YIWEI CHEN
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EDUCATION

Ph.D. in Economics, Stanford University, 2019
M.A. in Economics, Stanford University, 2019
B.A. in Economics and Mathematics with Honors, University of Chicago, 2011

PROFESSIONAL EXPERIENCE

2019- Quantitate Researcher and Economist for Quantco, Inc (*Full Time*)
Boston, MA and San Francisco, CA
- Used economic insights and data science expertise to provide top-notch business solutions for top firms globally in online marketplaces, retailing, etc.

2010-2013 Management Consultant for TGG Group, LLC (*Full Time*)
Chicago, IL
- Worked with leading economists Steven Levitt (author of *Freakonomics, Bates Clark Medalist*) and Daniel Kahneman (author of *Thinking Fast and Slow, Nobel Prize Laureate in Economics*) to offer business solutions for Fortune 500 companies and top non-profit organizations using economic theory and observational and experimental data analysis
- Past cases included pricing in retailing industry, marketing in consumer banking, risk management in financial services, and strategy for philanthropy and public policy

2014-2019 Data and Policy Analyst for Acumen LLC (*Part Time*)
Burlingame, CA
- Worked as the key liaison and a core member of the Acumen-Stanford joint research project to study U.S healthcare policies
- Led the research on how healthcare consolidations in the U.S. affects medical spending.

2015-2019 Zhejiang Center for Disease Control and Prevention (*Pro Bono*)
Hangzhou, China
- Co-led the joint research projects between Zhejiang CDC and Stanford University and evaluated the effectiveness of chronic disease management program

2019 Health Economics Advisor for Infervision Technology Co. Ltd. (*Pro Bono*)
Beijing, China
- Directed health economics research to evaluate the impacts of AI technology in radiology on healthcare systems

Media Coverage

2019 “专访斯坦福博士陈一苇—卫生经济学让卫生事业更公平” by *Sina Finance*

https://finance.sina.com.cn/stock/focus/2019-04-15/doc-ihvhiqax2725819.shtml

2019 "Primary Care Chronic-Disease Management in Rural China" by *VoxChina* (in preparation)

AWARDS AND FELLOWSHIPS

2019	**Elected as "Rising Star of Health Economics" by Becker Friedman Institute, University of Chicago (awarded to top 5 health economics job market papers in the U.S. academic economics market in 2018-2019)**
2018-2019	Leonard W. Ely and Shirley R. Ely Graduate Student Fellowship, Stanford University
2017	**Outstanding Teaching Assistant Award, Department of Economics, Stanford University**
2016-18	Asia Pacific Scholarship, The Freeman Spogli Institute for International Studies, Stanford University
2013-15	The Edward Lamont, Jr. and Annie Huntress Lamont Graduate Fellowship, Stanford University
2011	David S. Hu Economic Thesis Award, University of Chicago
2010	Phi Beta Kappa, University of Chicago (top 2% academic performance, highest academic achievements for undergraduate study)
2007-11	Francis Tin Fan Yuen International Student Scholarship, University of Chicago (full scholarship and stipends for international students, only 1 recipient among Chinese students within the cohort)

REFERENCES

1. Jonathan Levin (co-primary advisor), Dean of Stanford GSB, jdlevin@stanford.edu
2. Liran Einav (co-primary advisor), Professor of Economics at Stanford University, Director of Industrial Organization Program at National Bureau of Economic Research, leinav@stanford.edu
3. Steven Levitt, Professor of Economics at University of Chicago, Author of *Freakonomics*, and Founder of TGG Group, slevitt@uchicago.edu
4. Mark Duggan, Director of Stanford Institute of Economics Policy Research and Former Senior Economist for Health Care Policy at the White House Council of Economic Advisers, mgduggan@stanford.edu
5. Karen Eggleston, Senior Fellow at the Freeman Spogli Institute for International Studies, Director of the Asia Health Policy Program, Shorenstein Asia-Pacific Research Center, karene@stanford.edu
6. Kate Bundorf, Associate Professor of Medicine at Stanford University, bundorf@stanford.edu
7. Grant Miller, Associate Professor of Medicine at Stanford University, ngmiller@stanford.edu
8. Jay Bhattacharya, Professor of Medicine at Stanford University and Partner of Acumen LLC, jay@stanford.edu

WORKING PAPERS

User-Generated Physician Ratings—Evidence from Yelp

User-generated physician ratings from online sources are increasingly popular, but since consumers typically lack the ability to evaluate clinical quality, it is unclear whether these ratings actually help patients. Using the universe of Yelp physician ratings matched with Medicare claims, I examine what information on physician quality Yelp ratings reveal, whether they affect patients' choices of physician, and how they influence physician behavior. Through text and correlational analysis, I show that although Yelp reviews primarily describe physicians' interpersonal skills, Yelp ratings are also positively correlated with various measures of clinical quality. Instrumenting physicians'

average ratings with reviewers' "harshness" in rating other businesses, I find that a one-star increase in physicians' average ratings increases their revenue and patient volume by 1-2%. Using a difference-in-differences strategy, I test whether, in response to being rated, physicians order more substances that are desirable by patients but potentially harmful clinically. I generally do not find that physicians substantially over-prescribe. Overall, Yelp ratings seem to benefit patients—they convey physicians' interpersonal skills and are positively correlated with their clinical abilities, and they steer patients to higher-rated physicians.

Consolidation of Primary Care Physicians and Its Impact on Healthcare Utilization
(with Jonathan Levin, Liran Einav, and Jay Bhattacharya)

We use administrative data from Medicare to document the massive consolidation of primary care physicians over the last decade, and its impact on patient healthcare utilization. We show that large physician organizations tend to attract sicker patients, and we employ two research designs that attempt to address this selection and isolate the causal effect of the physician organization size on patient healthcare utilization. The first takes advantage of the heterogeneity in the extent of primary care consolidation across healthcare markets, and the second exploits transitions of physicians across organizations. Our preferred specification suggests that visiting large physician organizations leads to a 16% reduction in the patient's healthcare utilization, and that this reduction is primarily driven by fewer primary care visits and lower utilization of inpatient services.

The Effects of Primary Care Chronic Disease Management in Rural China
(with Hui Ding, Min Yu, Jieming Zhong, Ruying Hu, Xiangyu Chen, Chunmei Wang, Kaixu Xie, and Karen Eggleston)

Health systems globally face increasing morbidity and mortality from chronic disease, yet many—especially in low- and middle-income countries—lack strong primary care. We analyze China's efforts to promote primary care management for insured rural Chinese with chronic disease, analyzing unique panel data for over 70,000 rural Chinese 2011-2015. Our study design uses variation in management intensity generated by administrative and geographic boundaries—regression analyses based on 14 pairs of villages within two kilometers of each other but managed by different townships. Utilizing this plausibly exogenous variation, we find that patients residing in a village within a township with more intensive primary care management, compared to neighbors with less intensive management, had more primary care visits, fewer specialist visits, fewer hospital admissions, and lower inpatient spending. No such effects are evident in a placebo treatment year. Exploring the mechanism, we find that patients with more intensive primary care management exhibited better drug adherence as measured by filled prescriptions. A back-of-the-envelope estimate of welfare suggests that the resource savings from avoided inpatient admissions substantially outweigh the costs of the program.

PUBLICATIONS

Haibin Wu, Karen N Eggleston, Jieming Zhong, Ruying Hu, Chunmei Wang, Kaixu Xie Yiwei Chen, Xiangyu Chen, Min Yu. 2018. "How do type 2 diabetes mellitus (T2DM)-related complications and socioeconomic factors impact direct medical costs? A cross-sectional study in rural southeast China" *BMJ Open 8.11 (2018): e020647*.

Haibin Wu, Karen N Eggleston, Jieming Zhong, Ruying Hu, Chunmei Wang, Kaixu Xie Yiwei Chen, Xiangyu Chen, Min Yu. 2018. "Direct medical cost of diabetes in rural China using electronic insurance claims data and diabetes management data" *Journal of Diabetes Investigation 10.2 (2019): 531-538.*

Yiwei Chen, Lifeng Zhang, and Jiping Huang. 2007. “The Watts–Strogatz network model developed by including degree distribution: theory and computer simulation” *Journal of Physics A: Mathematical and Theoretical*, 40, 8237–8246.

ACADEMIC SERVICES

1. Presenter at “Rising Star Session” of Health Economics Initiative Annual Conference, Becker Friedman Institute, University of Chicago (2019)
2. Presenter at Veterans Affairs Health Economics Resource Center Cyber Seminar (2019)
3. Presenter & Discussant for American Society of Health Economics Conference (2018)
4. Invited seminar presentations at University of Minnesota (2019), Georgia State University (2019), University of Melbourne (2019), Australian National University (2019, declined), Singapore Management University (2019), Peking University (2018, 2 times), Shanghai Jiaotong University (2018), Zhejiang Center for Disease Control (2017), Chinese Center for Disease Control and Prevention (2016)
5. Referee for *Econometrica*, *Journal of Health Economics*, *Value in Health Regional Issues*, *PharmacoEconomics*