

# DAN HAN

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## Research Interests

Health care payment policies, provider behaviors 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”

“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**

“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

## **Selected Completed Projects**

“The Effect of Affordable Care Act Health Reforms on State-Level Access to Specialty Drugs” (PI: Erin Taylor)

“Florida Marketplace Drug Formulary Safe Harbor” (PI: Erin Taylor)

“Examining the Public Health Infrastructure for California’s Realignment and Prop 47 Populations” (PI: Lois Davis)

## **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.

## Grant Under Review

The National Institute for Health Care Management (NIHCM) 01/2020 - 04/2021

Project: "Provider Response to Severe Adverse Events in Childbirth and the Quality of Maternal and Newborn Care"

Role: Principal Investigator

## Research & Professional Experience

Harvard T.H. Chan School of Public Health 10/2018 - 02/2019  
*Visiting Graduate Student*

RAND Corporation 09/2013 - 02/2019  
*Assistant Policy Researcher*

The World Bank 11/2016 - 11/2017  
*Consultant*

New York City Human Resources Administration 02/2012 - 02/2013  
*Policy Research Intern*

NYU Wagner School Summer 2011  
*Research Assistant for Professor Shanna Rose*

## Teaching

Mathematics for Policy Analysis Falls 2014, 2015  
*Teaching Assistant* Pardee RAND

Microeconomics II Winter 2015  
*Teaching Assistant* 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  
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