Medicaid Services

- Co-managed the ACO Investment Model (AIM) and invested \$114M in ACOs focused on rural and underserved areas
- Designed application reviewer training, wrote reviewer guidebook, and drafted evaluation criteria used to award \$114 million
- Designed and assisted with management of first application round review and award process
- Designed the CMS Innovation Center site visit process for ACOs, which was subsequently used to evaluate ACOs in multiple models across the Innovation Center
- Designed a corrective action site audit for an ACO deemed not in compliance
- Researched, designed, and drafted plan for first CMS Innovation federal advisory committee
- Researched, designed, and drafted plan for long-term proposal for CMS Physician-Innovator Workforce Planning, including a CMS residency program

2013 – 2014 Transitional Year Resident, Bassett Healthcare Network.

Bassett Healthcare is the rural teaching hospital for the Columbia University College of Physicians & Surgeons

- Directly responsible for clinical care for up to 20 acutely or critically patients on inpatient services (ER, ICU, General Medical & Surgical Wards). Managed inpatient nurses and technical staff
- Direct care and first call for up to 72 patients on overnight inpatient services
- Performed independent, outpatient care with attending oversight in specialty outpatient clinics (Rheumatology, General Medicine, Allergy, Radiology, Dermatology, Patient Safety and Medical Quality)
- Supervised over a total of 10 medical students from Columbia University, Columbia-Bassett, and Albany Medical College
- Selected to join health system trustees as only resident to represent the healthcare network: met with six state senators and representatives in Albany, resulting in successfully lobbying for \$2.5 million in funding for rural physician recruitment

2010 – 2012 Founder and CEO, Better Health Clinic

Wrote business plan for retail primary care clinic chain, recruited team and advisory board, and received seed round commitments from angel investors

 Recruited an eight person advisory board composed of healthcare leaders such as a former Assistant Surgeon General, former Chief Innovation Officer of Humana, and Vice President of Public Health Policy at Wellpoint, who assisted with fundraising

- Recruited a team of seven senior-level executives including a former multi-country President at Coca Cola and a former retail clinic chain Chief Operating Officer who assisted with marketing strategy
- Designed standardized, scalable, primary care clinic model, wrote business plan, and selected, planned, and designed first site. Pitched to over 100 venture funds, family offices, and private investors, and received six-figure seed round commitments from four angel investors

2010 – 2011 Head, Health & Government, Neural Technologies, Inc.

Established new line of business in Medicare and Medicaid fraud prevention for state and federal payers at this international venture capital-backed information technology company, reporting to the CEO of the parent venture investor, Argo Global Capital, and the Board of Directors at Neural Technologies

- Compiled and cold-called sales leads for 50 states, Puerto Rico, and the federal government and
 as a new entrant in a space with over ten competitors, secured meetings with four customers
 within six months, including two of the five largest Medicaid programs
- Set up and managed internal government bids team, producing winning bids for a competitive demonstration with a top three state Medicaid agency, a \$1.05 million state Medicaid fraud detection contract, and a Federal General Services Award

2010 Consultant, Innovation to Commercialization

Evaluated commercialization potential of a university-developed novel therapeutic for rheumatoid arthritis utilizing a nanoparticle delivery system as part of a three-month consulting engagement

• Researched and wrote review of therapeutic competitors, intellectual property ownership, and financial model in the rheumatoid arthritis space, and subsequently presented these recommendations to Northwestern University's Translational Research Group, that agreed with continuation of further animal testing prior to human safety trials

2008 Summer Fellow, Group Health Physicians

Collaborated with Associate Medical Director for Strategy and Business Development on various projects at this multi-specialty, 1400 physician integrated group practice

- Assessed current physician recruiting, retention, and retirement practice and designed new recruitment strategy, 10-year retention package, and exit process, separately targeted to specialty and primary care physicians and obtained full agreement on recommendations
- Re-evaluated a proposal to control inpatient hospitalization costs by developing a center for finding and placing patients in beds in local hospitals in the most cost-effective manner. Recommendation resulted in termination of project due to revised projections of limited cost savings, allowing for reassignment of team to other projects
- Performed a third-party review for executive leadership of the five year strategic plan for the Group Health Cooperative insurance arm with over 500,000 covered lives and recommended redevelopment of closed hospital into senior living complex

2004 - 2007

Research Assistant, Department of Endocrinology, University of Washington School of Medicine Worked in the lab of Dr. Michael W. Schwartz, M.D., designed and conducted experiments in Neuroendocrinology, with a focus on bodyweight and blood glucose regulation

- Designed and conducted animal experiments with accompanying benchtop research investigating the relationship between inflammatory signaling and diabetes and the neuroendocrine control of bodyweight regulation and energy homeostasis.
- Familiar with ELISA, BCA protein assay, 3rd intracerebroventricular cannulations in rats and mice, tissue extraction, and experimental design

COMMITTEES, COMMISSIONS, & BOARDS

2023 – Present Commissioner, Medicare Payment Advisory Commission

2023 – Present Member, Strategy Committee, & Member, Financial Sustainability Subcommittee, American College of Preventive Medicine (ACPM)

2023 - Present	Member, Tobacco and Nicotine Products Committee, Food and Drug Law Institute
2023 - Present	Member, National Advisory Council, The Advancing a Healthier Wisconsin Endowment
	• Guide executive director of this \$530 million health philanthropy
2022 - Present	Member, Policy Advisory Board, Health Reformers Academy
2020 - Present	Member, Legislation Committee, Section of Antitrust Law, American Bar Association
2020 – Present	Member & Secretary, Industrial Advisory Board, Department of Biomedical Engineering, UNC
	Chapel Hill and NC State University
	• Recruited as a healthcare policy expert and appointed to a three-year term (2020 – 2023)
	• Appointed Secretary in 2023
2016 - Present	Member, Federal Civil Enforcement Committee, Section of Antitrust Law,
	American Bar Association
2014 – Present	Member, Healthcare & Pharmaceuticals Committee, Section of Antitrust Law,
	American Bar Association
2019 – 2023	Voting Member, Medicare Evidence Development & Coverage Advisory Committee, Centers for Medicare & Medicaid Services
	• Youngest member of committee comprised of scientific, clinical, and administrative experts
	who advise CMS on coverage decisions for challenging assessments of medical items and
	services that are covered or eligible to be covered for the Medicare population
2018 – 2022	Member, Healthcare Conference Planning Committee, UNC Chapel Hill Kenan Flagler School of Business
2020 - 2022	Member, Dean's Advisory Council, Keck Graduate Institute School of Medicine
	• Recruited as a healthcare policy expert and appointed to a two-year term (2020 – 2022)
2016 - 2019	Member, CPT Advisory Committee, American Medical Association
	 Appointed to a three-year term (2016 – 2019) as technical advisor for clinical preventive services
	• Representing 5,000 Public Health Physicians and the American College of Preventive Medicine
2018 – 2019	Vice Chairman, Clinical Operations Performance Committee (COP), Department of Medicine, Medstar Georgetown University Hospital
	At request of program leadership, helped plan, charter, and recruit a new seven member
	resident committee focused on planning and executing projects to improve clinical operations
2016 - 2018	Member, Workgroup, Physician Wellness and Burnout, Federation of State Medical Boards
	Young physician member
	• Spearheaded campaign to re-write initial and renewal medical licensure questionnaire to avoid
	discrimination against physicians with psychiatric disease and remain ADA compliance.
	Recommendation adopted and became part of FSMB report on Physician Wellness and Burnout,
	as a formal recommendation to state medical boards
2016 - 2017	Member, Strategy & Board Development Committee, American College of Preventive Medicine (ACPM)
	Nominating committee for the ACPM Board of Regents
	• Assisted with recruiting board candidates in order to create a more diverse, active, and engaged
	Board of Regents representing government, industry, and academia
	• Spearheaded successful campaign to redesign the Board nomination and election process
	• Identified the need for a new executive director for the trade association, and began the campaign the search and identify for a replacement
2013 - 2016	Member, Business Development Committee, American College of Preventive Medicine (ACPM)
	(Chair from March 2014 – June 2016).
	Appointed Chair by ACPM President Halley Faust and reappointed by subsequent President.
	Committee advises ACPM Board of Regents and President on policy, business development,
	and branding. As Chair, recruited new committee and wrote business plans for multiple lines of
	for-profit business including a lifestyle medicine CME curriculum and a weight management
	certification program. The certification program subsequently signed two corporate customers
	within one month of launching while the lifestyle medicine CME curriculum achieved \$400,000
	in annual revenue in its first year
	• Assisted with hiring of first ACPM Rusiness Innovation Officer

• Assisted with hiring of first ACPM Business Innovation Officer

	• Led committee in review of ACPM Strategic Plan and first-ever communications/branding plan, resulting in the hiring of the first Director of Communications for the organization
2014 - 2015	Member, Care Transitions Committee, Bassett Healthcare Network
	• Appointed by Surgery Residency Director; designed new hand off template for inpatient services, decreasing errors during patient handoffs
2008 - 2009	President, Business & Medicine Club, Feinberg School of Medicine, Northwestern University
2006 - 2007	Board Member, Hunger Intervention Program
2005 - 2006	Secretary & Treasurer, Phi Lambda Upsilon

CONSULTING

04/03/2018 - Present	Consultant on health insurance,	Bureau of Consumer	Protection,	Federal Trade
	Commission			

• Consulting expert witness on health insurance design for government in FTC v. Simple Health Plans, LLC. Drafted two expert witness reports submitted to court to support key elements of government case against a company that defrauded American consumers of over \$195 million via misleading sales and advertising of limited benefit indemnity association health plan products.

08/04/2020 - 08/04/2021	Consultant on health economics, Radyus Research
07/07/2020 - 9/7/20	Consultant on health policy, The Heritage Foundation
07/13/2020	Consultant on health economics. Oxidien Pharmaceuticals

AWARDS & HONORS

Fellow, American College of Preventive Medicine
SPIRIT Award MedStar Georgetown University Hospital
(nominated by day shift nursing team on unit 2North)
SPIRIT Award MedStar Georgetown University Hospital
(nominated by night shift nursing team on unit C61)
SPIRIT Award MedStar Georgetown University Hospital
(nominated by night shift nursing team on unit 4E)
SPIRIT Award MedStar Georgetown University Hospital
(nominated by night shift nursing team on unit C61)
Full tuition with stipend MPH fellowship, Johns Hopkins University (\$82,000)
GlaxoSmithKline Preventive Medicine Residency Scholarship (\$2,809)
Partial tuition MBA fellowship (\$30,000), University of North Carolina at Chapel Hill
American Society of Nephrology Travel Grant for Medical Students & Resident (\$800)
University of Washington Honors Program, College Honors
University of Washington Honors Program, Departmental Honors
Phi Lambda Upsilon

INVITED SPEAKING EVENTS

2023	"Science Policy After the COVID-19 Crisis" American Enterprise Institute (June 30)
2023	"Hospital Consolidation: Problems and Policy Solutions." Grand Rounds at the University of California
	San Francisco Philip R. Lee Institute for Health Policy Studies (May 17)
2023	"Saving Medicare: Now and for the Future" The Heritage Foundation (May 9)
2023	"The Future of Medical Device Regulation: The Final Frontier" American Enterprise Institute (April 11)
2023	"Choice and Competition in Care Delivery." (Physician Advocacy Institute) (March 13)
2023	"Choice and Competition in Care Delivery." (Digestive Health Physicians Association) (March 11)
2022	"Competitive Bidding in Medicare Advantage." Johns Hopkins University (February 16)
2022	"Health Care Inflation." The ERISA Industry Committee (December 8)
2022	"Overview of Employer-Sponsored Insurance." Health Reformers Academy (December 7)
2022	"Reforming the Centers for Disease Control and Prevention" The American Enterprise Institute (December
	5)

- 2022 "Technology Assessment and Coverage Analysis." University of North Carolina at Chapel Hill Joint Biomedical Engineering Department (November 10)
- 2022 "Corporate Control and Consolidation in Health Care" Maryland Neurosurgical Society Fall Meeting (November 9)
- 2022 "Information as Medicine" Conference organizer and panelist, University of Arizona (November 4)
- 2022 "Exploring the Market Competition Ecosystem: Lessons Learned and Next Steps" Alliance for Health Policy (October 19)
- 2022 George Washington University Residency Fellowship in Health Policy (October 4)
- 2022 "The Policy Future of Physician-Led Care." Physician-Led Healthcare for America. (September 19)
- 2022 "Hospital Consolidation: More Money, More Problems." Division of Hospital Medicine Grand Rounds, Johns Hopkins University School of Medicine (September 14)
- 2022 "A Means to an ENDS to Accelerate Regulatory Decision-making" Food and Drug Law Institute (August 25)
- 2022 "What's New with the Social Security and Medicare Trust Funds." Center for a Responsible Federal Budget (June 6)
- 2022 "Hospital Consolidation: More Money, More Problems." Preventive Medicine Residency, Department of Medicine, Rutgers New Jersey Medical School (May 20)
- 2022 "Choice and Competition: A Policy Portfolio." American Enterprise Institute (April 13)
- 2022 "The Need for Tobacco Regulatory Innovation." Office of the State of Iowa Attorney General (March 15)
- 2022 Panelist, "The Medicare Hospital Insurance Trust Fund: A Ticking Timebomb to 2026" Health Markets and Policy Network (March 7)
- 2022 "Section on Health Financing at INQUIRY: Vision and Opportunities." The Mercatus Center (January 27)
- 2022 "The Iron Triangle in Healthcare" Health Policy Leaders Program (January 19)
- 2022 "The Corporate Evolution of Department Chairmen." California Association of Neurological Surgeons Annual Meeting (January 15)
- 2021 "The Future of Medicare Advantage." Hopkins Business of Health Initiative (December 2)
- 2021 "The Ban on Physician Hospital Ownership: What the Hospital Industry Doesn't Want You to Know." The Mercatus Center (November 5)
- 2021 Panelist. "Health Outcomes in Cerebrovascular Disease Treatment Studies." Centers for Medicare & Medicaid Services MEDCAC meeting (September 21)
- 2021 "Hospital Consolidation: A Vexing Health Policy Challenge." Urban Health Residency, Johns Hopkins University (March 23)
- 2021 "Hospital Consolidation: A Vexing Health Policy Challenge." General Internal Medicine Fellowships, Johns Hopkins University (February 22)
- 2020 "Public Health Physicians in Health Policy." General Preventive Medicine Residency, Johns Hopkins University (December 18)
- 2020 "Technology Assessment and Coverage Analysis for Medical Devices" UNC-NC State Biomedical Engineering Department (November 17)
- 2020 "What's Next For Medicare?" Medicare Advantage Research Workgroup, Johns Hopkins University (October 8)
- Guest lecturer, "Private Insurance." Graduate course in Health Economics and U.S. Health Policy, Gerald R. Ford School of Public Policy, University of Michigan (September 20)
- 2018 Panel Moderator, "Public-Private Competition: Funding Veterans Healthcare" UNC Annual Healthcare Conference (November 9)
- 2018 Seminar "Oh The Places You Will Go: A Regulatory Innovation Story!" American Medical Association Federal and Congressional Affairs Groups (March 28)
- 2018 Seminar "Oh The Places You Will Go: A Regulatory Innovation Story!" National Center for Human Factors in Healthcare Inquires, MedStar Institute for Innovation (March 20)
- 2018 Seminar "Board Certification: A Dose of Competition" in "Public Health and Health Policy" graduate course at the Department of Medicine, Georgetown University School of Medicine (February 5)
- 2017 Seminar "Tardive Dyskinesia" Department of Medicine, Georgetown University School of Medicine (December 12)
- 2017 Seminar "The U.S. Food & Drug Administration: A Year In the Office of New Drugs" Department of Psychiatry, Georgetown University School of Medicine (October 5)
- 2016 Seminar "Research in Policy & Practice," Center for Evidence and Practice Improvement, Agency for Healthcare Research and Quality (May 27)

- 2016 Seminar "Competition & Healthcare Finance," Office of Health Policy, Office of the Assistant Secretary for Planning and Evaluation (March 29)
- 2014 Panelist, Healthcare Finance, Annual Business of Healthcare Conference. UNC Kenan-Flagler School of Business

CONGRESSIONAL TESTIMONY

- 2023 (Invited) "Innovation Saves Lives: Evaluating Medicare Coverage Pathways for Innovative Drugs, Medical Devices, and Technology." U.S. House of Representatives Energy and Commerce Committee, Subcommittee on Health (July 18)
- 2022 "ARPA-H: The Next Frontier of Biomedical Research." U.S. House of Representatives Energy and Commerce Committee, Subcommittee on Health (February 8)
- 2021 "Antitrust Applied: Hospital Consolidation Concerns and Solutions." Senate Committee on the Judiciary, Subcommittee on Competition Policy, Antitrust, and Consumer Rights (May 19)

PUBLICATIONS

Peer Reviewed

- 2023 Miller BJ, Grabert L, Hargan ED. "Medicare Modernization: The Urgent Need For Fiscal Solvency." *JAMA Health Forum* 2023;4(6):e231571. doi:10.1001/jamahealthforum.2023.1571
- Gowda N, Patel NM, Ellenbogen MI, Miller BJ. "The Local Market of Major Teaching Hospitals." Southern Medical Journal. 2023 May;116(5):410-414
- 2022 Richardville K, Staats B, Miller BJ. "The Reality Distortion Field in Care Delivery: Overcoming Obstacles to Improve Healthcare Delivery." *Management and Business Review* Spring 2022;2(2):70-76.
- 2022 Chakravarthy R, Wilensky GR, Miller BJ. "Implementing Competitive Bidding in the Medicare Program: An Expressway to Solvency." *INQUIRY: The Journal of Health Care Organization, Provision, and Financing*. 2022;59. doi:10.1177/00469580221141776
- Patel NM, Ehrenfeld JM, Miller BJ. "What Should "Shopping" Look Like in Actual Practice?" *AMA J Ethics*. 2022;24(11):E1099-1106. doi: 10.1001/amajethics.2022.1099
- 2022 Miller BJ, Zima SC, Wilensky GR. "Customized Care for Complex Conditions in Medicare Advantage." *AEI Economic Perspectives* August 25, 2022.
- 2022 Miller BJ, Parente S, Wilensky GR. "Comparing Spending Across Medicare Programs" *Am J Manag Care*. 2022;28(12):294-296.
- Stone M, Yaseen Zimri, Miller BJ, Richardville K, Kalaria S, Kirsch Irving. "Response to acute monotherapy for major depressive disorder in randomized, placebo controlled trials submitted to the US Food and Drug Administration: individual participant data analysis." *The BMJ* 2022;378:e067606. (corresponding author)
- Yagi B, Lushniak BD, Miller BJ. "Why We Need User Fees for Electronic Nicotine Delivery System User Products." *JAMA Health Forum* April 15, 2022.
- Gowda V, Schulzrinne H, Miller BJ. "The Case for Medical Device Interoperability." *JAMA Health Forum* January 14, 2022.
- 2021 Cho T, Meshnick AB, Ehrenfeld JM, Miller BJ. "Cost and Quality of Care in Physician-Owned Hospitals: A Systematic Review." *Mercatus Center at George Mason University* Arlington, Virginia. September 7, 2021.
- 2021 Miller BJ, Meshnick AB, Lushniak B. "Electronic Nicotine Delivery Systems: The Need for Continued Regulatory Innovation." *Tobacco Control* Special Communication 2021.
- Miller BJ, Deutschendorf A, Brotman DJ. "The Hospital Readmission Reduction Program: Inconvenient Observations." *Journal of Hospital Medicine* 2021;17(6).
- 2021 Miller BJ, Ehrenfeld JM, Wu AW. "Competition in Care Delivery: Stark Choices." *JAMA Health Forum* February 22, 2021.
- 2021 Miller BJ, Gowda V, Segal J. "Time to Revisit a Voluntary FDA Comparative Effectiveness Pathway." Therapeutic Innovation & Regulatory Science 2021155(4):643-645.
- 2020 Miller BJ, Siddiqui Z, Deutschendorf A. "Hospital Star Ratings and Socio-Demographics: A Scoring System in Need of Revision." *Journal of Hospital Medicine* 2020;15(10):637-638.
- Wilensky GR, Miller BJ. "Time to Consider a New Look at Physician-Owned Hospitals to Increase Competition in Health Care?" *JAMA* 2020;323(19):1884-1885.

- Wilensky GR, Miller BJ. "The Public Can Trust the FDA's Vaccine Review Process." *JAMA Health Forum* October 15, 2020.
- 2020 Miller BJ, Zima S. "Exceptions for Exceptional Cures: Modernizing the Medicaid Drug Rebate Program." JAMA Health Forum August 31, 2020.
- Miller BJ, Mandelberg MC, Griffith NC, Ehrenfeld JM. "Price Transparency: Empowering Patient Choice and Promoting Provider Competition." *Journal of Medical Systems* 2020;44(80) [published online first]
- 2020 Press VG, Miller BJ. "The Hospital Readmissions Reduction Program and COPD: More Answers, More Questions." *Journal of Hospital Medicine* 202;15(4):252-253.
- 2019 Miller BJ, Wilensky GR. "New Drugs, New Ideas: Payment Policy Innovations for High-Cost Pharmaceuticals." *Milbank Quarterly* October 1, 2019.
- 2020 Patel N, Slota JM, Miller BJ. "The Continued Conundrum of Discharge After a Medicare Observation Stay." *JAMA Health Forum* May 26, 2020.
- 2019 Miller BJ, Slota J, Ehrenfeld JM. "Redefining the Physician's Role in Cost Conscious Care." *JAMA* 2019;322(8):721-722.
- 2017 Davis MC, Miller BJ, Kalsi J, Birkner T, Mathis MV. "Efficient Trial Design FDA Approval of Valbenazine for Tardive Dyskinesia." *The New England Journal of Medicine* 2017;376:2503-2506.
- 2017 Miller BJ, Wolfe G. "Managed Care Marketplaces: Growing Drivers of Payer-Provider Vertical Integration" *Antitrust Source* (now *Antitrust Magazine*) April 2017;16(5):1-11.
- Miller BJ, Moore DW, Schmidt CW. "Telemedicine and the Sharing Economy: The 'Uber' for Healthcare." *American Journal of Managed Care* 2016;22(12):e420-422.
- 2015 Miller BJ. "Editorial Outlines Concerns Regarding Harms to Competition in Recent Flurry of Hospital Mergers." *ABA Healthcare and Pharmaceuticals Recent Developments*. (February 2015)
- Miller BJ, Harmon RG. "In What Ways Can (and Should) the Medical Home Work to Promote the Health of the General Community?" *Medical Home News* 2011;3(5):2.

Policy Briefs (editor-reviewed)

- 2023 Cho T, Dumas P, Miller BJ. "A Priority Review Voucher Program to Fuel Generic Drug Development." *Health Affairs Forefront* July 6, 2023.
- Patel N, Ranasinghe P, Phan P, Cullen T, Lushniak BD. Miller BJ. "Public Health is Local." *Health Affairs Forefront* December 1, 2022.
- 2022 Miller BJ, Ehrenfeld JM. "Policy Solutions for Hospital Consolidation." AEI Policy Brief November 2022.
- Miller BJ, Gowda N, Ranasinghe P, Phan P, Cullen T, Lushniak BD. "A Vision for Supporting and Reforming the CDC." *Health Affairs Forefront* June 10, 2022.
- Young JH, Richardville K, Staats B, Miller BJ. "<u>How Algorithms Could Improve Primary Care</u>." *Harvard Business Review* May 6, 2022.
- 2021 Miller BJ, Slota JM, Cullen T, Lushniak B, Wilensky GR. "<u>To Transform Veterans Health Care For The Next Generation</u>, We Should Learn from TRICARE." *Health Affairs Forefront* July 26, 2021.
- Miller BJ, Moffit RE, Ficke J, Marine J, Ehrenfeld JM. "Reversing Hospital Consolidation: The Promise of Physician-Owned Hospitals." *Health Affairs Forefront* April 12, 2021.
- Wilensky GR, Miller BJ. "Solutions for Medicare's Continual Fiscal Crisis." *The Commonwealth Fund Forefront* January 27, 2021.
- 2020 Miller BJ, Wilensky GR. "<u>The Next Step in Medicare Reform.</u>" *The Heritage Foundation* Backgrounder No. 3531, September 16, 2020.
- 2020 Miller BJ, Moffit RE. "Choice, Competition, and Flexibility, Part II: Market-Driven Alternatives to Single Payer." *Health Affairs Forefront* August 20, 2020.
- 2020 Miller BJ, Moffit RE. "Choice, Competition, and Flexibility, Part I: Post-ACA Consumer Challenges." Health Affairs Forefront August 19, 2020.
- 2019 Miller BJ, Wilensky GR. "Moving to a Market-Driven Medicare Program." Health Affairs Forefront December 5, 2019.
- 2019 Meshnick A, Miller BJ, Lushniak BD. "<u>How FDA Can Act On E-Cigarettes And Protect The Public Health</u>." *Health Affairs Forefront* September 17, 2019.
- 2019 Miller BJ, Slota J, Cullen T, Randall R, Southam A. "Choice and Competition: The Veterans' Health Advantage Program." Health Affairs Forefront April 29, 2019.
- 2019 Miller BJ, Richardville K. "The NIH needs to be leaner and more innovative. Here's how to do that." STAT First Opinion January 22, 2019.
- 2018 Miller BJ, Cullen T, Lushniak BD. "Solving the Crisis of Care at the VA Part 2: Public-Private

- Competition." Health Affairs Forefront March 6, 2018.
- 2018 Miller BJ, Cullen T, Lushniak BD. "Solving the Crisis of Care at the VA Part 1: A Path To Address Staff Shortages." March 5, 2018.
- 2017 Gilman D, Miller BJ, Goldstein B. "Board Certification: A Dose of Competition." Health Affairs Forefront November 29, 2017.
- 2017 Miller BJ, Davis MC, Mathis MV. "In Pursuit of Tardive Dyskinesia: The Breakthrough Designation and Approval of Valbenazine." *Spotlight on CDER Science* September 19, 2017.

Opinion

- 2023 Miller BJ. "How site-neutral payment could bring more transparency to the healthcare system." *Washington Examiner* March 13, 2023.
- 2023 Miller BJ. "COVID deaths deserved better from CDC. Here's how we fix it." FOX News March 6, 2023.
- 2023 Lankford J, Miller BJ. "End ObamaCare's Ban on Physician-Owned Hospitals." Wall Street Journal February 20, 2023.
- 2022 Miller BJ, Ehrenfeld JM. "Stop Hospital Consolidations to Lower Health Care Prices for All Americans." The Hill November 28, 2022.
- 2022 Miller BJ. "Opinion: How to fix American health care, according to 6 experts: Allow Competition in Hospital Markets." CNN October 18, 2022.
- 2022 Miller BJ, Phan P. "A Plan for CDC Reform is Long Overdue." *The Hill* June 22, 2022.
- 2022 Miller BJ. "A rising China and progressive policies endanger US pharmaceutical innovation." *The Hill.* March 15, 2022.
- 2021 Miller BJ, Ehrenfeld JM. "Covid-19 has revealed the hazards of hospital special interests." STAT First Opinions September 30, 2021.
- 2020 Meshnick A, Miller BJ, Cullen T, Lushniak BD. "It's past time to fully deploy the U.S. Public Health Service Commissioned Corps to fight Covid-19." STAT News First Opinions March 30, 2020.
- 2019 Miller BJ, Wolfe G. "FTC Concerns Over Bristol-Myers Deal Raise Questions." *Law360* August 5, 2019.

Letters

- Sen AP, Meiselbach MK, Anderson KE, Miller BJ, Polsky D. "Physician Network Breadth and Plan Quality Ratings in Medicare Advantage." *JAMA Health Forum* 2021;2(7):e211816
- 2020 Miller BJ. "Letter to the Editor in response to 'Preventive Medicine's equivalence problem." *Preventive Medicine* 2020;139.
- 2017 Miller BJ, Davis M, Stone M. "Letter to the Editor in response to 'Association of Selective Serotonin Reuptake Inhibitor Exposure During Pregnancy With Speech, Scholastic, and Motor Disorders in Offspring." JAMA Psychiatry March 15, 2017

Book Chapters

Miller BJ, Wilensky GR. "Chapter 6: The Next Step in Medicare Reform." In <u>Modernizing Medicare: Harnessing the Power of Consumer Choice and Market Competition</u>. Moffit RE, Fishpaw M (eds). Baltimore, Maryland; The Johns Hopkins University Press. 2023

Ehrenfeld JM, Miller BJ. "Improving and Growing Value-Added Roles (Chapter 13)." In: <u>Value-Added Roles for Medical Students</u>. Gonzalo JD, Hammoud MM, Schneider GW (eds). Philadelphia, PA; Elsevier: 2021

Federal briefs/regulatory documents

- Miller BJ, Antos JR, Moffit RE, Parente ST, Wilensky GR. <u>Response letter</u> to "CMS-4203-NC, Request for Information on Medicare." August 30, 2022
- 2017 Davis MC, Miller BJ. "Ingrezza (valbenazine) Clinical Review." NDA 209241 U.S. Food and Drug Administration

Abstracts

- Blanks W, Agarwal N, Menger R, Orrico K, Mortimer A, McGuire LS, Vessell M, Miller BJ, DiGiorgio A. "NeurosurgeryPAC: An Analysis of Political Contribution Data." Abstract presented at the American Association of Neurological Surgeons, April 22, 2023.
- Sen A, Meiselbach M, Anderson K, Miller B, Polsky D. "Network Breadth and Quality in the Medicare Advantage Program." Abstract presented at the Annual Conference of the American Society of Health

Economists, June 22, 2021.

Posters

- 2018 Stone M, Kalaria S, Richardville K, Miller BJ. "Age, Treatment, and Baseline Severity as Factors in Suicidal Behavior in Randomized Placebo-Controlled Trials in Major Depressive Disorder." Oral presentation presented by first author at American Society of Clinical Psychopharmacology annual meeting May 29, 2018.
- 2018 Stone M, Kalaria S, Richardville K, Miller BJ. "Components and Trends in Treatment Effects in Randomized Placebo-Controlled Trials in Major Depressive Disorder 1979 2016." Poster presented at American Society of Clinical Psychopharmacology annual meeting May 29, 2018.
- 2018 Miller BJ, Levine M, Usala G, Montero A. "Hospital Reimbursement & Quality Rankings: A Resident Driven Endeavour." Poster presented at Georgetown University School of Medicine Research Day April 24 2018.
- 2017 Umhau J, Fischer B, Miller B, Kim J, Davis M, Dubitsky G, Mattai A. "Intermittent Explosive Disorder: A Serious, Unmet Medical Need." Poster presented at the American Society of Clinical Psychopharmacology annual meeting May 2017.
- Bruno R, Miller BJ, Lee D, Pahwa A, and McGuire M. "Strategies to Improve Cost-Conscious Care Delivered in a Primary Care Environment." Poster presented at the Johns Hopkins Community Physicians annual retreat, Baltimore, MD, and the ACPM annual conference, Atlanta, GA.

Podcasts

2018 - 2020

Levine M, Miller BJ. "<u>The Business of Healthcare</u>" A podcast series covering documentation, principles of insurance, FDA regulation of pharmaceuticals, and other topics for practicing physicians

Research Theses

2015 "Trade Barriers to Innovations in Healthcare Service Delivery." May 10. (Johns Hopkins University)

2007 "Diabetes and Inflammation." May 16. (University of Washington)

Working Papers

Mandelberg MC, Smith M, Ehrenfeld JM, Miller BJ. "Hospital Competition and Restrictions on Physician-Owned Hospitals."

Miller BJ, Gowda N, Ranasinghe P, Phan P, Cullen T, Lushniak BD. Organizational Culture and Staffing Models at the Centers for Disease Control and Prevention

Cho T, Gowda V, Schulzrinne H, Miller BJ. "Integrated Devices: A New Regulatory Pathway to Promote Revolutionary Innovation."

Yagi B, Blanks W, Miller BJ. "The 510(k) Third Party Review Program: Promise and Potential."

EDITORIAL ACTIVITIES

Reviewer – Ad hoc

American Journal of Managed Care

Annals of Internal Medicine

INOUIRY

International Conference on Pharmacoepidemiology and Therapeutic Risk Management

Journal of the American Medical Informatics Association

Journal of Hospital Medicine

Journal of Medical Systems

Journal of Public Health Management & Practice

Mayo Clinic Proceedings

Medical Care

Public Health Reports

Preventive Medicine

Tobacco Control

Other Editorial Roles

2021 – present Section Editor, Health Financing for INQUIRY: The Journal of Health Care Organization, Provision, and Financing

Grant Review Activities

2020 HRSA 20-107 Rural Residency Planning and Development Program, \$8.25M funding opportunity [August 3 - 5]

PROFESSIONAL AFFILIATIONS

American Bar Association, Section of Antitrust Law American College of Preventive Medicine American Medical Association Society for Hospital Medicine

GRANT SUPPORT	Γ
Extramural	
2023 – 2024	"Lessons from ENDS Product Regulation Applicable to Cannabis Regulation." Ohio State Drug Enforcement and Policy Center (PI: Brian Miller, Co-PI: Brian Yagi), \$20,400 total costs, no salary support, 1% effort
2022 – 2024	"Public Health Policy in a Post-Pandemic World." The Charles Koch Foundation (PI: Brian Miller; Associate PI: Brian Yagi), \$600,000 total costs, 74% salary support
2022 – 2024	"Health Policy Journal." The Mercatus Center (PI: Brian Miller) \$73,000 total costs, 15% salary support
2022 – 2023	"The Role of Provider Networks and Other Tools in Creating Value in Medicare Advantage." Arnold Ventures (PI: Dan Polsky) \$494,698 total costs, no salary support. Role in grant: associate investigator
Intramural	
2023	"FDA Regulatory Policy: Promoting Innovation in Artificial Intelligence and Prescription Drugs." Johns Hopkins Hospitalist Scholars. (PI: Brian Miller), \$18,000 in direct costs
2022	"Acute Antidepressant Efficacy Studies: An FDA Participant-Level Analysis." Johns Hopkins Hospitalist Scholars. (PI: Brian Miller), \$6,750 in direct costs
2021	"Cost and Quality of Care in Physician-Owned Hospitals: A Systematic Review." Johns Hopkins Hospitalist Scholars. (PI: Brian Miller), \$6,400 in direct costs
TEACHING	
2021	Guest Lecture, "Paying for Health Care Products and Services." In BU.881.706.H1 "Health Innovation and Evaluation" in the Master of Science in Health Care Management program, Johns Hopkins Carey Business School, 35 students [1 hour]
2016 – Present	Guest lecturer & instructor, MBA-893J, "Regulation & Principles of Health Insurance," in the full-time MBA program, University of North Carolina at Chapel Hill [20 hours]
2020 – Present	Instructor, Foundations of Public Health, "Domestic Health Policy Selective" Y1 curriculum, yearly, Johns Hopkins University School of Medicine, 32 students [5.5 hours]
2020 - 2023	Instructor, BU.883.705.81, "Health Care Financing," in the Master of Science in Health Care Management program, Johns Hopkins Carey Business School (6.7% salary support) [21 hours]
2020	Foundations of Public Health "Group Exercise Judge," Y1 curriculum, yearly, Johns Hopkins University School of Medicine, 32 students [5.5 hours]
2020	Instructor, MBA-881, "Faculty Directed Research," in full-time MBA program, University of North Carolina at Chapel Hill. Mentored Steven Zima for policy research on specialized plans in the Medicare Advantage program.

BRIAN J. MILLER, M.D., M.B.A., M.P.H.

2016	Teaching Assistant, "Critical Analysis of Popular Diets" and "Problem Solving in Public Health,"
	Johns Hopkins University, Bloomberg School of Public Health
2015	Lecturer, "Special Topics in Healthcare," Federal Trade Commission