

# FANGLI GENG

## AFFILIATION AND EDUCATION

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Assistant Professor July 2024  
Brown University School of Public Health, Providence RI  
Department of Health Services, Policy & Practice

Postdoctoral Researcher March-June 2024  
Harvard Medical School, Boston, MA  
Department of Health Care Policy

Harvard University, Cambridge, MA  
Ph.D., Health Policy (Decision Science Concentration, Data Science Secondary Field) March 2024  
*Dissertation Title:* Assessing Value and Optimizing Decision-Making in Post-Acute Care Across Diverse Populations  
*Committee:* David C. Grabowski (Chair), Meredith B. Rosenthal, Stephen C. Resch, José R. Zubizarreta

Harvard T.H. Chan School of Public Health, Boston, MA  
M.Sc., Environmental Health (Risk and Decision Science Concentration) 2014

Shanghai Jiao Tong University, Shanghai, China  
B.Sc., Biotechnology 2012  
*Honors:* Summa Cum Laude

## RESEARCH INTERESTS

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Post-Acute Care	Medical Decision Making	Survey Design
Long-term Care	Health Economics	Economic Evaluations
Vulnerable Population	Cost-effectiveness Analysis	Artificial Intelligence in Health Care

## TEACHING INTERESTS

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Decision Science	Research Methods
Decision Analysis Methods	Quantitative Analysis
Economic Analysis	Machine Learning Analysis

## JOURNAL ARTICLES

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Gadbois EA, Brazier JF, White EM, Hawes C, Meehan A, Rafat A, **Geng F**, Rahman M, Grabowski DC, Shield RR. Caring for nursing home residents with dementia during the COVID-19 pandemic: Perspectives from administrators. *Journal of the American Geriatrics Society*. (2024)

**Geng F**, McGarry BE, Zubizarreta JR, Resch SC, Rosenthal MB, Grabowski DC. Choosing Home: Patients and Caregivers Prioritize Post-Acute Care at Home over Facilities - A Discrete Choice Experiment. *JAMA Health Forum*. (2024)

**Geng F**, Liu W, Grabowski DC, Hu L. Post-acute care in China: development, challenges, and future prospects. *Journal of the American Medical Directors Association*. (2023)

Brazier JB, Meehan A, Shield RR, White EM, Grabowski DC, **Geng F**, Gadbois EA, “All Hands on Deck”: Administrator Perspectives on Managing COVID-19 Outbreaks in U.S. Nursing Homes. *Journal of Long-Term Care*. (2023)

Gadbois EA, Brazier JF, Meehan A, White EM, Rafat A, **Geng F**, Rahman M, Grabowski DC, Shield RR. Caring for Nursing Home Residents with Dementia during the COVID-19 Pandemic: Perspectives from Administrators. *Journal of the American Geriatrics Society*. (2023)

Brazier JF, **Geng F**, Meehan A, White EM, McGarry BE, Shield RR, Grabowski DC, Rahman M, Santostefano C, Gadbois EA. Examination of Staffing Shortages at US Nursing Homes During the COVID-19 Pandemic. *JAMA Network Open*. (2023)

**Geng F**, Lake D, Meyers DJ, Resnik LJ, Teno JM, Gozalo P, Grabowski DC. Increased Medicare Advantage Penetration Is Associated With Lower Postacute Care Use For Traditional Medicare Patients. *Health Affairs* (2023)

Zhi M, Hu L, **Geng F**, Shao N, Yuanli L, “Analysis of the Cost and Case-mix of Post-acute Stroke Patients in China Using Quantile Regression and the Decision-tree Models.” *Risk Management and Healthcare Policy* (2022)

Chen Y, Gong X, Zhong W, Wang J, Yang Z, Yan S, **Geng F**, Zhou Y, et. al, “Evaluation of a Multilevel Program to Improve Clinician Adherence to Management Guidelines for Acute Ischemic Stroke.” *JAMA Network Open* (2022)

**Geng F**, Stevenson DG, Grabowski DC, “Evolution of the Home Health Care Market: The Expansion and Quality Performance of Multi-Agency Chains.” *Health Services Research Journal, Special Issue on Comparative Health System Performance* (2020)

**Geng F**, Stevenson DG, Grabowski DC, “Daily Nursing Home Staffing Levels Highly Variable, Often Below CMS Expectations.” *Health Affairs* (2019)

Loomer L, Gandhi A, **Geng F**, Grabowski DC, “Secret Shopper Data on Private Prices in the Nursing Home Industry From 2008 to 2010.” *Medical Care Research and Review* (2019)

Hammit JK, **Geng F**, Guo X, Nielsen CP, “Valuing Mortality Risk in China: Comparing Stated-Preference Estimates from 2005 and 2016.” *Journal of Risk and Uncertainty* (2019)

Robinson L, Hammit JK, O’Keefe L, Munk C, Patenaude B, **Geng F**, “Benefit-Cost Analysis in Global Health and Development: Current Practices and Opportunities for Improvement: Scoping Report.” *Review, Gates Foundation* (2018)

**Geng F**, Suharlim S, Brenzel L, Resch SC, Menzies NA, “The cost structure of routine infant immunization services: a systematic analysis of six countries”, *Health Policy and Planning* (2017)

Menzies NA, Suharlim C, **Geng F**, Ward ZJ, Brenzel L, Resch SC, “The cost determinants of routine infant immunization services: a meta-regression analysis of six country studies.” *BMC Medicine* (2017)

Campos NG, Sharma M, Clark A, Lee K, **Geng F**, Regan C, Kim JJ, Resch SC, “The health and economic impact of scaling cervical cancer prevention in 50 low- and lower-middle-income countries.” *International Journal of Gynecology & Obstetrics* (2017)

## WORK IN PROGRESS

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**Geng F**, Rahman M, McGarry BE, Santostefano C, Gadbois EA, Brazier JF, Resnik LJ, White EM, Grabowski DC. Impact of the Patient Driven Payment Model on Hospital and Skilled Nursing Facility Use, Patient Outcomes, and Spending: A Difference-in-differences Analysis.

**Geng F**, Gozalo P, Zubizarreta JR, Lake D, Resch SC, Rosenthal MB, Grabowski DC. Comparative Health Outcomes of Post-Acute Care Patients in Skilled Nursing Facilities (SNFs) and Home Health Agencies (HHAs): An Instrumental Variable Analysis.

Xu K, **Geng F**. A Systematic Review for Comparative Effectiveness of Home Health Care and Skilled Nursing Facilities for Post-Hospital Discharge Patients.

Resch SC, **Geng F**, Robinson L. Evaluating the Financial Incentives for Pediatric Dental Health: A Cost-Benefit Analysis within Medicaid Programs.

Shen M, **Geng F**. Impact of a Targeted Nurse-led Care Coordination Intervention for the Elderly in China Using Predictive Algorithm: A Regression Discontinuity Analysis.

Lake D, **Geng F**, Gozalo P. Comparative Effectiveness of Skilled Nursing Facilities (SNF) versus Home Health (HH) Care for Patients with Congestive Heart Failure and COPD: Utilizing HH Zip Code Utilization as an Instrumental Variable.

Xiao D, **Geng F**, Hu L. How to Overcome the Dilemma of Rehabilitation Medical Insurance? - An Analysis Based on the Effects of Acute Post-period Medical Insurance Payment Reform in Jinhua City.

*(The authorship and order of authors may be subject to change.)*

## FELLOWSHIPS, GRANTS & AWARDS

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Graduate Society Conference Grant, Harvard University, 2023  
Dissertation Competition Fellowship, Harvard University, 2022  
Graduate Society Merit Research Fellowship, Harvard University, 2021  
Professional Development Fund, Harvard University, 2021  
Scholarship of MIT Professional Education, MIT, 2021  
Howard Raiffa Teaching Grant, Harvard University, 2020  
Summer Institute Scholarship, RAND, 2020  
Central Grant, Harvard University, 2013

## CONFERENCES & PRESENTATIONS

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**Geng F**, McGarry BE, Zubizarreta JR, Resch SC, Rosenthal MB, Grabowski DC. Understanding the Value of Post-Acute Care: Heterogeneous Preferences and Willingness-to-Pay for Different Types of Post-Acute Care: A Discrete Choice Experiment. Oral presentation at: 15th World Congress of International Health Economics Association; July 2023; Cape Town, South Africa.

**Geng F**, McGarry BE, Zubizarreta JR, Resch SC, Rosenthal MB, Grabowski DC. Patients and Caregivers Are Willing to Pay More for Patients to Stay Home Than Go into Facilities for Post-Acute Care. a Discrete Choice Experiment. Poster presentation at: 2023 Annual Research Meeting of AcademyHealth; June 2023; Seattle, WA.

**Geng F**, Liu W, Grabowski DC, Hu L. Post-acute care System in China: development, challenges, and policy recommendations. Oral Presentation at: 2023 international Symposium on Integrated Health and Care System for Older People; June 2023; Virtual Conference.

Lake D, Kumar S, **Geng F**, Gozalo P. The Comparative Advantage of Hospital-Based Inpatient Rehabilitation, a Natural Experiment. Oral Presentation at: 2022 American Society of Health Economists Conference; June 2022; Austin, Texas.

**Geng F**, Lake D, Meyers DJ, Resnik LJ, Teno JM, Gozalo P, Grabowski DC. Medicare Advantage Penetration and Post-Acute Care. Oral Presentation at: 2021 China Health Policy and Management Society Annual Conference; July 2021; Virtual Conference. (Presented in Chinese)

**Geng F**, Lake D, Meyers DJ, Resnik LJ, Teno JM, Gozalo P, Grabowski DC. The Impact of Accountable Care Organization and Medicare Advantage Market Concentration on Post-Acute Care. Oral Presentation at: 2021 Annual Research Meeting of AcademyHealth; May 2021; Virtual Conference.

Lake D, Meyers DJ, **Geng F**, Teno JM, Resnik LJ, Varma H, Grabowski DC, Gozalo P. Patterns of Post-Acute Care Delivery Among Patients Discharged from the Hospital with Stroke. Oral Presentation at: 2021 Annual Research Meeting of AcademyHealth; May 2021; Virtual Conference.

**Geng F**, Stevenson DG, Grabowski DC. Evolution of the Home Health Market: The Role and Quality Performance of Multi-Agency Chains. Poster Presentation at: 2020 Annual Research Meeting of AcademyHealth; August 2020; Virtual Conference.

**Geng F**, Stevenson DG, Grabowski DC. Evolution of the Home Health Care Market: The Expansion and Quality Performance of Multi-agency Chains. Oral Presentation at: AHRQ Comparative Health System Performance Annual Grantee Workshop; August 2020; Virtual Conference.

**Geng F**, Suharlim S, Brenzel L, Resch SC, Menzies NA. The cost structure of routine infant immunization services and the future development of immunization programs. Poster presentation at: 38th Annual North American Meeting of the Society for Medical Decision Making; October 2016; Vancouver, Canada.

**Geng F**, Suharlim S, Brenzel L, Resch SC, Menzies NA. Cost shares analysis of routine immunization programs in six countries. Oral presentation at: 2016 International Immunization Costing Workshop; May 2016; Washington. DC.

## TEACHING EXPERIENCE

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Quantitative Methods for Policy Evaluation (HPM 543)  
*Harvard T.H. Chan School of Public Health*  
*Teaching fellow for Dr Cassandra Peitzman and Dr. Anas Turabi (2024)*  
*(45 M.S., M.P.H. & Ph.D. students)*

Decision Analysis for Health and Medical Practices (RDS 280)  
*Harvard T.H. Chan School of Public Health*  
*Teaching fellow for Prof. Ankur Pandya (2021)*  
*(120 M.S., M.P.H. & Ph.D. students)*

Economic Evaluation for Health Policy and Program Management (RDS282)  
*Harvard T.H. Chan School of Public Health*  
*Teaching fellow for Prof. Stephen Resch (2021, 2020, 2016)*  
*(30-50 M.S., M.P.H. & Ph.D. students)*

Decision Science for Public Health (RDS202)  
*Harvard T.H. Chan School of Public Health*  
*Teaching Fellow for Prof. Sue Goldie and Eve Wittenberg (2020, 2019)*  
*(70 M.S. & M.P.H. students)*

Decision Analysis Methods in Public Health and Medicine (RDS285)  
*Harvard T.H. Chan School of Public Health*  
*Teaching Fellow for Prof. Jane Kim (2016)*  
*(60 M.S. & M.P.H. students)*

Economic Analysis (HPM206)  
*Harvard T.H. Chan School of Public Health*  
*Teaching Fellow for Prof. David Hemenway (2015)*  
*(130 M.S. & M.P.H. students)*

## RESEARCH AFFILIATIONS

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Center for Health Decision Science, Harvard T.H Chan School of Public Health	2013-Present
Department of Health Care Policy, Harvard Medical School	2019-Present
Department of Health Services, Policy & Practice, School of Public Health, Brown University	2020-Present
Harvard-Stanford Health Policy Data Science Lab	2020-Present
National Bureau of Economic Research	Summer 2020

## ACADEMIC MEMBERSHIPS

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Academy Health	2020-Present
International Health Economic Association	2020-Present
Society of Medical Decision Making	2016-Present

American Society of Health Economists  
China Health Policy and Management Society

2020-Present  
2020-Present

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## PROFESSIONAL EXPERIENCE

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### **Center for Health Decision Science, Harvard University**

*Research Fellow*

2014-2017

#### Cancer Prevention Policy Modeling and Evaluation

- Developed and validated Monte Carlo microsimulation models using C++ to analyze HPV transmission, and oropharyngeal and vulvar cancer development.
- Used microsimulation models to evaluate the cost-effectiveness of HPV vaccination policies and cervical cancer screening policies.

#### Costing and Cost-effectiveness Studies of HIV Treatment Interventions and Infant Immunization Programs

- Partnered with research teams from Africa and South America developing countries to analyze both immunization costs and HIV treatment data.
- Assessed the cost structures of immunization programs and the cost-effectiveness of new HIV treatment interventions.

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## LEADERSHIP & SERVICES

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*Ad-hoc Peer Reviewer* | Health Affairs, Social Science and Medicine, PLOS One, Preventive Medicine, BMC Health Services Research, Health Informatics Journal, Health Affairs Scholar, Health Care Science, Health Economics Review

*Conference Abstract reviewer* | Society of Medical Decision Making, Academy of Health

*Board Member of Directors* | China Health Policy and Management Society, 2024-2026

*Cofounder and President* | Harvard Chan China Health Club, Harvard T.H. Chan School of Public Health, 2021-Present

*Representative* | M.Sc. Program of Harvard T.H. Chan School of Public Health, Harvard Graduate Council, 2013-2014

*Representative* | Environmental Health Department, Harvard T.H. Chan School of Public Health, 2012-2013

*Treasurer* | North American Shanghai Tiao Tong University Alumni Association, 2019-Present

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## MEDIA COVERAGE

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Towhey JR. Medicare Advantage's lower post-acute use creates 'spillover' in traditional Medicare: study. McKnights Long-term Care News. April 4, 2023. <https://www.mcknights.com/news/medicare-advantages-lower-post-acute-use-creates-spillover-in-traditional-medicare-study/>

Filbin P. Increased MA Penetration Associated With Lower Post-Acute Care Utilization. Home health Care News. April 4, 2023. <https://homehealthcarenews.com/2023/04/increased-ma-penetration-associated-with-lower-post-acute-care-utilization/>

Wehrwein P. Medicare Advantage Has 'Spillover' Effects on Postacute Care Among Those Who Stick With Traditional Medicare. Managed Healthcare Executive. April 8, 2023. <https://www.managedhealthcareexecutive.com/view/medicare-advantage-has-spillover-effects-on-postacute-care-among-those-who-stick-with-traditional-medicare>

Physician's Briefing Staff. New Staffing Data Source Can Improve Nursing Home Monitoring. Health Day. July 8, 2019. <https://consumer.healthday.com/nursing-10/nursing-homes-and-elder-care-health-news-501/new-staffing-data-source-can-improve-nursing-home-monitoring-747832.html>

Shrourou A. Study paints clear picture of the staffing levels of nurses at nursing homes. News Medical Life Science. July 2, 2019. <https://www.news-medical.net/news/20190702/Study-paints-clear-picture-of-the-staffing-levels-of-nurses-at-nursing-homes.aspx>

Spanko A. 75% of Nursing Homes 'Almost Never' in Compliance with RN Staffing Levels. Skilled Nursing News. July 1, 2019. <https://skillednursingnews.com/2019/07/75-of-nursing-homes-almost-never-in-compliance-with-rn-staffing-levels/>

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