#### **CURRICULUM VITAE**

## MATTHEW D. EISENBERG, PhD

#### PERSONAL STATEMENT

Matthew Eisenberg, PhD, is a health economist and Associate Professor of Health Policy and Management (primary), and Mental Health (joint) at the Johns Hopkins Bloomberg School of Public Health, and at the Johns Hopkins Carey Business School (joint). At Johns Hopkins, he serves as Vice Chair for Faculty in the Department of Health Policy and Management, the Director of the PhD Program in Health Economics and Policy, the Director of the Center for Mental Health and Addiction Policy, and the Director of Research for the Hopkins Business of Health Initiative. He completed his BS, with honors, in Policy Analysis and Management at Cornell University and received his PhD in Public Policy and Management from Carnegie Mellon University with a specialization in Health Economics.

Much of his research has been focused on analyzing the impact of Federal, insurer, and employer level health care policies, specifically with applications to mental health and substance use disorder. In his work, he brings econometric research designs and economic theory to important policy questions with the goal of improving the functioning of health care markets and improving health. His work has won multiple best abstract awards at the Academy Health Annual Research Meeting (ARM) and he has published 70 peer-reviewed papers in top economics, medical, and policy journals including *Journal of Health Economics, American Journal of Health Economics, JAMA*, and *Health Affairs*. He has received more than \$10 million in funding in grants as principal investigator from the *National Institutes for Health* (NIH) and several prominent foundations.

He believes strongly in translating research for impact and consults with numerous Federal and State policymakers to advise them on healthcare policy. His work has been cited in the 2020 and 2024 Economic Report of the President, Food and Drug Administration Rulemaking, Senate Budget and Finance Committee Reports, and state legislative reports from Colorado, Minnesota, Massachusetts, Tennessee, Washington. He served as the co-chair of an international, multi-disciplinary, *Lancet Psychiatry* commission aimed at translating mental health research to action. He is serving a four-year term on a statewide commission on Behavioral Health Treatment and Access after being appointed by Governor Wes Moore.

He is a dedicated member of the profession and serves on the Board of Directors of the American Society of Health Economists. His teaching has won excellence in teaching awards at Johns Hopkins for eight consecutive years. He serves as a mentor to many Johns Hopkins students, and, as a mentor to queer economics PhD students as part of the American Economic Association Committee on the Status of LGBTQ+ Individuals in the Economics Profession.

## **Keywords**

Health economics, health policy, health insurance, mental health, substance use disorder

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## MATTHEW D. EISENBERG, PhD

#### PERSONAL DATA

Business Address:

Matthew Eisenberg, PhD

Department of Health Policy and Management

Johns Hopkins Bloomberg School of Public Health

Johns Hopkins University

1812 Ashland Ave, Room 314

Baltimore, MD 21205 Tel: (410)-955-7496

Email: <u>eisenberg@jhu.edu</u>
Twitter/X: @MattDEisenberg

Pronouns: He/him/his

## **EDUCATION AND TRAINING**

Carnegie Mellon University, 2015, PhD, Public Policy and Management

H. John Heinz III College Field: Health Economics

Dissertation: Three Essays in Health Economics

Committee: Martin Gaynor, Seth Richards-Shubik, Benjamin Handel

Carnegie Mellon University, 2012, MPhil, Public Policy and Management

Cornell University, 2009, BS with honors, Policy Analysis and Management

#### PROFESSIONAL EXPERIENCE

Johns Hopkins University

<u>Associate Professor</u>, (Primary) Department of Health Policy and Management, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD 2021-present

Associate Professor, (Joint), Department of Mental Health, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD 2022-present

Associate Professor, (Joint), Johns Hopkins Carey Business School, Baltimore, MD 2022-present

<u>Vice Chair for Faculty</u>, Department of Health Policy and Management, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD 2022-present

<u>Director</u>, Center for Mental Health and Addiction Policy, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD, 2023-present

<u>Director of Research</u>, Hopkins Business of Health Initiative, Johns Hopkins University, Baltimore, MD, 2023-present

<u>Director</u>, PhD Program in Health Economics and Policy, Health Policy and Management, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD 2020-present

<u>Core Faculty</u>, Hopkins Economics of Alzheimer's Disease and Services Center, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD 2020-present

<u>Leadership Team</u>, Hopkins Business of Health Initiative, Johns Hopkins University, Baltimore, MD, 2020-present

<u>Core Faculty</u>, Hopkins Business of Health Initiative, Johns Hopkins University, Baltimore, MD 2020-present

<u>Core Faculty</u>, Center for Mental Health and Addiction Policy Research, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD 2016-present

<u>Affiliate Faculty</u>, Wendy Klag Center for Autism and Developmental Disabilities, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD 2019-present

<u>Deputy Director</u>, Research Data Enclave Core, Hopkins Economics of Alzheimer's Disease and Services Center, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD 2020-2023

<u>Assistant Professor</u>, Health Policy and Management, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD 2015-2021

<u>Director</u>, Interdepartmental Program on Health Economics, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD 2019-2022

<u>Deputy Director</u>, Interdepartmental Program on Health Economics, Johns Hopkins Bloomberg School of Public Health, Baltimore, MD 2018-2019

## PROFESSIONAL ACTIVITIES

Board of Directors, American Society of Health Economists, 2024-present

Member, Maryland Commission on Behavioral Health Treatment and Access, 2023-present

Co-chair, Lancet Psychiatry Commission on Scaling Mental Health Interventions 2022-2024

Member, AcademyHealth 2018-present

Member, Association for Policy Analysis and Management 2015-present

Member, American Economic Association 2013-present

Member, American Society of Health Economists 2009-present

## **EDITORIAL ACTIVITIES**

## **Board Membership**

Inaugural Peer Review Board, Health Affairs Scholar, 2024-present

#### **Peer Reviewer**

American Journal of Health Economics

American Journal of Managed Care

American Journal of Preventive Medicine

Applied Health Economics and Policy

**Communication Reports** 

**Economic Inquiry** 

Health Affairs

Health Affairs Scholar

**Health Economics** 

Health Services Research

Inquiry

JAMA Health Forum

JAMA Psychiatry

JAMA Network Open

Journal of General Internal Medicine

Journal of Health Economics

Journal of Political Economy: Microeconomics

Journal of Public Policy and Marketing

Medical Care

Medical Care Research and Review

**Nature: Communications** 

New England Journal of Medicine

Review of Economics of the Household

#### **Grant Reviews**

NIH Reviewer for Early Independence Award (DP5), 2023 NIH HEAL Study Section (RFAs, DA-23-053 & DA-23-054), 2023 FDA Office of Prescription Drug Promotion, 2018

# **Review of Reports and Other Documents**

UC Davis Center for Healthcare Policy and Research, 2021 Colorado Department of Health Care Policy and Financing, 2018-2021

#### **HONORS AND AWARDS**

Editors Choice: Article Selected for Special Curation 'Decision Science and Health Economics: Applications to Mental Health Services." 2022.

Best Abstract: Health Economics Interest Group. Academy Health Annual Research Meeting, 2022.

Best of ARM Abstract. Selected as one of eight abstracts to be featured as the Best of the Academy Health Annual Research Meeting, 2020.

Bloomberg School of Public Health Excellence in Teaching for Applied Microeconomics for Policymaking, 2019, 2021

Bloomberg School of Public Health Excellence in Teaching for Intermediate Health Economics, 2019, 2020, 2021, 2022, 2023

Bloomberg School of Public Health Excellence in Teaching for Health Economics II, 2016, 2017, 2018

George Duncan Award for Excellence in Doctoral Studies at Heinz College, Carnegie Mellon University, 2012.

## **PUBLICATIONS**

## **Peer-Reviewed Journal Articles**

- \* Indicates a mentored student or post-doctoral fellow
  - 1. Li W, **Eisenberg MD**, Song M, Kennedy-Hendricks A, Saloner B. 2024. Medications for Opioid Use Disorder After Entering Residential Treatment: Evidence from Louisiana Medicaid, *Journal of Addiction Medicine*. 10.1097.
  - 2. Thornburg B\*, Eddelbuettel J, Braun RT, Kennedy-Hendricks A, McGinty EE, **Eisenberg MD.** Acquisitions of Behavioral Health Treatment Facilities from 2010-2021. *Health Affairs Scholar*, qxae080. Published online June 4<sup>th</sup> 2024.
  - 3. Kennedy-Hendricks A, Song M, McCourt AD, Sharfstein J, **Eisenberg MD**, Saloner B. 2024. State licensure policy as a tool for mainstreaming medications for opioid use disorder in specialty addiction treatment. *Health Affairs*, 43(5): 732-739.
  - 4. Eddelbuettel JC, Barry CL, Kennedy-Hendricks A, Busch AB, Hollander MA, Huskamp HA. Meiselbach MK, Schilling C, Stuart E, **Eisenberg MD.** 2024. Changes in Healthcare Spending Attributable to High Deductible Health Plan Offer Among Enrollees with Comorbid Cardiovascular Disease and Substance Use Disorder. *Journal of General Internal Medicine*, Published online March 8<sup>th</sup> 2024.
  - 5. McGinty EE, White SA, **Eisenberg MD**, Palmer N, Brown HC, Saloner BK. 2024. U.S. Payment Policy for Medications to Treat Opioid Use Disorder: Landscape and Opportunities. *Health Affairs Scholar*, 2(3): qxae024.
  - 6. McGinty EE, Alegria M, Beidas RS, Braithewaite J, Kola L, Leslie DL, Moise N, Mueller B, Pincus HA, Shidhaye R, Simon K, Singer S, Stuart EA, **Eisenberg MD**. 2024. The Lancet Psychiatry Commission on Transforming Mental Health Implementation Research. *Lancet Psychiatry*, 11: 368-96.
  - 7. Zhu JM, **Eisenberg MD**. 2024. Administrative Frictions and the Mental Health Workforce. *JAMA Health Forum*, 5(3): e240207.
  - 8. White SA, McCourt AD, Tormohlen KN, Yu J, **Eisenberg MD**, McGinty EE. 2024. Navigating Addiction Treatment During COVID-19: Policy Insights from State Health Leaders. *Health Affairs Scholar*, 2(2): qxae007.

- 9. Cliff BQ, Eddelbuettel JCP, Meiselbach MK, **Eisenberg MD.** 2024. Deductible Imputation in Administrative Medical Claims Datasets. *Health Services Research*, 59:e14278.
- 10. Shen K, Eddelbuettel J, **Eisenberg MD.** 2024. The Impact of the COVID-19 Pandemic on Job Flows into and Out of Healthcare. *JAMA Health Forum*, 5(1): e234964.
- 11. Thornburg B\*, Kennedy-Hendricks A, Rosen J, **Eisenberg MD.** 2024. Anxiety and Depression Symptoms After the Dobbs Abortion Rights Decision. *JAMA*, 331(4): 294-301.
- 12. Meiselbach MK, **Eisenberg MD.** 2023. Financial Risk and the Decision of Small Employers to Self-Fund Health Insurance: Evidence from Stop Loss Regulation in California. *American Journal of Health Economics*, DOI: 10.1086/728588.
- 13. **Eisenberg MD,** Barry CL. 2023. High-Deductible Health Plans' Impact on Mental Health and Substance Use Disorder Treatments—Balancing Cost and Care. *JAMA: Psychiatry*. Published online ahead of print August 9<sup>th</sup>, 2023.
- 14. Gensheimer SG\*, Eisenberg MD, Wu AW, Pollack CE. 2023. Health and Healthcare Access Among Adults Living in Affordable Housing: National Estimates for the Low-Income Housing Tax Credit. *Housing Policy Debate*, DOI: 10.1080/10511482.2023.2237496.
- 15. Meiselbach MK, Huskamp HA, Eddelbuettel JCP, Kennedy-Hendricks A, Hollander MAG, Schilling C, Busch AB, Stuart EA, Barry CL, **Eisenberg MD**. 2023. Choice of High-Deductible Health Plans Among Enrollees with a Substance Use Disorder. *Journal of Substance Abuse Treatment*. 154: 209152.
- 16. Niederdeppe J, Avery RJ, Liu J, Mann C, Sood N, **Eisenberg MD**. 2023. Associations between exposure to pharmaceutical direct-to-consumer advertising for heart health, physical activity, and dietary behavior. *Social Science and Medicine*. 330: 116062.
- 17. Tormohlen KN, **Eisenberg MD**, Fingerhood M, Yu J, McCourt A, Stuart EA, Rutkow L, White SA, McGinty EE. 2023. Trends in opioid use disorder outpatient treatment and telehealth utilization before and after the onset of the COVID-19 pandemic. *Psychiatric Services*. Published online ahead of print, July 18<sup>th</sup> 2023.
- 18. Eddelbuettel JC, Barry CL, Kennedy-Hendricks A, Busch AB, Hollander MA, Huskamp HA. Meiselbach MK, Schilling C, Stuart E, **Eisenberg MD.** 2023. High-deductible Health Plans and Non-fatal Opioid Overdose. *Medical Care*. 61(9): 601-604.
- 19. Hollander MAG\*, Kennedy-Hendricks A Schilling C Meiselbach MK Stuart EA Huskamp HA Busch AB Eddelbuettel JC Barry CL, **Eisenberg MD.** 2023. Do High-

- Deductible Health Plans Incentivize Changing the Timing of Substance Use Disorder Treatment? *Medical Care Research and Review.* 80(5): 530-539.
- 20. Kennedy-Hendricks A, Eddelbuettel JCP, Bicket M, Meiselbach MK, Stuart EA, Huskamp HA, Busch AB, Hollander MAG\*, Barry CL, **Eisenberg MD**. 2023. Impact of High Deductible Health Plans on U.S. Adults with Chronic Pain. *American Journal of Preventive Medicine*. 65(5): 800-808.
- 21. Singh Y\*, **Eisenberg MD**, Sood N. 2023. Factors Associated with Public Trust in Pharmaceutical Manufacturers. *JAMA Network Open*. 6(3): e233002.
- 22. Busch AB, Barry CL, Kennedy-Hendricks A, Hollander MA, Huskamp HA. Meiselbach MK, Schilling C, Stuart E, **Eisenberg MD.** 2023. Measurement Approaches to Estimating Methadone Continuity in Opioid Use Disorder Care. *Medical Care*, 61(5): 314-320.
- 23. Avery R, Cawley J, Eddelbuettel J\*, **Eisenberg MD**, Mann C\*, Mathios M. 2023. Consumer Responses to Voluntary Disclosure of Information: Evidence from Calorie Labeling by Starbucks. *American Journal of Health Economics*. 9(1).
- 24. Wen G\*, Zare H, **Eisenberg MD**, Anderson G. 2023. The association between non-profit hospital community benefit spending and health outcomes. *Health Services Research*, 58:107-115.
- 25. **Eisenberg MD**, Eddelbuettel JC, McGinty EE. 2022. Employment in Office Based and Intensive Behavioral Health Settings in the U.S., 2016-2022. *JAMA*. 328(16): 1642-1643.
- 26. Meiselbach MK, Kennedy-Hendricks A, Schilling C, Busch A, Huskamp H, Stuart E, Hollander MA, Barry CL, **Eisenberg MD**. 2022. High Deductible Health Plans and Spending among Families with a Substance Use Disorder. *Drug and Alcohol Dependence*. 241: 109681.
- 27. McGinty EE, Seewald NJ, Bandara S, Cerda M, Daumit GL, **Eisenberg MD**, Griffin BA, Igusa T, Jackson JW, Kennedy-Hendricks A, Marsteller J, Miech EJ, Purtle J, Schmid I, Schular MS, Yuan CT, Stuart EA. 2022. Scaling interventions to manage chronic disease: Innovative methods at the intersection of health policy research and implementation science. *Prevention Science*, Published online September 1<sup>st</sup>, 2022.
- 28. **Eisenberg MD**, Signh Y\*, Sood N. 2022. Association of Direct-to-Consumer Advertising (DTCA) of Prescription Drugs on Consumer Health Related Intentions and Beliefs Among Individuals at Risk of Cardiovascular Disease. *JAMA Health Forum*. 3(8): e222570.
- 29. McGinty EE, **Eisenberg MD**. 2022. The mental health treatment gap: the implementation problem as a research problem. *JAMA Psychiatry*. 79(8): 746-747.

- 30. Goplerud DK\*, Geiseheimer S\*, Schnieder BA, **Eisenberg MD**, Smith GS, Pollack CE. 2022. The spatial relationship between the Low-Income Housing Tax Credit program and industrial air pollution. *Cityscape*. 24(3): 183-211.
- 31. Gensheimer S\*, **Eisenberg MD**, Hindman D, Wu AW, Pollack CE. 2022. Examining Health Care Access and Health of Children Living in Homes Subsidized by the Low-Income Housing Tax Credit. *Health Affairs*. 41(6): 883-892.
- 32. **Eisenberg MD**, Kennedy-Hendricks A, Schilling C, Busch A, Huskamp HA, Stuart L, Meiselbach M,\* Barry CL. 2022. The Impact of High-Deductible Health Plans on Substance Use Disorder Treatment Use and Spending. *American Journal of Managed Care*. 28(10): 500-506.
- 33. Avery R, Niederdeppe J, **Eisenberg MD**, Welch B\*, Kim J\*, Sood N. 2022. Messages in Prescription Drug Advertising for Four Chronic Diseases, 2003-2016: A Content Analysis. *Preventive Medicine*. 158: 107015.
- 34. Avery R, Cawley J, **Eisenberg MD**, Mathios A, Schulman C\*. 2022. Does industry self-regulation restrict advertising? Evidence from the children's food & beverage advertising initiative. *Obesity*. 30(4): 864-868.
- 35. Sen A, Singh Y\*, Meiselbach M\*, **Eisenberg MD**, Anderson G. 2022. Participation, Pricing, and Enrollment in a Health Insurance "Public Option": Evidence from Washington State's Cascade Care Program. *Milbank Quarterly*. 100(1): 190-217.
- 36. Schilling C, **Eisenberg MD**, Kennedy-Hendricks A, Huskamp H, Busch A, Stuart L, Meiselbach M\*, Barry CL. 2022. Effects of High Deductible Health Plans on Enrollees with Mental Health and Substance Use Disorders. *Psychiatric Services*. 73(5): 518-525.
- 37. Bai G, Zare H, Polsky D, **Eisenberg MD**, Anderson G. 2022. Comparison of Trends in Nonprofit Hospitals' Charity Care Eligibility Policies between Medicaid Expansion States and Medicaid Nonexpansion States. *Medical Care Research and Review*. 79(3): 458-468
- 38. Kennedy-Hendricks A, Schilling CJ, Busch AB, Stuart EA, Huskamp HA, Meiselbach MK\*, Barry CL, **Eisenberg MD**. 2022. Impact of high deductible health plans on continuous buprenorphine treatment for opioid use disorder. *Journal of General Internal Medicine*. 37(4): 769-776
- 39. Zare H, **Eisenberg MD**, Anderson G. 2022. Comparing the Value of Community Benefit and Tax-exemption in Non-Profit Hospitals. *Health Services Research*. 57(2):270-284
- 40. Meiselbach M\*, **Eisenberg MD**, Sen A, Bai G, Anderson G. 2022. Labor Market Concentration and Worker Contributions to Health Insurance Premiums. *Medical Care Research and Review*. 79(2):198-206.

- 41. Schein M\*, Avery J. **Eisenberg MD.** 2022. Missing the Mark: An Evaluation of the Federal Trade Commission's Red Flag Initiative as a Long-Term Solution to Deceptive Weight Loss Product Advertising. *Journal of Public Policy and Marketing*. 41(1).
- 42. **Eisenberg MD**, McCourt A, Stuart EA, Rutkow L, Tormohlen KN, Fingerhood MI, Quintero L, White SA, McGinty EE. 2021. Studying how state health services delivery policies can mitigate the effects of disasters on drug addiction treatment and overdose: Protocol for a mixed-methods study. *PLOS ONE*. 16(12): e0261115
- 43. **Eisenberg MD**, Meiselbach M\*, Sen A, Bai G, Anderson G. 2021. Large Self-Insured Employers Lack Power to Effectively Negotiate Hospital Prices. *American Journal of Managed Care*. 27(7): 290-296.
- 44. Zare H, **Eisenberg MD**, Anderson G. 2021. Charity Care and Community Benefit in Non-Profit Hospitals: Definition and Requirements. *Inquiry: The Journal of Health Care Organization, Provision, and Financing*. 58:1-8.
- 45. Sen A, Meiselbach M\*, Wang Y\*, **Eisenberg MD**, Anderson G. 2021. Frequency and Costs of Out-of-Network Bills for Outpatient Laboratory Services Among Privately Insured Patients. *JAMA: Internal Medicine*. 181(6): 834-841.
- 46. Bai G, Zare H, **Eisenberg MD**, Polsky D, Anderson G. 2021. Analysis Suggests Government and Nonprofit Hospitals' Charity Care is Not Aligned with Their Favorable Tax Treatment. *Health Affairs*. 40(4): 629-636.
- 47. **Eisenberg MD,** Avery RJ, Mathios A, Ernst P\*, Cawley J. 2021. Disparities in Exposure to Television Advertising of Sugar-sweetened and Non-Nutritive Sweetened Beverages Among U.S. Adults and Teens: 2007-2013. *Preventive Medicine*. 150:106628.
- 48. Rabideau B\*, **Eisenberg MD**, Reid R, Sood N. 2021. The Impact of High-Deductible Health Plans on the Use of Low-Value Care. *Journal of Health Economics*. 76:102424.
- 49. Chang HY, Krawczyk N\*, Schneider KE\*, Ferris L, **Eisenberg MD**, Richards TM, Lyons BC, Jackson K, Weiner JP, Saloner B. 2020. The Impact of Various Risk Assessment Time Frames on the Performance of Opioid Overdose Forecasting Models. *Medical Care*. 58(11): 1013-1021.
- 50. Krawczyk N\*, Ferris L, **Eisenberg MD**, Schneider K\*, Jackson K, Weiner J, Saloner B. 2020. Opioid Overdose Death Following Criminal Justice Involvement: Linking Statewide Corrections and Hospital Databases to Detect Individuals at Highest Risk. *Drug and Alcohol Dependence*. 213: 107997.
- 51. **Eisenberg MD,** Barry CL, Schilling C, Kennedy-Hendricks A. 2020. Financial Risk for COVID-19 Respiratory Hospitalizations in Consumer-Directed Health Plans. *American Journal of Preventive Medicine*. 59(3): 445-448.

- 52. Saloner B. Chang HY, Krawczyk N\*, Ferris L\*, **Eisenberg MD**, Richards T, Lemke K, Schneider K, Jackson K, Weiner J. 2020. Predicting Opioid Overdose Risk Using Linked Statewide Medical and Criminal Justice Data. *JAMA Psychiatry*. 77(11): 1-9.
- 53. **Eisenberg MD**, Stone EM\*, Pittell H\*, McGinty EE. 2020. The impact of academic medical center policies restricting direct-to-physician marketing on opioid prescribing. *Health Affairs*. 39(6): 1002-1010.
- 54. Nicholas L, Hanson C\*, Segal J, **Eisenberg MD**. 2020. Treatment by Fraud and Abuse Perpetrators and Mortality Among Medicare Beneficiaries. *JAMA-IM*. 180(1): 62-69.
- 55. Krawczyk N\*, Eisenberg MD, Ferris L, Schneider K\*, Jackson K, Weiner J, Saloner B. Predicting Fatal Overdose among Hospital Patients with Substance-Related Encounters in Maryland. 2020. *Annals of Emergency Medicine*. 75(1): 1-12.
- 56. **Eisenberg MD,** Du S\*, Kennedy-Hendricks A, Sen A., Barry CL. 2020. Health Care Spending by Enrollees with Substance Use and Mental Health Disorders in High-Deductible Health Plans vs Traditional Plans. *JAMA Psychiatry*. 77(8): 872-875.
- 57. Ferris L, Saloner B, Krawcyck N\*, Schneider K\*, Jarman M, Jackson K, Lyons, B, **Eisenberg, MD**, Richards T, Lemke K, Weiner JW. 2019. Predicting Opioid Overdose Deaths Using Statewide Prescription Drug Monitoring Program Data. *American Journal of Preventive Medicine*. 57(6): e211-e217.
- 58. Chang HY, Krawczyk N\*, Schneider KE\*, Ferris L, **Eisenberg MD**, Richards TM, Lyons BC, Jackson K, Weiner JP, Saloner B. 2019. A Predictive Risk Model for Nonfatal Opioid Overdose in a Statewide Population of Buprenorphine Patients. *Drug and Alcohol Dependence*. 201: 127-33.
- 59. **Eisenberg MD**, Saloner B. Krawczyk N\*, Ferris L, Schneider K\*, Lyons B, Weiner J. 2019. Fatal Opioid Overdose Rates Among Populations with Prior Opioid Prescriptions, Hospital Records, and/or Criminal Justice Involvement in Maryland. *JAMA IM*. 179(7): 980-982.
- 60. Nicholas L, Hanson C\*, Segal J., **Eisenberg MD.** 2019. Medicare Beneficiaries Exposure to Fraud and Abuse Perpetrators. *Health Affairs*. 38(5): 788-793.
- 61. Barry C, Kennedy-Hendricks A, Mandell D, Epstein AJ, Candon M, **Eisenberg MD.** 2019. How Do State Autism Mandate Laws Affect Children in High-Deductible Health Plans. *Pediatrics*. 143(6): e20182391.
- 62. **Eisenberg MD**, Haviland A, Mehtora A, Huckfedlt P, Sood N. 2017. The Long-Term Effects of Consumer-Directed Health Plans on the Use of Preventive Care. *Journal of Health Economics*. 55:61-75.

- 63. Avery R, **Eisenberg MD**, Cantor J. 2017. An Examination of Structure-Function Claims in Dietary Supplement Advertising in the U.S.: 2003-2009. *Preventive Medicine*. 97: 86-92.
- 64. **Eisenberg MD**, Avery R, Cantor J. 2017. Vitamin Panacea: Is Advertising Fueling Demand for Products with Little Scientific Benefit? *Journal of Health Economics*. 55:30-44.
- 65. Haviland A, **Eisenberg MD**, Huckfedlt P, Mehtora A, Sood N. 2016. Do 'Consumer-Directed' Health Plans Bend the Cost Curve Over Time? *Journal of Health Economics*. 46: 33-51.
- 66. McDevitt R, Haviland A, Laudenberger L, Lore R, **Eisenberg MD**, Sood N. 2014. Risk Selection into Consumer-Directed Health Plans: An Analysis of Family Choices within Large Employers. *Health Services Research*. 49(2): 609-627.
- 67. Avery R, Cawley J, **Eisenberg MD**, Cantor J. 2013.Raising Red Flags: The Change in Deceptive Advertising of Weight Loss Products After the Federal Trade Commission's 2003 Red Flag Initiative. *Journal of Public Policy and Marketing*. 32(1):129.
- 68. Avery R, **Eisenberg MD**, Simon K. 2012. The Impact of Direct-to-Consumer Television and Magazine Advertising on Antidepressant Use. *Journal of Health Economics*. 31(5), 705-718.
- 69. Avery R, Eisenberg MD, Simon K. 2012. Fair Balance in Direct-to-Consumer Antidepressant Print and Television Advertising, 1995-2007. *Journal of Health Communication*. 17(3), 250-277.

## **Revise and Resubmit**

- 70. Meiselbach MK, **Eisenberg MD.** Labor Market Concentration and Employee Health Benefits. <u>Available at SSRN</u>. Revisions requested.
- 72. Rabideau, B\*. **Eisenberg MD.** Impacts of Reduced-Cost Telemedicine: Evidence from Changes in Health Plan Benefits. <u>Available at SSRN</u>. Revisions requested.
- 73. Meiselbach M. **Eisenberg MD.** Coalition Bargaining for Health Care Prices: Evidence from Colorado. Revisions requested.

## **Under Review**

74. Drake C, Nagy D, **Eisenberg MD**, Slusky D. Medical Cannabis Availability and Mental Health: Evidence from New York's Medical Cannabis Program. NBER WP #32514.

## PRACTICE ACTIVITIES

## **Practice-Related Report**

 Bai, G., Eisenberg, M., Anderson G. 2019. Review Report of Colorado's Cost Shift Analysis Draft Report. <a href="https://www.colorado.gov/pacific/sites/default/files/Cost%20Shift%20Report%20Consultant%20Review%20January%202020.pdf">https://www.colorado.gov/pacific/sites/default/files/Cost%20Shift%20Report%20Consultant%20Review%20January%202020.pdf</a>

# **Testimony**

1. **Eisenberg, M.**, & Bai, G. 2019. Health care costs: options for state policymakers. Utah House of Representatives and State Senate. Salt Lake City, Utah.

# Presentations to Policymakers, Communities, and Other Stakeholders

- 1. **Eisenberg M**, Barrett F, Nayak S. What's Next for Psychedelics. 2023. *Johns Hopkins Congressional Briefing: What's Next for Psychedelics?*
- 2. **Eisenberg M,** McGinty EE, Braun RT, Thornburg, B. 2023. Private Equity Investment in Substance Use Disorder Treatment. *Presentation to the Senate Homeland Security Committee.*
- 3. **Eisenberg M,** Kennedy-Hendricks A. 2023. Current Trends in Substance Use Disorder Research. *Presentation to the National Office of Drug Control Policy, Executive Office of the President.*
- 4. **Eisenberg M**, McGinty EE. 2023. Business of Digital Behavioral Health. *Conversations on the Business of Health webinar series: Hopkins Business of Health Initiative*.
- 5. Sen, A., **Eisenberg, M**., Anderson, G. 2020. Innovative Uses of All-Payer Claims Databases and Other State Data for Policy Related to Lowering Health Care Prices. *Webinar for state policymakers across ten different states*.
- 6. Sen, A., **Eisenberg, M.,** Bai, G., Anderson, G. 2020. State Efforts to Lower Health Care Spending for State Employees. *Webinar for state policymakers across ten different states*.

# **Research Finding Dissemination Through Media Appearances**

Selected Media Coverage

- 1. BBC. 'I've lost many friends' Hunter Biden jury pool highlight drug epidemic. June 5<sup>th</sup> 2024. <a href="https://www.bbc.com/news/articles/c722vr3wprlo">https://www.bbc.com/news/articles/c722vr3wprlo</a>
- 2. Vox. Living in an abortion ban state is bad for mental health. February 20<sup>th</sup> 2024. https://www.vox.com/24071802/abortion-roe-overturn-trigger-ban-states-mental-health
- 3. HealthDay. Healthcare workforce turnover increased after the pandemic. January 26<sup>th</sup> 2024. <a href="https://www.healthday.com/healthpro-news/public-health/health-care-workforce-turnover-increased-after-pandemic">https://www.healthday.com/healthpro-news/public-health/health-care-workforce-turnover-increased-after-pandemic</a>
- 4. Forbes. Anxiety and Depression Symptoms Jumped after SCOTUS Overturned Roe. January 23<sup>rd</sup>, 2024. <a href="https://www.forbes.com/sites/roberthart/2024/01/23/anxiety-and-depression-symptoms-jumped-after-scotus-overturned-roe-study-finds/?sh=6382cbbc2238">https://www.forbes.com/sites/roberthart/2024/01/23/anxiety-and-depression-symptoms-jumped-after-scotus-overturned-roe-study-finds/?sh=6382cbbc2238</a>
- 5. Axios. Healthcare workers kept leaving the industry after pandemic. January 29<sup>th</sup> 2024. <a href="https://www.axios.com/2024/01/29/health-care-workers-kept-leaving-the-industry-after-pandemic-study">https://www.axios.com/2024/01/29/health-care-workers-kept-leaving-the-industry-after-pandemic-study</a>
- 6. Los Angeles Times. Healthcare costs are rising even as inflation falls. March 29<sup>th</sup> 2023. <a href="https://www.latimes.com/politics/story/2023-03-29/healthcare-costs-are-rising-even-as-inflation-falls">https://www.latimes.com/politics/story/2023-03-29/healthcare-costs-are-rising-even-as-inflation-falls</a>
- 7. MedPage Today. *Viewers Unmoved by Price Info Heart Drug Commercials*. August 12<sup>th</sup>, 2022. https://www.medpagetoday.com/publichealthpolicy/healthpolicy/100196
- 8. CNET. *The Pandemic Changes Healthcare and There's no Going Back*. January 9<sup>th</sup> 2022. <a href="https://www.cnet.com/health/medical/the-pandemic-changed-health-care-and-theres-no-going-back/">https://www.cnet.com/health/medical/the-pandemic-changed-health-care-and-theres-no-going-back/</a>
- 9. Politico Magazine. *When Dr. Oz Went to the Senate*. December 1st, 2021. <a href="https://www.politico.com/news/magazine/2021/12/01/dr-oz-senate-campaign-523562">https://www.politico.com/news/magazine/2021/12/01/dr-oz-senate-campaign-523562</a>
- 10. Verywell News. *Are COVID-19 Booster Shots Free?* September 3<sup>rd</sup>, 2021. https://www.verywellhealth.com/are-booster-shots-free-5200244
- 11. Managed Care Cast. In Most of the US, Self-insured Employers Lack Power at the Bargaining Table with Hospitals. July 20<sup>th</sup>, 2021. <a href="https://www.ajmc.com/view/in-most-of-the-us-self-insured-employers-lack-power-at-the-bargaining-table-with-hospitals">https://www.ajmc.com/view/in-most-of-the-us-self-insured-employers-lack-power-at-the-bargaining-table-with-hospitals</a>
- 12. Healthcare Dive. *Large self-insured employers lack power in hospital price negotiations*. July 16<sup>th</sup>, 2021. <a href="https://www.healthcaredive.com/news/large-self-insured-employers-lack-power-in-hospital-price-negotiations/603390/">https://www.healthcaredive.com/news/large-self-insured-employers-lack-power-in-hospital-price-negotiations/603390/</a>
- 13. NBC. Some COVID Patients Facing Long-Term Medical Bills. June 4<sup>th</sup>, 2021. https://twitter.com/NBCNewsNow/status/1400935471870525443

- 14. NBC. *Medical Debt is Engulfing More People as Pandemic Takes its Toll*. April 23<sup>rd</sup>, 2021. <a href="https://www.nbcnews.com/politics/politics-news/medical-debt-engulfing-more-people-pandemic-takes-its-toll-n1265002">https://www.nbcnews.com/politics/politics-news/medical-debt-engulfing-more-people-pandemic-takes-its-toll-n1265002</a>
- 15. The Doctors. *Why are People Getting Billed for Free COVID Tests?* Television Segment. November 11<sup>th</sup>, 2020. <a href="https://www.thedoctorstv.com/videos/what-should-you-do-if-you-receive-a-bill-for-a-covid-19-test">https://www.thedoctorstv.com/videos/what-should-you-do-if-you-receive-a-bill-for-a-covid-19-test</a>
- 16. Associated Press. *COVID-19 Coverage Safety Net Has Plenty of Holes in the US*. October 11<sup>th</sup>, 2020. <a href="https://apnews.com/article/virus-outbreak-government-programs-archive-f70b8774eb7ec40d49b959eb60b0616c">https://apnews.com/article/virus-outbreak-government-programs-archive-f70b8774eb7ec40d49b959eb60b0616c</a>
- 17. British Medical Journal. *COVID-19: Americans Afraid to Seek Treatment because of the Steep Cost of Their High Deductible Insurance Plans*. October 8<sup>th</sup>, 2020. https://www.bmj.com/content/371/bmj.m3860
- 18. Health Day News. *Another COVID Plague: Big Surprise Medical Bills for Survivors*. June 22<sup>nd</sup>, 2020. <a href="https://consumer.healthday.com/infectious-disease-information-21/coronavirus-1008/another-covid-plague-big-surprise-medical-bills-for-survivors-758790.html">https://consumer.healthday.com/infectious-disease-information-21/coronavirus-1008/another-covid-plague-big-surprise-medical-bills-for-survivors-758790.html</a>
- 19. WBAL Radio. The Cost of COVID-19 Hospitalizations. June 15th, 2020.
- 20. Health Leaders Media. *Medicare Fraud Carries Heavy Price Tag for Scammed Patients*. October 29<sup>th</sup>, 2019. <a href="https://www.healthleadersmedia.com/clinical-care/medicare-fraud-carries-heavy-price-tag-scammed-patients">https://www.healthleadersmedia.com/clinical-care/medicare-fraud-carries-heavy-price-tag-scammed-patients</a>
- 21. NBC News. Cigna Express Scripts Merger Could be Welcome for Medicine for Shareholders. March 8<sup>th</sup>, 2018. <a href="https://www.nbcnews.com/business/business-news/cigna-express-scripts-merger-could-be-welcome-medicine-shareholders-n854881">https://www.nbcnews.com/business/business-news/cigna-express-scripts-merger-could-be-welcome-medicine-shareholders-n854881</a>

## **CURRICULUM VITAE**

## MATTHEW D. EISENBERG

#### Part II

## TEACHING EXPERIENCE

## **PhD Students Advised (Initial Placement)**

Harlan Pittel, PhD. 2020. (Research Scientist, Flatiron Health, New York)
Brendan Rabideau, PhD, 2022. (Health Economics Associate, Analysis Group, Los Angeles)
Mark Meiselbach, PhD, 2022. (Assistant Professor, Johns Hopkins University, Baltimore)
Benjamin Thornburg, PhD, expected 2025
Linh Tran, PhD, expected 2027

#### **DrPh Students Advised**

Danielle Bargo, DrPH, expected 2027

#### **Masters Students Advised**

Mingxin Chen, MHS, 2016
Niyati Thakker, MPH, 2017
Carin Hitches, MPH 2018
Jonathan Crowe, MPH 2018
Thomas Wilson, MPH 2018
Halit Yapici, MPH/MBA 2018
Ali Bokhari, MPH 2019
Kelly Wu, MPH, 2021
Scott Goldman, MPH/MBA 2021
Stephen Tan, MSPH 2021
Zachary Panos, MPH 2023
Andrea Flory, MPH, expected 2024
Deuber, Bryan E, MPH, expected 2025
Lorie Kmetz, MPH, expected 2025

# **Masters Capstone Advisor**

Mingxin Chen, MHS, 2016 Anja Fries, MPH, 2018 Akihito Yoshida, MHS, 2019 Zachary Panos, 2023

# **Undergraduate Thesis Advising**

Mara Schein, BS, 2018 (Cornell University) Craig Schulman, BS, 2021 (Cornell University)

# **Training Grant Participation**

Agency for Health Care Research and Quality Training Program (T32), PI: Sydney Dy, Department of Health Policy and Management, Johns Hopkins Bloomberg School of Public Health. Role: Associate Director & Core Faculty, Economics Track. 2016-present

Mental Health Services and Systems Training Program (T32), PI: Elizabeth Stuart, Department of Health Policy and Management, Johns Hopkins Bloomberg School of Public Health. Role: Core Faculty & Leadership Team, Economics & Services Track. 2017-present

Training Program in Data Integration for Causal Inference in Behavioral Health (T32) PI: Elizabeth Stuart, Department of Mental Health, Johns Hopkins Bloomberg School of Public Health. Role: Core Faculty, 2020-present

## **Preliminary Departmental Orals**

Caroline Hanson, Health Policy and Management, May 25<sup>th</sup> 2017
Shawn Du, Health Policy and Management, June 28<sup>th</sup> 2017
Jonathan Levin, Health Policy and Management, February 15<sup>th</sup> 2019
Harlan Pittell, Health Policy and Management, March 19<sup>th</sup> 2019
Yang Wang, Health Policy and Management, May 20<sup>th</sup> 2020
Brendan Rabideau, Health Policy and Management, September 21<sup>st</sup> 2020
Mark Meiselbach, Health Policy and Management, January 20<sup>th</sup>, 2021
Yashaswini Singh, Health Policy and Management, December 1<sup>st</sup>, 2021
Kiefer Ahn, Health Policy and Management, December 10<sup>th</sup>, 2021
Angela Liu, Health Policy and Management, November 3<sup>rd</sup>, 2022
Benjamin Thornburg, Health Policy and Management, July 11<sup>th</sup> 2023
Jenny Markell, Health Policy and Management, April 4<sup>th</sup>, 2024

## **Preliminary Schoolwide Orals**

Caroline Hanson, Health Policy and Management, June 28<sup>th</sup> 2017
Shawn Du, Health Policy and Management, September 7<sup>th</sup> 2017
Jonathan Levin, Health Policy and Management, March 14<sup>th</sup> 2019
Harlan Pittell, Health Policy and Management, April 19<sup>th</sup> 2019
Yang Wang, Health Policy and Management, July 13<sup>th</sup> 2020
Brendan Rabideau, Health Policy and Management, November 3<sup>rd</sup> 2020
Mark Meiselbach, Health Policy and Management, March 10<sup>th</sup>, 2021
Yashaswini Singh, Health Policy and Management, January 19<sup>th</sup> 2022
Kiefer Ahn, Health Policy and Management, January 26<sup>th</sup> 2022
Benjamin Thornburg, Health Policy and Management, September 7<sup>th</sup>, 2023
Jenny Markell, Health Policy and Management, May 23<sup>rd</sup> 2024

## **Dissertation Defense**

Emmanuel Morales, Economics, May 31st 2018 Caroline Hanson, Health Policy and Management, March 21st 2019 Shawn Du, Health Policy and Management, March 22nd 2019 Jonathan Levin, Health Policy and Management, May 7th 2020 Harlan Pittell, Health Policy and Management, August 11<sup>th</sup> 2020 Yang Wang, Health Policy and Management, April 19<sup>th</sup>, 2022. Brendan Rabideau, Health Policy and Management, May 9<sup>th</sup>, 2022 Mark Meiselbach, Health Policy and Management, June 9<sup>th</sup>, 2022 Yashaswini Singh, Health Policy and Management, April 13<sup>th</sup>, 2023 Matt Zahn, Economics, May 7<sup>th</sup>, 2023

#### Instructor

Applied Microeconomics for Policymaking, Johns Hopkins Bloomberg School of Public Health, 2018-present

Intermediate Health Economics, Johns Hopkins Bloomberg School of Public Health, 2019-2023 Health Economics II, Johns Hopkins Bloomberg School of Public Health, 2016-2018 Introduction to Probability, Carnegie Mellon University, 2012-2013

## **Guest Lecturer**

Advanced Health Economics, Johns Hopkins, 2018-present
Health Policy and Management PhD Seminar, Johns Hopkins, 2017-present
General Internal Medicine Fellowship Program, Johns Hopkins, 2022
Fundamentals of Health Policy and Management, Johns Hopkins, 2018-2022
Current Topics in Public Health, Johns Hopkins, 2018
Health Economics, Johns Hopkins (Homewood), 2016-2017
Seminar in Public Health Economics, Johns Hopkins, 2015-2016
Doctoral Seminar in Health Services Research and Policy, Johns Hopkins, 2015

## RESEARCH GRANT PARTICIPATION

# **Ongoing Research Support**

Agency: Bloomberg American Health Initiative

Grant Title: Enhancing Mental Health Policy Research for Suicide Prevention

PI: Matthew Eisenberg Dates: 07/01/24-06/30/27

Directs: \$750,000

This transformative award will support a partnership between the Center for Mental Health and Addiction Policy (CMAP) and the Bloomberg American Health Initiative, focusing on advancing suicide prevention and response through innovative policy research. The initiative aims to address critical gaps in mental health services and improve suicide prevention and response strategies by conduction and translating cutting-edge research into actionable policy solutions.

Agency: Nexus Awards from Johns Hopkins University

Grant Title: A New Agenda for Mental Health and Addiction Policy in the U.S.

PI: Matthew Eisenberg Dates: 07/01/24-06/30/25

Directs: \$98,150

This award will provide support for a convening series at the Hopkins Bloomberg Series in

Washington, D.C, sponsored by the Center for Mental Health and Addiction Policy (CMAP). We will engage policymakers and stakeholders in events tied to actionable products to improve the lives of those with mental health and substance use disorders through policy research.

Agency: Commonwealth Foundation

Grant Title: Studying the effects of corporate and private equity acquisitions of behavioral health treatment facilities on utilization of, quality of, and spending on care for Medicare Beneficiaries in the US.

PI: Matthew Eisenberg (multi-PI: Beth McGinty)

Dates: 01/01/24 – 06/30/25

Directs: \$195,917

The proposed study will use a rigorous Medicare claims-based quantitative analysis estimating the effect of acquisitions on behavioral health treatment utilization, quality, and spending for Medicare beneficiaries covered by traditional Medicare and treatment utilization and quality among beneficiaries covered by Medicare Advantage plans. Study findings will inform how policymakers respond to future behavioral health market acquisitions to support access and quality and control spending.

Agency: NINR R01NR020854-01

Grant Title: Housing policies and their impact on engagement in substance use treatment and

overdose risk during the COVID-19 pandemic. PI: Matthew Eisenberg (multi-PI: Craig Pollack)

Dates: 09/26/2022-06/30/2026

Directs: \$1,885,102

Since the start of the COVID-19 pandemic, already-high overdose mortality rates soared, and millions of households have fallen behind on their rent. This project will assess to what extent innovative housing policies enacted ruing the COVID-19 pandemic-including eviction moratoriums, emergency rental assistance, and legal representation to tenants facing eviction (right to counsel) affected rates of substance use treatment and fatal and non-fatal drug overdose. In addition to the quantitative analyses, we will conduct in-depth qualitative interviews to inform policy development and implementation at the intersection of housing and substance use disorder.

Agency: NIDA R01DA053232

Grant Title: Studying how state and local health services delivery policies can mitigate the effects of disasters on drug addiction treatment and overdose: A mixed-methods study of

COVID-19

PI: Matthew Eisenberg (multi-PI: Beth McGinty)

Dates: 08/01/2021-05/31/2025

Directs: \$1,727,672

State health services delivery policies have the potential to enhance access to drug addiction treatment and prevent overdose during public health disasters, but rigorous evidence is lacking. In this project, we will study the implementation and outcomes of state health services delivery

policies on rates of drug addiction treatment and fatal and non-fatal drug overdose during and following the COVID-19 disaster.

# **Completed Research Support**

Agency: NIDA R01DA044201

Grant Title: Consumer Directed Health Plans and Substance Use Disorder Treatment

PI: Matthew Eisenberg (multi-PI: Colleen Barry) Dates: 9/30/2018-6/30/2023 (NCE through 2024)

Directs: \$1,839,268

This project will compare the effects of the decision to offer a consumer-directed health plan option to only offering traditional plan choices under commercial insurance on SUD treatment utilization, including use of medication-assisted treatment, and on treatment for diabetes, cardiovascular disease, depression and nicotine dependence among enrollees with co-occurring SUD.

Agency: NINR R21NR020304

Grant Title: Exploring the Impacts of Housing Assistance on Children's Health Care Use

PI: Craig Pollack (Eisenberg: Co-I)

Dates: 08/31/2021-07/31/2023 (NCE through 2024)

Directs: \$275,000

To compare patterns of Medicaid enrollment and health care use among children receiving a housing choice voucher and those on the waitlist.

Agency: Commonwealth Foundation

Grant Title: Characterizing Behavioral Health Mergers and Acquisitions From 2011-2021

PI: Matthew Eisenberg (multi-PI: Beth McGinty)

Dates: 01/01/23 – 12/31/23

Directs: \$177,134

The proposed study will develop a comprehensive, longitudinal database of behavioral health mergers and acquisitions from 2011-2021. This database will characterize the financing of each deal, the organizations involved, and the proportion of the organization's patient population who are Medicare beneficiaries. A unique contribution of our work will be detailed characterization of the financial forces driving mergers and acquisitions (e.g., private equity), the levels (e.g., inpatient, outpatient) and types (mental health, substance use disorder, general medical) of care delivered by organizations involved in mergers and acquisitions; this will allow us to describe whether and how mergers and acquisitions influence integration of organizations with previously distinct levels/types of care.

Agency: NIA P30AG066587

Grant Title: Hopkins' Economics of Alzheimer's Disease and Services (HEADS) Center

PI: Dan Polsky & Jennifer Wolff (Eisenberg: Co-I)

Dates: 8/01/2020-11/30/2023 (Date Co-I Role ended. The Center continues.)

Directs: \$544,508

The HEADS Center advances science that addresses the relationship between ADRD and goals of accessible, affordable, and appropriate quality care delivery. To achieve this goal, HEADS will undertake activities to stimulate and support research on two overarching signature themes: (1) To identify and quantify ADRD care needs and variation in needs, including racial and ethnic minority subgroups, and how ADRD care needs affects economic consequences for persons with ADRD, their families and other unpaid caregivers and (2) To examine how health system organization and financing affect ADRD-related health outcomes

Agency: Arnold Ventures

Grant title: Using Licensure Authority to Increase Access to Medications for Opioid Use

Disorder in Specialty Treatment PI: Brendan Saloner (Eisenberg: Co-I)

Dates: 05/01/2020-10/31/2022 (NCE through 2023)

Directs: \$611,800

The goal of this project is to establish an evidence base for increasing access to medications for opioid use disorder (MOUD) in specialty addiction treatment using state licensure authority. It will develop a consensus statement for implementing laws that require MOUD access and conduct a mixed methods research study to identify the impact of these laws on facilities and patients.

Agency: AHRQ R01HS025983

Grant Title: Direct and Indirect Effects of Direct-to-Consumer Advertising

Subcontract PI: Matthew Eisenberg (Sub from Cornell University, PI: Rosemary Avery)

Dates: 5/01/2018-3/31/2022

Directs: \$922,839

This research will examine the effects of direct-to-consumer advertising (DTCA) of pharmaceuticals and dietary supplements on prescription drug use, physician office visits, and health related behaviors such as exercise and diet.

Agency: Affordability Research Consortium

Grant Title: Assessing the Impact of Direct-to-Consumer Advertising (DTCA) on Consumer

Behavior

PI: Matthew Eisenberg (Multi-PI: Neeraj Sood)

Dates: 02/01/2020-12/30/2022

Directs: \$323,980

This study will conduct a randomized controlled experiment to estimate the causal effects of DTCA on behavior and behavior intentions related to drug utilization, non pharmacological treatments and healthy behaviors. It will also examine how disclosure of price information in DTCA influences consumer behavior.

Agency: Arnold Ventures

Grant Title: Lowering Health Care Prices in the Private Sector

PI: Aditi Sen (Eisenberg: Co-I) Dates: 01/22/2021-12/30/2022

Directs: \$982,613

This research will develop legislative and regulatory approaches to set a maximum price that hospitals and physicians can charge. By reducing the amount of money going to hospitals and physicians, total US health care spending will be lower. Working with five states we hopefully will be able to help the states develop effective policy solutions to reduce prices.

Agency: NICHD R03HD098411

Grant Title: Housing Affordability and Child Health: Integrating data on Low Income Housing

Tax Credit with Measures of Child Health From the National Health Interview Survey

PI: Craig Pollack (Eisenberg: Co-I) Dates: 06/14/2019- 05/31/2021

Directs: \$50,000

The goal of this study is to analyze how the low income housing tax credit (LIHTC) may impact child health. By combining a propensity score weighting approach with innovative data matching, we are comparing the health status of children who live in LIHTC housing to similar children who do not live in LIHTC housing.

Agency: Arnold Ventures

Grant Title: Increasing Access to Evidence-Based Medication Treatment for Opioid Use

Disorder among Justice-Involved Individuals

PI: Brendan Saloner (Eisenberg: Co-I)

Dates: 05/01/2019-4/30/2021

Directs: \$323,364

The goal of this study is to identify policies and practices that could increase access to FDA approved medications for opioid use disorder among individuals in criminal justice settings. It will include qualitative interviews with sheriffs, wardens, and other correctional officials to understand barriers and facilitators to providing medications for individuals in the justice system and a project to develop a data linkage and evaluation plan to study a program that aims to increase access to medications in the Delaware Department of Correction.

Agency: Johns Hopkins Bloomberg School of Public Health Wendy Klag Center Fund Grant Title: The Effects of High-Deductible Health Plans on Service Use Among Children and Transition-Age Youth with Autism Spectrum Disorder

PI: Matthew Eisenberg (multi-PI: Alene Kennedy-Hendricks)

Dates: 7/01/2019-6/30/2021

Directs: \$50,000

This research will use innovative data on healthcare utilization and benefit design from OptumLabs examine the effects of high-deductible health plans on treatment utilization among those with ASD.

Agency: Arnold Ventures

Grant Title: Lowering Health Care Prices in the Private Sector

PI: Gerard Anderson (Eisenberg: Co-I)

Dates: 09/01/2018-03/31/2021

Directs: \$841,754

This research will develop legislative and regulatory approaches to set a maximum price that hospitals and physicians can charge. By reducing the amount of money going to hospitals and physicians, total US health care spending will be lower. Working with five states we hopefully will be able to help the states develop effective policy solutions to reduce prices.

Agency: Johns Hopkins Bloomberg School of Public Health Faculty Innovation Fund

Grant Title: Disparities in the Impact of High Deductible Health Plans

PI: Matthew Eisenberg Dates: 5/01/2018-4/30/2019

Directs: \$35,000

This research will use innovative data on healthcare utilization and benefit design from OptumLabs examine the effects of high-deductible health plans on out-of-pocket costs and financial strain across different educational and income groups.

Agency: 2015-PM-BX-K002, US Department of Justice

Grant Title: High Risk Prescription Drug Users

PI: Jonathan Weiner (Eisenberg: Co-I)

10/01/2015-09/30/2019 Directs: \$300,000

This grant will link novel data sources in the Maryland prescription drug monitoring program to health care data in order to develop a risk prediction model that can ultimately lead to timely intervention to avert adverse opioid-related events.

Agency: SSA #5DRC12000002-06

Grant Title: Why Does Medicare Fraud and Abuse Disproportionately Target Beneficiaries with

Disabilities?

PI: Lauren Nicholas (Eisenberg: Co-I)

Dates: 9/30/2017-9/29/2018

Directs: \$44,270

This project seeks to uncover the extent of fraud and abuse in the Medicare system, the patients that fraudulent providers interact with, and how interactions with fraudulent providers may be exacerbating health disparities, with a focus on the Medicare beneficiaries with disabilities.

#### **SERVICE**

## **Department**

Ad-hoc committee on a Department seminar, Health Policy and Management, 2024-present Department of Health Policy and Management Leadership Team, 2022-present Academic Policy and Admissions Committee (APAC), 2020-present

PhD in Health Economics Admissions Committee, Health Policy and Management, 2015-present Health Economics Faculty Search Committee, Health Policy and Management, 2021-2022 Health Policy and Management Self Study Committee, Health Policy and Management, 2021 Health Care Policy Faculty Search Committee, Health Policy and Management, 2020-2021 Health Policy and Management Diversity Committee, Health Policy and Management, 2016-2020

Health Policy and Management Communications Association Search Committee, Health Policy and Management, 2018-2019

Economic Evaluation Faculty Search Committee, Health Policy and Management, 2017-2018 Student Endowment Committee, Health Policy and Management, Johns Hopkins, 2016

## School

Department of Mental Health Faculty Search Committee, Department of Mental Health, 2024-present

Hampton House Relocation Representative Committee, Johns Hopkins Bloomberg School of Public Health, 2023-present

Review Committee for Faculty Innovation Fund, Johns Hopkins Bloomberg School of Public Health, 2022

Director of Diversity, Equity and Civility Search Committee, Johns Hopkins Bloomberg School of Public Health, 2019

Committee on Diversity, Equity and Civility, Johns Hopkins Bloomberg School of Public Health, 2017-2019

## University

Hopkins Business of Health Initiative Leadership Team, Johns Hopkins University, 2020-present Hopkins Business of Health Initiative Postdoc Search Committee, Johns Hopkins University, 2022

Hopkins Business of Health Initiative Design Team, Johns Hopkins University, 2019-2020 Health Economics Seminar Series Organizing Committee, Johns Hopkins University, 2016-2021

## **Profession**

Mentor to Junior Faculty, American Society of Health Economists, 2021-present Mentor to Junior Faculty, American Economics Association Committee on the Status of LGBTQ+ Individuals in the Economics Profession, 2022-present Mentor to PhD Students, American Economics Association Committee on the Status of LGBTQ+ Individuals in the Economics Profession, 2023-present

## **PRESENTATIONS**

## **Scientific Meetings**

Eisenberg M. 2024. The Role of Telemedicine Policies in Mitigating the Effects of the COVID-19 Pandemic on Drug Addiction Treatment. Empirical Health Economics Conference, Pisa, Italy

Eisenberg M. 2024. The Role of Telemedicine Policies in Mitigating the Effects of the COVID-19 Pandemic on Drug Addiction Treatment. American Society of Health Economists, San Diego, CA.

- Eisenberg M. 2024. The Role of Telemedicine Policies in Mitigating the Effects of the COVID-19 Pandemic on Drug Addiction Treatment. Canadian Health Economics Study Group, Toronto, Canada.
- Eisenberg, M. 2022. The Effects of Telemedicine on the Treatment of Mental Illness: Evidence from Plan Benefit Design. 25<sup>th</sup> National Conference on Mental Health Services Research, NIMH.
- Eisenberg, M. 2020. The Impact of High-Deductible Health Plans on Substance Use Disorder Treatment Utilization. Virtual Academy Health Annual Research Meeting (ARM). \*Selected as one of eight abstracts to be featured as the Best of ARM
- Eisenberg, M. 2020. The Impact of Labor Market Concentration on Health Care Premiums. ASHEcon Annual Meeting. St Louis, MO. [Cancelled due to COVID-19 Pandemic]
- Eisenberg, M. 2019. The Spillover Effects of Direct-to-Consumer Advertising of Prescription Drugs. Association for Public Policy Analysis and Management Annual Meeting. Denver, CO.
- Eisenberg, M. 2019. The Spillover Effects of Direct-to-Consumer Advertising of Prescription Drugs. ASHEcon Annual Meeting. Washington, DC.
- Eisenberg, M. 2019. The Spillover Effects of Direct-to-Consumer Advertising of Prescription Drugs. Summer Applied Microeconomics Conference. Nashville, TN.
- Eisenberg, M. 2018. Disparities in the Impact of High Deductible Health Plans. OptumLabs Research and Translation Forum. Cambridge, MA.
- Eisenberg, M. 2018. The Impact of Marketing Restricting Policies on High Risk Opioid Prescribing. Association for Public Policy Analysis and Management Annual Meeting. Washington, DC.
- Eisenberg, M. 2018. The Impact of Marketing Restricting Policies on High Risk Opioid Prescribing. Western Economic Association Meetings. Vancouver, BC.
- Eisenberg, M. 2018. Medicare Beneficiaries Exposure to Fraud and Abuse Perpetrators. Western Economic Association Meetings. Vancouver, BC.
- Eisenberg, M. 2017. Patient Choice of Physicians and the Relative Valuation of Price, Distance, and Quality: Evidence from an Internet-Based Price Transparency Provider Search Tool. Hopkins Health, Labor Education and Development Conference. Baltimore, MD.
- Eisenberg, M. 2016. Vitamin Panacea: Is Advertising Fueling Demand for Products with Little Scientific Benefit? Southeastern Health Economics Study Group. Richmond, VA.

- Eisenberg, M. 2016. The Impact of Competition on the Quality in Physician Markets: Evidence from Cardiologists. Association for Policy Analysis and Management Meeting. Washington, DC.
- Eisenberg, M. 2015. Vitamin Panacea: Is Advertising Fueling Demand for Products with Little Scientific Benefit? Association for Policy Analysis and Management Meeting. Miami, FL.
- Eisenberg, M. 2014. The Long-Term Effects of Consumer-Directed Health Plans on the Use of Preventive Care. American Association of Health Economists Meeting. Los Angeles, CA.
- Eisenberg, M. 2012. Hospital Cost Shifting: New Evidence from Florida. American Association of Health Economists Meeting. Minneapolis, MN.

## **Invited Seminars**

- Eisenberg, M. 2023. The Role of Insurance Policies in Mitigating the Effects of the COVID-19 Pandemic on Drug Addiction Treatment. Office of Personnel Management, Washington DC
- Eisenberg, M. 2023. Collective Bargaining for Healthcare Prices: Evidence From Colorado. Texas A&M University, College Station, TX.
- Eisenberg, M. 2022. Impact of Telemental Cost Sharing on the Use of Telemental Health Care. Duke University, Durham, NC.
- Eisenberg, M. 2022. Impact of Telemental Cost Sharing on the Use of Telemental Health Care. Harvard Medical School, Boston, MA.
- Eisenberg, M. 2022. Impact of Telemental Cost Sharing on the Use of Telemental Health Care. Vanderbilt University, Nashville, TN.
- Eisenberg, M. 2019. The Spillover Effects of Direct-to-Consumer Advertising of Prescription Drugs. Cornell University. Ithaca, NY.
- Eisenberg, M. 2019. Disparities in the Impact of High Deductible Health Plans. Vanderbilt University. Nashville, TN.
- Eisenberg, M. 2018. The Impact of Dietary Supplement Marketing. Ohio State University. Columbus, OH.
- Eisenberg, M. 2016. Do Consumer-Directed Health Plans Bend the Cost Curve Over Time? Indiana University Purdue University Indianapolis, Economics Department. Indianapolis, IN.
- Eisenberg, M. 2015. The Impact of Competition on the Quality in Physician Markets: Evidence from Cardiologists. Mathematica Policy Institute. Cambridge, MA.

- Eisenberg, M. 2015. The Impact of Competition on the Quality in Physician Markets: Evidence from Cardiologists. Congressional Budget Office. Washington, DC.
- Eisenberg, M. 2015. The Impact of Competition on the Quality in Physician Markets: Evidence from Cardiologists. Indiana University, School of Public and Environmental Affairs. Bloomington, IN.
- Eisenberg, M. 2015. The Impact of Competition on the Quality in Physician Markets: Evidence from Cardiologists. Johns Hopkins University, Bloomberg School of Public Health. Baltimore, MD.
- Eisenberg, M. 2015. The Impact of Competition on the Quality in Physician Markets: Evidence from Cardiologists. Yale University, School of Public Health. New Haven, CT.
- Eisenberg, M. 2014. The Impact of Competition on the Quality in Physician Markets: Evidence from Cardiologists. Carnegie Mellon University, Tepper School of Business. Pittsburgh, PA.
- Eisenberg, M. 2014. The Impact of Competition on the Quality in Physician Markets: evidence from Cardiologists. Federal Trade Commission, Antitrust Division. Washington, DC.