

# Yunfeng Shi

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## Education:

**Carnegie Mellon University**, Pittsburgh PA  
**PhD** –Public Policy and Information Systems, 2010  
**Master of Philosophy** - Public Policy and Management, 2009  
**Master of Science** - Economics, 2004

**University of Wyoming**, Laramie WY  
**Master of Public Administration**, 2001

**Fudan University**, Shanghai, China  
**Bachelor of Arts** - English Language and Literature, 1998

## Professional Experience:

**Assistant Professor**, Department of Health Policy and Administration, Pennsylvania State University (July 2015-present)

**Faculty Research Associate**, Center for Health Care Policy and Research, Department of Health Policy and Administration, Pennsylvania State University (April 2012-June 2015)

**Quantitative Research Manager**, Evaluation Team - Aligning Forces for Quality, Center for Health Care Policy and Research, Pennsylvania State University (September 2010-Present)

**Post-Doctoral Research Scholar**, Center for Health Care Policy and Research, Pennsylvania State University (September 2010-March 2012)

**Adjunct Faculty (instructor)**, Heinz College and Tepper School of Business, Carnegie Mellon University (May 2006- August 2010)

**Consultant (volunteer)**, Centre Volunteers in Medicine (January 2012 – Present)

## **Research Support:**

### **Ongoing:**

Funding Agency: Robert Wood Johnson Foundation

PI: Dennis Scanlon, PhD, Pennsylvania State University

Award Period: 04/12- 11/16

Role: Co-Investigator; Performance Measurement and Public Reporting Domain Co-lead

Project Title: Evaluation for Aligning Forces for Quality

Funding Agency: Agency for Healthcare Research and Quality

PI: Cheryl Damberg, PhD, RAND

Role: Co-Investigator

Project Title: Understanding the Roles of Health Information Technology and Organizational Factors in Adoption and Diffusion of Patient Centered Outcomes Research (PCOR) Evidence

### **Completed:**

Funding Agency: Robert Wood Johnson Foundation

PI: Dennis Scanlon, PhD, Pennsylvania State University

Award Period: 08/10- 03/12

Role: Postdoctoral Research Fellow and Quantitative Team Lead

Project Title: Evaluation for Aligning Forces for Quality

Funding Agency: the NET institute (summer research grant) - New York University

Award Period: 05/05- 08/05

Role: Principal Investigator

Project Title: Consumer Learning Behavior in Cellphone Market

Funding Agency: Agency for Healthcare Research and Quality

PI: Muriel Jean-Jacques, PhD, Northwestern University

Award Period: 10/13- 12/14

Role: Site PI and Lead Statistician

Project Title: Best Practices for Integrating Clinical Decision Support into Clinical Workflow

## Peer Reviewed Publications:

### Published:

1. **Shi, Y.**, Fuentes, V., McHugh, M., Greene, J., Verevkina, N., Casalino, L. and S. Shortell (2016). *“Electronic Health Records and Patient Activation – Their Interactive Role in Medication Adherence”*, Smart Health, Vol 9545: 219-230, LNCS, Springer.
2. Scanlon, D., **Shi, Y.**, Bhandari, N. and J. Christianson. (2015). *“Are Health Care Quality ‘Report Cards’ Reaching Consumers? Awareness in the Chronically Ill Population”*, American Journal of Managed Care, 21(3):236-244.
3. Greene, J., Hibbard, J., **Shi, Y.**, Mittler, J. and D. Scanlon. (2015). *“Taking the Long View: How Well Do Patient Activation Scores Predict Outcomes Four Years Later?”*, Medical Care Research and Review, 72(3):324-337
4. Greene, J., Verevkina, V., Fuentes-Caceres, V. and **Y. Shi**. (2015). *“Who’s Aware of and Using Public Reports of Provider Quality?”*, Journal of Health Care for the Poor and Underserved, 26(3):873-88
5. Hearld, L., Alexander, J., Bodenschatz, L. and **Y. Shi**. (2015). *“Leader Perceptions of Multi-Sectoral Healthcare Alliance Response to Health Reforms”*, American Journal of Accountable Care, 3(1):37-44
6. Alexander, J., Hearld, L. and **Y. Shi**. (2015). *“Assessing Organizational Change in Multi-sector Community Health Alliances”*, Health Services Research, 50(2):98-116.
7. Hearld, L., Alexander, J. and **Y. Shi**. (2014). *“Leadership Transitions in Multisectoral Health Care Alliances: Implications for Member Perceptions of Participation Value”*, epub online ahead of print, July 15, 2014, Health Care Management Review.
8. Bhandari, N., **Shi, Y.** and K. Jung. (2014). *“Health Information Seeking Online: Does Limited Health Care Access Matter?”* Journal of the American Medical Informatics Association, 21(6):1113-1117.
9. Verevkina, V., **Shi, Y.**, Fuentes-Caceres, V. and D. Scanlon. (2014). *“The Association between Baseline Self-efficacy and Attrition in a Chronic Disease Self-Management Program”*, Health Education & Behavior, 41(6):590-598.
10. Jung, K., Lim, D. and **Y. Shi**. (2014). *“Racial/ethnic Disparities in the Use of Antidepressants in Private Coverage: Implications for the Affordable Care Act”*, Psychiatric Services, 65(9):1140-1146.

11. Hearld, L., Alexander, J., **Shi, Y.** and L. Casalino. (2014). *“Pay-For-Performance and Public Reporting Program Participation and Administrative Challenges among Small- and Medium-Sized Physician Practices”*, Medical Care Research and Review, 71(3): 299–312.
12. Lim, D., Jung, K. and **Y. Shi.** (2013). *“The Use of Antidepressants and Psychotherapy: National Trend and the Role of Medicare Part D, 1997-2009”*, Psychiatric Services, 64(10):1038-42.
13. Martsof, G., Alexander, J., **Shi, Y.**, Casalino, L., Rittenhouse, D., Scanlon, D. and S. Shortell. (2012). *“Patient Centered Medical Home and the Patient Experience”*, Health Services Research. 47(6):2273-95.
14. Scanlon, D., Alexander, J., Beich, J., Christianson, J., Hasnain-Wynia, R., McHugh, M., Mittler, J., **Shi, Y.** and L. Bodenschatz. (2012). *“Evaluating the Impact of a Community-Based Program to Improve Health Care Quality: The AF4Q Research Design”*, American Journal of Managed Care. 18:eS165-eS176.

#### **Under Review:**

1. **Shi, Y.**, Scanlon, D., Bhandari, N., and J. Christianson (2016). *“The Awareness and Use of Physician Quality Information – Do Availability and Applicability of Public Reports Matter?”* revise and resubmit, Health Services Research.
2. McHugh, M., **Shi, Y.**, Ramsey, P., Harvey, J., Casalino, L., Fareed N., Shortell, S. and J. Alexander (2016). *“Using Local, Multi-Stakeholder Alliances to Spread Patient-Centered Medical Home Processes”*, revise and resubmit, Health Affairs.
3. Bhandari, N., **Shi, Y.**, Hearld, L., and M. McHugh (2016). *“Do Health Shocks Improve Disease Self-Management Among Depressed Adults?”* – Revise and Resubmit, Journal of Health Psychology
4. Mittler, J. M., Strumpf, E., and **Y. Shi** (2016). *“Being an adviser about health issues to friends and family: Is this social role related to engaging in health-promoting behaviors among the chronically ill?”* under review, Health Education and Behavior
5. Nam, Y. H., Shea, D. G., **Shi, Y.** and J. Moran. *“State Prescription Drug Monitoring Programs and Fatal Drug Overdoses”*, - under review, American Journal of Public Health.

### **Selected Work in Progress:**

6. **Shi, Y.**, Fuentes, V., and J. Ma. ***“Patient Experience of Care Coordination and the Use of Electronic Health Record in Physician Practices”*** - Final draft being prepared for submission to Journal of the American Medical Informatics Association.
7. Greene, J., **Shi, Y.**, Christianson, J., and D. Scanlon. ***“An evaluation of a multi-stakeholder alliance effort to spark consumer use of comparative quality information on health providers”***
8. Bleser, W. K., Sherman-Wilkins, and **Y. Shi**. ***“Influenza Vaccination Disparities in Chronically-ill U.S. Adults: An Intersectionality Approach”***

### **Selected Conference Abstracts and Presentations (peer-reviewed):**

**Shi, Y.** and R. Padman, ***“Information Technology Adoption and Hospital Quality: An Empirical Analysis”***, the First Annual Workshop on Health IT and Economics, 2010.

Martsof, G., Alexander, J., **Shi, Y.**, Casalino, L., Rittenhouse, D., Scanlon, D. and S. Shortell, ***“Patient Centered Medical Home and Patient Experience”***, Academy Health (podium), 2011.

**Shi, Y.**, Scanlon, D. and G. Martsof, G, ***“Community-Based Quality Improvement Programs and Hospital Quality”***, the International Health Economics Association (iHEA) Congress, 2011.

Lim, D., Jung, K. and **Y. Shi**, ***“The Use of Antidepressants and Psychotherapy: National Trend and Medicare Part D, 1997-2009”***, Academy Health (podium), 2012

**Shi, Y.**, Fuentes, V., Casalino, L., Shortell, S. and N. Verevkina, ***“The Experience of Care Coordination among Chronically Ill Patients at Small and Medium Sized Physician Practices - Is Health Information Technology a Factor?”***, Academy Health (poster), 2012.

**Shi, Y.**, McHugh, M., Kang, R. and S. Dresden, ***“Patient Centered Medical Home and Emergency Department Utilization”***, the Society for Academic Emergency Medicine (SAEM) Annual Meeting, 2012.

McHugh, M., Kang, R., **Shi, Y.**, Dresden, S., Mittler, J. and V. Fuentes, ***“Patient Activation and Emergency Department Utilization”***, the Society for Academic Emergency Medicine (SAEM) Annual Meeting, 2012.

**Shi, Y.**, Scanlon, D., Bhandari, N. and J. Christianson, ***“Community Level Quality Reporting and the Awareness and Use of Physician Quality Information among Individuals with Chronic Illnesses”***, Academy Health (poster), 2013.

Bhandari, N., **Shi, Y.** and K. Jung, ***“The Access to Health Care and the Use of Internet for Health Related Information”***, Academy Health (poster), 2013.

Scanlon, D., **Shi, Y.**, Bhandari, N. and J. Christianson, ***“The Quality Transparency Movement: Awareness of Physician “Report Cards among the Adult Chronically Ill”***, Medicine Grand Rounds – Medical University of South Carolina, 2013.

**Shi, Y.**, Scanlon, D., Bhandari, N. and J. Christianson, ***“The Awareness and Use of Physician Quality Information – Do Availability and Applicability of Public Reports Matter?”*** the Fourth Annual Workshop on Health IT and Economics, 2013.

Bhandari, N., **Shi, Y.** and K. Jung, ***“Health Information Seeking Online: Does Limited Health Care Access Matter?”*** the Fourth Annual Workshop on Health IT and Economics, 2013.

McHugh, M., Harvey, J., Kang, R., **Shi, Y.** and D. Scanlon, ***“Measuring the Dose of Quality Improvement Initiatives”***, Academy Health (podium), 2014.

Bhandari, N., **Shi, Y.** and K. Jung, ***“Patient-Reported Provider Refusal of Medicaid Coverage In Adults: How Bad Is It And How Does It Matter?”*** Academy Health (podium), 2014.

Mittler, J., **Shi, Y.** and E. Strumpf, ***“Are chronically-ill adults who advise friends and family about health issues more likely to be engaged in their own health care than those who do not assume this social role?”***, Academy Health (poster), 2014.

**Shi, Y.**, Scanlon, D. and J. Christianson, ***“Evaluating a Complex Multi-Site Health Care Improvement Initiative – The Impact of Public Reporting”***, American Evaluation Association Annual Conference, 2014.

**Shi, Y.**, Fuentes, V., McHugh, M., Greene, J., Verevkina, N., Casalino, L. and S. Shortell, ***“Electronic Health Records and Patient Activation – Their Interactive Role in Medication Adherence”***, International Conference on Smart Health, 2015

Bhandari, N., **Shi, Y.** and K. Jung, ***“Employment in Health Care Industry and Receipt of Recommended Primary Preventive Care”***, Academy Health (poster), 2015.

Scanlon, D., **Shi, Y.**, and N. Bhandari, N, ***“Awareness and Use of Comparative Provider Quality Information among the Chronically Ill: Impact of Regional Media Coverage and Dissemination”***, the International Health Economics Association (iHEA) Congress, 2015

## **Journal Referee:**

BMC Health Services Research

## **Teaching:**

### **Instructor – Tepper School of Business, Carnegie Mellon University:**

Marketing Research (2006)

Instructor Rating: 4.02/5.00

### **Instructor – Heinz College, Carnegie Mellon University:**

Economic Analysis (Intermediate Microeconomics) – 2007, 2009

Instructor Rating: 4.86/5.00

Quantitative Fundamentals for Public Policy –2006, 2007, 2008, 2009

Instructor Rating: 4.47/5.00

### **Guest Lecturer – Health Policy and Administration, Pennsylvania State University:**

Introduction to Health Services Organizations and Delivery – 2013, 2014

### **Instructor – Health Policy and Administration, Pennsylvania State University:**

Health Economics – 2015, 2016

### **Teaching Assistant - Heinz College, Carnegie Mellon University, 2004-2009:**

PhD Econometric Theory and Methods (*Lecturing for review sessions*)

PhD Microeconomics

Financial Management for Health Care

Cost Benefit Analysis (*Lecturing for review sessions*)

Financial Analysis for Managers (*Lecturing for review sessions*)

Intermediate Macroeconomics (*Lecturing for review sessions*)

Intermediate Microeconomics (*Lecturing for review sessions*)

Management Science

Decision Making under Uncertainty

## **Languages:**

Chinese (native); English (fluent); French and German (reading only)