

Karna Malaviya

UC San Diego Economics Department

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EDUCATION

PhD Candidate, Economics, University of California - San Diego

2021–2026 (Anticipated)

- Fields: Public Economics, Health Economics, Labor Economics
- Placement Director: Prashant Bharadwaj (email: econ-jobmarket@ucsd.edu)

BA with Distinction, Economics (Mathematics Minor), Cornell University

2014–2018

- *summa cum laude*
- Thesis: “Scoring the Scorecard: The Effect of the College Scorecard on Postsecondary Enrollment”
Advisor: Michael Lovenheim

REFERENCES

Professor Itzik Fadlon (Chair)
fadlon@ucsd.edu

Professor Jeff Clemens
jeffclemens@ucsd.edu

Professor Julie Cullen
jbcullen@ucsd.edu

RESEARCH

The Propagation of FDA Regulatory Enforcement Through Drug Supply Chains (*Job Market Paper*)

The Food and Drug Administration (FDA) upholds the safety of US drug supply, but persistent shortages and concentration in manufacturing have raised concerns that the agency’s regulatory enforcement actions may disrupt access to essential medicines. I study this trade-off between access and safety by estimating the causal effects of FDA enforcement at upstream drug manufacturing facilities on downstream hospitals and the patients they serve. Linking Medicare claims to newly assembled data on the origin facilities of sterile injectable opioid drugs, I find that enforcement causes substantial production disruptions, reducing volume from the implicated facility by one-third. Yet, responses by other elements of the supply chain provide resilience: hospitals draw on multi-sourced procurement networks to rapidly substitute to alternative suppliers, such that more-exposed hospitals experience no detectable declines in drug supply relative to less-exposed hospitals. Even in high-risk conditions under which supply does decline—among rural hospitals and when enforcement occurs during critical shortages—the disruption does not compromise patient health or quality of care. These findings suggest that, despite concerns about fragility in this setting, FDA enforcement in concentrated supply chains shields patients from drugs produced at non-compliant facilities while maintaining access and quality of care.

How does Outsourcing affect Access and Quality of Care in Hospitals? Evidence from Compounded Sterile Injectable Drugs

Telehealth Emergency Department Transition-of-Care Program: A Value-based Innovation (*Published in Western Journal of Emergency Medicine*)

with: Allyson Kreshak, Itzik Fadlon, Vaishal Tolia, Lindsey Pierce, Parag Agnihotri, Brian Kwan, Eric Williamson, Jeffrey Mueller, Ming Tai-Seale

The Correlates of Pandemic Learning Loss: Results for a Student-Level Analysis of California

with: Julian Betts, Anjali Pai, Laura Hill, Jonathan Isler, Julien Lafortune, Thomas Pearson, Dinar Polichar, Emmanuel Prunty, Andrew Zau, Niu Gao

RELEVANT POSITIONS HELD

Graduate Student Researcher, Itzik Fadlon

2023–2024

Graduate Student Researcher, Julian Betts

2023

HONORS, GRANTS, & AWARDS

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|-----------------------------------------------------------------------------|------------------|
| Economics Department TA Excellence Award | 2024, 2025 |
| Yankelovich Center Graduate Research Grant | 2025 |
| Economics Department Research Grant | 2024, 2025 |
| Summer Graduate Research Fellowship | 2022, 2023, 2024 |
| Regents Fellowship, UCSD | 2021 |
| Uri M. Possen Memorial Award, Best Undergraduate Economics Thesis (Cornell) | 2018 |
| Phi Beta Kappa, Junior Inductee, Top 3% in College (Cornell) | 2017 |
| Omicron Delta Epsilon (Cornell) | 2017 |
| Pauline and Irving Tanner Dean's Scholar (Cornell) | 2014–2018 |

TEACHING EXPERIENCE

Teaching Assistant, University of California - San Diego Economics Department

- ECON 100A - Intermediate Microeconomics (x6)
- ECON 120A - Intermediate Econometrics
- ECON 5 - Data Analytics
- ECON 147 - Economics of Education

PROFESSIONAL EXPERIENCE

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|----------------------------------------------------------------------------------|-----------|
| Senior Research Analyst, The Brattle Group | 2018–2021 |
| Research Intern, The Hamilton Project at The Brookings Institution | 2017 |
| Research Intern, Council of Economic Advisers, Executive Office of the President | 2016 |

OTHER

Programming: Stata, R, Python, SQL, \LaTeX

Languages: English (*native*), French (*advanced*), Italian (*intermediate*)

Citizenship: United States

Interests: running, photography, cooking, Milwaukee Bucks basketball, Duolingo