

CURRICULUM VITAE

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EDUCATION AND EMPLOYMENT HISTORY

Education

2002	Ph.D.	Health Policy	Harvard University
1995	Sc.M.	Public Health	Harvard School of Public Health
1987	A.B.	History (magna cum laude)	Brown University

Post-Doctoral Training

2002-2003	Post-Doctoral Research Fellow	In Health Policy and Health Services Research, at Harvard Medical School and Harvard Pilgrim Health Care, Dept of Ambulatory Care & Prevention (now Dept of Population Medicine)
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Faculty Academic Appointments

2015-present	Associate Professor	Department of Pharmacy and Health Systems Sciences, School of Pharmacy and Pharmaceutical Sciences, Bouvé College of Health Sciences, Northeastern University
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2016-present	Lecturer	Department of Population Medicine, Harvard Medical School and Harvard Pilgrim Health Care Institute
2003-2016	Instructor	Department of Population Medicine, Harvard Medical School and Harvard Pilgrim Health Care Institute

Other Professional Positions

2002-2003	Post-Doctoral Research Fellow	Harvard Med School & Harvard Pilgrim Health Care, Dept of Ambulatory Care & Prevention (now Dept of Population Medicine)
2000	Facilitator, Consultant, Grant Reviewer	Harvard Institute for International Development
1998-2002	Research Project Director	Harvard Med School & Harvard Pilgrim Health Care, Dept of Ambulatory Care & Prevention (now Dept of Population Medicine)
1997-1998	Research Associate	Harvard Med School & Harvard Pilgrim Health Care, Dept of Ambulatory Care & Prevention (now Dept of Population Medicine)
1997-1998	Research Associate	Harvard Medical School, Department of Health Care Policy
1997-1998	Research Associate	Harvard Medical School, Department of Health Care Policy
1996	Research Specialist	Harvard School of Public Health, Program in Health Care Finance
1995	Consultant	Harvard Institute for International Development
1995	Case Writer	Harvard Institute for International Development
1994	Research Analyst	Management Sciences for Health
1990-1993	Senior Program Assistant	Management Sciences for Health: Drug Management Program

Honors and Prizes

2018-present	Rho Chi Member	Rho Chi National Honor Society
2018-present	Health Equity Fellow & Scholar	Institute for Health Equity and Social Justice Research, Northeastern University
2018-present	Faculty Affiliate	Global Resilience Institute, Northeastern University
2017-present	Faculty Scholar	Tufts Clinical & Translational Science Institute
2015-present	Faculty Associate	Center for Health Policy and Healthcare Research, Northeastern University
2006-2007	Robert H. Ebert Fellowship Award	Harvard Medical School
2003	Article Selected as DACP's Contribution to HMS Time Capsule	Harvard Medical School
2003	Most Outstanding Abstract, Child Health	AcademyHealth Annual Meeting
2002-2003	Helmut Schumann Fellowship Award	Harvard Medical School
1998-1999	Thomas O. Pyle Fellowship Award	Harvard Medical School
1997-1998	Foreign Language and Areas Studied Award (Spanish)	United States Government
1996-1997	Training Grant	Agency for Health Care Policy and Research, United States Government
1993-1994	Scholarship Award	Harvard School of Public Health

REPORT OF SCHOLARSHIP AND RESEARCH

“*” indicates Northeastern University student author

MyBibliography: <https://www.ncbi.nlm.nih.gov/myncbi/1diXzv-Qxo05W/bibliography/public/>

Refereed Articles

1. Soumerai SB, Koppel R, Naci H, **Madden JM**, Fry A, Halbisen A, Angeles J, Koppel J, Rubin R, Lu CY. Intended and Unintended Outcomes after FDA Pediatric Antidepressant Warnings: A Systematic Review. *Health Affairs*, 2024, 43(10):1360-1369.
2. Bamgbade BA, McManus DD, Briesacher BA, Lessard D, Mehawej J, Gurwitz JH, Tisminetzky M, Mujumdar S*, Wang W, Malihot T, Abu HO, Waring M, Sogade F, **Madden JM**, Pierre-Louis IC*, Helm R, Goldberg R, Kramer AF, Saczynski JS. Medication cost-reducing behaviors in older adults with atrial fibrillation: The SAGE-AF Study. *Journal of the American Pharmacists Association*, 2023,63(1):125-134.
3. Lu CY, Zhang F, Wallace J, LeCates R, Busch AB, **Madden JM**, Callahan MX, Foxworth P, Soumerai SB, Ross-Degnan D, Wharam JF. High-deductible health plans paired with health-savings accounts increased medication cost burden among individuals with bipolar disorder. *Journal of Clinical Psychiatry*, 2022, 83(2), p.40022.
4. **Madden JM**, Bayapureddy S*, Briesacher BA, Zhang F, Ross-Degnan D, Soumerai SB, Gurwitz JH, Galbraith AA. Affordability of Medical Care Among Medicare Enrollees. *JAMA Health Forum*, 2021, 2(12), pp. e214104-e214104.
5. Lu CY, Busch AB, Zhang F, **Madden JM**, Callahan MX, LeCates R, Wallace J, Foxworth P, Soumerai SB, Ross-Degnan D, Wharam JF. Impact of high-deductible health plans on medication use among individuals with bipolar disorder. *Psychiatric Services*, 2021, 72(8), pp.926-934.
6. Wharam JF, Wallace J, LeCates R, **Madden JM**, Zhang F, Ross-Degnan D, Lu CY. Out-of-pocket spending inequity among high-deductible health plan members with bipolar disorder. *Journal of General Internal Medicine*, online April 2021.
7. **Madden JM**, Araujo-Lane C, Foxworth P, Lu CY, Wharam JF, Busch AB, Callahan MX, Soumerai SB, Ross-Degnan R. Healthcare cost-sharing experiences of people with bipolar disorder in employer plans. *Journal of Affective Disorders*, 2021, 281, pp.41-50.
8. Nekui F*, Soumerai SB, Galbraith AA, Briesacher BA, Zhang F, Ross-Degnan D, Gurwitz JH, **Madden JM**. Cost-related medication nonadherence and its risk factors among Medicare beneficiaries. *Medical Care*, 2021, 59(1), pp.13-21.
9. **Madden JM**, Foxworth P, Ross-Degnan D, Allen K, Busch AB, Callahan MX, Lu CY, Wharam JF. Integrating stakeholder engagement with claims-based research on health insurance design and bipolar disorder. *Psychiatric Services*, 2021, 72(2), pp.186-194.
10. Wharam JF, Busch AB, **Madden JM**, Zhang F, Callahan MX, LeCates R, Foxworth P, Wallace J, Soumerai SB, Ross-Degnan D, Lu CY. Effect of high-deductible insurance on mental health outpatient care in bipolar disorder. *American Journal of Managed Care*, 2020, 26(6), pp.248-255.

11. **Madden JM**, Shetty PS*, Briesacher BA, Zhang F, Ross-Degnan D, Soumerai SB, Gurwitz JH, Galbraith AA. Risk factors associated with food insecurity in the Medicare population. *JAMA Internal Medicine*, 2020, 180(1), pp.144-147.
12. Lu CY, Penfold RB, Toh D, Sturtevant JL, **Madden JM**, Simon G, Ahmedani BK, Clarke G, Coleman KJ, Copeland LA, Daida YG, Davis R, Hunkeler E, Owen-Smith AA, Raebel MA, Rossom R, Soumerai SB, Kulldorff M. Near real-time surveillance for the early detection of health outcomes of FDA warnings using sequential analysis. *Medical Care*, 2018, 56(5), pp.365-372.
13. Adams AS, **Madden JM**, Zhang F, Lu CY, Ross-Degnan D, Lee A, Soumerai SB, Gilden DM, Chawla N, Griggs JJ. Effects of transitioning to Medicare Part D on access to drugs for medical conditions among dual enrollees with cancer. *Value in Health*, 2017, 20(10), pp.1345-1354.
14. **Madden JM**, Lakoma MD, Lynch FL, Rusinak D, Owen-Smith AA, Coleman KJ, Quinn VP, Yau VM, Qian YX, Croen LA. Psychotropic medication use among insured children with autism spectrum disorder. *Journal of Autism and Developmental Disorders*, 2017, 47(1), pp. 144–154.
15. **Madden JM**, Lakoma MD, Rusinak D, Lu CY and Soumerai, S.B., 2016. Missing clinical and behavioral health data in a large electronic health record (EHR) system. *Journal of the American Medical Informatics Association*, 2016, 23(3), pp. 1143–1149.
16. Burns ME, Huskamp HA, Smith JC, **Madden JM**, Soumerai SB. The effects of the transition from Medicaid to Medicare on health care use for adults with mental illness. *Medical Care*, 2016, 54(9) pp. 868–877.
17. Cummings JR, Lynch FL, Rust KC, Coleman KJ, **Madden JM**, Owen-Smith AA, Yau VM, Qian YX, Pearson KA, Crawford PM, Massolo ML, Quinn VP, Croen LA. Health services utilization among children with and without autism spectrum disorders. *Journal of Autism and Developmental Disorders*, 2016, 46(3), pp.910-920.
18. Briesacher BA, **Madden JM**, Zhang F, Fouayzi H, Ross-Degnan D, Gurwitz JH, Soumerai SB. Did Medicare Part D affect national trends in health outcomes or hospitalizations?: A time-series analysis. *Annals of Internal Medicine*, 2015, 162(12), pp.825-833.
19. Coleman KJ, Lutsky MA, Yau V, Qian Y, Pomichowski ME, Crawford PM, Lynch FL, **Madden JM**, Owen-Smith A, Pearson JA, Pearson KA, Rusinak D, Quinn VP, Croen LA. Validation of autism spectrum disorder diagnoses in large healthcare systems with electronic medical records. *Journal of Autism and Developmental Disorders*, 2015, 45(7), pp.1989-1996.
20. Adams AS, Soumerai SB, Zhang F, Gilden DM, Burns ME, Huskamp HA, Trinacty CM, Alegria M, Lecates RF, Griggs J, Ross-Degnan D, **Madden JM**. Effects of eliminating drug caps on racial differences in antidepressant use among dual enrollees with diabetes and depression. *Clinical Therapeutics*, 2015, 37(3), pp.597-609.
21. **Madden JM**, Adams AS, LeCates RF, Ross-Degnan D, Zhang F, Huskamp HA, Gilden DM, Soumerai SB. Changes in drug coverage generosity and untreated serious mental illness: Transitioning From Medicaid to Medicare Part D. *JAMA Psychiatry*, 2015;72(2):179-188.

22. Naci H, Soumerai SB, Ross-Degnan D, Zhang F, Briesacher BA, Gurwitz JH, **Madden JM**. Persistent medication affordability problems among disabled Medicare beneficiaries, 2006-2011. *Medical Care*, 2014, 52(11): 951-6.
23. Naci H, Soumerai SB, Ross-Degnan D, Zhang F, Briesacher BA, Gurwitz JH, **Madden JM**. Medication affordability gains following Medicare Part D are eroding among elderly with multiple chronic conditions. *Health Affairs*, 2014, 33(8): 1435-43.
24. Lu CY, Zhang F, Lakoma MD, **Madden JM**, Rusinak D, Penfold RB, Simon G, Ahmedani BK, Clarke G, Hunkeler E, Waitzfelder B, Owen-Smith A, Raebel MA, Rossom R, Coleman KJ, Copeland LA, Soumerai SB. Changes in youth antidepressant use and suicidal behavior following FDA warnings and media coverage. *British Medical Journal*, 2014; 348: g3596.
25. Adams AS, **Madden JM**, Zhang F, Soumerai SB, Gilden D, Griggs J, Trinacty CM, Bishop C, Ross-Degnan D. Changes in use of lipid-lowering medications among black and white dual enrollees with diabetes transitioning from medicaid to Medicare Part D drug coverage. *Medical Care*, 2014, 52(8): 695-703.
26. Burns ME, Busch AB, **Madden JM**, LeCates R, Zhang F, Adams AS, Ross-Degnan D, Soumerai SB, Huskamp HA. Effects of Medicare Part D on guideline-concordant pharmacotherapy for bipolar I disorder among dual beneficiaries. *Psychiatric Services*, 2014, 65(3), pp. 323-329.
27. Lu CY, Stewart C, Ahmed AT, Ahmedani BK, Coleman K, Copeland LA, Hunkeler E, Lakoma MD, **Madden JM**, Penfold RB, Rusinak D. How complete are E-codes in commercial plan claims databases? *Pharmacoepidemiology and Drug Safety*, 2014, 23(2), p.218.
28. Penfold RB, Stewart C, Hunkeler EM, **Madden JM**, Cummings JR, Owen-Smith AA, Rossom RC, Lu CY, Lynch FL, Waitzfelder BE, Coleman KJ, Ahmedani BK, Beck AL, Zeber JE, Simon GE. Use of antipsychotic medications in pediatric populations: What do the data say? *Current Psychiatry Reports*, 2013, 15:426
29. Blanchard J, **Madden JM**, Ross-Degnan D, Soumerai SB. The relationship between emergency department use and cost-related medication nonadherence among Medicare beneficiaries. *Annals of Emergency Medicine*, 2013, 62(5), pp. 475-485.
30. Harrold L, Briesacher B, Peterson D, Beard A, **Madden JM**, Zhang F, Gurwitz J, Soumerai S. Cost-related medication nonadherence in older patients with rheumatoid arthritis. *Journal of Rheumatology*, 2013, 40(2), pp 137-143.
31. Nekhlyudov L, **Madden JM**, Graves AJ, Zhang F, Soumerai SB, Ross-Degnan D. Cost-related medication nonadherence and cost-saving strategies used by elderly Medicare cancer survivors. *Journal of Cancer Survivorship*, 2011;5(4), pp. 395-404.
32. Briesacher BA, Zhao Y, **Madden JM**, Zhang F, Adams AS, Tjia J, Ross-Degnan D, Gurwitz JH, Soumerai S. Medicare Part D and changes in prescription drug use and cost burden: National estimates for the Medicare population, 2000-2007. *Medical Care*, 2011, 49(9) pp. 834-841.

33. Sawicki GS, Vilks Y, Schatz MX, Kleinman K, Abrams A, **Madden JM**. Uncontrolled asthma in a commercially insured population from 2002 to 2007: Trends, predictors, and costs. *Journal of Asthma*. 2010, 47(5), pp. 574-80.
34. **Madden JM**, Meza E, Ewen M, Laing RO, Stephens P, Ross-Degnan D. Measuring medicine prices in Peru: validation of key aspects of WHO/HAI survey methodology. *Pan-American Journal of Public Health*. 2010, 27(4), pp. 291-9.
35. Zivin K, **Madden JM**, Graves AJ, Zhang F, Soumerai SB. Cost-related medication nonadherence among beneficiaries with depression following Medicare Part D. *American Journal of Geriatric Psychiatry*, 2009, 17(12), pp. 1068-76.
36. **Madden JM**, Graves AJ, Ross-Degnan D, Briesacher B, Zhang F, Adams AS, Gurwitz JH, Adler GS, Soumerai SB. Cost-related medication nonadherence after implementation of Medicare Part D 2006-2007. *Journal of the American Medical Association*, 2009, 302(16), pp. 1755-6.
37. **Madden JM**, Graves AJ, Zhang F, Adams AS, Briesacher BA, Ross-Degnan D, Gurwitz JH, Pierre-Jacques M, Safran DG, Adler GS, Soumerai SB. Cost-related medication nonadherence and spending on basic needs following implementation of Medicare Part D. *Journal of the American Medical Association*, 2008, 299(16), pp 1922-1928.
38. **Madden JM**, Soumerai SB, Lieu TA, Mandl KD, Zhang F, Ross-Degnan D. Length-of-stay policies and ascertainment of postdischarge problems in newborns. *Pediatrics*, 2004, (113) pp 42-49.
39. Sinha A, **Madden JM**, Ross-Degnan D, Soumerai SB, Platt R. Reduced risk of neonatal respiratory infections among breastfed girls but not boys. *Pediatrics*, 2003, 112(4), pp. e303-e308.
40. **Madden JM**, Soumerai SB, Lieu TA, Mandl KD, Zhang F, Ross-Degnan D. Effects on breastfeeding of changes in maternity length-of-stay policy in a large health maintenance organization. *Pediatrics*, 2003, 111(3), pp. 519-24.
41. **Madden JM**, Soumerai SB, Lieu TA, Mandl KD, Zhang F, Ross-Degnan D. Effects of a law against early postpartum discharge on newborn follow-up, adverse events, and HMO expenditures. *New England Journal of Medicine*, 2002, 347(25), pp. 2031-8.
42. **Madden JM**, Quick JD, Ross-Degnan D, Kafle KK. Undercover careseekers: Simulated clients in the study of health provider behavior in developing countries. *Social Science and Medicine*, 1997, 45(10), pp. 1465-82.
43. Kafle KK, **Madden JM**, Shrestha AD, Karkee SB, Das PL, Pradhan YM, Quick JD. Can licensed drug sellers contribute to safe motherhood? A survey of the treatment of pregnancy-related anaemia in Nepal. *Social Science and Medicine*, 1996, 42(11), pp. 1577-88.

Non-Refereed Articles

1. **Madden JM**. Three Decades of Drug Cap Studies Are Enough (invited commentary). *JAMA Health Forum*, 2021, 2(6), p. e211249.
2. **Madden JM**. Basic results that the WHO/HAI survey offers country-level investigators. *Essential Drugs Monitor*, 2003, (33), pp. 15-16.

3. **Madden JM**, Kotwani A. Availability of essential medicines: an example from Rajasthan, India. *Essential Drugs Monitor*, 2003, (33), p.17.
4. **Madden JM**, Balasubramaniam K, Kibwage I. Components of patient prices: examples from Sri Lanka and Kenya. *Essential Drugs Monitor*. 2003, (33), p.18.
5. **Madden JM**. Comparing pilot survey results from different countries. *Essential Drugs Monitor*, 2003, (33), pp.19-20.

Abstracts (Selected)

“*” indicates Northeastern University student author

1. **Madden JM**, Alon D, Burnett A, Zhang F, Baker O, Yu H, Stein B. Decreased Use of Antipsychotics among Insured Children with Autism Diagnosis 2007-2021. Poster presentation at American Academy of Child and Adolescent Psychiatry (AACAP), October, 2025.
2. **Madden JM**, Alon D, Burnett A, Zhang F, Baker O, Yu H, Stein B. Reductions in Antipsychotics Use among Privately Insured Children with Autism Diagnosis 2007-2021. Poster presentation at AcademyHealth Annual Research Meeting, June 2025.
3. Yu H, Baker O, **Madden JM**, Halbisen A, Zhang F, Stein B. Generosity of State Autism Insurance Mandates and Healthcare Spending for Children with Autism. Podium presentation at AcademyHealth Annual Research Meeting, June 2025.
4. Satishkumar S, Brijlall K, **Madden JM**. The FDA's Role in Ensuring AI's Benefits and Risks in Personalized Medicine. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2025.
5. Na M, **Madden JM**. The Effects of Climate Change and Natural Disasters in Pharmacy Deserts. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2025.
6. Zhou C, Li C, Chen B, **Madden JM**. The Role of Healthcare Education in Student Decision-Making about Self-Diagnosis and Self-Treatment. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2025.
7. Burke J, Hubert M, Sloma N, **Madden JM**. The Road to FDA Approval of Opill and Its Impact on Contraception. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2025.
8. Yoon J., **Madden JM**. Addressing Perinatal Care Gaps: Bundled Trimester-Specific Supplements for Healthy Pregnancies. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2025.
9. Grullon I, Corbitt E, Ta M, Kanu J, Corona D, **Madden, JM**. Addressing GLP-1 Affordability and Safety: A Call for Policy Reform. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2025.
10. **Madden JM**, Raza SMZ*, Zhang F, Ross-Degnan D, Gurwitz JH, Briesacher BA, Busch AB. Unmet Need for Mental Health Care among Medicare Beneficiaries Under Age 65 with Disability. Poster presentation at AcademyHealth Annual Research Meeting. June 2024.

11. **Madden JM**, Raza SMZ*, Zhang F, Ross-Degnan D, Gurwitz JH, Briesacher BA, Busch AB. Mental Health Care Needs and Care Usage among Older Medicare Beneficiaries. Poster presentation at AcademyHealth Annual Research Meeting. June 2024.
12. Kwun JE*, Oh L*, Shin W*, Yeung V*, **Madden JM**. Unlocking the Pharmacy World: Comparing Pharmacists' Roles Internationally and in the US. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2024.
13. Yu J*, **Madden JM**. Primary and Secondary Prevention of Alzheimer's. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2024.
14. Chan N*, Chen K*, **Madden JM**. The Impact of Restrictive Insurance Formularies on Medication Adherence for Diabetes Patients. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2024.
15. Hwang T*, Lam M*, Liebler A*; **Madden JM**. Impacts of Pharmacy-Led Transitions of Care Services at Point of Hospital Discharge. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2024.
16. Mojahedyazdi H*, Rahimi R*, Sikandar S*, **Madden JM**. The Role of Pharmacists in Promoting Colorectal Cancer Screening among Younger Adults. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2024.
17. Lee H*, Cha E*, Song G*, **Madden JM**. Navigating the Semaglutide (Ozempic) Shortage: Impact on Patients, Policy, and Healthcare Systems. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2024.
18. Rosebraugh S*, Cheng K*, Reardon G*, **Madden JM**. A Review and Analysis of Antiepileptic Drug Switching between Brand and Generic. Poster presentation American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting, Dec 2023. (Also presented at NU's RISE in April 2023.)
19. Kolia S*, Shang J*, Mustafa H*, **Madden JM**. Impact of Meds-to-Beds Programs on Prescription Affordability and Accessibility. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2023.
20. Rossi Fortunati J*, Hosain R*, Taziva K*, **Madden JM**. How Language Barriers Affect Patient Experiences and Health Outcomes in Outpatient Pharmacy Setting. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2023.
21. Jung C*, Kim A*, Myung Y*, **Madden JM**. Differing End-of-Life Care Approaches and Impacts on Quality of Life for Patients. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2023.
22. Hwang C*, Slotky N*, **Madden JM**. A Systematic Review of the Effectiveness of Telepharmacy Services in Ambulatory and Community Pharmacy. Poster presentation American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting, Dec 2022. (Also presented at NU's RISE in April 2022 and Massachusetts Society of Health System Pharmacists [MSHP] Annual Meeting in May 2022.)
23. Patel R*, DeRosa A*, Tsai HT*, **Madden JM**. Overview of Direct-to-Consumer Pharmacies and their Role in Pharmacy Practice. Poster presentation American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting, Dec 2022. (Also presented at NU's RISE in April 2022.)

24. Bouwmeester C, Gandolfo S*, Girard T*, Zhang M*, **Madden JM**. Prevalence of Psychological Symptoms among Home-Dwelling Dementia Patients in a PACE Organization. American Society of Consultant Pharmacists (ASCP) Annual Meeting, November 2022. (An earlier iteration was presented at NU's RISE in April 2022.)
25. Ji R*, Le P*, Cecili J*, Go Y*, Choi S*, **Madden JM**. Prevalence of Mental Health Visit Utilization Among Medicare Beneficiaries. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2022.
26. Ji R*, Le P*, Cecili J*, Go Y*, Choi S*, **Madden JM**. Prevalence of Psychiatric Medications Usage Among Medicare Beneficiaries. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2022.
27. Kim Y*, Loh M*, Ma K*, **Madden JM**. Understanding the Roles Played by Pharmacy Benefit Managers and Current Policy Concerns. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2022.
28. **Madden JM**, Sibicky SL. Ramped-Up Engagement in a Large Lecture Course on Health Systems: Experiences Teaching Remotely During COVID-19. Virtual poster presentation American Society of Health-System Pharmacists (ASHP) Midyear Clinical Meeting, Dec 2021.
29. Nekui F*, Galbraith AA, Briesacher BA, Zhang F, Ross-Degnan D, Gurwitz JH, Soumerai SB, **Madden JM**. Cost Conversations with Providers among Medicare Beneficiaries with Cost-Related Nonadherence. Virtual poster presentation, AcademyHealth Annual Research Meeting. June 2021.
30. **Madden JM**, Vashi S*, Shetty PS*, Zhang F, Briesacher BA, Ross-Degnan D, Soumerai SB, Gurwitz JH, Galbraith AA. The Persistence of Food Insecurity: in Medicare 2016-2019 and Year-to-Year for Individual Enrollees. Virtual poster presentation, AcademyHealth Annual Research Meeting. June 2021.
31. Baek C*, Ko S*, **Madden JM**. Need for Pharmacists in Palliative Care. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2021.
32. Armano G*, Kareco A*, **Madden JM**. Cost Analyses in Intervention Studies of End-of-Life Care: A Literature Review. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2021.
33. **Madden JM**, Bayapureddy S*, Briesacher BA, Zhang F, Ross-Degnan D, Soumerai SB, Gurwitz JH, Galbraith AA. National Prevalence of Problems Paying Medical Bills and Cost-Related Delays in Care among Medicare Enrollees. Virtual podium presentation, AcademyHealth Annual Research Meeting. Aug 2020. Abstract published in *Health Services Research*, 55, pp.97-98.
34. **Madden JM**, Foxworth P, Busch AB, Zhang F, Ross-Degnan D, Araujo-Lane C, LeCates RF, Soumerai SB, Wallace J, Lu CY, Wharam JF. Navigating High Healthcare Costs with Bipolar Disorder: A Research Collaboration between Academics and Peer Advocates. Virtual poster presentation, Annual Conference of the International Society for Bipolar Disorders (ISBD), June 2020. Abstract published in *Bipolar Disorders*, 22, pp.112-113.

35. Duncan A*, Frangian C*, Frangian K*, Lee C*, Young E*, **Madden JM**. Assistance or Hindrance? An Examination of Prescription-Assistance Programs. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2020.
36. Suh S*, **Madden JM**, Bouwmeester C. Use of the Neuropsychiatric Inventory Questionnaire (NPI-Q) to Measure Behavioral and Psychological Symptoms of Dementia (BPSD) and Optimize Therapeutic Management in the Community Setting. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2020.
37. Kennedy BM*, **Madden JM**. Spanish-Language Barriers and Pharmacy Practice: A Systematic Literature Review. RISE (Research, Innovation, And Scholarship Expo), Northeastern University, April 2020.
38. **Madden JM**, Foxworth P, Busch AB, Zhang F, Ross-Degnan D, Araujo-Lane C, LeCates RF, Soumerai SB, Wallace J, Lu CY, Wharam JF. Impact of High Cost-Sharing on Individuals with Bipolar Disorder in Commercial Plans and Implications for Pharmacy. (Virtual poster presentation, American Pharmacists Association [APhA] Annual Meeting, March 2020.)
39. **Madden JM**. "Benefit design implications for claims data". Invited oral presentation, part of invited panel, "Who's There? Missing Codes, Records, and People in Administrative Data," organized by Hatfield LA. International Conference on Health Policy Statistics, Jan 2020.
40. Park K*, Ren M*, Sutton S*, Conley M, **Madden JM**. Impact of a Pharmacist-Led Intervention to Promote Tapering of Benzodiazepine Prescriptions: A Retrospective Time Series Study. Poster presentation, American Society of Health-System Pharmacists [ASHP] Midyear Clinical Meeting, Dec 2019.
41. **Madden JM**, Foxworth P, Busch AB, Zhang F, Ross-Degnan D, Araujo-Lane C, LeCates RF, Soumerai SB, Wallace J, Lu CY, Wharam JF. Concordance of Quantitative and Qualitative Findings in Research on People with Bipolar Disorder and Behavioral Health Care. Invited poster presentation, Patient Centered Outcomes Research Institute (PCORI) Annual Meeting, Sept 2019.
42. **Madden JM**, Shetty PS*, Briesacher BA, Zhang F, Ross-Degnan D, Soumerai SB, Gurwitz JH, Galbraith AA. Food Insecurity among the Medicare Population – Prevalence, Predictors, and Innovative Policies. Podium presentation at AcademyHealth Annual Research Meeting. June 2019.
43. Wharam JF, Busch AB, **Madden JM**, Zhang F, LeCates R, Foxworth P, Soumerai SB, Ross-Degnan D, Lu CY. Impact of High-Deductible Health Plans on High-Acuity Care Among People with Bipolar Disorder. Poster presentation at AcademyHealth Annual Research Meeting. June 2019.
44. Bae SJ*, Jung J*, Lee JY*, Park S*, Bouwmeester C, **Madden JM**. Prevalence of Antipsychotic Medications and Behavioral and Psychological Symptoms of Dementia (BPSD) in Community-Dwelling Patients with Dementia. American College of Clinical Pharmacy [ACCP] Virtual Poster Symposium, May 2019.
45. Bae SJ*, Jung J*, Lee JY*, Park S*, Bouwmeester C, **Madden JM**. Prevalence of Behavioral and Psychological Symptoms of Dementia in Community-Dwelling Patients with Dementia in a Program of All-Inclusive Care for the Elderly: Preliminary Results. RISE (Research, Innovation, and Scholarship Expo), Northeastern University, April 2019.

46. Park K*, Ren M*, Sutton S*, Conley M, **Madden JM**. Impact of a Pharmacist-Led Intervention to Promote Tapering of Benzodiazepine Prescriptions: A Retrospective Time Series Study. RISE (Research, Innovation, and Scholarship Expo), Northeastern University, April 2019.
47. Gao C*, Han E*, **Madden JM**. Impact of Stigma on Help-Seeking Behavior for College Students with Depression. RISE (Research, Innovation, and Scholarship Expo), Northeastern University, April 2019.
48. Sun KJ*, **Madden JM**. Biosimilars and Their Regulation in United States, European Union, and South Korea: A Comparative Policy Analysis. RISE (Research, Innovation, and Scholarship Expo), Northeastern University, April 2019.
49. Kuang J*, **Madden JM**. Prescribing Practices and Prospective Considerations for the Treatment of Bipolar Disorder. RISE (Research, Innovation, and Scholarship Expo), Northeastern University, April 2019.
50. Nekui F*, Briesacher BA, **Madden JM**. Prevalence of Cost-Related Medication Nonadherence Among Medicare Beneficiaries. RISE (Research, Innovation, and Scholarship Expo), Northeastern University, April 2019.
51. Yao H*, **Madden JM**. Recent Evidence on the Impacts of Medicare Part D. RISE (Research, Innovation, and Scholarship Expo), Northeastern University, April 2019.
52. Lu CY, Callahan MX, Zhang F, Busch AB, **Madden JM**, Foxworth P, LeCates RF, Ross-Degnan D, Soumerai SB, Wharam JF. The Impact of Consumer-Directed Health Plans on Medication Use among Patients with Bipolar Disorder. Poster presentations at AcademyHealth Annual Research Meeting, June 2018 and NIMH Mental Health Services Research (MHSR) Conference, August 2018.
53. Wharam JF, Busch AB, **Madden JM**, Zhang F, Callahan MX, LeCates R, Foxworth P, Soumerai SB, Ross-Degnan D, Lu CY. Effect of High-deductible Insurance on Mental Health Outpatient Care in Bipolar Disorder. NIMH Mental Health Services Research (MHSR) Conference, August 2018.
54. **Madden JM**, Foxworth P, Ross-Degnan D, Allen K, Busch AB, Callahan MX, Lu CY, Wharam JF. Advocacy Community Engagement in A Mixed-Methods Study About Health Insurance Design and Bipolar Disorder. Poster presentation at AcademyHealth Annual Research Meeting, June 2018.
55. Araujo-Lane C, Foxworth P, Ross-Degnan D, Busch AB, Wharam JF, Lu CY, Soumerai SB, **Madden JM**. Accessing Providers and Coping with Disruptions in Employer-Sponsored Insurance: Experiences of People with Bipolar Disorder. Poster presentation at AcademyHealth Annual Research Meeting, June 2018.
56. Napolitano F*, Araujo-Lane C, Busch AB, Wharam JF, Ross-Degnan D, Lu CY, Foxworth P, **Madden JM**. A qualitative examination of the complexities of bipolar disorder treatment. Poster presentation at American College of Clinical Pharmacy (ACCP) Annual Meeting, Oct 2017. Abstract published in *Pharmacotherapy* 37(12), p.E206.
57. **Madden JM**, Araujo-Lane C, Foxworth P, Lu CY, Wharam JF, Busch AB, Callahan MX, Soumerai SB, Ross-Degnan R. Healthcare cost-sharing experiences of people with

bipolar disorder in employer plans. Poster presentation at AcademyHealth Annual Research Meeting, June 2017.

58. Wharam JF, Busch AB, **Madden JM**, Zhang F, LeCates R, Callahan MX, Xu X, Soumerai SB, Ross-Degnan D, Lu CY. Impact of high-deductible health plans on mental health outpatient care among patients with bipolar disorder. Poster presentation at AcademyHealth Annual Research Meeting, June 2017.
59. Lu CY, Penfold RB, Toh D, Sturtevant JL, **Madden JM**, Simon G, Ahmedani BK, Clarke G, Coleman KJ, Copeland LA, Daida YG, Davis R, Hunkeler E, Owen-Smith AA, Raebel MA, Rossom R, Soumerai SB, Kulldorff M. Near real-time surveillance for consequences of health policies using sequential analysis. 13th Conference on Costs and Assessment in Psychiatry: Mental Health Policy and Economics, March 2017. Abstract published in the *Journal of Mental Health Policy and Economics*, 2017, Vol. 20, pp. S21-S22.
60. Adams AS, **Madden JM**, Zhang F, Lu CY, Ross-Degnan D, Soumerai SB, Lee A, Gilden DM, Chawla N, Griggs JJ. increased use of effective non-cancer drugs following removal of benefit caps among cancer patients in Medicaid: A quasi-experimental study. ISPOR 19th Annual European Congress, Oct 2016. Abstract published in *Value in Health*, 19(7), p.A624
61. **Madden JM**, Adams AS, LeCates RF, Ross-Degnan D, Huskamp HA, Zhang F, Burns ME, Gilden DM, Soumerai SB, Medicaid drug caps and treatment access among SMI Duals with comorbid diabetes. Podium presentation at AcademyHealth Annual Research Meeting, June 2016.
62. **Madden JM**, LeCates RF, Burns ME, Adams AS, Ross-Degnan D, Huskamp HA, Zhang F, Gilden DM, Soumerai SB. Part D Plan restrictions and use of psychotropic therapies among dual enrollees with SMI. Podium presentation at AcademyHealth Annual Research Meeting, June 2016.
63. Burns ME, Huskamp HA, Smith JC, Soumerai SB, **Madden JM**. Effect of Medicaid coverage generosity on downstream health care use among dual beneficiaries with psychiatric and physical disabilities. Podium presentation at ASHEcon (American Society of Health Economists), June 2014.
64. **Madden JM**, Lakoma MD, Yau VM, Lynch FL, Rusinak D, Davis R, Owen-Smith AA, Coleman KJ, Quinn VP, Croen LA. psychotropic medication use among children with and without autism spectrum disorders in 2010. Podium presentation at HMORN Conference, April 2014, and poster presentation at IMFAR Conference, May 2014.
65. Yau VM, Lynch FL, **Madden JM**, Owen-Smith AA, Coleman KJ, Bent S, Massolo ML, Pearson K, Crawford P, Freiman HC, Pomichowski ME, Lakoma MD, Croen LA. A multi-site study of age of diagnosis, incidence, and prevalence of autism spectrum disorders: Findings from the Mental Health Research Network Autism Registry Study. Poster presentation at IMFAR Conference, May 2014.
66. **Madden JM**, Briesacher B, Adams AS, Ross-Degnan D, Zhang F, Gurwitz JH, Soumerai SB. 2006 Medicare Part D Benefit: Evaluating a major expansion of medicines insurance for vulnerable Americans. Poster presentation at 3rd International Conference on Improving Use of Medicines (ICIUM), November 2011, in Antalya, Turkey.

67. **Madden JM.** Monitoring medicine prices with WHO/HAI Surveys: Upsides, downsides, and forward-thinking strategies. Poster presentation at the 3rd International Conference on Improving Use of Medicines (ICIUM), November 2011, in Antalya, Turkey.
68. **Madden JM,** Meza E, Ewen M, Laing RO, Stephens P, Ross-Degnan D. Medicine Prices in Peru: a Validation of the Sampling Approach Used in WHO/HAI Surveys (poster presentation). 3rd International Conference on Improving Use of Medicines (ICIUM). November 2011, in Antalya, Turkey.
69. **Madden JM,** Graves AJ, Ross-Degnan D, Briesacher B, Zhang F, Adams AS, Gurwitz JH, Adler GS, Soumerai SB. Changes in Cost and Use of Medications to Treat Hypertension and Diabetes after Medicare Part D. Poster presentation at AcademyHealth Annual Research Meeting. June 2010.

Other Publications

Doctoral Thesis

Madden JM. Evaluating the Effects of Two Successive Policies Regarding Obstetrical Lengths of Stay. Cambridge, MA: Harvard University; 2002.

Letters to the Editor

1. Briesacher BA, **Madden JM,** Soumerai SB. Caution in Generalizing Part D Results to Medicare Population. *Arch Intern Med* 2011;171(4):367 (Correspondence)
2. Soumerai SB, **Madden JM.** Medication Therapy Management and Cost-Related Medication Nonadherence—Reply. *JAMA.* 2008; 300: 1130-1131. (Correspondence)
3. **Madden JM,** Ross-Degnan D, Soumerai SB. Effects of a law against early postpartum discharge. *New Engl J Med.* 2003;348:1602-3. (Correspondence).

Monographs

1. **Madden JM.** Medicine Prices: a new approach to measurement – Illustrative examples of results from pilot studies, 2001-2002. WHO/HAI Medicine Prices Project, November 2003.
2. **Madden JM.** Peru Validation Study Report. WHO/HAI Medicine Prices Project, November 2006.
3. **Madden JM.** Multi-Country Sampling Validation Report. WHO/HAI Medicine Prices Project, November 2006.
4. **Madden JM.** Multi-Country Analysis of Statistical Variability. WHO/HAI Medicine Prices Project, June 2008.
5. **Madden JM.** Project Data Assessment: Monitoring of Medicines Prices in Kenya, 2004 to 2009. WHO/HAI Medicine Prices Project and Kenya Ministry of Health, November 2010.

Editorial Roles

1. Soumerai SB, Starr D, Majumdar SR. "How do you know which health care effectiveness research you can trust? A guide to study design for the perplexed." *Preventing Chronic Disease*, 2015 (12) E101.pp 1-17 (**Madden JM,** editing)

2. Chace MJ. National estimates of the impact on antidepressant treatment prevalence and treatment intensity of Medicare Part D. Successful doctoral dissertation paper, Harvard U, November 2012. (**Madden JM**, senior author on unpublished manuscript)
3. Chace MJ. Dual enrollees and the transition to Medicare Part D: The influence of prior state Medicaid benefits on changes in use of medications. Successful doctoral dissertation paper, Harvard U, November 2012. (**Madden JM**, senior author on unpublished manuscript)

Local Invited Presentations

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| 2019 | “Ability to Afford Food and Medical Care among Medicare Enrollees,” Health Policy and Insurance Research Seminar (Feb 13), Department of Population Medicine, Harvard Medical School |
| 2018 | “Food Insecurity Among Medicare Beneficiaries,” Health Sciences & IHESJR Works in Progress Series (Oct 16), Bouvé College of Health Sciences, Northeastern University |
| 2017 | “Uninsurance in America” Bouve Learning Living Community (student sponsored program series, Nov 9), Northeastern University |
| 2016 | “Latest Findings from the Drug Policy Research Group’s Part D Duals Studies” at the Pharmaceutical Policy Research Seminar, Harvard Medical School |
| 2015 | “Impact of High Deductible Health Plans on Patients with Bipolar Disorder”, at the Pharmacy & Health Systems Sciences Research-In-Progress Seminar, Northeastern University |
| 2015 | “Changes in Drug Coverage Generosity and Untreated Serious Mental Illness: Transitioning from Medicaid to Medicare Part D”, at School of Pharmacy, Northeastern University |
| 2013 | “Recent Studies by Harvard & UMass Researchers using the Medicare Current Beneficiary Survey and other data on Medicare and Medicaid Beneficiaries”, for the Regional Office of the US Centers for Medicare and Medicaid Services, Boston, MA |
| 2011 | “Measuring Medicine Prices in Low- and Middle-Income Countries” at the Takemi Program in International Health Seminar, Harvard School of Public Health |
| 2009 | “The Private Sector and Global Pharmaceutical Policy, Part 2: Medicines Pricing and Health Insurance” at the School of Public Health IH820 Course: Global Issues in Drug Policy, Boston University |
| 2007 | “The Impact of Changes in Postpartum Length-of-Stay Policies on Health, Utilization, and Costs” at the Beth Israel Neonatal Epidemiology Seminar, Harvard Medical School |
| 2006 | “Evaluation of the Methodology Used in WHO/HAI Medicine Prices Surveys” at the Pharmaceutical Policy Research Seminar, Harvard Medical School |

- 2004 “Medicines Pricing in Non-Industrialized Countries” at the Pharmaceutical Policy Research Seminar, Harvard Medical School
- 2001 “Changes in Maternity LOS Due to HMO Early Discharge Policy & Subsequent State Legislation: Effects on Health Outcomes & Utilization” at the Center for Quality of Care Research and Education Seminar, Harvard School of Public Health

Regional, National, and International Invited Presentations

(where applicable, associated published abstracts appear above)

- 2020 “New Evidence from Interviews & Claims Data about the Impacts of High Patient Costs,” Symposium presentation, International Society for Bipolar Disorders Annual Conference, Chicago (virtual), June 2020
- 2020 “Benefit Design Implications for Claims Data,” International Conference on Health Policy Statistics, San Diego, Jan 2020
- 2019 “Concordance of Quantitative and Qualitative Findings in Research on People with Bipolar Disorder and Behavioral Health Care,” Patient Centered Outcomes Research Institute Annual Meeting, Washington DC, Sept 2019 (Co-presented with JF Wharam)
- 2018 “Experiences of Individuals who have Bipolar Disorder and Employer-Sponsored Insurance,” Department of Population Health Sciences, School of Medicine and Public Health, University of Wisconsin-Madison, May 2018
- 2018 “Experiences of Individuals who have Bipolar Disorder and Employer-Sponsored Insurance,” Department of Health Policy and Management, Mailman School of Public Health, Columbia University, April 2018
- 2015 Panel presenter at session, “Incorporating Clinical Nuance into Medicare Advantage” at the V-BID Summit 2015: A Decade of Transforming the Health Care Cost Discussion from ‘How Much’ to ‘How Well’, Center for Value-Based Insurance Design, University of Michigan, Ann Arbor, MI
- 2004 “Comparing Medicine Prices Among Countries” and “Ensuring Data Quality in the Medicine Prices Project.” Two methodological podium presentations at the 2nd International Conference on Improving Use of Medicines (ICIUM), in Chiang Mai, Thailand
- 2001 “Effects of Changes in Maternity Length of Stay Policies on Health Outcomes in a Massachusetts HMO” podium presentation at Meeting of the US Secretary of Health and Human Service’s Advisory Committee on Infant Mortality, Washington, DC
- 1997 “Undercover Careseekers: Simulated Clients in the Study of Health Provider Behavior in Developing Countries,” podium presentation at 1st International Conference on Improving Use of Medicines (ICIUM), in Chiang Mai, Thailand

REPORT OF GRANT FUNDING

Past Funded Projects

- 2021-2022 Access to Mental Health Care among Medicare Beneficiaries
Northeastern University IHESJR Health Equity Pilot Award
Principal Investigator
This award supports description of mental health problems in the Medicare population using MCBS 2019 data, comparing measures based on self-reported symptoms and diagnosis history, medications use, vs Medicare-paid services use; comparative analyses will likely show disparities in access. We will examine prevalence and risk factors for self-reported cost-related underuse (CRU) of mental health services in Medicare.
- 2018-2022 Exploring New Measures of the Affordability of Healthcare for Patients in Medicare
NIH-NIA / R21 AG 060401
Principal Investigator – 20% FTE
This study will validate measures of patient-reported cost-related underuse of health services and hardship due to costs that are appearing for the first time in the 2017 federal MCBS. It will also fully analyze first year of these data, identifying especially vulnerable populations and differences in results among specific services.
- 2019-2021 Drug Benefit Design and Adherence Disparities in Older Adults (PI Adams)
NIH-NIA / R01 AG032249 (competing renewal; R56 bridge awarded)
Co-Investigator / Site PI – 10% FTE
This study takes advantage of a comprehensive, longitudinal EMR and apply mixed methods to examine how drug benefit designs aid or hinder health system goals in reducing racial and ethnic disparities among older adults living with major illness burdens. It would consider the role of pharmacy benefits among several multilevel factors contributing to nonadherence to clinically effective therapies.
- 2018-2019 Food Insecurity among Medicare Beneficiaries
Northeastern University IHESJR Health Equity Pilot Award
Principal Investigator
This award supports exploration of a new MCBS questionnaire in 2015 and resulting data module regarding the ability of Medicare beneficiaries to afford food. Food insecurity has been strongly linked to health outcomes in other settings. This study will assess disparities in food security among this population and examine linkages with other key outcomes including cost-related underuse of medications and other health services.
- 2015-2019 Impact of High Deductible Health Plans on Patients with Bipolar Disorder (PIs Wharam & Lu)
PCORI-IHS Improving Healthcare Systems / IHS-1408-20393
Co-Investigator / Site PI / Engagement Lead – 30% FTE

Using 11 years of data from the largest US commercial health insurer, we are assessing the impact of high-deductible health plans on treatment, adverse clinical events, and out-of-pocket costs among patients with bipolar disorder. In-depth interviews explore patient perspectives on navigating complex insurance benefits. A 3-year study. Currently under 1-year supplemental contract for PCORI Peer Review process.

- 2015-2017 Gaps in Medicare Part D Self-Enrollment & Nursing Home Residents (PI Briesacher)
NIH-NIA / R01 AG046341
Co-Investigator - 5% FTE
Reliable and affordable prescription drug coverage is important to nursing home residents who require many medications to manage multiple co-morbid conditions. Yet, the Medicare Part D drug program is difficult to join due complex enrollment requirements. This study will examine the effects of Part D enrollment policies on the drug coverage, out-of-pocket drug costs, medications, and health outcomes of nursing home residents.
- 2009-2015 Efforts to Develop the Sentinel Initiative/“Mini-Sentinel” (PI Platt)
FDA / HHSF223200910006I
Epidemiologist / Co-Investigator
The Mini-Sentinel project developed resources and methods for using a distributed network of health data sources for active surveillance of the safety of marketed medical products.
- 2011-2015 Changes in Cardiovascular Care and Outcomes in Eight Years after Medicare Part D (PI Soumerai)
NIH-NIA / R01 AG028745
Project Director / Co-Investigator
The goal of this study was to investigate changes in access to medicines and changes in health services and outcomes for the elderly population with cardiovascular disease in the 8 years following Part D implementation.
- 2010-2014 Mental Health Research Network: A Population-Based Approach to Transform Research (PI Simon)
NIH-NIMH / U19 MH092201
Co-Investigator
This project developed a Mental Health Research Network (MHRN) by establishing a core infrastructure for research in mental health and completing developmental projects designed to test that infrastructure. The developmental projects in which HPHCI site participated included: 1) conducting interrupted time series analyses and retrospective surveillance to evaluate changes in the trend of utilization rates of antidepressants and rates of suicidality before and after implementation of an FDA policy; and 2) creating a comprehensive and dynamic autism spectrum disorder (ASD) registry at multiple MHRN sites to enable rapid identification and

enrollment into future large-scale comparative effectiveness, pharmacogenomic, and etiologic investigations.

- 2009-2014 Drug Cost Containment Changes and Quality of Care for Mentally Ill Dual Enrollees (PI Soumerai)
AHRQ / R01 HS018577
Project Director / Co-Investigator
The purpose of this study is to evaluate the impacts of changes in drug cost containment policies that occurred with the shift from Medicaid coverage to Medicare Part D drug coverage among fee-for service dual enrollees with schizophrenia or bipolar disorder in four states.
- 2009-2012 Impact of Medicare Part D on Cancer and Diabetes Disparities among Dual Enrollees (PI Adams)
NIH-NIA / R01 AG032249-01A1
Project Director / Co-Investigator
This project aims to evaluate 1) the impact of Part D on racial and ethnic differences in medication access and use, 2) racial and ethnic differences in response to changes in medication accessibility under Part D, and 3) the impact of Part D on disparities in medication use, health outcomes and costs among dual enrollees with cancer or diabetes.
- 2010-2011 Evaluation of Kenya Price Monitoring
World Health Organization (WHO) & Health Action International (HAI)
Contract NL 008651310B01
Principal Investigator
The purpose of this study was to consolidate data from the ongoing WHO/HAI/MOH medicine prices and availability monitoring activity in Kenya, evaluate the data procedures and quality, and analyze and present results to date for project leadership and decision-makers.
- 2006-2011 Impact of Medicare Drug Benefit on Use and Cost-related Underuse of Medicines – Cancer Supplement (PI Soumerai)
NIH-NIA-NCI / R01 AG028745-S3
Project Director / Co-Investigator
The principal goal of this study was to measure changes in drug coverage, use, spending, and cost-related underuse of medicines (CRUM) among elderly, community-dwelling Medicare beneficiaries before and after (2005-2007) implementation of the Medicare Modernization Act (MMA), with a focus on poor and chronically ill beneficiaries who qualify for substantially subsidized coverage and near-poor beneficiaries who do not.
- 2006-2011 Impact of Medicare Drug Benefit on Use and Cost-related Underuse of Medicines (PI Soumerai)
NIH-NIA / R01 AG028745
Project Director / Co-Investigator

The principal goal of this study was to measure changes in drug coverage, use, spending, and cost-related underuse of medicines (CRUM) among elderly, community-dwelling Medicare beneficiaries before and after (2005-2007) implementation of Part D, with a particular focus on poor and chronically ill beneficiaries who qualify for substantially subsidized coverage and near-poor beneficiaries who do not.

2007-2009 Risk Factors for Uncontrolled Asthma and Controller Medication Underuse AstraZeneca

Principal Investigator

The goals of this project were to: 1) describe trends in uncontrolled asthma in the past 5 years; 2) characterize patterns and rates of controller medication underuse in patients with uncontrolled asthma; 3) identify patient, provider, and community-level risk factors for current uncontrolled asthma and controller medication underuse; and 4) develop and validate a prediction index that identifies patients at high risk of uncontrolled asthma.

2007-2009 Pre-MMA Trends in Health Services Utilization among Dual Enrollees (PI Soumerai)

HPHC Foundation Grant & HMS / DACP Faculty Grant

Co-investigator

To examine and compare pre-MMA trends in the use of effective medicines and other health care utilization and costs among dually enrolled Medicaid and Medicare beneficiaries in CA, SC, MO, and NJ.

2007-2008 Validation of Sampling Design for the Medicine Prices Project
World Health Organization (WHO) & Health Action International (HAI)

Contract HQ07881591

Principal Investigator

This project presented selected findings from the 2005-2006 survey sample validation exercise in Peru in a concise scientific format for publication, conducted further statistical analyses using data from the multiple country surveys to systematically examine the stability of key summary statistics, and produced a brief report addressing frequently asked questions about the statistical aspects of the study intended for survey managers.

2006-2007 Development of Plan- and Drug-Level Accessibility Scores Under Part D

HPHC Foundation Grant & HMS / DACP Faculty Grant

Principal Investigator

This project used Centers for Medicare and Medicaid Services (CMS) data on Part D (prescription drug benefit) plan formularies to develop measures of accessibility to common essential therapies (both psychotropic and somatic) for disabled dual beneficiaries with mental illness.

2004-2005 Cost, Utilization, and Health Effects of Successive Changes in Cesarean Length-of-Stay Policy

Robert Wood Johnson Foundation – Health Care Financing and
Organization Research Grant (RWJF-HCFO) / 050048

Principal Investigator

This project assessed the impact of policy-imposed shifts in length of stay following cesarean delivery on costs, utilization, and patient outcomes.

2006-2007 Development and Cross-Validation of Mental Health Measures in the
Peripartum Period-II

HMS Ebert Fellowship Award

Principal Investigator

The goals of this research were to (a) validate measures of maternal mental health that are readily obtainable from administrative data (claims), by comparing them to measures that require more effort to obtain (i.e., survey-based and records text-based measures), and (b) add to the available tools for researchers studying mental health.

2004-2006 Development and Cross-Validation of Mental Health Measures in the
Peripartum Period-I

HPHC Foundation Grant / DACP Faculty Grant

Principal Investigator

The goals of this project were to: (a) validate measures of maternal mental health that are readily obtainable from administrative data (claims), by comparing them to measures that require more effort to obtain (i.e., survey-based and records text-based measures), and (b) add to the available tools for researchers studying mental health.

2003-2006 Predictors of Antenatal and Postpartum Depression (PI Rich-Edwards)

NIH-NIMH R01

Co-Investigator

The project was part of Project Viva, a large birth cohort study featuring patient survey, medical record, claims, and laboratory test data. The project goals were to investigate predictors of perinatal depression including innovative measures such as biomarkers (e.g., cortisol levels) and self-reported personal experiences.

2002-2004 Early Postpartum Discharge Outcomes (PI Lieu)

Maternal and Child Health Bureau (MCHB) / 5 H16 MC00050-03-02

Co-Investigator

The major goals of this project were to evaluate the effects and costs of recent legislation that mandated insurance coverage of 48 hours of hospitalization after uncomplicated deliveries and to describe the needs of mothers and infants.

2002-2007 Measuring Medicine Prices: A New Approach to Measurement (PI Ewen)

World Health Organization (WHO) & Health Action International (HAI)

Consulting Research Analyst

The purpose of this project was to consult in the design, implementation, and analyses of international medicine pricing sampling validation and simulated client validation studies in selected regions conducted by WHO/HAI.

- 1998-2003 Evaluating Changes in Maternity LOS Policy (PI Soumerai)
HPHC Foundation Grant & AHCPR R01 (AHCPR is now AHRQ – US Agency for Healthcare Research and Quality)
Project Director
This study examined the health, utilization, quality of care, and cost impacts of two successive policy interventions relating to perinatal services. In the first, a private HMO reduced the standard LOS following delivery to one night in the hospital plus a home visit. Later, state law mandated coverage of 48 hours' hospitalization.

Currently Funded Projects

- 2025-2027 Patient Voices from an Advance Care Planning Intervention and Optimizing Care for Serious Illness
NIA / R21-AG091135
Principal Investigator – 20% FTE
Visit audio-recordings from an ongoing RCT and qualitative methods reveal Advance Care Planning-related experiences and concerns among a diverse cohort of homebound patients with serious illness. We are connecting visit themes to later patient outcomes in the parent RCT, and identifying patterns explain differences in outcomes for patients near the end of life.
- 2023-2027 Insurance Mandate Generosity, COVID-19, & Health Care for Children with Autism (PI Yu)
NIH-NICHD / R01
Co-Investigator / Site PI – 23% FTE
The proposed project will determine the impact of specific state variations in autism services mandates, and the relationship between mandate features and utilization, before the pandemic, then changes related to it.
- 2020-2026 Home-ACP RCT: Randomized trial of a home-advance care planning video intervention for patients with life-limiting illness (PIs El-Jawahri / Volandes)
NIH-NINR / R01 NR019274
Co-Investigator / Site PI / Cost Analysis Lead – 5% FTE
This RCT will assess the effectiveness of an advance care planning video intervention for improving preferences documentation, ACP conversations, and hospice utilization, while reducing costs of care in the last year of life for patients who have chronic, life-limiting illness within a Medicare Advantage home-based care program.

Recent Proposals Not Funded

- 2024-2026 AD/ADRD Detection and Patient Outcomes in Medicare: Role of Social Factors and Delivery Model
NIA / R21
Principal Investigator – 20% FTE
This study will leverage newly available survey and claims data to examine disparities in access to care and quality of care for Alzheimer’s disease and related dementias. Further, we will assess the value of stronger care coordination models in maintaining health longer, staving off undesirable health-related events, and reducing inequities.
- 2023-2027 Understanding use and underuse of mental health care in Medicare
NIMH / R01
Principal Investigator – 40% FTE
This study will examine use and underuse of care of mental health care and Medicare using a broad range of measures from a federal survey and in-depth interviews with Medicare enrollees with depression, with a focus on disparities and changes due to rapid telehealth expansion.
- 2022-2023 Examining Access to Dental, Vision, and Hearing Care for Medicare Beneficiaries
Northeastern University Tier 1 Program
Principal Investigator (no funding for faculty allowed)
Study would use new federal survey questions to build a comprehensive understanding of beneficiary access to dental, vision, and hearing (DVH) services, which have a crucial role in health and are frequently considered for future coverage by Medicare, but which are not currently covered.
- 2022-2026 Affordability and Access to Care for Medicare Beneficiaries with Mental Illness
NIH-NIA / R01
Principal Investigator – 40% FTE
This study will examine use and underuse of care, patient costs, and hardships for individuals with mental illness. We will investigate inequities in affordability of treatment by income, race/ethnicity, and regional characteristics and changes over time – before, during, and after the COVID-19 pandemic.
- 2021-2024 The COVID-19 Pandemic and Mental Health Services for Children with Autism (PI Yu)
HRSA
Co-Investigator / Site PI / Qualitative Lead – 15% FTE
The proposed project will examine pandemic-driven shifts toward telehealth on availability and quality of facility-based mental health services for children with autism spectrum disorders. We will map services by provider type and delivery mode nationwide, connecting changes to local

characteristics, and conduct surveys and interviews of clinical leaders on quality of care in the context of change.

- 2021-2023 Psychometric Testing and Validation of the Food Insecurity Index for Cancer Survivors – FIICS (PI Poghosyan)
NIH-NCI / R03
Other Significant Contributor – 0% FTE
The proposed pilot study will develop new research and screening tools to examine the critical problem of inability to afford adequate and nutritious food for patients in oncology care settings. will assess face and content validity, assess construct and criterion validity, perform item analysis and reliability testing, and investigate factorial structure.
- 2018-2020 Measuring Out-of-Pocket Spending among Medicare Beneficiaries Beyond Claims Evidence
NIH-NIA / R21
Principal Investigator
This study proposal aimed to define and validate a method for measuring patient health spending based on survey-reported events alone and apply this to a baseline longitudinal study of patient costs, conducting a long-needed and novel comparison of traditional Medicare and Medicare Advantage enrollees.
- 2017-2020 Patient Cost Burden and Underuse of Care in the US Medicare Population
NIH-NIA / R01 AG028745 (renewal)
Principal Investigator
This study proposal aimed to validate data gathered through new questions in the MCBS (2017), that were prepared for MCBS by the study team, on patient cost burden and related underuse of health services. We proposed comprehensive analyses, identifying vulnerable populations and differences among services. In addition, we planned to define, validate, and apply new methods for measuring patient spending based on survey-reported events.
- 2015-2019 Monitoring Cost Burden and Underuse of Care for the US Medicare Population (PIs Soumerai & Briesacher)
NIH-NIA / R01 AG028745 (renewal)
Project Director / Co-Investigator
This study proposal aimed to create and validate measures of patient-reported cost-related underuse of health services and hardship due to costs, integrate these into the federal Medicare Current Beneficiary Survey and analyze first year results. We also planned to examine trends in patient costs over 18 years using a novel approach that takes advantage of the survey's strengths.

REPORT OF TEACHING

Formal Teaching of Undergraduate and Graduate Pharmacy Students

- 2024-present Instructor (4 lectures, 100 min each), **PHMD 5240: Integrated Social and Administrative Pharmacy 2**, School of Pharmacy and Pharmaceutical Sciences, Bouvé College of Health Sciences, Northeastern University. Large annual Fall multi-instructor lecture course, 65-80 students, 4 semester hours
- 2023-present Instructor (1 lecture, 100 min) **PHMD 5120: Principles of Pharmacy Practice**, School of Pharmacy and Pharmaceutical Sciences, Bouvé College of Health Sciences, Northeastern University. Large annual Fall multi-instructor lecture course, 40-80 students, 4 semester hours
- 2023-present Course Coordinator and Instructor (12 lectures, 100 min each), **PHMD 5140: Integrated Social and Administrative Sciences 1**, School of Pharmacy and Pharmaceutical Sciences, Bouvé College of Health Sciences, Northeastern University. Large annual Fall multi-instructor lecture course, 65-80 students, 4 semester hours
- 2026 Course Coordinator and sole Instructor, **PHTH 1260: American Healthcare System**, Department of Health Sciences, Bouvé College of Health Sciences, Northeastern University, 50 students, 4 semester hours, Spring course, mixed majors.
- 2022 Course Instructor, **PHTH 1260: American Healthcare System** (gave lecture on pharma industry to 2 sections), Department of Health Sciences, Bouvé College of Health Sciences, Northeastern University
- 2019 Course Instructor, **PHTH6410: Principles of Population Health 2 PhD Seminar** (presentation of own past and current research), Department of Health Sciences, Bouvé College of Health Sciences, Northeastern University
- 2018-present Faculty Advisor, **PHMD5600: Pharmacy Capstone**, School of Pharmacy and Pharmaceutical Sciences, Bouvé College of Health Sciences, Northeastern University
- 2024-25 Academic Year. 5 capstone projects, total of 15 students
 - 2023-24 Academic Year. 6 capstone projects, total of 16 students
 - 2022-23 Academic Year. 5 capstone projects, total of 14 students
 - 2021-22 Academic Year. 6 capstone projects, total of 16 students
 - 2020-21 Academic Year. 2 capstone projects, total of 4 students
 - 2019-20 Academic Year: 3 capstone projects; total of 7 students
 - 2018-19 Academic Year: 5 capstone projects; total of 11 students
- 2018-present Preceptor, **PHMD6470: Education APPE**, School of Pharmacy and Pharmaceutical Sciences, Bouvé College of Health Sciences, Northeastern University
- 2019 Block 4 *Carol Gao*
 - 2018 Block 5 *Tejumade Abeebe*
 - 2018 Block 4 *Nadiyah Ali*

- 2017-present Preceptor, **PHMD6471: Research APPE**, School of Pharmacy and Pharmaceutical Sciences, Bouvé College of Health Sciences, Northeastern University
 2019 Block 6 *Hilary Yao*
 2017 Block 7 *Francesca Napolitano*
- 2015-2022 Course Coordinator and Instructor, **PHMD2350: Health Care Systems**, School of Pharmacy and Pharmaceutical Sciences, Bouvé College of Health Sciences, Northeastern University. Large annual Fall lecture course, 65-140 students, 3 semester hours
- 2015 Course Instructor, **HLTH1010: Bouvé College Undergraduate Inquiry Seminar**, “From the Community to the Intensive Care Unit: An Interdisciplinary Approach to Care and Research in the Elderly” (session on Patient-Centered Research in Older Adults), Northeastern U

Formal Teaching of Medical Students, Residents, Fellows

- 2019 Mentorship of Pharmaceutical Industry Fellow (Jit Sheth HCS lecture), Northeastern U
- 2013-15 Poster Judge (Medicine in Society), Soma Weiss Student Research Day, Harvard Med Sch
- 2012-14 Mentorship of Pharmaceutical Policy Fellow, Harvard Medical School (*Huseyin Naci*)
- 2009-13 Mentorship of Pharmaceutical Policy Fellow, Harvard Medical School (*Meredith Chace*)
- 2007-15 HMS Fellowship in Pharmaceutical Policy Research – core faculty, admissions committee
- 2004-present Health Policy and Insurance Research Seminar (formerly DPRG Pharmaceutical Policy Research Seminar), Department of Population Medicine, Harvard Medical School and Harvard Pilgrim Health Care Institute, core faculty

Research Supervisory and Training Responsibilities

- 2018-present Supervision and mentoring of graduate student research assistant programmer/analyst employees, School of Pharmacy and Pharmaceutical Sciences, Bouvé College of Health Sciences, Northeastern University
Zain Raza, Sai Nukala, Shivangi Vashi, Aayush Sisodia, Susmitha Bayapureddy, Prathwish Shetty, Farrah Nekui
- 2000-present Supervision and mentoring of research staff, Department of Population Medicine (formerly DACP), Harvard Medical School and Harvard Pilgrim Health Care
- 2000-15 Supervision and mentoring of administrative staff, Department of Population Medicine (formerly DACP), Harvard Medical School and Harvard Pilgrim Health Care

Regional, National, and International Invited Teaching Roles

- 2002-04 Development and facilitation of regional multi-country workshops to introduce WHO/HAI Medicine Prices Project methodology (in Cairo, Egypt, 2003; Bangkok, Thailand, 2004; Hyderabad, India, 2004) and to assist survey teams in analysis, interpretation, and reporting phases (Rabat, Morocco, 2004), as part of longer-term role as technical advisor to lead investigators of country surveys during the design, implementation, analysis, and reporting phases of their surveys
- 2000 Facilitator at workshop to develop antimicrobial resistance research proposals (in Spanish) and ARCH project proposal reviewer; pre-submission manuscript reviewer. Mexico City, Mexico

Teacher Training Courses Taken at Northeastern University's CATLR – *the Center for Advancing Teaching and Learning through Research*

(Due to space limitation and incomplete records, this listing omits relevant non-CATLR development activities, e.g., technical consultations, DEI trainings, and others outside of Northeastern University)

- Aug 2021 Sustainable and Anti-Racist Grading Practices
- Aug 2020 Organizing Your Course in Canvas
- Aug 2020 Planning Engaging Asynchronous Online Discussions
- July 2020 Active Learning in Hybrid NUflex Classes
- July 2020 Getting Started Teaching with Canvas
- July 2020 Learning and Teaching in Difficult Times
- Feb 2020 Designing Effective In-class Group Activities
- Feb 2019 Learning Essentials
- July 2018 Designing Authentic Assignments
- Jun 2018 Teaching for Critical Thinking
- Mar 2018 Slow Teaching, Deep Learning: Mindful Listening
- Feb 2018 Modularization and Personalized Learning
- Nov 2017 Developing Rubrics for Effective and Efficient Grading
- Nov 2017 Learning Across Cultures: Benefitting from Student Diversity
- Oct 2017 Discussions that Work: Engaging Structures and Practical Facilitation Moves
- Sep 2017 CATLR 1:1 Consultation (Kelsey Bitting)
- Nov 2015 CATLR 1:1 Consultation (Laurie Poklop)

REPORT OF SERVICE TO INSTITUTIONS, THE PROFESSION, AND THE COMMUNITY

Committee Assignments

2024-present	Member, Tenure and Promotion Committee, Bouvé College of Health Sciences, Northeastern University
2022-present	Member, Curriculum Committee, School of Pharmacy and Pharmaceutical Sciences, Northeastern University
2019-present	Member, Northeastern University Human Subjects Research Review Committee (Institutional Review Board/IRB)
2017-present	Member, Tenure and Promotion Committee, Department of Pharmacy and Health Systems Sciences, Northeastern University (Chair since 2025)
2021-2023	Member, Faculty Workload Policy Task Force, Department of Pharmacy and Health Systems Sciences, Northeastern University
2020-2021	Member, Diversity, Equity and Inclusion Task Force, School of Pharmacy and Pharmaceutical Sciences, Northeastern University
2017-2024	Member and two years' Chair, Merit Committee, Department of Pharmacy and Health Systems Sciences, Northeastern University
2016-2021	Member, Assessment Committee, School of Pharmacy and Pharmaceutical Sciences, Northeastern University

Professional Societies

2019-present	Reviewer of contributed papers for the APhA Annual Meetings, poster judge, Economic, Social and Administrative Sciences (ESAS) Section
2019-present	American Pharmacists Association (APhA), Member
2018-present	Rho Chi National Honor Society, Member, Beta Tau Chapter
2016-present	AcademyHealth, reviewer of submitted abstracts for Annual Research Meeting (Behavioral Health Section; Medicare Section)
1996-present	AcademyHealth, Member
2019-2020	International Society for Bipolar Disorders, Committee Member, ISBD 2020 Chicago ExE Committee (Experts by Experience section)
2016	Chair and Discussant for Behavioral Health track session, "Early Results from ACA Initiatives to Expand Behavioral Health Coverage and Integration," at the AcademyHealth Annual Research Meeting
2011	Rapporteur for Economics track session, "Evaluating the Affordability of Medicines at the Household Level," at the 3 rd International Conference on Improving Use of Medicines (ICIUM) in Antalya, Turkey

Student Organization Advisory Roles

- 2023-present Digital Health Club, Northeastern University (inaugural)
- 2018-2023 Collegiate Healthy Eating and Exercise Project (CHEEP), Northeastern University (discontinued)
- 2017-2023 ReThink Your Drink (RTYD), Northeastern University (discontinued)

Ad Hoc Journal Reviewer

- 2025- Health Expectations
- 2024- JAPhA –Journal of the American Pharmacists Association
- 2022- Currents in Pharmacy Teaching and Learning
- 2022- Journal of Medical Economics
- 2021- Health & Social Care in the Community
- 2021- JAMA Health Forum
- 2020- Journal of Aging & Health
- 2019- Milbank Quarterly
- 2019- JAMA Internal Medicine
- 2018- Journal of Aging & Social Policy
- 2018- Research in Autism Spectrum Disorders
- 2018- Value in Health
- 2018- Journal of American Medical Informatics Association
- 2017- BioMed Central Health Services Research
- 2017- General Hospital Psychiatry
- 2017- Inquiry
- 2015- PLOS ONE
- 2015- Health Affairs
- 2009- Journal of Health Services Research & Policy
- 2009- CHEST
- 2009- Journal of General Internal Medicine
- 2007- Studies in Family Planning
- 2007- Health Services Research
- 2006- Lancet
- 2005- Health Policy
- 2003- JAMA
- 2003- Health Policy and Planning
- 2003- Pediatrics
- 2003- Medical Care
- 2003- Journal of Health Economics
- 1997- Social Science & Medicine

Grant Reviewer Activities

2019	Tufts CTSI Pilot Studies Program Review Committee Member
2018-present	TIER 1: Seed Grant/Proof of Concept Program Reviewer, Bouvé College of Health Sciences, Northeastern University
2009	NIH Challenge Grant Reviewer
2006-2015	Ad hoc reviewer of dissertation grant proposals for students in Harvard PhD Program in Health Policy
1998-2003	Ad hoc reviewer of grant proposals, Health Research Council of New Zealand.

Educational Outreach to the Community

(since hire at Northeastern U in 2015)

2021	Participated in publicity for <i>JAMA Health Forum</i> article on state drug benefit cap studies, including via Twitter, and interviews with reporters at US News and World Report, UPI and others, and a podcast of <i>JAMA Health Forum</i>
2020-2021	Participated in publicity for series of published manuscripts from our PCORI bipolar disorder study, via Twitters @NortheasternSOP, @DeptPopMed, @HealthPolicyDPM and with our patient advocate collaborators (DBSA)
2019	Worked with institutional media relations and interviewed with reporters at News@Northeastern, HealthDay, Bloomberg, and Boston Globe about Madden study in <i>JAMA IM</i> on food insecurity among Medicare beneficiaries
2016	Worked with institutional media relations and interviewed with reporters at Marketplace (public radio) and multiple health industry trade publications about Madden study in <i>JAMIA</i> on missingness in electronic health records

Volunteer Community Service

2022	Depression and Bipolar Support Alliance	Content expert participant, on Investigating Care Models to Support Older Adults with Depression and Health Comorbidities: A Convening, with NNDC and PCORI (a pair of virtual workshops)
2021	Depression and Bipolar Support Alliance	Content expert participant, Amplifying Peer Voices in Mood Disorders Research: A Convening to Advance Peer Priorities and Partnerships, with IPFCC and PCORI (a pair of virtual workshops)
2018	Depression and Bipolar Support Alliance	Content expert participant, full-day Patient Engagement/Stakeholder Workshop with FDA on Patient Reported Outcomes, Silver Spring, MD
2014-2018	Girl Scouts	Troop # 69201, Newton, MA

1996-1999	Spanish-English translator	Beth Israel Deaconess Hospital, Boston
1988-1989	World Teach Intern	Bonyunyu Mixed Secondary School, Kisii, Kenya
1987-1988	Volunteer ("of the Year")	Planned Parenthood League of Massachusetts
1984-1987	ESL Instructor	Center for Public Service, Brown University, Providence RI
1984-1987	Community Garden Project Volunteer	Brown U Center for Public Service in South Bronx, NY