

Dan Han

Harvard T.H.Chan School of Public Health
90 Smith Street, 312 WS-4
Boston, MA 02120

Email: ghan@hsph.harvard.edu
handan2009@gmail.com
Website: <https://ghan1024.github.io>

Research Interests

Health care payment policies, provider behaviors and decision making, maternal and child health, 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"

"Competence and Practice in Maternal and Child Care in Cambodia: Evidence from Vignettes and Direct Observations", with Sebastian Bauhoff and Somil Nagpal (submitted)

"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

"Provider Response to Severe Adverse Events in Childbirth and the Quality of Maternal and Newborn Care", 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): 213846.

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): 4147.

Research & Professional Experience

Harvard T.H. Chan School of Public Health <i>Visiting Graduate Student</i>	10/2018 - 02/2019
RAND Corporation <i>Assistant Policy Researcher</i>	09/2013 - 02/2019
The World Bank <i>Consultant</i>	11/2016 - 11/2017
New York City Human Resources Administration <i>Policy Research Intern</i>	02/2012 - 02/2013
NYU Wagner School <i>Research Assistant for Professor Shanna Rose</i>	Summer 2011

Teaching Experience

Mathematics for Policy Analysis <i>Teaching Assistant</i>	Falls 2014, 2015 Pardee RAND
Microeconomics II <i>Teaching Assistant</i>	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
RAND Corporation
Email: dpowell@rand.org
Tel: (703) 413-1100

Jessica Cohen
Bruce A. Beal, Robert L. Beal, and Alexander S. Beal Associate Professor of Global Health Harvard
T. H. Chan School of Public health
Email: cohenj@hsph.harvard.edu
Tel: (617) 432-7577

Margaret McConnell
Associate Professor of Global Health Economics
Harvard T. H. Chan School of Public health
Email: mmcconne@hsph.harvard.edu

Sebastian Bauhoff
Assistant Professor of Global Health and Economics
Harvard T.H. Chan School of Public Health
Email: sbauhoff@hsph.harvard.edu

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