

Mariana P. Carrera

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CURRENT APPOINTMENTS:

Associate Professor of Economics, Montana State University (2022-)
Faculty Research Fellow, NBER (2021-)
Senior Scholar, Center for Health Care Research and Policy, MetroHealth Hospital (2016-)

PAST APPOINTMENTS:

Assistant Professor of Economics, Montana State University (2018 - 2022)
Assistant Professor of Economics, Case Western Reserve (2011- 2018)

EDUCATION:

Ph.D. Economics. University of California, Berkeley, 2011
B.S. Economics and Political Science. Duke University, *magna cum laude*, 2004

RESEARCH FIELDS:

Health Economics, Behavioral Economics, Applied Microeconomics

PUBLICATIONS:

“Generic Aversion and Observational Learning in the Over-the-Counter Drug Market” with Sofia Villas-Boas. Conditionally accepted at *American Economic Journal- Applied Economics*.

“Who Chooses Commitment? Evidence and Welfare Implications” with Heather Royer, Mark Stehr, Justin Sydnor and Dmitry Taubinsky. *The Review of Economic Studies*, Forthcoming.

“Population Mortality and Laws Encouraging Influenza Vaccination for Hospital Workers.” (with Emily Lawler and Corey White) *Annals of Internal Medicine*, Jan 2021.

“Do Health Risk Assessments Change Eating Habits at the Workplace?” (with Silvia Prina and Ayesha Hasan) *Journal of Economic Behavior & Organization*, April 2020: 172.

“The Structure of Health Incentives: Evidence from a Field Experiment” (with Heather Royer, Mark Stehr, and Justin Sydnor) *Management Science*, May 2020: 66(5).

“The Limits of Simple Implementation Intentions: Evidence from a Field Experiment on Making Plans to Exercise” (with Heather Royer, Mark Stehr, Justin Sydnor, and Dmitry Taubinsky) *Journal of Health Economics*, November 2018: 62.

- cited in [Washington Post](#)

“Can Financial Incentives Help People Trying to Establish New Habits? Experimental Evidence with New Gym Members” (with Heather Royer, Mark Stehr, and Justin Sydnor) *Journal of Health Economics*, March 2018: 58(1).

- cited in [Wall Street Journal](#), [Washington Post](#), [Crain’s Cleveland Business](#), and [New York Post](#)

“Do Physicians Respond to the Costs and Cost-Sensitivity of their Patients?” (with Dana Goldman, Geoffrey Joyce, and Neeraj Sood) *American Economic Journal- Economic Policy*, Feb 2018: 10(1).

- cited in [Chicago Policy Review](#), [AEA: Research Highlights](#)

“Physicians are more likely than non-physicians to use brand-name drugs to treat their chronic conditions” (with Niels Skipper) *Journal of Epidemiology and Community Health*, Sep 2017: 71(9).

“Physician Prescribing Behavior and its Impact on Patient Outcomes” (with Dana Goldman, Geoffrey Joyce, and Neeraj Sood) *American Journal of Managed Care*, Dec 2011: 17(12).

WORKING PAPERS:

“Do Physicians Follow the Golden Rule? New evidence on imperfect agency” with Niels Skipper.

We use a unique dataset from Denmark on prescription drug claims for cholesterol-lowering drugs to explore whether physicians choose different drugs for themselves than for their patients. In the statin drug class, the Danish government recommends the first-line use of simvastatin as opposed to the newer, more costly, and more potent Lipitor and Crestor. We find that physicians are more likely to use these newer statins for their own treatment than for their patients. Furthermore, physicians’ personal use of Crestor increases in response to new evidence about its clinical efficacy. Our findings suggest that physicians discount patient utility relative to their own, and thus are more willing to trade off government costs for clinical benefit when they themselves receive the clinical benefit.

WORK-IN-PROGRESS:

“Social Norms, Social Recognition, and COVID-19 Vaccination”

“Do planning prompts increase gym attendance? A randomized field experiment”
with Heather Royer, Mark Stehr, Justin Sydnor and Dmitry Taubinsky.

“Incentives and Participation in Health Risk Assessments: A randomized field experiment” with Silvia Prina

MEDIA PUBLICATION:

Op-ed published in *Cleveland Plain Dealer* on the economics of the measles resurgence. May 2015
http://www.cleveland.com/opinion/index.ssf/2015/05/why_vaccinating_our_child_is_a.html

RESEARCH FUNDING:

MSU Initiative for Regulation and Applied Economic Analysis Fellowship Renewal, “U.S. Healthcare System and Market Forces,” \$23,000: 2020-2021

MSU Initiative for Regulation and Applied Economic Analysis Fellowship, “U.S. Healthcare System and Market Forces,” \$46,000: 2018-2020

National Institute of Health R21 AG042051 (PI: Heather Royer): “Commitment Contracts for Health-Behavior Change,” \$126,966: 2012-2014.

Weatherhead School of Management Intramural Funding “Helping People Eat Healthier: Is there an appetite for pre-commitment?” \$2,500 (with Silvia Prina), 2013-2014.

Weatherhead School of Management Intramural Funding “Discounts for healthy food: Can they change the eating habits of the unhealthy?” \$2,500 (with Silvia Prina), 2014-2015.

Weatherhead School of Management Intramural Funding “Commitment and Accountability for exercise habit formation” \$2,500, 2016-2017.

HONORS AND AWARDS:

Outstanding Reviewer, *Economic Inquiry*, 2019

Research Fellow, MSU Initiative for Regulation and Applied Economics, 2018-present

Nomination, Carl F. Wittke Award for Excellence in Undergraduate Teaching (2018)

Nomination, Weatherhead Undergraduate Teaching Award (2014, 2017, 2018)

Teaching Award, Wolstein Society (2015)

ASHEcon Scholarship, National Institute of Aging (2012)

U.C. Berkeley Chancellor’s Fellowship (2008-2010)

Institute of Business and Economics Research (IBER) Mini-grant (2009)

Outstanding Graduate Student Instructor, U.C. Berkeley (2009)

National Science Foundation Graduate Research Fellowship (2005-2008)

University Scholarship (4 year, full-tuition merit scholarship), Duke University (2000-2004)

U.S. Presidential Scholar (2000)

RESEARCH SEMINARS AND CONFERENCE PRESENTATIONS:

2021: Economic Science Association

2019-2020: American Society of Health Economics (ASHEcon), Economic Science Association (ESA)

2018-2019: ASHEcon, Montana State University, Advances in Field Experiments at Boston University

2017-2018: Advances in Field Experiments Conference at University of Chicago.

2016-2017: University of Houston, Cleveland State University, PENN/CHIBE Annual Retreat, ASHEcon, Advances in Field Experiments at University of Chicago.

2014-2015: AEA/ASSA Conference, Kent State University, American Society of Health Economics (ASHEcon), Vanderbilt University.

2013-2014: NBER Summer Institute, Aarhus University, Norwegian School of Economic, Midwest Economics Association Duke University, UC Berkeley, University of Akron.

2012-2013: American Society of Health Economics (ASHEcon), Indiana University, Case Western Reserve University, PENN/CHIBE Symposium on Behavioral Economics and Health, Midwest Biostatistics Workshop.

2010-2011: Cornell University, University of Pittsburgh, University of Iowa, University of Southern California, UC Berkeley, Case Western Reserve University.

TEACHING:

Department of Agricultural Economics & Economics, Montana State University

ECNS 204: Microeconomics: Fall 2020, Fall 2021, Fall 2022

ECNS 451: Behavioral and Experimental Economics: Fall 2018, Fall 2019, Spring 2021, Spring 2022

ECNS 310: Health Economics: Spring 2019, Spring 2020, Spring 2021, Spring 2022

ECNS 569: Research Methodology (co-instructor): Fall 2021

Department of Economics, Case Western Reserve University

Econ 330: Economic Behavior and Psychology: Fall 2011, Fall 2012, Fall 2013, Fall 2015, Spring 2016, Fall 2016, Fall 2017, Spring 2018

Econ 326: Econometrics: Spring 2012, Spring 2013, Spring 2014, Spring 2015, Spring 2018

Econ 102: Principles of Microeconomics: Fall 2013, Spring 2016

Department of Economics, University of California, Berkeley

Econ 101A: Intermediate Microeconomics (Graduate student instructor, 2008, 2009)

AEA Summer Training Program, University of California, Santa Barbara (Summer 2008)

Microeconomics—Game Theory and Behavioral Economics, Empirical Research Training

ADVISING:

Montana State University

Undergraduate Research Fellows, MSU Initiative for Regulation and Applied Economics: Kenny Evans (2020), Logan Yates (2020)

Undergraduate Independent Study: Gloria Baldevia (2021), Marty Smith (2021)

Master's Theses: Ronald T. Worley (Co-chair, 2020), Md Tahmeed Hossain (Committee, 2021), Katie Flavirn (Chair, projected 2023), Trevor Vogel (Chair, projected 2023).

Case Western Reserve University

PhD Thesis: Richard Martin (Committee, 2019)

Undergraduate Honors Theses: Trista Li (2012), Daniel Yirinec (2013), Ayesha Hasan (2014), Laura Mummey (2017).

External Committee Member

PhD Thesis: Zachary Sturman, Vanderbilt student, projected 2023.

SERVICE:

Professional

Reviewer: *American Economic Review, Journal of Political Economy, Review of Economics and Statistics, Review of Economic Studies, Journal of Human Resources, Journal of European Economic Association, Economic Inquiry, American Economic Journal-Applied, American Economic Journal-Economic Policy, Journal of Public Economics, Journal of Health Economics, American Journal of Health Economics, Journal of Applied Econometrics, Experimental Economics, Social Science and Medicine, Journal of Population Economics, Review of Industrial Organization, Operations Research.*

Session Chair, American Society of Health Economists, St. Louis, MO. (2020).

Session Chair, American Economic Association, San Diego, CA. (2020).

Session Organizer and Chair, American Economic Association, Philadelphia, PA. (2014).

Session Chair, Midwest Economics Association, Columbus, OH. (2013).

Discussant, American Society of Health Economics, Minneapolis, MN. (2012).

Montana State University (MSU)

Committee Member, College of Letters & Sciences Awards Committee (2021- Present)

Workshop Organizer: “Health Insurance Access: Lessons and Priorities for the Next Decade” (2021)

MSU Department of Agricultural Economics & Economics- Montana State University

Committee Member, Advisory Committee (2020- Present)

Organizer, Department Seminar Series (2020 - 2021)

Committee Member, Graduate Studies Committee (2018 - 2020)

Presenter, several workshops and seminars organized by the DAEE and the MSU Economics Club.

Case Western Reserve University (CWRU)

Committee Member, Learning Management Systems Evaluation. (2015 - 2018).

Committee Member, Health Advisory Committee. (2013 - 2018).

Guest Speaker, Friday Public Affairs Lunch. (2012).

Presenter, Alumni Weekend Panel on Healthcare. (2012).

CWRU Economics Department- Case Western Reserve University

Committee Member, Visitor Search Committee. (2014).

Committee Chair, Economics Department Newsletter. (2012 - 2018).

Committee Member, Economics Seminar Series. (2011 - 2018).

Committee Member, Recruiting Committee. (2012 - 2013).

Committee Chair, Promotional Alumni Videos for Website. (2012).

Committee Member, Recruiting Committee. (2011 - 2012).

OUTREACH:

“Economics, Externalities, and Policy Responses to the COVID-19 Pandemic” Guest lecture to SOC course on “The Sociology of Pandemics” (April 12, 2022)

“The Mortality Effects of State Laws encouraging Hospital Worker Influenza Vaccination” Research presentation to MSU Economics Club (3/4/2021)

“The Economics of Vaccination Subsidies, Incentives, and Policies” public lecture through MSU Extension’s “COVID-19 Conversations with Montana Experts” series (11/18/2021)

“Health Insurance Access: Lessons and Priorities for the Next Decade” Organizer of IRAEA Workshop for Montana stakeholders (1/12/2021)

“Health care and the COVID-19 pandemic in the 2020 Election” Guest lecture to ECNS 394 course on “Biden and Trump: Policy and Economics in the 2020 Presidential Election” (9/9/2020)

“Did stay-at-home restrictions work? State mandates and the spread of COVID-19.” Public presentation for *MSU Extension* Webinar Series “Economic Impacts of Coronavirus in Montana” (5/7/2020)

“How did we get here? The Spread of COVID-19 and Efforts to Flatten the Curve.” Presentation to Bozeman Rotary Club (4/21/2020)

“Are there Gender Differences in Publishing and Promotion Decisions? Empirical Evidence from Economics Research Articles.” Presentation to MSU Economics students attending “Women in Economics” forum. (4/17/2019).

PROFESSIONAL DEVELOPMENT ACTIVITIES

Safe Zone, Level 1 Training. Diversity and Inclusion Student Commons, Montana State University (2020)

Workshop, “Faculty Success Program,” National Center for Faculty Development and Diversity, (Summer 2018).

Faculty Fellowship, "Diversity Initiatives for Tenure in Economics- Fellow," National Science Foundation, Duke University's Office of the Provost, and Duke University's Department of Economics. (2012 - 2013).

Workshop, "To Tenure and Beyond," Institutions Developing Excellence in Academic Leadership (IDEAL) an NSF-PAID program. (2012).

OTHER EXPERIENCE

RAND, Santa Monica, California: Summer Associate and Adjunct Research Fellow (2009-2010)

ICF Consulting, Fairfax, Virginia: Research Assistant (2004-2005)

PROFESSIONAL AFFILIATIONS

Member: American Economic Association, American Society of Health Economists, Economic Science Association, Western Economic Association International

LANGUAGES AND CITIZENSHIP

English (native), Spanish (fluent), French (proficient), Italian (basic)
U.S. Citizen