

# Yang Wang

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## EDUCATION

- Aug 2017 – May 2022  
(expected)      **PhD in Health Economics and Policy**  
*Johns Hopkins University Bloomberg School of Public Health*  
Dissertation: The Impact of Increasing Private Insurance Payment Rates and ACA Medicaid Expansion on Hospital Behaviors  
Committee: Gerard Anderson, PhD (Advisor); Matthew Eisenberg, PhD; Aditi Sen, PhD; Ge Bai, PhD  
Research Interests: healthcare pricing, insurance payment mechanism, hospital finance
- Aug 2010 – May 2014      **BS in Statistics and Mathematics**  
*University of North Carolina at Chapel Hill*  
Graduated with Honor and Distinction  
Study abroad at EUSA University of Seville, Spain (Jan 2013 – May 2013)
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## RESEARCH AND WORK EXPERIENCE

- Jun 2019 –      **Graduate Student Researcher**  
*Dept. of Health Policy & Management, Johns Hopkins School of Public Health*  
(Baltimore MD)  
Project: JHU- Arnold Venture Lowering Private Sector Healthcare Prices Project
- Participated in empirical research to advise federal and state health departments officials on policy proposals to reduce private sector healthcare prices
  - Analyzed claim-level private insurance to Medicare price differentials using Medicare and IBM MarketScan claim data for 100+ common procedures; and calculated hospital's private sector to Medicare payment ratio and financial outcomes using CMS hospital cost report for *Altarum* Healthcare Affordability State Policy Scorecard and *Oregon Health Authority* hospital price validation.
  - Developed an interactive model to estimate the impact of capping Out-Of-Network payment rates on hospital's price and financial performance
  - Presented analysis, model simulation, and dissertation research to Congressional Budget Office and state health department officials at WA, OR, and NC
  - Instructed junior research assistants on claim data and hospital financial data analysis using STATA
- Feb 2017 – Jun 2017      **Visiting Research Fellow**  
*Peking University China Center for Health Economics Research* (Beijing, China)
- Project 1: Chronic Disease and Economic Growth for *China's Center for Disease Control*; Conducted data cleaning, descriptive and regression analysis over 300k+ pooled cross-sectional survey data

- Project 2: Role of Health Insurance in Healthcare Reform for *China's Ministry of Human Resource and Social Security*; Conducted literature review, drafted policy article

Jul 2014 – Nov 2016

**Health & Benefits Actuarial Analyst**

*Aon Hewitt* (Baltimore MD & Washington DC)

- Provided actuarial consulting services to 15+ self-insured employers, including healthcare expenditure projections, insurance coverage design, premium and employer contribution calculation, and actuarial valuations of reserve liability
- Constructed and managed health insurance databases; analyzed enrollment, network, and claim data
- Operated actuarial models, including Incurred but Not Paid Reserve Model, Actuarial Value Model, Network Analysis Model, Stop Loss Reinsurance Pricing Model, and Medicare Part D Actuarial Equivalence Attestation; drafted 50+ actuarial reports for senior actuaries' review
- Conducted ACA compliance check, including Minimum Value and Affordability Certification, Transitional Reinsurance calculation, and Cadillac Tax projections

**JOURNAL PUBLICATIONS**

1. Bai G, Park A, **Wang Y**, Overton H, Bruhn W, Makary M. "The Commissions Paid to Brokers for Fully-Insured Health Insurance Plans". *Medical Care Research and Review*. Dec 2020; ePub ahead of print. doi:[10.1177/1077558720980561](https://doi.org/10.1177/1077558720980561)
2. Sen A, Meiselbach M, **Wang Y**, Eisenberg M, Anderson G. "Out-of-Network Bills for Laboratory Services among Privately-Insured Patients". *JAMA Internal Medicine*. Published online April 26, 2021. doi:[10.1001/jamainternmed.2021.1422](https://doi.org/10.1001/jamainternmed.2021.1422)

**Under Review**

1. **Wang Y**, Anderson G. "Hospital Resource Allocation Decisions When Market Prices Exceed Medicare Prices". (Revise and Revision for *Health Services Research*)

**Work in Progress**

1. **Wang Y**, Anderson G. The Spillover Effect of ACA Medicaid Expansion on Hospital Behavior
2. Bai G, **Wang Y**. The Association between Consumer Cost-Sharing and Market Prices for Hospital Services

**CONFERENCE PRESENTATION**

1. **Wang Y**, Anderson G. The Impact of Private Sector to Medicare Payment Rate on Hospital Behavior. AcademyHealth Annual Research Meeting, Virtual, June 16, 2021. Poster Presentation
2. **Wang Y**, Anderson G. Hospital Resource Allocation Decisions When Market Prices Exceed Medicare Prices. 10<sup>th</sup> Annual Conference of the American Society of Health Economics, Virtual, June 23, 2021. Podium Presentation. <https://ashecon.confex.com/ashecon/2021/meetingapp.cgi/Paper/11368>

**TEACHING ASSISTANT POSITIONS**

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| 2021        | JHU-Tsinghua DrPH Dissertation Seminar (Dr. Leiyu Shi) |
| 2020 – 2021 | Introduction to Health Economics (Dr. Douglas Hough)   |

- 2019 – 2021 Introduction to the US healthcare system (Dr. Bradley Herring; Dr. Daniel Polsky; Dr. Mariana Socal; Dr. Craig Pollack)
- 2019 – 2020 Applied Microeconomics for Policy Making (Dr. Matthew Eisenberg)

### **PROFESSIONAL MEMBERSHIP AND UNIVERSITY SERVICES**

- 2018 – 2019 Academic Chair, Student Coordinating Committee, Department of Health Policy and Management, Johns Hopkins Bloomberg School of Public Health
- 2019 – PhD student member, American Society of Health Economists
- 2021 – Affiliated Trainee, Hopkins Business of Health Initiative

### **HONORS AND AWARDS**

- 2018 Centennial Scholar, Johns Hopkins Bloomberg School of Public Health
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### **SKILLS**

Statistical Software: STATA, R

Databases: IBM/Truven MarketScan claim database, Medicare Fee for Service Claim Database, Medicare Provider Utilization and Payment Data Public User File, CMS Hospital Cost Reports, RAND Hospital Data Tool, American Hospital Association Annual Survey Database, IRS Form 5500 Data, IRS Form 990 Data, US Census Bureau Small Area Income and Poverty Estimates, Area Health Recourse Files, Medical Expenditure Panel Survey data

Languages: English, Mandarin Chinese, conversational Spanish

SOA actuarial exams: passed exam P, FM, MFE, and C