



Nathaniel D. Mark
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RESEARCH INTERESTS **Health Economics, Industrial Organization, Applied Econometrics**

EDUCATION **Columbia University**, New York, NY

Ph.D. in Economics, Expected 2021

M.Phil. in Economics, 2018

M.A. in Economics, 2017

- Field Specializations: *Industrial Organization* and *Econometrics*
- Advisors: *Prof. Kate Ho, Prof. Bernard Salanié, Prof. Ashley Swanson*

London School of Economics, London, UK

M.Sc., Economics, with Merit, July 2015

- Specialization: *Industrial Organization*

The Johns Hopkins University, Baltimore, MD

B.A., Economics, with Departmental and General Honors, May 2014

- Major: *Economics*
- Minors: *History, Mathematics, and Applied Mathematics and Statistics*

JOB MARKET PAPER **"Access to Care in Equilibrium"**

Abstract: This paper studies access to care as an equilibrium outcome of a market without prices. I estimate an empirical matching model where patients match with physicians, using data from the Northern Ontario primary care market. In the model, the market is cleared by a non-price mechanism: the effort it takes to find a physician. The estimated model is used to study the distribution and determinants of access to care and to evaluate the effectiveness of policy remedies. I find that access to care is low and unevenly distributed. I estimate that 26% of patients who would see a physician in a full access environment do not receive care in 2014. Physicians discriminate in favor of patients with higher expected utilization, thereby increasing access to care for older and sicker patients while decreasing access to care for younger and healthier patients. Rural areas have lower access to care than urban areas. In urban areas, low access to care is driven by physician capacity constraints. In rural areas, low access to care is driven by travel costs. I study the effect of a physician payment model reform on access to care. I find that the adoption of alternative payment models increased access to care by 5 percentage points relative to a fee-for-service payment model.



OTHER WORK IN PROGRESS **"Market Segmentation and Competition in Health Insurance"**
(with Kate Ho and Michael Dickstein)

Shortened Abstract: We study the welfare consequences of market segmentation in private health insurance in the US, where households obtain coverage either through an employer or via an individual marketplace. Using a model of insurance demand and insurer pricing, we demonstrate that recent policies to combine the two markets may generate both benefits and costs to society. We employ data from Oregon's small group and individual markets to estimate household preferences and predict premiums and costs under a counterfactual pooled market. We use the estimated model to simulate the welfare consequences of pooling markets, accounting for plan premium setting, household participation and the allocation of households across coverage levels.

"Access to Care or Money Down the Drain? Evaluating the National Health Service Corps' Effects on Staffing Outcomes of Health Clinics"
(with Iain Bamford)

Shortened Abstract: The National Health Service Corps provides school loan repayments and scholarships to incentivize health practitioners to practice in underserved areas. To participate in the program, health practitioners must practice in eligible locations or clinics. This paper exploits quasi-exogenous variation in clinic eligibility to estimate the effect of the program on health clinic outcomes.

TEACHING EXPERIENCE

Columbia University, New York, NY

Teaching Assistant, Undergraduate Courses

- Intermediate Microeconomics (Fall 2020)
- Time Series Econometrics [BA/MA](Spring 2018, Spring 2019)
- Introduction to Econometrics (Fall 2016, Spring 2017, Fall 2018)
- Industrial Organization (Fall 2017)

Teaching Assistant, Graduate Courses

- Mathematics for Economists [Ph.D] (Summer 2017)

Awards

- Wueller Teaching Award [for best teaching of a core undergraduate economics course] (Fall 2016/Spring 2017)



COMMITTEE MEMBERSHIPS AND ADVISING POSITIONS **Columbia University**, New York, NY

- Industrial Organization Reading Group, Organizer (Summer 2018, Summer 2019)
- ISERP Interdisciplinary Graduate Student Seminar, Founding Organizer (Fall 2017 - Spring 2019)
- Industrial Organization Colloquium, Student Organizer (Fall 2018, Spring 2018)
- Association for Graduate Economics Students, Treasurer (Fall 2016 - Fall 2018)
- Economics Department, Undergraduate Advisor (Spring 2018)

The Johns Hopkins University, Baltimore, MD

- Career Center, Peer Advisor (Spring 2011- Spring 2012)

RESEARCH ASSISTANTSHIPS **Columbia University**, New York, NY

- Research Assistant, Prof. Kate Ho, Economics Department (Feb 2017 - Aug 2018)

The Johns Hopkins University, Baltimore, MD

- Research Assistant, Prof. Louis Galambos, Institute for Applied Economics, Global Health, and the Study of Business Enterprise (Jan 2014 - June 2015)
- Research Assistant, Prof. Nicholas Papageorge, Economics Department (Sep 2013 - Aug 2014)
- Research Assistant, Prof. Steve Hanke, Institute for Applied Economics, Global Health, and the Study of Business Enterprise (June 2012 - Sep 2013)
- Research Assistant, Jessica Holzer, Bloomberg School of Public Health (Jan 2012 - Apr 2012)

United States Patent and Trademark Office, Alexandria, VA

- Trainee (Economist), Office of the Chief Financial Officer (June 2012 - Jan 2013)

FUNDING David C.F. Hsiung '34 M.A. and Vivian S.Y.W. Hsiung Fellowship in Economics, 2019
The Dhrymes Econometrics Award, 2019
Columbia University Program for Economic Research Grant: \$3,333 USD, 2018

TECHNICAL EXPERIENCE **Course Experience:** R, Stata, Matlab, Python, Bash
Work/Research Experience: R, Stata, L^AT_EX, Excel, ArcGIS, SAS

PERSONAL INFORMATION **Native Language:** English
Citizenship: USA
Marital Status: Single

REFERENCES **Bernard Salanié**
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Columbia University
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Princeton University
Co-director, Center
for Health and Wellbeing
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