

# Jun Li

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## EDUCATION

- 2020 (Expected)      PhD, Health Services Organization and Policy (Economics Cognate). University of Michigan, School of Public Health, Ann Arbor, MI  
Dissertation Committee: Edward C. Norton (Chair), Charles Brown, Jeffrey McCullough, Andrew Ryan
- 2012                  MSPH, Health Policy, Johns Hopkins University, Bloomberg School of Public Health, Baltimore, MD
- 2010                  BA, Studio Art, with distinction in major, Carleton College, Northfield, MN

## RESEARCH INTERESTS

Health economics, long-term care, home health care, health care report cards, pay-for-performance, health insurance reimbursement design, health care disparities

## JOB MARKET PAPER

### **Value-based payments in health care: Evidence from a nationwide randomized experiment in the home health sector**

Value-based payment programs, also known as pay-for-performance, use financial incentives to motivate providers to invest in quality and are a critical part of Medicare health care reform. This study examines the first year of the Home Health Value-Based Purchasing program, a nationally representative randomized experiment implemented by the Centers for Medicare & Medicaid Services in 2016. The goal of the program was to achieve better home health care quality. Home health agencies in treatment states were rewarded or penalized based on their performance on agency-reported and non-agency-reported quality measures. The program improved agency-reported measures by approximately one percentage point, and performance gains follow a dose-response relationship with respect to incentive size. However, the performance gains in agency-reported measures did not reflect true quality improvement. I find that agencies manipulated their coding of patients and inflated their performance. Coding manipulation explained the entirety of the program's impact on agency-reported measures.

## **PUBLICATIONS: PEER-REVIEWED JOURNAL ARTICLES**

- 2019 Vu, Joceline, **Jun Li**, Donald S. Likosky, Edward C. Norton, Darrell A. Campbell Jr., and Scott E. Regenbogen. "Achieving the High-Value Colectomy: Preventing Complications or Improving Efficiency." *Diseases of the Colon & Rectum*. <https://doi:10.1097/DCR.0000000000001523>.
- 2019 **Li, Jun**, Anup Das, and Lena M. Chen. "Assessing the Quality of Public Reporting of US Physician Performance." *JAMA Internal Medicine* 179, no. 8. <https://doi:10.1001/jamainternmed.2019.0398>.
- 2019 **Li, Jun** and Edward C. Norton. "Pay-for-Performance and Long-Term Care," In *Oxford Research Encyclopedia of Economics and Finance*. Oxford University Press. <https://doi.org/10.1093/acrefore/9780190625979.013.407>.
- 2019 Post, Brady, Andrew M. Ryan, Nicholas M. Moloci, **Jun Li**, James M. Dupree, and John M. Hollingsworth. "Physician Participation in Medicare Accountable Care Organizations and Spillovers in Commercial Spending." *Medical Care* 57, no. 4: 305-311. <https://doi:10.1097/MLR.0000000000001081>.
- 2018 Norton, Edward C., **Jun Li**, Anup Das, and Lena M. Chen. "Moneyball in Medicare." *Journal of Health Economics* 61, 259-273. <https://doi.org/10.1016/j.jhealeco.2017.07.006>.
- 2016 Blackwell, Steven A., Gerald F. Riley, and **Jun Li**. "An Assessment of Three Post-Discharge Drug-Based Quality Assurance Events for Elderly Medicare Beneficiaries Enrolled in a Stand-Alone Part D Plan." *Journal of Medical Practice Management* 32, no. 2: 93-97.

## **PUBLICATIONS: PEER-REVIEWED BOOK CHAPTERS**

- 2019 Asch, Steven and **Jun Li**. "Chapter 3 - Measurement and Data," In *Evaluation for Health Policy and Health Care: A Contemporary Data-Driven Approach*, edited by S. Sheingold and A. Bir. SAGE Publications.

## **WORKING PAPERS**

**Li, Jun**. "Effects of Medicare's Home Health Quality of Patient Care Star Ratings." Dissertation chapter.

**Li, Jun**. "Do Medicare's Home Health Star Ratings Provide Meaningful Information about Quality?" Dissertation chapter.

**Li, Jun**, Mingyu Qi, and Rachel Werner. "Disparities in Access to Home Health Care among Medicare Patients."

**Li, Jun**, Devraj Sukul, Ushapoorna Nuliyalu, and Andrew M. Ryan. "Patient Coded Severity and Payment Penalties under the Hospital Readmissions Reduction Program: A Machine Learning Approach."

**Li, Jun**, Scott Regenbogen, and Edward C. Norton. "Effects of Major Joint Replacement Bundled Payments on Medicare and Commercial Post-Discharge Spending."

Norton, Edward C., **Jun Li**, Anup Das, Andrew M. Ryan, and Lena M. Chen. "Medicare's Hospital Value-Based Purchasing Program Overvalues Quality."

Norton, Edward C., Emily Lawton, and **Jun Li**. "Moneyball: New Insights."

## **GRANTS AND FELLOWSHIPS**

2019–2020 Principal Investigator. R36 Health Services Research Dissertation Grant (1R36HS026836), Agency for Healthcare Research and Quality, Rockville, MD, \$42,240

2019–2020 Rackham Predoctoral Fellowship, University of Michigan, Ann Arbor, MI, \$52,146

2016–2017 Collaborative Doctoral Scholars Program, Institute for Healthcare Policy and Innovation, Ann Arbor, MI, \$79,753

## **EMPLOYMENT**

**Research Assistant.** University of Michigan, Ann Arbor, MI

2019 For Andrew Ryan, School of Public Health

2018 For Kyle Sheetz, Institute for Healthcare Policy and Innovation

2018 For Lena Chen, Institute for Healthcare Policy and Innovation

2016–2018 For Scott Regenbogen, Institute for Healthcare Policy and Innovation

2015–2018 For Edward C. Norton, School of Public Health

**Social Science Research Analyst.** Centers for Medicare & Medicaid Services, Woodlawn, MD

2011–2015 Research and Rapid-Cycle Evaluation Group, Innovation Center

**Research Assistant.** Johns Hopkins University, Baltimore, MD

2010–2011 For Pamela Surkan, Bloomberg School of Public Health

**Intern.** National Institutes of Health, Eunice Kennedy Shriver National Institute of Child Health and Human Development, Rockville, MD

2010 Demographic and Behavioral Sciences Branch, Center for Population Research

**Housing Policy Assistant.** Growing Up Healthy in Rice County, Northfield, MN,

2009–2010 Office of Initiative Coordinator

## TEACHING

**Graduate Student Instructor.** University of Michigan, School of Public Health, Ann Arbor, MI

- 2018 Introduction to Economic Evaluation (Masters)
- 2018 Economics of Health Management and Policy II (Masters)
- 2017 Economics of Health Management and Policy I (Masters)

## CONFERENCE PRESENTATIONS

- 2019 "Pay-for-performance in Health Care: Evidence from a Nationwide Randomized Experiment in the Home Health Sector." Podium presentation, American Society of Health Economists Annual Conference, Washington DC.
- 2019 "The Quality of Public Reporting of US Physician Performance." Poster presentation, AcademyHealth Annual Research Meeting, Washington DC.
- 2018 "Effects of Major Joint Replacement Bundled Payments on Medicare and Commercial Post-Discharge Spending." Podium presentation, American Society of Health Economists Annual Conference, Atlanta, GA.
- 2018 "Pay-for-Performance and Long-Term Care." Podium presentation, American Society of Health Economists Annual Conference, Atlanta, GA.
- 2018 "Effects of Major Joint Replacement Bundled Payments on Medicare and Commercial Post-Discharge Spending." Podium presentation, AcademyHealth Annual Research Meeting, Seattle, WA.

## SERVICE

**Ad-hoc journal reviewer.** *BMC Health Services Research, Medical Care, Medical Care Research and Review*

**Ad-hoc grant reviewer.** Blue Cross Blue Shield of Michigan and Blue Care Network of Michigan

## MEDIA APPEARANCES

Li, Jun. 2019. "System grading doctors is inefficient, needs revisions." Interview by Nardy Baeza Bickel. *Michigan News*, May 7, 2019. <https://news.umich.edu/system-grading-doctors-is-inefficient-needs-revisions/>.

Li, Jun. 2019. "US government website for comparing doctors lack data on most MDs." Interview by Lisa Rapaport. *Reuters Health News*, May 6, 2019. <https://www.reuters.com/article/us-health-physicians-reporting/u-s-government-website-for-comparing-doctors-lacks-data-on-most-mds-idUSKCN1SC24K>.