

ERIC T. ROBERTS

Assistant Professor
Department of Health Policy & Management
Graduate School of Public Health
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ACADEMIC POSITIONS

- Assistant Professor, Department of Health Policy & Management, University of Pittsburgh Graduate School of Public Health 2017 – present
- VA Center for Health Equity Research and Promotion Core Faculty, Veterans Affairs Pittsburgh Healthcare System 2020 – present
- Visiting Faculty, Department of Health Care Policy, Harvard Medical School 2017
- Marshall J. Seidman Postdoctoral Fellow, Department of Health Care Policy, Harvard Medical School 2015 – 2017
- Faculty Associate, Johns Hopkins Bloomberg School of Public Health 2015

EDUCATION

- PhD in Health Economics & Policy, Johns Hopkins University Bloomberg School of Public Health 2010 – 2015
- BA (Phi Beta Kappa) and MA, Johns Hopkins University 2004 – 2008

RESEARCH AREAS

Medicare and Medicaid policy; payment and delivery system reform; health care disparities; applied econometrics

PEER-REVIEWED PUBLICATIONS

Published Manuscripts

1. **Roberts ET**, McGarry B, and Glynn A* (2020). “Cognition and take-up of the Medicare Savings Programs.” *JAMA Internal Medicine* (doi:10.1001/jamainternmed.2020.2783).
2. **Roberts ET**, Nimgaonkar A, Aarons J, Tomko H, Shartzter A, Zuckerman SB, and James AE (2020). “New evidence of state variation in Medicaid payment policies for dual Medicare-Medicaid enrollees.” *Health Services Research* 55: 107-109.
3. Germack H, Bizhanova Z, and **Roberts ET** (2020). “Substantial hospital variation in 30-day readmission rates among Medicare beneficiaries with Serious Mental Illness.” *Healthcare* 8(3): 100453 (doi:10.1016/j.hjdsi.2020.100453).
4. **Roberts ET**, Glynn A*, Donohue JM, and Sabik LM (2020). “The relationship between take-up of prescription drug subsidies and Medicaid among low-income Medicare beneficiaries.” *Journal of General Internal Medicine* (doi:10.1007/s11606-020-06241-y).
5. **Roberts ET** and Mehrotra A (2020). “Assessment of Disparities in Digital Access Among Medicare Beneficiaries and Implications for Telemedicine.” *JAMA Internal Medicine* 180(10):1386–1389.
 - Press coverage in: Reuters, WIRED, Medpage Today

6. Khouja T *, Donohue JM, Burgette J, and **Roberts ET** (2020). “Association Between Medicaid Expansion, Dental Coverage Policies for Adults, and Children’s Receipt of Preventive Dental Services.” *Health Services Research* 55: 642-650.
7. McWilliams JM, Barnett ML, **Roberts ET**, Hamed P, and Mehrotra A (2019). “Did Hospital Readmissions Fall Because Per Capita Admission Rates Fell?” *Health Affairs* 38(11): 1840-1844.
8. **Roberts ET**, Mellor J, McInerney M, and Sabik LM (2019). “State Variation in the Characteristics of Medicare-Medicaid Dual Enrollees: Implications for Risk Adjustment.” *Health Services Research*, 54: 1233-1245.
9. **Roberts ET**, Welsh J, Donohue JM, and Sabik LM (2019). “Association of State Policies with Medicaid Disenrollment among Low-Income Medicare Beneficiaries.” *Health Affairs* 38(7): 1153-1162.
 - Paper selected for best of AcademyHealth’s 2019 Annual Research Meeting.
10. Gaskin DJ, **Roberts ET**, Chan KS, McCleary R, Buttorff C, and Delarmente BA (2019). “No man is an island: the impact of neighborhood disadvantage on mortality.” *International Journal of Environmental Research and Public Health* 16(7): E1265.
11. Arnold C, Wong MS, **Roberts ET**, and Pollack CE (2019). “The relationship between federal housing assistance and cancer screening among low-income adults.” *Journal of General Internal Medicine*, e-pub ahead of print (doi:10.1007/s11606-019-05037-z).
12. **Roberts ET**, Zaslavsky AM, Barnett ML, Landon BE, Ding L, and McWilliams JM (2018). “Assessment of the Effect of Adjustment for Patient Characteristics on Hospital Readmission Rates: Implications for Pay for Performance.” *JAMA Internal Medicine* 178(11): 1498-1507.
13. **Roberts ET**, Hatfield L, McWilliams JM, Chernew ME, Done, N, Gerovich S, and Mehrotra A (2018). “Changes in Hospital Utilization Three Years Into Maryland’s Global Budget Program for Rural Hospitals.” *Health Affairs* 37(4): 644-653.
 - Press coverage in: *The New York Times*, *Washington Post*, *The Atlantic*, *The Baltimore Sun*, *The Daily Record* (Baltimore), WESA (Pittsburgh NPR), Morning Consult, WMAR-TV (Baltimore)
14. Wong MS, Arnold CM, **Roberts ET**, and Pollack CE (2018). “HUD Housing Assistance and Levels of Physical Activity Among Low-Income Adults.” *Preventing Chronic Disease* (doi: 10.5888/pcd15.170517).
15. **Roberts ET**, McWilliams JM, Hatfield L, Chernew ME, Gerovich S, and Mehrotra A (2018). “Changes in Health Care Use Associated with the Introduction of Hospital Global Budgets in Maryland.” *JAMA Internal Medicine* 178(2): 260-268.
 - Press coverage in: Kaiser Health News, *The Baltimore Sun*.
16. **Roberts ET**, Zaslavsky AM, and McWilliams JM (2017). “The Value-Based Payment Modifier: Program Outcomes and Implications for Disparities.” *Annals of Internal Medicine* 168(4): 255-265.
 - Selected as AcademyHealth’s 2018 paper of the year.
17. Venkataramani M *, Pollack CE, and **Roberts ET** (2017). “Spillover Effects of Adult Medicaid Expansions on Children’s Use of Preventive Services.” *Pediatrics* 140(6): e20170953.
 - Press coverage in: WESA (Pittsburgh NPR), Reuters.
18. **Roberts ET**, Mehrotra, A, and McWilliams JM (2017). “High-Price and Low-Price Physician Practices Do Not Differ Significantly on Care Quality or Efficiency.” *Health Affairs* 36(5): 855- 864.

- Press coverage in: WTOP (DC, news radio), *Health Affairs* blog, *Modern Healthcare*, and Reuters.
19. **Roberts ET**, Chernew ME, and McWilliams JM (2017). “Market Share Matters: Evidence of Insurer and Provider Bargaining Over Prices.” *Health Affairs* 36(1): 141-148.
 - Press coverage in: *Washington Post* and *Modern Healthcare*.
 - Selected as one of *Health Affairs*’ 10 most influential articles of 2017.
 20. Schwartz AL, Pesa J, Doshi D, Fastenau J, Seabury SA, **Roberts ET**, and Grabowski DC (2016). “Medicaid Managed Care Penetration and Drug Utilization for Patients with Serious Mental Illness.” *American Journal of Managed Care* 22(5): 346-353.
 21. **Roberts ET** and Pollack CE (2016). “Does Churning in Medicaid Affect Health Care Use?” *Medical Care* 54(5): 483-489.
 22. **Roberts ET**, DuGoff EH, Heins S, Swedler D, Feldman D, Wegner S, Castillo RC, Canudas-Romo V, and Anderson GF (2016). “Evaluating Clinical Practice Guidelines Based on their Association with Return to Work in Administrative Claims Data.” *Health Services Research* 51(3): 953-980.
 23. **Roberts ET** (2015). “Three Tests of Information Asymmetry among Medicaid Adults.” *Health Services and Outcomes Research Methodology* 15: 241-282.
 24. **Roberts ET** and Gaskin DJ (2015). “A Forecast of Primary Care Use in the Medicaid Expansion Population: Evidence for Providers and Policymakers.” *Medical Care Research and Review* 72(5): 241-282.
 25. Spencer CS, **Roberts ET**, and Gaskin DJ (2015). “Differences in the rates of patient safety events by payer: implications for providers and policymakers.” *Medical Care* 53(6): 524-9.
 26. Pollack CE, Lemke KW, **Roberts ET**, and Weiner JP (2015). “Patient sharing and quality of care: measuring outcomes of care coordination using claims data.” *Medical Care* 53(4): 317-323.
 27. **Roberts ET**, Horne A, Martin SS, Blaha M, Blankstein R, Budoff M, Sibley C, Frick DF, Blumenthal R, and Nasir K (2015). “Cost-Effectiveness of Coronary Artery Calcium Testing for Coronary Heart and Cardiovascular Disease Risk Prediction to Guide Statin Allocation: The Multi-Ethnic Study of Atherosclerosis (MESA).” *PLOS One* 10(3):e0116377. (doi: 10.1371/journal.pone.0116377).
 28. Siddiqui M, **Roberts ET**, and Pollack CE. (2015) “Effect of Cost-Sharing on Adult Medicaid Enrollees’ Use of the Emergency Department.” *JAMA Internal Medicine* 175(3): 393-398.
 29. Chan KS, **Roberts ET**, McCleary R, Buttorff C, and Gaskin DJ (2014). “Community Characteristics and Mortality: The Relative Strength of Association of Different Community Characteristics.” *American Journal of Public Health* 104(9): 1751-1758.
 30. **Roberts ET**, DuGoff EH, Anderson GF, Castillo RC, and Heins S (2013). “A Decomposition Analysis of Medical Expenditure Growth Among Injured Workers.” *Journal of Healthcare Finance* 40(2): 59-74.
 31. Patel H *, **Roberts ET**, and Constenla D (2013). “Cost-Effectiveness of a new Rotavirus Vaccination Program in Pakistan: a Decision Tree Model.” *Vaccine* 3: 6072-6078.
 32. Spencer CS, Gaskin DJ, and **Roberts ET** (2013). “The Quality of Care Delivered To Patients Within the Same Hospital Varies by Insurance Type.” *Health Affairs* (32)10: 1731-1739.

In Progress

1. Hollander MC*, Cole EC, Li J, Kim JY, DaCosta D, Sowers W, Ennis M, Donohue JM, and **Roberts ET**. “Changes in Medicaid Spending and Use of Care Associated with Homeless

Adults' Entry into Permanent Supportive Housing.” (Revise and resubmit to *Journal of General Internal Medicine*.)

2. **Roberts ET** and Desai S. “Physician responses to price shocks: Evidence from low-income Medicare beneficiaries.” (Under review at *American Journal of Health Economics*.)
3. **Roberts ET**, Glynn A*, Cornelio N, Donohue JM, Gellad WF, McWilliams JM, and Sabik LM. “Association of cost sharing with out-of-pocket spending, health care use, and health among near-poor Medicare beneficiaries: evidence from a Medicaid coverage cliff.” (Under review at *Annals of Internal Medicine*.)
4. **Roberts ET**, Song Z, Ding L, and McWilliams JM. “Public reporting and measure selection in a pay-for-performance program: Implications for the Merit-Based Incentive Payment System.”
5. Patterson A* and **Roberts ET**. “Association of Medicaid expansions with changes in racial and ethnic disparities in cancer screening among low-income women.”
6. Glynn A*, Hernandez I, and **Roberts ET**. “Prescription Drug Subsidies for Low-Income Diabetics: Effects on Medication Use and Health.”
7. Cornelio N*, McInerney M, Mellor J, **Roberts ET**, and Sabik LM. “Medicaid asset limits for low-income Medicare beneficiaries: trends and alternative policy options.”
8. Tipirneni R, **Roberts ET**, Levy HG, Karmakar M, and Ayanian JZ. “Association of Medicaid expansions with use of care and health among low-income adults after age 65.”
9. **Roberts ET**, Liebers DT, Fried JE, Sabik LM, and Desai S. “Changes in the financial performance of rural U.S. hospitals after COVID-19.”
10. Khouja T *, Donohue JM, Burgette J, and **Roberts ET**. “Dental care spending and utilization among near-poor Medicare beneficiaries: consequences of a Medicaid coverage cliff.”

* Denotes work with a student/mentee.

COMMENTARIES, EDITORIALS, & PERSPECTIVES

1. Fried JE, Liebers DT, and **Roberts ET** (2020). “Sustaining Rural Hospitals After COVID-19: The Case for Global Budgets.” *JAMA* 324(2):137–138.
2. Rathi VK, McWilliams JM, and **Roberts ET** (2020). “Getting Incentives Right in Payment Reform: Thinking Beyond Financial Risk.” *Annals of Internal Medicine* 172(6): 423-4.
3. Desai S and **Roberts ET** (2020). “Leveraging natural experiments to evaluate interventions in learning health systems.” *BMJ Quality & Safety* (doi:10.1136/bmjqs-2019-010757).
4. **Roberts ET** (2019). “Debate-Commentary: Response to ‘The effects of global budget payments on hospital utilization in rural Maryland’ ” *Health Services Research* 54:523-525.

OTHER MANUSCRIPTS

1. Cole EC, **Roberts ET**, Hollander M, et al. (2019). “Permanent Supportive Housing and Medicaid Utilization and Spending in Pennsylvania: Matched Comparison Analysis.” Report prepared for the Pennsylvania Department of Human Services.
2. Cole EC, **Roberts ET**, Donohue JM, et al. (2019). “Permanent Supportive Housing and Medicaid Utilization and Spending in Pennsylvania: Adjusted Utilization Analysis.” Report prepared for the Pennsylvania Department of Human Services.
3. Cole EC, **Roberts ET**, Donohue JM, et al. (2018). “Permanent Supportive Housing and Medicaid Utilization and Spending in Pennsylvania: Descriptive Utilization Analysis.” Report prepared for the Pennsylvania Department of Human Services.

4. Cole EC, **Roberts ET**, Donohue JM, et al. (2018). “Permanent Supportive Housing and Medicaid Utilization and Spending in Pennsylvania: Demographic and Health Profile Analysis.” Report prepared for the Pennsylvania Department of Human Services.
5. **Roberts ET** (2015). “Trends in Health Care Spending Among Pregnant Women in the United States: An Analysis using the Medical Expenditure Panel Survey.” Report prepared for Arnold Milstein and Stanford University School of Medicine.
6. **Roberts ET** and Anderson GF (2015). “Identifying High-Cost and High-Need Patients” Research brief prepared for the Commonwealth Fund.
7. Gaskin DJ and **Roberts ET** (2012). “Poverty, Health and Healthcare.” in Jefferson (Ed.), *The Oxford Handbook of the Economics of Poverty*. New York: Oxford University Press.

INVITED PRESENTATIONS

1. “Effects of cost sharing among low-income Medicare beneficiaries: Evidence from a Medicaid coverage cliff,” Brown University Department of Health Services, Policy and Practice Research Seminar (October 21, 2020).
2. “Medicaid and Prescription Drug Subsidies for Low-Income Medicare Beneficiaries: Determinants of take-up and effects on health care use,” University of Pittsburgh Geriatric Division Conference oral presentation (July 31, 2020).
3. “Consequences of health insurance cost sharing among low-income Medicare beneficiaries: Evidence from a Medicaid benefit cliff.” AcademyHealth Annual Research Meeting oral presentation (recorded online, July 2020).
4. “Association between Cognitive Limitations and Enrollment in the Medicare Savings Programs.” AcademyHealth Annual Research Meeting oral presentation (recorded online, July 2020).
5. “Physician responses to price shocks: Evidence from low-income Medicare beneficiaries.” ASHEcon research conference oral presentation (recorded online, June 2020).
6. “Physician responses to price shocks: Evidence from low-income Medicare beneficiaries.” University of Southern California Gehr Center Research Seminar (July 13, 2020).
7. “State Variation in the Characteristics of Medicare-Medicaid Dual Enrollees: Implications for Risk Adjustment.” ASHEcon research conference oral presentation (June 2019).
8. “Association of State Policies with Medicaid Disenrollment Among Low-Income Medicare Beneficiaries.” ASHEcon research conference oral presentation (June 2019).
9. “Association of State Policies with Medicaid Disenrollment Among Low-Income Medicare Beneficiaries.” AcademyHealth Annual Research Meeting oral presentation (June 2019). (*Best of AcademyHealth 2019*).
10. “Improving Risk Adjustment for Payment: Evidence and Policy Considerations.” Invited presentation to the National ACO, Bundled Payment, and MACRA Summit (June 2019).
11. “Risk Adjustment of Hospital Readmission Rates for Patient Characteristics: Implications for Pay-for-Performance.” Gerontological Society Annual Scientific Meeting presidential seminar panel presentation (November 2018).
12. “The Value-Based Payment Modifier: Program Outcomes and Implications for Disparities.” AcademyHealth Annual Research Meeting oral presentation (June 2018). (*AcademyHealth 2018 paper of the year*).
13. “Risk Adjustment of Hospital Readmission Rates for Patient Characteristics: Implications for Pay-for-Performance.” AcademyHealth Annual Research Meeting oral presentation (June 2018).

14. "Impacts of Hospital Global Budgets on Utilization of Care: Evidence from Maryland." AcademyHealth Annual Research Meeting oral presentation (June 2018).
15. "Risk Adjustment in Pay-for-Performance Programs: Implications for providers serving socially and clinically vulnerable patients." ASHEcon research conference oral presentation (June 2018).
16. "Association of Health Care Prices with Physicians' Quality and Efficiency of Care." ASHEcon research conference oral presentation (June 2018).
17. "Impacts of Hospital Global Budgets on Utilization of Care: Evidence from Maryland." ASHEcon research conference oral presentation (June 2018).
18. "Impacts of Hospital Global Budgets on Utilization of Care: Evidence from Maryland." Invited oral presentation to the National ACO, Bundled Payment, and MACRA Summit (June 2018).
19. "The Value-Based Payment Modifier: Program Outcomes and Implications for Disparities." University of Pittsburgh Center for Research on Health Care seminar (May 2018).
20. "The Value-Based Payment Modifier: Program Outcomes and Implications for Disparities." ZurickDavis online webinar (March 2018).
21. "Risk Adjustment in Pay-for-Performance Programs: Implications for providers serving clinically and socially disadvantaged patients." University of Pittsburgh Graduate School of Public Health 70th anniversary research seminar (March 2018).
22. "The Value-Based Payment Modifier: Program Outcomes and Implications for Disparities." University of Pittsburgh Epidemiology of Aging Research Seminar (January 2018).
23. "The Value-Based Payment Modifier: Program Outcomes and Implications for Disparities." Harvard Medical School Healthcare Markets and Regulation Lab seminar (December 2017).
24. "Changes in Health Care Use Associated with the Introduction of Hospital Global Budgets in Maryland." Commonwealth Fund board presentation (September 2017).
25. "Association of Health Care Prices with Physicians' Quality and Efficiency of Care." Catalyst for Payment Reform online seminar (September 2017).
26. "Changes in Health Care Use Associated with the Introduction of Hospital Global Budgets in Maryland." International Health Economics Association oral presentation (July 2017).
27. "High Cost and High Need Patients: An Analysis Using the Medical Expenditure Panel Survey," Commonwealth Fund board presentation (June 2014).
28. "Cost-Effectiveness of Coronary Artery Calcium Screening for Coronary Heart Disease Risk Prediction: The Multi-Ethnic Study of Atherosclerosis (MESA)," Johns Hopkins Hospital Cardiovascular Research Retreat oral presentation (June 2014).

GRANTS AND CONTRACTS

1. \$30,350 (Co-Principal Investigator, with Leslie P. Scheunemann; no effort taken). "Association of Social Determinants of Health with Mortality, Functional Status, and Healthcare Utilization Among Older Adults Who Survive Critical Illness." University of Pittsburgh Pepper Older Americans Independence Center (P30 AG024827), August 1, 2020-July 31, 2021.
2. \$18,000 (Co-Principal Investigator, with Inmaculada Hernandez; no effort taken). "Evaluating Prescription Drug Subsidies for Low-Income Diabetics: Effects on Medication Adherence and Health Outcomes." University of Pittsburgh Research Momentum Funds grant, July 1, 2020-June 30, 2021.
3. \$30,000 (Co-Principal Investigator, with Walid Gellad; 5% effort). "Understanding the Impacts of Choice on Veterans' Care: Assembling novel data for a quasi-experimental evaluation." Veterans Administration Center for Health Equity Research and Promotion / Health Services Research & Development (VA CHERP HSR&D), October 1, 2019-September 30, 2020.

- *Supplemental funding* (\$10,000). “Medication use and unsafe opioid prescribing among Veterans receiving community care through Mission and Choice: preliminary analyses for a quasi-experimental evaluation of community care in VA.” VA CHERP HSR&D, October 1, 2020-December 31, 2020.
4. \$554,728 (Principal Investigator, 75% effort). “Financial assistance for low-income Medicare beneficiaries: Using natural experiments to assess effects on care and health outcomes.” Agency for Healthcare Research and Quality (AHRQ) Career Development Award 1K01 HS26727-01, March 2019-March 2023.
 5. \$25,000 (Principal Investigator, 5% effort). “States’ Medicaid payment policies for dual eligibles: Assembling new data to support policy analysis.” Commonwealth Fund Grant # 20191988, January 2019-January 2020.
 6. \$25,000 (Principal Investigator, pilot funding for data, no effort taken). “Study of the association of financial subsidies in the Medicare Savings and Part D Low-Income Subsidy Programs with low-income Medicare beneficiaries’ use of preventive care, medication adherence, and health status.” University of Pittsburgh Pepper Older Americans Independence Center (P30 AG024827), January 2018-January 2019.
 7. \$235,891 (Co-Principal Investigator, with Ateev Mehrotra; 35% effort). “Impact of Maryland’s Hospital Global Budgets on Utilization, Quality, and Spending.” Commonwealth Fund. April 2016-December 2017.
 8. \$30,000 (Dissertation Support). Jayne Koskinas Ted Giovanis Foundation for Health and Policy. February 2014-March 2015.
 9. \$35,000 (Co-Investigator; PI: Gerard Anderson). “Describing the health care use and spending of high-cost and high-need patients using the Medical Expenditure Panel Survey.” Commonwealth Fund, February 2014-October 2014.

AWARDS & FELLOWSHIPS

1. Best of AcademyHealth Annual Research Meeting for *Health Affairs* article, “Association of State Policies with Medicaid Disenrollment among Low-Income Medicare Beneficiaries” (2019).
2. Outstanding reviewer recognition for *Annals of Internal Medicine* (2019).
3. AcademyHealth Paper of the Year for *Annals of Internal Medicine* article, “The Value-Based Payment Modifier: Program Outcomes and Implications for Disparities” (2018).
4. Top 10 most influential *Health Affairs* article of 2017 for article, “High-Price and Low-Price Physician Practices Do Not Differ Significantly on Care Quality or Efficiency” (2017).
5. Honorable Mention for Association for Public Policy Analysis & Management Dissertation Award (2016).
6. *Medical Care Research and Review* article of the year, “A Forecast of Primary Care Use in the Medicaid Expansion Population: Evidence for Providers and Policymakers” (2016).
7. Hospital Cost and Utilization Project 2013 Article of the Year Honorable Mention (2014).
8. Stanley L. Blumenthal Prize for Cardiovascular Care Research (2014).
9. Hal R. Cohen Blue Cross Scholarship for Health Economics (2013).
10. AHRQ T32 National Research Service Award (2010-2012).
11. Graduated Phi Beta Kappa from Johns Hopkins University (2008).
12. Nominated for best undergraduate history thesis, “The Origins of Public Housing for African Americans in Baltimore: 1937-1945” (2007).
13. National Merit Scholar Finalist (2004).

TEACHING

Instructor for:

- Econometrics (3 credits, University of Pittsburgh, spring 2019 –)
- Advanced Readings in Health Insurance & Health Economics (1 credit, University of Pittsburgh, fall 2020)
- Doctoral Research & Professional Development Seminar (2 credits, University of Pittsburgh, fall and spring semesters 2018 –)
- Introduction to Economic Evaluation (3 credits, Johns Hopkins University, spring 2015 and 2016)

Guest lecturer for:

- Introduction to Research on Disparities in Health Care (University of Pittsburgh), “The Affordable Care Act, Current Court Challenges, and Implications for Disparities.” (October 26, 2020).
- Introduction to Health Policy (University of Pittsburgh), “Should we—and how should we—adjust for social risk factors in pay-for-performance programs?” (February 4, 2020; September 7, 2020).
- Health Economics (University of Pittsburgh), 3 guest lectures on health insurance, provider payment, and risk adjustment. (Spring semesters, 2020-21).
- University of Pittsburgh School of Medicine guest lecture. “Hospital Prices, Payment, and Regulatory Approaches to Address Cost Growth.” (April 30, 2019).
- Introduction to Research on Disparities in Health Care (University of Pittsburgh), “Should we—and how should we—adjust for social risk factors in pay-for-performance programs?” (November 5, 2018).

Teaching Assistant for:

- Health Economics I (Dr. Doug Hough), 2013 and 2014 (lead)
- Introduction to Microeconomics (Dr. Alan Sorkin), 2011 and 2012
- Mathematical Microeconomics (Dr. John Bridges), 2013
- Economics of Obesity (Dr. Kevin Frick), Summer 2012
- Economic Evaluation I (Dr. Kevin Frick), 2011 and 2012 (lead)
- Economic Evaluation II (Dr. Dagna Constenla), 2013

STUDENTS SUPERVISED

- Doctoral
 - Tumader Khouja (PhD awarded 2020; Postdoc: University of Pittsburgh Center for Pharmaceutical Prescribing and Policy)
 - Mara Hollander (PhD awarded 2020; Postdoc: Johns Hopkins Bloomberg School of Public Health)
 - Alexandra Glynn (PhD expected 2024)
- Master’s
 - Anna Patterson (MPH degree, 2020-21)
 - Alvaro San-Juan Rodriguez (MS degree, 2019-20)
 - Mary Kate Duncan (MHA degree, 2019-20)

- Madison Royer (MPH degree, 2019-21)
- Kevin Stoner (MPH degree, 2018-19)
- Pia Nicole Blake (MPH degree, 2018-19)

ACADEMIC SERVICE & ACTIVITIES

- *Ad hoc* journal reviewer for: JAMA, JAMA Internal Medicine, Annals of Internal Medicine, Journal of General Internal Medicine, the BMJ, Health Affairs, Journal of Health Economics, American Journal of Managed Care, Health Services Research, Medical Care, Medical Care Research & Review, Inquiry, Journal of General Internal Medicine, Preventive Medicine Reports, Health Services Outcomes & Research Methodology, Nicotine and Tobacco Research.
- External service:
 - Agency for Healthcare Research and Quality, Healthcare Effectiveness and Outcomes Research study section (*ad hoc* member, October 2020)
 - AcademyHealth Health Economics Interest Group (member, 2019-21; secretary, 2020-21)
 - Ad-hoc community advisory board member for WESA-FM (Pittsburgh, PA) coverage of health care policy (2018)
 - Advisor to the Low-Income Investment Fund for economic modeling related to housing opportunity social impact bonds (2014-2015)
- Internal service:
 - University of Pittsburgh Health Policy and Management doctoral committee (2018-)
 - Content lead for analysis of employment sector impacts of the opioid crisis, Pennsylvania Opioid Dashboard (2018-2020)
 - *Ad hoc* statistical advisor, MORDN data methods core (2019)
 - Grant reviewer, University of Pittsburgh Momentum Funds program (2019)
 - Committee for establishing a Pittsburgh branch of the US Census Bureau's Research Data Center (2019)
 - JHU Health Economics Faculty Search Committee Member (2013)

PROFESSIONAL EXPERIENCE

- Research Assistant, Center for Hospital Finance & Management,
Bloomberg School of Public Health, Baltimore, MD** 2011-2014
- Consultant through a research grant arranged between the Johns Hopkins Bloomberg School of Public Health and American International Group to analyze health data
 - Conducted analyses of spending trends for AIG's worker's compensation insurance programs, and of the effectiveness of clinical guidelines in reducing lost work time
- Analyst, Citigroup Global Markets Inc., New York, NY** 2008-2010
- Analyst in Citigroup's Municipal Securities Division
 - Junior investment banker for the New York State Dormitory Authority, the New York State Thruway Authority, the City of New York, and the State of Ohio

Revised October 24, 2020.