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EDUCATION

Lehigh University, Bethlehem, PA August 2015
Ph.D. Economics

Ramapo College of New Jersey, Mahwah, NJ May 2010
B.A. Economics, Minors: Mathematics, Music

EXPERIENCE

Assistant Professor of Economics July 2018 - Present
Department of Economics
Lafayette College

Economist August 2015 - June 2018
Center for Financing, Access and Cost Trends
Agency for Healthcare Research and Quality

Adjunct Professor January 2017 - May 2018
McCourt School of Public Policy
Georgetown University

Adjunct Professor September 2013 - May 2015
College of Business and Economics
Lehigh University

PEER REVIEWED PUBLICATIONS

Biener, A., B. Chartock, C. Garmon, E. Trish. 2021. "Emergency Physicians Recover a Higher Share of Charges from Out-of-Network Balance Bills than from In-Network Care." *Health Affairs*. 40:4, 622-628

Cawley, J., A. Biener, C. Meyerhoefer, Y. Ding, T. Zvenyach, BG. Smolarz, A. Ramasamy. 2021. "Job Absenteeism Costs of Obesity in the U.S.: National and State-Level Estimates." *Journal of Occupational and Environmental Medicine*. doi: 10.1097/JOM.0000000000002198

Cawley, J., A. Biener, C. Meyerhoefer, Y. Ding, T. Zvenyach, BG. Smolarz, A. Ramasamy. 2021. "Direct Medical Costs of Obesity in the U.S. and the Most Populous States." *Journal of Managed Care and Specialty Pharmacy*. Mar;27(3):354-366.

Botros, C, S. Lozo, S. Iyer, A. Warren, R. Goldberg, J. Tomezsko, K. Sasso, P. Sand, A. Gafni-Kane, A. Biener, S. Botros-Brey. 2021. "Methenamine hippurate compared with trimethoprim for the prevention of recurrent urinary tract infections: a randomized clinical trial." *International Urogynecology Journal*.

Biener, A., J. Cawley, C. Meyerhoefer. 2020. "The Medical Care Costs of Obesity and Severe Obesity in Youth: An Instrumental Variables Approach." *Health Economics*. 29(2020):624639.

Biener, A., S. Zuvekas. 2020. "Do Racial and Ethnic Disparities in Mental Health Treatment Vary with Underlying Mental Health?" *Medical Care Research and Review*. 78(4):392-403.

Berdahl T., A. Biener, MC. McCormick, L. Simpson, J. Guevara. 2019. "Annual Report on Children's

Healthcare: Healthcare Access and Utilization by Obesity Status in the United States, 2010-2015.” *Academic Pediatrics*. 20(2):175-187.

Zuvekas, S., A. Biener, W. Hicks. 2019. “The Effects of Survey Enhancements on the Quality of Reporting in the Medical Expenditure Panel Survey, 2008-2015.” *Journal of Survey Statistics and Methodology*. 8(3):589-616.

Monestime, JP., A. Biener, M. Wolford, P. Mason. 2019. “Characteristics of Office-Based Providers Associated with Secure Electronic Messaging Use: Achieving Meaningful Use.” *International Journal of Medical Informatics*. 129(2019):43-48.

Biener, A., S. Zuvekas. 2018. “Do Racial and Ethnic Disparities in Utilization of Medical Care Vary with Underlying Health?” *Health Services Research*. 54(1):64-74.

Biener, A., J. Cawley, C. Meyerhoefer. 2018. “The Impact of Obesity on Medical Care Costs and Labor Market Outcomes in the U.S.” *Clinical Chemistry*. 64(1):108-117.

Biener, A., T. Selden. 2017. “Public and Private Payments for Physician Office Visits” *Health Affairs*. 36(12):2160-2164.

Biener, A., S. Zuvekas, S. Hill. 2017. “Impact of Recent Medicaid Expansions on Office-Based Primary Care and Specialty Care among the Newly Eligible” *Health Services Research*. 53(4):2426-2445.

Cawley J., C. Meyerhoefer, A. Biener, M. Hammer, N. Wintfeld. 2015. “Savings in Medical Expenditures Associated with Reductions in Body Mass Index Among Adults with Obesity, by Diabetes Status” *PharmacoEconomics*. 33(7):707-722.

AHRQ-JAMA INFOGRAPHICS SERIES

Biener, A., S. Decker, F. Rohde. 2019. “Prevalence and Treatment of Chronic Obstructive Pulmonary Disease (COPD) in the United States” *JAMA*. 322(7):602. (AHRQ-JAMA Infographic Series)

Biener, A., S. Decker, F. Rohde. 2019. “Sources of Increased Health Care Spending in the United States” *JAMA*. 321(12):1147. (AHRQ-JAMA Infographic Series)

Biener, A., S. Decker. 2018. “Medical Care Use and Expenditures Associated with Adult Obesity in the United States” *JAMA*. 319(3):218. (AHRQ-JAMA Infographic Series)

REPORTS

A. Biener. “Prosecutor Workplace and Compensation Study: Report of Findings.” Association of Prosecuting Attorneys. November, 2021.

Zewde, N., A. Biener. “State Insurance Reforms and the Tradeoffs of a Public Option.” Roosevelt Institute. June, 2020.

REFEREED CONFERENCE PRESENTATIONS

Missouri Valley Economic Association Fifty-Eighth Annual Meeting. (virtual) October 2021
The Impact of the No Surprises Act on Physician-Insurer Negotiations
Garmon C., B. Chartock, A. Biener, E. Trish

American Association of Public Opinion Research. (virtual) May 2021
Impact of Survey Design Changes on the Quality of Health Care Utilization Estimates. Evidence From
the Medical Expenditure Panel Survey and the National Health Interview Survey
Chevarley, FM., A. Biener, S. Chowdhury

- Association for Public Policy Analysis and Management Fall Research Conference. (virtual) November 2020
 “State Insurance Reforms and the Trade-Offs of a Public Option”
Zewde, N., A. Biener
- AcadamyHealth 2020 Annual Research Meeting. (virtual) July 2020
- “State Insurance Reforms and the Trade-Offs of a Public Option.” (virtual poster)
Zewde, N., A. Biener
 - “The Job Absenteeism Costs of Obesity in the U.S.” (virtual poster)
 Cawley, J., A. Biener, C. Meyerhoefer, Y. Ding, T. Zvenyach, BG. Smolarz, A. Ramasamy
 - “The Direct Medical Care Costs of Obesity in the U.S.” (virtual poster)
 Cawley, J., A. Biener, C. Meyerhoefer, Y. Ding, T. Zvenyach, BG. Smolarz, A. Ramasamy
- American Association of Public Opinion Research. (virtual) June 2020
 “The MEPS Medical Organizations Survey: Extending Survey Data with Matched Data from Records and Commercial Sources”
M. Wolford, A. Moriya, A. Biener
- American Society of Health Economists 9th Annual Research Conference. (virtual) June 2019
 “The Financial Burden of Surprise Medical Bills”
Biener, A., C. Garmon, B. Chartock, E. Trish
- American Society of Health Economists 8th Annual Research Conference, Washington, DC. June 2019
 “Characteristics of Office-Based Providers Associated with Secure Electronic Messaging Use: Achieving Meaningful Use”
JP. Monestime, A. Biener, M. Wolford, P. Mason
- American Society of Health Economists 7th Biennial Research Conference, Atlanta, GA. June 2018
 “Preventive Care Access and Use as a Driver of Racial and Ethnic Disparities in Medical Care” (poster)
A. Biener, S. Zuvekas
- FedCASIC 2018 Workshop, Suitland, MD. April, 2018
- “MEPS Provider Look-up Enhancement”
A. Biener, M. Stagnitti, W. Hicks
 - “The Effects of Survey Enhancements on Reporting in the Medical Expenditure Panel Survey”
S. Zuvekas, A. Biener, W. Hicks
- Federal Committee on Statistical Methodology Research and Policy Conference, Washington DC. March, 2018
 “Evaluation of Health Care Event Reporting in a National Household Survey Using Medical Provider Data”
J. Anderson, E. Mitchell, A. Biener
- Second Annual Federal Behavioral Health Economics and Services Research Meeting, Washington, DC. September 2017
 “Do Racial and Ethnic Disparities in Utilization of Mental Healthcare Vary with Underlying Mental Health?”
A. Biener, S. Zuvekas
- Joint Statistical Meetings, Baltimore, MD. July 2017
- “The MEPS Medical Organizations Survey: Lessons Learned on Non-Response and Data Quality from a Linked Survey Data Collection Strategy”
M. Wolford, A. Biener, M. Stagnitti
 - “Evaluation of Health Care Event Reporting in a National Household Survey”
J. Anderson, A. Biener, E. Mitchell

International Health Economics Association 12th World Congress, Boston, MA. “The Medical Care Costs of Youth Obesity” <u>A. Biener</u> , J. Cawley, C. Meyerhoefer	July 2017
AcademyHealth 2017 Annual Research Meeting, New Orleans, LA. “Do Racial and Ethnic Disparities in Utilization of Medical Care Vary with Underlying Health?” <u>A. Biener</u> , S. Zuvekas	June 2017
American Society of Health Economists 6th Biennial Research Conference, Philadelphia, PA. “Measurement Error Correction in Impact of Obesity Studies” <u>A. Biener</u> , C. Meyerhoefer, J. Cawley	June 2016
Eastern Economic Association Annual Conference, Washington, DC. “Practical Considerations when Error-Correcting BMI in Impact of Obesity Studies” <u>A. Biener</u> , C. Meyerhoefer, J. Cawley	February 2016
AEA/ASSA Annual Meeting, Boston, MA. Contributed Papers in the Economics of Hospitals, Public Insurance, and Medical Expenditures “Estimating the Medical Care Costs of Youth Obesity in the Presence of Proxy Reporting Error” A. Biener, <u>C. Meyerhoefer</u> , J. Cawley	January 2015
Obesity Week 2014 (The Obesity Society’s Annual Scientific Meeting), Boston, MA. “Savings in Medical Expenditures Associated with Reductions in Body Mass Index Among Adults with Obesity, by Diabetes Status” J. Cawley, <u>C. Meyerhoefer</u> , A. Biener, M. Hammer, N. Wintfeld	November 2014
American Society of Health Economists 5th Biennial Research Conference, Los Angeles, CA. “The Medical Care Costs of Childhood Obesity” (poster) <u>A. Biener</u> , C. Meyerhoefer, J. Cawley	July 2014
Eastern Economic Association Annual Conference, New York, NY. “The Medical Care Costs of Childhood Obesity” <u>A. Biener</u> , C. Meyerhoefer, J. Cawley	May 2013

INVITED PRESENTATIONS

Major County Prosecutors Council Summer Meeting, Nashville, TN “Prosecutor Office Staffing and Workload Survey Findings Report” <u>A. Biener</u>	July 30, 2021
Kansas Health Economics Conference, Lawrence, KS. “The Financial Burden of Surprise Medical Bills” A. Biener, B. Chartock, <u>C. Garmon</u> , E. Trish	March 23, 2020
CFACT Seminar, Agency for Healthcare Research and Quality “AHRQ-JAMA Infographic Series” <u>A. Biener</u> , S. Decker	October 2019
Lafayette College Marquis Scholar seminar series The Role of Health Economics in Evaluating Healthcare Policy <u>A. Biener</u>	October 2018
CFACT Seminar, Agency for Healthcare Research and Quality, Rockville, MD. “Evaluation of Health Care Event Reporting in a National Household Survey Using Medical Provider Data” <u>J. Anderson</u> , <u>E. Mitchell</u> , <u>A. Biener</u>	February, 2018
CFACT Seminar, Agency for Healthcare Research and Quality	October 2016

“Do Racial and Ethnic Disparities in Utilization of Medical Care Vary with Underlying Health?”

A. Biener, S. Zuvekas

CFACT Seminar, Agency for Healthcare Research and Quality

May 2016

“Stata and Excel”

A. Biener

The XIII International Congress on Obesity, Vancouver, Canada.

May 2016

“The Medical Care Costs of Youth Obesity”

A. Biener, C. Meyerhoefer, and J. Cawley

National University of Ireland Galway, Galway, Ireland.

October 2015

Department of Economics, Finance and Accounting seminar

“Estimating the Medical Care Costs of Youth Obesity”

A. Biener, C. Meyerhoefer, J. Cawley

National University of Ireland Maynooth, Maynooth, Ireland.

October 2015

Department of Economics seminar

“Estimating the Medical Care Costs of Youth Obesity”

A. Biener, C. Meyerhoefer, J. Cawley

CFACT Seminar, Agency for Healthcare Research and Quality

September 2015

“The Medical Care Costs of Youth Obesity”

A. Biener, C. Meyerhoefer, J. Cawley

OTHER CONFERENCE ACTIVITIES

NBER Summer Institute 2021, Health Economics Workshop

July 2021

American Society of Health Economists 10th Annual Research Conference (Virtual).

June 2021

Discussant (one paper)

Session Chair: Emerging Scholar Session - Competition in Health Care Markets and Insurer and Hospital Behaviors

NBER Health Economics Program Meeting Spring 2021

May 2021

NBER Health Economics Program Meeting Fall 2020

December 2020

American Society of Health Economists 8th Annual Research Conference, Washington, DC.

June 2019

Discussant (one paper)

American Society of Health Economists 7th Biennial Research Conference, Atlanta, GA.

June 2018

Discussant (two papers)

American Society of Health Economists 6th Biennial Research Conference, Philadelphia, PA.

June 2016

Session Organizer: “Treatment Effect Estimation Methods with Misreported or Missing Data”

NBER Summer Institute for Health Economics

July 2013

Eastern Economic Association Annual Conference, New York, NY.

May 2013

Session Chair, “The Economics of Obesity”

CONFERENCE PROCEEDINGS AND OTHER PUBLICATIONS

Anderson J., E. Mitchell, A. Biener. 2017. “Evaluation of Health Care Event Reporting in a National Household Survey” Joint Statistical Meetings, 2017 Proceedings

Biener, A., C. Meyerhoefer, J. Cawley. 2017. "The High and Rising Costs of Obesity to the U.S. Health Care System" *Journal of General Internal Medicine*. 32(Suppl 1):6-8. (Research Editorial)

WORKING PAPERS

Mitchell, E., J Anderson, A. Biener. 2020. "Undercounting of Healthcare Utilization in the Medical Expenditure Panel Survey" AHRQ Working Paper 20001

Biener A., J. Cawley, C. Meyerhoefer. 2017. "The Medical Care Costs of Youth Obesity: An Instrumental Variables Approach" NBER Working Paper #23682

IN PROGRESS

"State Insurance Reforms and the Tradeoffs of a Public Option."
Zewde, N., A. Biener.

"Measurement Error Correction in Cost of Obesity Studies"
Biener, A., C. Meyerhoefer, J. Cawley

"The Impact of the No Surprises Act on Physician-Insurer Negotiations"
Garmon, C., B. Chartock, A. Biener, E. Duffy, E. Trish

"Weighing In: Does Reliance on Body Mass Index Exacerbate Racial and Ethnic Disparities in Obesity Treatment?"
Biener, A.

GRANT AND CONTRACTS

Expertise on Infographics and Data Products, Professional Services Contract May 2020 - October 2020
Agency for Healthcare Research and Quality (AHR256503): \$20,000

SELECTED MEDIA CITATIONS

<i>ABA Journal</i> , "Prosecutor pay isn't keeping up with inflation, even as some case backlogs grow, study author says"	November 24, 2021
<i>US News and World Report</i> , "AHA News: Another Barrier for Black and Hispanic People: Good Mental Health Care"	October 6, 2021
<i>Wall Street Journal</i> , "Patients to Be Protected From Surprise Billing Under New Rule"	July 1, 2021
<i>Healthcare Dive</i> , "Patients Hit with Surprise Medical Bills Paid ER Docs 10 Times More than others"	April 13, 2021
<i>Wall Street Journal</i> , "Dont Let Them Eat Cake: Bosses Sugar-Shame Office Treats"	September 17, 2018
<i>Forbes</i> , "Trump To The Poor: Here's What Will Be On Your Dinner Plates"	February 13, 2018
<i>NY Daily News</i> , "U.S. Health Care Costs Up 29% Because of Obesity"	February 12, 2018
<i>Healthcare Finance</i> , "How Much Does Obesity Cost the Healthcare System? It Differs by State"	February 12, 2018
<i>Brookings</i> , "The Essential Scan: Top Findings in Health Policy Research"	September 21, 2017
<i>The Downey Obesity Report</i> , "Treat Those with Severe Obesity to Save Serious Money"	July 31, 2015
<i>Vox</i> , "A New Study Reveals Something Important About Obesity and Health Costs"	July 17, 2015
<i>BloombergBusiness</i> , "Obesity is Hurting the U.S. Economy in Surprising Ways"	March 5, 2015

OTHER MEDIA

ASHEcon Newsletter, "Careers in Health Economics: Agency for Healthcare Research and Quality" Fall, 2018

REFeree EXPERIENCE

American Journal of Preventive Medicine, American Journal of Public Health, Annals of Internal Medicine, Bulletin of Economic Research, Clinical Ophthalmology, Childhood Obesity, Eastern Economic Journal, Economics and Human Biology, European Journal of Sport Science, Health Affairs, Health Economics, Health Services Research, International Journal of Obesity, IZA Journal of Development and Migration, JAMA Network Open, Journal of Economic Behavior and Organization, Journal of Economic Surveys, Journal of Health Economics, Journal of Policy Analysis and Management, PLOS One, Simulation in Medicine, Value in Health

Statistical Reviewer

JAMA Network Open

July 2019 - Present

TEACHING EXPERIENCE

Lafayette College

Economics of the US Healthcare System (Senior Capstone)

Fundamentals of Econometrics

Intermediate Microeconomics

Georgetown University

Market Failure and Public Economics

Lehigh University

Statistical Methods

Intermediate Microeconomics

Money and Banking and Financial Systems (Teaching Assistant)

Principles of Economics (Teaching Assistant)

RESEARCH ADVISING

Doctor of philosophy in economics, outside dissertation committee member

- Pei-Chuan Ho (Lehigh University) 2020-2021
- Yue Yuan (Lehigh University) 2018-2019
- Bitu Fayaz Farkhad (Lehigh University) 2017-2019

Undergraduate honor's thesis

- Kate Kinder - Government and Law (Lafayette College - outside reader) AY 2020-2021
- Aurie Greenberg - Math and Economics (Lafayette College - primary advisor) AY 2021-2022
- Masha Nguyen - Math and Economics (Lafayette College - second reader) AY 2021-2022
- Hannah Spitzer - Policy Studies (Lafayette College - primary advisor) AY 2021-2022
- Meghan Haddad - Policy Studies (Lafayette College - second advisor) AY 2021-2022
- Marjana Tafeder - Neuroscience (Lafayette College - outside reader) AY 2021-2022

Undergraduate research assistantships

- Wenxin Chen (Research Assistant) Summer 2020
- Wenxin Chen (Lafayette College EXCEL Scholar) Fall 2020
- Masha Nguyen (Lafayette College EXCEL Scholar) Summer 2021
- Ran Peng (Lafayette College EXCEL Scholar) Fall 2021

OTHER RESEARCH EXPERIENCE

Guest Researcher Center for Financing, Access and Cost Trends,
Agency for Healthcare Research and Quality July 2018 - July 2019

Visiting scholar, Institute on Health Economics, Health Behaviors,
and Disparities, Cornell University August 2014

Research Assistant, Lehigh University / LVHN EHR Evaluation Summer 2012, Summer 2013

HONORS AND AWARDS

Outstanding reviewer: *Annals of Internal Medicine* 2020, 2019, 2018

Director's award of merit, AHRQ Honor Award October 2018
"Hands-on programming team for MEPS data user workshop"

Peer recognition award for value excellence, AHRQ Honor Award March 2018

Elizabeth V. Stout dissertation award, Lehigh University August 2016

Presidential fellowship, Lehigh University Fall 2010 - Spring 2011

Sebastian J. Raciti endowed scholarship for undergraduates majoring in
economics, Ramapo College of New Jersey 2009

SKILLS

STATA, SAS, R, L^AT_EX, Adobe Illustrator