

Brandyn F. Churchill
Curriculum Vitae, April 9th, 2024

University of Massachusetts Amherst
Department of Resource Economics
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Academic Appointments

Assistant Professor, Resource Economics, University of Massachusetts Amherst, 2022 - *Present*
Research Assistant Professor, Economics, Vanderbilt University, 2021 - 2022

Education

Vanderbilt University, Ph.D. in Economics, 2021, M.A. in Economics, 2018
Committee: Christopher S. Carpenter, Lesley J. Turner, Analisa Packham, and Carolyn J. Heinrich
San Diego State University, M.A. in Economics, 2016
Washington and Lee University, B.A. in Economics, 2014

Research and Teaching Fields

Health Economics, Public Policy, Labor Economics, Economic Demography

Publications

- (13) “Effect of Vaccine Recommendations on Consumer and Firm Behavior,” with Laura E. Henkhaus and Emily C. Lawler, Accepted at *Journal of Policy Analysis and Management*
- (12) “‘There She Is, Your Ideal’: Negative Social Comparisons and Health Behaviors,” with Christopher S. Carpenter, Accepted at *Journal of Human Resources*, previously released as *NBER Working Paper No. 31156*, doi: 10.3368/jhr.0522-12347R1
- (11) “State-Mandated School-Based BMI Assessments and Self-Reported Adolescent Health Behaviors,” Accepted at *Journal of Policy Analysis and Management*, 43(1): 63-86, doi: 10.1002/pam.22523
- (10) “The Roles of Cost and Recommendations in Driving Vaccine Take-Up: Evidence from the Herpes Zoster Vaccine for Shingles Prevention,” with Laura E. Henkhaus, Accepted at *American Journal of Health Economics*, 9(4): 523-551, doi: 10.1086/723541
- (9) “State SUNucate Laws, the Popularity of Google Searches for Terms Related to Sun Protection, and Youth Sunscreen Use,” with Christopher S. Carpenter, Michelle M. Marcus, and Mary-Margaret Chren *Health Behavior and Policy Review*, 10(4): 1324-1332.
- (8) “Bad Lighting: Effects of Youth Indoor Tanning Prohibitions,” with Christopher S. Carpenter and Michelle M. Marcus (2023) *Journal of Health Economics*, 88: 102738, doi: 10.1016/j.jhealeco.2023.102738, previously released as *NBER Working Paper No. 29443*
- (7) “The Effect of State E-Verify Mandates on Crime,” with Andrew Dickinson, Taylor Mackay, and Joseph J. Sabia (2022) *Industrial and Labor Relations Review*, 75(5): 1294-1320, doi: 10.1177/00197939211044449, previously released as *IZA DP No. 12798*
- (6) “Immigration Enforcement and Infant Health,” with Catalina Amuedo-Dorantes and Yang Song

(2022) *American Journal of Health Economics*, 8(3): 323-358, doi: 10.1086/718510, previously released as *IZA DP No.13908*

- (5) “How Important is the Structure of School Vaccine Requirement Opt-Out Provisions? Evidence from Washington, DC’s HPV Vaccine School Requirement,” (2021) *Journal of Health Economics* 78: 102480, doi: 10.1016/j.jhealeco.2021.102480
- (4) “E-Verify Mandates and Unauthorized Immigrants’ Access to Employer-Sponsored Health Insurance,” (2021) *Southern Economic Journal*, 88(2): 487-526, doi: 10.1002/soej.12535
- (3) “Insurance Coverage, Provider Contact, and HPV Vaccination,” (2021) *American Journal of Health Economics* 7(2): 222-247, doi: 10.1086/713037
- (2) “Driver’s Licenses, Unauthorized Immigrants, and Auto Insurance,” with Taylor Mackay and Bing Yang Tan (2021) *Contemporary Economic Policy* 39(1): 107-125, doi: 10.1111/coep.12492
- (1) “The Effects of Minimum Wages on Low-Skilled Immigrants’ Wages, Employment, and Poverty” with Joseph J. Sabia (2019) *Industrial Relations* 58(2): 275-314, doi: 10.1111/irel.12232

Working Papers

“Government Recommendations and Health Behaviors: Evidence from Breast Cancer Screening Guidelines” with Emily C. Lawler

We provide novel evidence on how health care decision-making responds to changes in government recommendations by studying the United States Preventive Services Task Force’s 2009 decision to stop recommending mammogram screenings for women aged 40-49. Using a difference-in-differences identification strategy, we find post-period reductions in mammography for targeted women relative to their older counterparts. We also identify large spillovers onto women aged 35-39 who were subsequently less likely to receive a mammogram recommendation or a mammogram. Additional analyses suggest the revision reduced overdiagnosis of early-stage tumors. Finally, we find that the 2009 update increased confusion about recommendations for preventing cancer.

“Effects of Environmental Exposures on Weight-Related Behaviors and Outcomes” with Sparshi Srivastava

We provide novel evidence on the role of environmental exposures in shaping weight-related goals, behaviors, and outcomes. Using data from the 1991-2010 Behavioral Risk Factor Surveillance System and an identification strategy leveraging temperature deviations from local seasonal norms, we show that adults were less likely to report trying to lose weight, dieting to lose weight, and exercising to lose weight when temperatures fell below 20-25°C (68-77°F). We then show that temperature increases were associated with increases in respondents’ weekly servings of fruits and vegetables and the number of minutes they spent engaged in moderate or vigorous physical activity. Despite these behavioral changes, we find no evidence of a relationship between temperature and BMI.

Work in Progress

“Relative Age, Self-Image, and Weight-Related Health Behaviors” with Christopher S. Carpenter

“Appearance-Based Bullying and Psychological Health of Overweight and Obese Teens: Evidence from Anti-Bullying Laws” with Bijesh Gyawali and Joseph J. Sabia

“Public Funding and Disease Prevention: Evidence from Funding Awards to Promote HPV Vaccination”
with Christopher S. Carpenter and Emily C. Lawler

“Supply-Side Opioid Restrictions and the Retail Pharmacy Market” with Anne M. Burton

Research Presentations

- 2024 Workshop on the Economics of Risky Behavior*, NBER Program on Children*, University of Massachusetts Amherst
- 2023 American University, Southern Economic Association, Association for Public Policy Analysis and Management, London School of Economics and Political Science, Tufts University, Western Economic Association, American Society of Health Economists, Electronic Health Economics Colloquium, University of Massachusetts Amherst
- 2022 Southern Economic Association (× 2), Association for Public Policy Analysis and Management, Rensselaer Polytechnic Institute, NBER Summer Institute Health Care Program, American Society of Health Economists (× 3), NBER Program on Children, University of Massachusetts Amherst, University of Oklahoma, Fordham University, University of Memphis, University at Buffalo, University of Washington CHOICE Institute, Vanderbilt University, Haverford College
- 2021 NBER Health Economics Program, Southern Economic Association, Johns Hopkins Bloomberg School of Public Health, Canadian Health Economics Study Group, University of Tennessee Health Science Center, Carleton University, Mathematica, American Society of Health Economists, Vanderbilt University
- 2020 Association for Public Policy Analysis and Management, Eastern Economic Association, San Diego State University CHEPS, Vanderbilt University Health Policy, Vanderbilt University, Population Association of America

* = Scheduled

Honors and Fellowships

- APPAM Dissertation Award Honorable Mention, 2021
Walter B. Noel Dissertation Fellowship, 2020
Center for Growth and Opportunity, 2019
Household International Award for Best Research Paper, 2019
Kirk Dornbush Summer Research Grant, Vanderbilt University, 2017
Graduate Student Fellowship, Vanderbilt University, 2016-2021
Center for Public Economics Scholarship, San Diego State University, 2016
McCuen Endowed Economics Scholarship, San Diego State University, 2014-2016
Chaos Society Scholarship, Washington and Lee University, 2010-2014
Johnston Scholarship, Washington and Lee University, 2010-2014

Teaching Experience

- University of Massachusetts Amherst
Managerial Economics (RES-ECON 428): Spring 2023 (2)
Washington and Lee University
Applied Statistics (INTR 202): Winter 2020, Fall 2020 (2), Winter 2021 (2)
Vanderbilt University

Principles of Macroeconomics (ECON 1010): Summer 2019
San Diego State University
Principles of Economics (ECON 101) Fall 2015 (2), Spring 2016

Professional Affiliations

American Economic Association
American Society of Health Economists
Association for Public Policy Analysis and Management
Special Sworn Status, US Census Bureau
Southern Economic Association

Referee Service

American Journal of Health Economics (2), American Journal of Preventive Medicine, AJPM: Focus, BMC Public Health, Health Economics (5), Industrial Relations: A Journal of Economy and Society, International Migration Review, Journal of Agricultural and Resource Economics, Journal of Comparative Economics, Journal of Health Economics (9), Journal of Human Resources (3), Journal of Policy Analysis and Management, Journal of Risk and Uncertainty, Journal of the Royal Statistical Society-Series A, Journal of Rural Health, North American Actuarial Journal, Population Research and Policy Review, Public Choice

Conference Session Organizer

American Society of Health Economists (2022 × 2, 2022 × 3), Association for Public Policy Analysis and Management (2022, 2023), Southern Economic Association (2022 × 2)

Conference Session Chair

Allied Social Science Association (2022, 2023), American Society of Health Economists (2022, 2023), Association for Public Policy Analysis and Management (2023), Southern Economic Association (2022)

Conference Discussant/Abstract Reviewer

Allied Social Science Association (2023), American Society of Health Economists (2022 × 2, 2023 × 4), Association for Public Policy Analysis and Management (2022, 2023 × 2); Southern Economic Association (2019, 2022, 2023)

Other Conference Attendance

NBER Longer-Term Economic and Health Effects of COVID-19 (02/2024), NBER Economics of Health Program (05/2019, 12/2020, 07/2021, 07/2022, 12/2022, 07/2023, 12/2023), Association for Public Policy Analysis and Management (2021), Allied Social Science Association (2021, 2024), NBER: Improving Health Outcomes for an Aging Population (2021), Indiana University – Risky Health Behaviors Mini Conference (2019, 2021), American Society of Health Economists (2018, 2019, 2020), Southeastern Health Economics Study Group (2017, 2018, 2019), Southern Economic Association (2015, 2016)

Other Service

University of Massachusetts Amherst Undergraduate Studies Committee: Fall 2022, Fall 2023, Spring 2024
University of Massachusetts Amherst Hiring Committee: Fall 2023
University of Massachusetts Amherst Computers Committee: Spring 2023, Fall 2023, Spring 2024
ASHEcon Newsletter Coeditor: 2022 - *Present*
UMass Amherst Health Economics Work-in-Progress Series Organizer: 2022 - *Present*
UMass Amherst Graduate Student Advising Group Organizer: Spring 2023

Advising

Sparshi Srivastava '24 (committee member; in progress)

Selected Media Coverage

New England Public Media, May 25, 2023, *Research Suggests Beauty Pageant News Coverage Worsens Body Image Among Teens, Young Women* (<https://www.nepm.org/regional-news/2023-05-25/research-suggests-beauty-pageant-news-coverage-worsens-body-image-among-teens-young-women>)

Duluth News Tribune, February 2, 2023, *In Response: Expanding Driving Privileges Would Benefit All Minnesotans* (<https://www.duluthnewstribune.com/opinion/columns/in-response-expanding-driving-privileges-would-benefit-all-minnesotans>)

Boston Globe, August 22, 2022, *Fear and Loathing of Immigrants Drives License Ballot Question* (<https://www.bostonglobe.com/2022/08/22/opinion/fear-loathing-immigrants-drives-license-ballot-question>)

Tradeoffs, January 14, 2022, *How Immigration Enforcement Can Affect Newborns' Health* (<https://tradeoffs.org/2022/01/14/immigration-undocumented-newborns-infants>)

Tradeoffs, May 20, 2021, *Calling the Shots: Should Employers Mandate the COVID Vaccines?* (<https://tradeoffs.org/2021/05/20/calling-the-shots-should-employers-mandate-covid-vaccines>)

References

Christopher S. Carpenter
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Assistant Professor of Economics
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Associate Professor of Public Policy
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