

ERIN LINDSEY DUFFY

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Updated March 2024

EDUCATION

2019 Ph.D. Policy Analysis
Pardee RAND Graduate School, Santa Monica, CA

2012 M.P.H. Biostatistics and Epidemiology
Boston University, Boston, MA

2010 B.A. Religion
Wellesley College, Wellesley, MA

PROFESSIONAL EXPERIENCE

USC Leonard D. Schaeffer Center for Health Policy & Economics

2021-present Research Scientist
2024-present Director of Research Training
2019-2021 Postdoctoral Research Fellow
2018-2019 Contractor

RAND Corporation

2019-present Adjunct Policy Researcher
2015-2019 Assistant Policy Researcher

UCLA Department of Medicine Statistics Core

2014-2015 Principal Statistician
2013 Senior Statistician

Cambridge Public Health Department

2012 Epidemiology & Data Services Intern

Catholic Charities Refugee & Immigrant Services

2010-2011 Case Manager & Financial Specialist

TEACHING AND LECTURES

2020 Guest Lecturer, *Research Design*, University of Southern California

2020 Speaker, *Research Seminar Series*, Claremont Graduate University

2019 Panelist, *Protecting Americans From Surprise Billing Through State and Federal Legislation*, Texas Association of Health Plans

2019 Speaker, *Office of Undergraduate Research Summer Seminar Series*, California State Polytechnic University, Pomona

2019 Guest Lecturer, *Research Methods*, Claremont Graduate University

2017-2018 Teaching Assistant, *Research Methods*, Pardee RAND Graduate School

2017 Teaching Assistant, *Cost-Benefit and Cost-Effectiveness Analysis*, Pardee RAND Graduate School

RESEARCH FUNDING

Co-investigator, grants from Arnold Ventures: \$3.6M 2020-2023, \$1.6M 2024-2026.

PRESS AND POLICY IMPACT

Dr. Duffy's research on surprise medical billing has been cited in publications by the Medicare Payment Advisory Commission and Centers for Medicare & Medicaid Services, informed Congressional Budget Office analyses, and been featured in the New York Times, National Public Radio, and numerous industry publications.

PUBLICATIONS

In Preparation

Randall S, Rohr J, Wong N, Nguyen N, Trish E, **Duffy EL**. Secret Shopper Study: Underinsured Elective Surgery Patients (*Under Review*).

Duffy EL, Frasco M, Trish E. Disparate Patient Advocacy When Facing Unaffordable and Problematic Medical Bills (*Under Review*).

Frasco M, **Duffy EL**, Trish E. Public Perspectives on Hospital At-Home Care (*Under Review*).

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

McCormack G, Biener A, **Duffy EL**. The Next Generation Entering Medicare Uses More Mental Healthcare Than Past Entrants.

Biener A, **Duffy EL**. Racial and Ethnic Disparity in Young Adult Insurance Coverage.

McCormack G, Rohr J, **Duffy EL**, Biener A. Enrollment in Medicare is Associated with Fewer Mental Healthcare Visits.

Adler L, **Duffy EL**, Fiedler M, Ginsburg PB, Ly B, Trish E. The Impact of New York's Surprise Out-of-Network Billing Law on Payment Rates to Emergency Physicians.

Peer-Reviewed Publications

Duffy EL, Randall S, Green S, Trish E. Beyond Average Out-of-Pocket Spending for Commercial Insurance Enrollees: Distributional and Seasonal Trends, 2012-2021. *AJMC (Forthcoming)*.

Randall S, Wong N, Trish E, **Duffy EL**. Prevalence and Characteristics of Medical Payment Products at U.S. Hospitals. (*Forthcoming*).

Duffy EL, Green S, Randall S, Trish E. Deductible Double Jeopardy: More Out-Of-Pocket When Pregnancy Crosses Two Years. *AJMC (Forthcoming)*.

Kerber R, **Duffy EL**, Whaley C. (2023) Commercial Payments for COVID-19-Associated Inpatient Stays in 2020. *JAMA Health Forum*, 4(11):e233711.

Adler L, Ly B, **Duffy E**, Hannick K, Hall M, Trish E. (2023) Ground Ambulance Billing And Prices Differ By Ownership Structure. *Health Affairs*, 42(2):227-236.

Duffy EL, Biener A, Garmon C, Trish EE. (2022) Comparison of Estimated No Surprises Act Qualifying Payment Amounts and Payments to In-Network and Out-of-Network Emergency Medicine Professionals. *JAMA Health Forum*, 3(9):e223085.

Randall S, **Duffy EL**, Green S, Trish E. (2022) Insurers negotiate lower hospital prices for HIX than for commercial groups. *American Journal of Managed Care*, 28(9):e347-e350.

Reid RO, Tom AK, Ross RM, **Duffy EL**, Damberg CL. (2022) Physician Compensation Arrangements and Financial Performance Incentives in US Health Systems. *JAMA Health Forum*, 3(1):e214634.

Lin E, Ly B, **Duffy E**, Trish E. (2022) Medicare Advantage Plans Pay Large Markups To Consolidated Dialysis Organizations. *Health Affairs*, 41(8):1107-1116.

Duffy EL, Adler L, Chartock BL, Trish E. (2022) Dispute Resolution Outcomes for Surprise Bills in Texas. *JAMA*, 327(23):2350-2351.

Duffy EL, Ly B, Adler L, Trish E. (2021) Commercial and Medicare Advantage Payment for Anesthesiology Services. *American Journal of Managed Care*, 27(6):294-e299.

Chartock B, Adler L, Ly B, **Duffy E**, Trish E. (2021) Arbitration Over Out-Of-Network Medical Bills: Evidence From New Jersey Payment Disputes. *Health Affairs*, 40(1):130-137.

Ridgely MS, Buttorff C, Wolf LJ, **Duffy EL**, Tom A, Damberg CL, Scanlon DP, Vaiana ME. (2020) The Importance of Understanding and Measuring Health System Structural, Functional, and Clinical Integration. *Health Services Research, Special Issue: Comparative Health System Performance*, 55(S3):1049-1061.

Duffy, E.L., Ly, B., Adler, L., Trish, E. (2020) Policies to Address Surprise Billing Can Affect Health Insurance Premiums. *American Journal of Managed Care*, 26(9):401-404.

Duffy EL, Adler L, Ginsburg PB, Trish E. (2020) Prevalence And Characteristics Of Surprise Out-Of-Network Bills From Professionals In Ambulatory Surgery Centers. *Health Affairs*, 39(5):783-790.

Rudin RS, Fanta CH, Qureshi N, **Duffy E**, Edelen MO, Dalal AK, Bates DW. (2019) A Clinically Integrated mHealth App and Practice Model for Collecting Patient-Reported Outcomes between Visits for Asthma Patients: Implementation and Feasibility. *Applied Clinical Informatics*, 10(5):783-793.

Duffy EL. (2019) Influence of Out-of-Network Payment Standards on Insurer-Provider Bargaining: California's Experience. *American Journal of Managed Care*, 25(8):e294-e297.

Ridgely MS, **Duffy EL**, Wolf LJ, Vaiana ME, Scanlon DP, Buttorff C, Leitzell B, Ahluwalia S, Hilton L, Agniel D, Haviland A, Damberg CL. (2019) Understanding U.S. Health Systems: Using Mixed Methods to Unpack Organizational Complexity. *eGEMs (Generating Evidence & Methods to improve patient outcomes)*, 7(1):39.

Greiger C, Kranz A, Dick A, **Duffy EL**, Sorbero M, Stein B. (2018) Delivery of Preventative Oral Health Services by Rurality: A Cross-Sectional Analysis. *Journal of Rural Health*, 35(1):3-11.

Duffy EL, Kranz A, Dick A, Sobero M, Stein B. (2018) Association Between Type of Health Insurance and Children's Oral Health, NHANES 2011-2014. *Journal of Public Health Dentistry*, 78(4):337-345.

Kranz A, **Duffy EL**, Dick A, Sobero M, Stein B. (2018) Impact of Medicaid Policy on the Oral Health of Publicly Insured Children. *Maternal and Child Health Journal*, 23(1):100-108.

Popescu I, **Duffy E**, Mendelsohn J, Escarce J. (2018) Racial residential segregation, socioeconomic disparities, and the White-Black survival gap. *PLOS ONE*, 13(2):e0193222.

Fischer S, Armstrong C, **Duffy E**, Hussey P. (2017) A Mixed-Methods Evaluation of an Integrated Medication Management Program and Implications for Implementation. *Research in Social and Administrative Pharmacy*, 13(5):959-968.

Bauer EM, Ben-Artzi A., Duffy EL, Elashoff DA, Vangala SS, Fitzgerald J, Ranganath VK. (2017) Joint-specific Assessment of Swelling and Power Doppler in Obese Rheumatoid Arthritis Patients. *BMC Musculoskeletal Disord*, 18(1):99.

Naylor SL, **Duffy EL**, El-Farra NS, Diamant AL. (2016) Empowering Medical Students to Practice Value-based Care: A Prospective Cohort Study of an Educational Intervention. *Proceedings of UCLA Healthcare*, Vol. 20.

Miele C, Schwab K, Saggar R, **Duffy E**, Elashoff D, et al. (2016) Lung Transplant Outcomes in Systemic Sclerosis with Significant Esophageal Dysfunction: A Comprehensive Single Center Experience. *Annals of the American Thoracic Society*, 13(6):793-802.

Wallace B, Khanna D, Aquino-Beaton C, Singh JA, **Duffy E**, Elashoff D, Khannah PP. (2016) Performance of Gout Impact Scale in a Longitudinal Observational Study of Patients with Gout. *Rheumatology*, 55(6):982-90.

Ranganath VK, Motamedi K, Haavardsholm EA, Maranian P, Elashoff D, McQueen F, **Duffy EL**, Bathon JM, Curtis JR, Chen W, Moreland L, Louie J, Amjadi S, O'Dell J, Cofield SS, St.Clair EW, Bridges SL, Paulus HE. (2015) Comprehensive Appraisal of MRI Findings in Sustained RA Remission: Sub-Study of the TEAR Trial. *Arthritis Care & Research*, 67(7):929-39.

Apostolova LG, Di LJ, **Duffy E**, Brooks J, Elashoff D, Tseng CH, Fairbanks L, Cummings JL. (2014) Risk Factors for Behavioral Abnormalities in Mild Cognitive Impairment and Mild Alzheimer's Disease. *Dementia and Geriatric Cognitive Disorders*, 37(5-6):315-326.

Saggar R, Khanna D, Vaidya A, Derhovanessian A, Maranian P, **Duffy EL**, Belperio JA, Weigt SS, Dua S, Shapiro SS, Goldin JG, Abtin F, Lynch JP, Ross DJ, Forfia PR, Saggar R. (2014) Changes in Right Heart Haemodynamics and Echocardiographic Function in an Advanced Phenotype of Pulmonary Hypertension and Right Heart Dysfunction Associated With Pulmonary Fibrosis. *Thorax*, 69(2):123-129.

Grisby S, Miller M, Dunn JCY, Patel S, Elashoff D, **Duffy E**, Shapiro NL. (2013) Variations in Pre-Operative Management of Adolescents Undergoing Elective Surgery. *International Journal of Pediatric Otorhinolaryngology*, 77(5):770-775.

Reports

Ridgely MS, Timbie JW, Wolf LJ, **Duffy EL**, Buttorff C, Tom A, Vaiana ME. (2020) Consolidation by Any Other Name: The Emergence of Clinically Integrated Networks. Santa Monica, CA: RAND Corporation.

Duffy EL, Whaley CM, White C. (2020) The Price and Spending Impacts of Limits on Payments to Hospitals for Out-of-Network Care. Santa Monica, CA: RAND Corporation.

Eibner C, Whaley C, Kapinos K, Broten N, Irwin JL, Lanna S, Vaiana ME, **Duffy EL**, (2020) Getting to Affordability: Spending Trends and Waste in California's Health Care System. Sacramento, CA: California Health Care Foundation.

Adler L, Lee S, Hannick K, **Duffy E**. (2019) Provider charges relative to Medicare rates, 2012-2017. USC-Brookings Schaeffer Initiative for Health Policy. Washington, DC: The Brookings Institution.

Adler L, **Duffy E**, Ly B, Trish E. (2019) California saw reduction in out-of-network care from affected specialties after 2017 surprise billing law. USC-Brookings Schaeffer Initiative for Health Policy. Washington, DC: The Brookings Institution.

Adler L, Fiedler M, Ginsburg PB, Hall M, Trish E, Linke Young C, **Duffy EL**. (2019) State Approaches to Mitigating Surprise Out-of-Network Billing. USC-Brookings Schaeffer Initiative for Health Policy. Washington, DC: The Brookings Institution.

Farmer C, Tanielian T, Buttorff C, Carter P, Cherney S, **Duffy EL**, Hosek SD, Jaycox LH, Mahmud A, Pace NM, Skrabala L, Whaley C. (2018) Integrating Department of Defense and Department of Veterans Affairs Purchased Care: Preliminary Feasibility Assessment. Santa Monica, CA: RAND Corporation.

Reid R, **Duffy EL**, Cohen CC, Friedberg MW. (2018) Identification of Alternative Physician Assistant Recertification Models: An Analysis of the Landscape and Evidence Surrounding Approaches to Recertification in the Health Professions. Santa Monica, CA: RAND Corporation.

Tanielian T, Farmer CM, Burns RM, **Duffy EL**, Messan Setodji C. (2018) Ready or Not? Assessing the Capacity of New York State Health Care Providers to Meet the Needs of Veterans. Santa Monica, CA: RAND Corporation.

Mulcahy A, Hollands S, **Duffy EL**, Strong A, Wynn BO. (2017) Modeling the Economic Impact of a California Workers' Compensation Formulary. State of California Department of Industrial Relations.

Farmer C, Tanielian T, Fischer SH, **Duffy EL**, Dellva S, Butcher E, Brown K, Hoch E. (2017) Supporting Veterans in Massachusetts: An Assessment of Needs, Well-being, and Available Resources. Santa Monica, CA: RAND Corporation.

Commentaries

Reddy R, **Duffy EL**. "Congress Ends Surprise Billing – Implications for Payers, Providers, Patients" *American Journal of Managed Care*. 2021;27(8).

Duffy EL, Trish E, Adler L. “Surprise Medical Bills Increase Costs for Everyone, Not Just for the People Who Get Them” *The Conversation*. October 1, 2020.

Adler L, **Duffy EL**, Ginsburg P, Hall M, Trish E, Linke Young C. “Rep. Ruiz’s Arbitration Proposal For Surprise Billing (H.R. 3502) Would Lead To Much Higher Costs and Deficits” *Health Affairs Blog*. July 16, 2019.

Duffy E, Friedburg M, Whaley C, White C. “Addressing Surprise Medical Bills Without Raising the Cost of Health Care”. *The RAND Blog* and *The Hill*. March 31, 2019.

Duffy E, Dworsky M, Whaley C. “Can a Continuous Coverage Requirement Produce a Healthy Insurance Market?”. *The Hill*, January 4, 2017.

ABSTRACT PRESENTATIONS

Duffy EL, Green S, Trish E. “Seasonal and Distributional Trends in Plan and Patient Spending, 2012-2019” (Poster) *AcademyHealth*, Washington, D.C. 2021.

Duffy EL, Ly B, Adler L, Trish E. “Commercial and Medicare Advantage Payment for Anesthesiology Services” (Virtual Podium) *APPAM*, 2020

Duffy EL, Adler L, Ginsburg PB, Trish E. “Surprise Medical Bills in Ambulatory Surgery Centers: Prevalence, Magnitude, and Attributes of Providers and Health Plans” (Podium) *APPAM*, Denver 2019.

Duffy EL, Adler L, Ginsburg PB, Trish E. “Surprise Medical Bills in Ambulatory Surgery Centers: Prevalence, Magnitude, and Attributes of Providers and Health Plans” (Podium) *AcademyHealth*, Washington, D.C. 2019.

Duffy EL “Stakeholder Perspectives and Early Responses to California’s Surprise Medical Billing Law (AB 72)” (Poster) *APPAM*, Washington, D.C 2018

Duffy E, Saya U, Lui J, Nie X, Hussey P, White C. “Inequality in Generosity of Provider Payments has Risen Since 2000” (Poster) *AcademyHealth*, New Orleans 2017.

Popescu I, **Duffy E**, Escarce J. “The Relationship between metro-area racial residential segregation and black-white disparities in survival” (Poster) *AcademyHealth*, Boston 2016.

Duffy EL, Dudovitz R, Elashoff D. “Modeling the Impact of a School-based Optometry Intervention on Longitudinal Academic Performance Measures” (Poster) *JSM*, Seattle 2015.

Duffy EL, Escarce J, Huckfeldt P, Goutam P, Popescu I. “Hospital Choice Behavior for Coronary Heart Disease: The Role of Hospital Racial Composition” (Poster) *AcademyHealth*, Minneapolis 2015.

Duffy EL, Shea K. “Effect of County-level Pertussis Vaccine Coverage on County-level Pertussis Incidence Rates in California during the 2010 Pertussis Epidemic” (Poster) *IDSA*, San Diego 2012.

HONORS AND AWARDS

2018-2019 RAND Health Dissertation Funding (\$25,000)

2017-2018 The Anne and James Rothenburg Dissertation Award (\$10,000)
2017 Impact Award, RAND Corporation
2017 Spotlight-Innovation Award, Pardee RAND Graduate School
2014-2016 Staff Appreciation and Recognition Award, UCLA Department of Medicine
2010 Honors Distinction in Religious Studies, Wellesley College
2010 Magna Cum Laude Honors, Wellesley College
2010 Phi Beta Kappa Honors Society, Wellesley College
2010 Madeleine Korbelt Albright Institute for Global Affairs Fellowship

PROFESSIONAL ACTIVITIES

2021 Abstract Reviewer, AcademyHealth Annual Research Meeting
2021-present Reviewer, *New England Journal of Medicine*
2020 Podcast guest, *Managed Care Cast*
2019-present Reviewer, *Health Affairs*
2019-present Reviewer, *American Journal of Managed Care*
2019-present Member, American Society of Health Economists
2017-present Member, Association for Public Policy Analysis & Management
2015-present Member, AcademyHealth