

DAN HAN

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Research Areas

Health care payment policies, provider behavior and decision-making, prescription drug policies

Current Employment

Harvard T.H. Chan School of Public Health 03/2019 -
Postdoctoral Research Fellow (Behavioral Economics and Maternal Health)

Education

PhD in Policy Analysis (Health Policy Track), Pardee RAND Graduate School 2019
- Committee: David Powell (Chair), Mireille Jacobson,
Andrew Mulcahy, Jonathan Gruber (outside reader)
MPA, Health Policy Analysis, New York University 2012
BS, Preventive Medicine, Sun Yat-Sen University, China 2009

Job Market Paper

"The Impact of the 340B Drug Pricing Program on Critical Access Hospitals: Evidence from Medicare Part B" (under review)

The 340B Drug Pricing Program allows qualifying public and not-for-profit hospitals to acquire most outpatient drugs from manufacturers with sizable discounts. Since the Affordable Care Act (ACA) extended hospital eligibility for 340B, over 1,000 Critical Access Hospitals (CAHs) have joined the program. Because CAHs are reimbursed by Medicare at 101% of costs, they receive less payment per outpatient drug covered by Medicare Part B under 340B. This creates a unique circumstance in which both the behavioral response of CAHs and its implications for their patients are not well understood. Exploiting the ACA's 340B expansion and leveraging the geographic variation in the outpatient market share of CAHs via a difference-in-difference (DD) framework, I find that allowing CAHs to participate in 340B led to a significant reduction in total payment and beneficiary cost sharing for Part B drugs per patient without noticeable effect on Part B drug utilization. Since Part B coinsurance at CAHs is based on charges (list prices set by hospitals) instead of total payment, I show that the observed reduction in beneficiary cost sharing

under 340B was driven by CAHs reducing outpatient drug charges upon becoming eligible for 340B (DD) and participating in 340B (event study). I argue that the pass-through of 340B discounts to patients was not financially motivated.

Working Papers

“Hospital Financial Performance Under the 340B Drug Pricing Program - a Tale of Multi-Payer System” (in preparation for journal submission)

“Competence and Practice in Maternal and Child Care in Cambodia: Evidence from Vignettes and Direct Observations”, with Sebastian Bauhoff and Somil Nagpal (under review)

“Behavioral Nudges Toward Increased Consumption of Quality Protein Maize by Young Children: A Cluster Randomized Experiment in Ethiopia”, with Katherine Donato, Margaret McConnell, Nilupa Gunaratna, Masresha Tessema, Hugo De Groote, and Jessica Cohen (third author; under review)

Research in Progress

“The Effect of Provider Experience of Newborn Deaths on Use of Obstetric Interventions and Maternal and Newborn Morbidities”, with Jessica Cohen and Margaret McConnell

“Provider Beliefs, Decision Making, and Barriers to Postpartum Hemorrhage Monitoring: Evidence from Vignette Experiments”, with Jessica Cohen, Margaret McConnell, Emma Clarke and Nora Miller

“Panel Survey of Medical and Nursing Students in Cambodia”, with Sebastian Bauhoff

“State Medicaid Prescription Drug Purchasing Pools”, with Abby Alpert and David Powell

Publications

Mattke, Soeren, Dan Han, Asa Wilks, and Elizabeth Sloss. “Medicare Home Visit Program Associated With Fewer Hospital And Nursing Home Admissions, Increased Office Visits.” *Health Affairs* 34, no. 12 (December 1, 2015): 2138–46.

Dan Han, Asa Wilks, and Soeren Mattke. “Detection of Undiagnosed Disease in Medicare Beneficiaries After a Clinical Home Visit.” *Population Health Management* 20, no. 1 (April 28, 2016): 41–47.

Research & Professional Experience

Harvard T.H. Chan School of Public Health
Visiting Graduate Student

10/2018 - 02/2019

RAND Corporation

09/2013 - 02/2019

Assistant Policy Researcher

The World Bank
Consultant

11/2016 - 11/2017

New York City Human Resources Administration
Policy Research Intern

02/2012 - 02/2013

NYU Wagner School
Research Assistant

Summer 2011

Teaching

Mathematics for Policy Analysis
Teaching Assistant

Falls 2014, 2015
Pardee RAND

Microeconomics II
Teaching Assistant

Winter 2015
Pardee RAND

Awards & Distinctions

Anne and Jim Rothenberg Dissertation Award

2016 - 2018

Leonard Schaeffer RAND-USC Initiative Fellowships in Health Policy and Economics

2015

Pass with Distinction, Quantitative Methods Qualifying Exam

2014

Outstanding Student Scholarship, Sun Yat-Sen University

2005 - 2007

Presentations

Annual Conference of the American Society of Health Economists (poster)

2018

AcademyHealth Annual Research Meeting (poster)

2018

Association of Public Policy and Management Fall Research Conference (poster)

2016

Skills

Statistical software: Stata (> 6 years), R (> 3 years), SAS (> 2 years)

Languages: Mandarin Chinese (native), Cantonese (native), English (fluent), Japanese (beginner)

References

David Powell
Senior Economist

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Bruce A. Beal, Robert L. Beal, and Alexander S. Beal Associate Professor of Global Health
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