

SHINYI WU, PHD

BUSINESS ADDRESS

Suzanne Dworak-Peck School of Social Work
University of Southern California
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EDUCATION

- Doctor of Philosophy**..... **January 2000**
Department of Industrial Engineering, *Health Systems specialization*
University of Wisconsin–Madison
- Master of Science** **December 1993**
Department of Industrial Engineering, *Quality Engineering specialization*
University of Wisconsin–Madison
- Bachelor of Science** **September 1992**
Department of Industrial Engineering
Chung Yuan Christian University, Taiwan

PROFESSIONAL EXPERIENCE

- Associate Director of Social and Health Services Research**..... **2015–present**
Edward R. Roybal Institute on Aging
University of Southern California, Los Angeles, CA
- Associate Professor** **2014–present**
School of Social Work and Daniel J. Epstein Department of Industrial and Systems Engineering
University of Southern California, Los Angeles, CA
- Adjunct Engineer Researcher** **2008–2015**
Health Program & Technology and Applied Sciences Group
The RAND Corporation, Santa Monica, CA
- Assistant Professor**..... **2014**
School of Social Work
University of Southern California, Los Angeles, CA
- Assistant Professor**..... **2008–2013**
Daniel J. Epstein Department of Industrial and Systems Engineering
University of Southern California, Los Angeles, CA
- Adjunct Professor** **2007–2011**
Pardee RAND Graduate School
The RAND Corporation, Santa Monica, CA
- Engineer Researcher**..... **2006–2007**
Health Program & Technology and Applied Sciences Group
The RAND Corporation, Santa Monica, CA
- Adjunct Assistant Professor**..... **2003**
Department of Industrial Engineering
Chung Yuan Christian University, Chung-Li, Taiwan

Associate Engineer 1999–2006
 Health Program & Technology and Applied Sciences Group
 The RAND Corporation, Santa Monica, CA

PRIMARY RESEARCH INTERESTS

Study and apply advanced intervention design and analytical methods to improve quality and efficiency of health services and policies, behavior health, and promotion of prevention and healthy aging, especially for vulnerable populations. Specifically,

- Identify and evaluate evidence on best practices as a basis for selecting new interventions and policies.
- Design, implement, analyze, and evaluate evidence-based interventions, including health information technologies and process redesign approaches.
- Study interventions and policies using statistical and mixed-methods analysis, cost and benefit analysis, and systems modeling.

HONORS AND AWARDS

Top Rated Abstract..... 2015
 Annual North American Meeting, Society for Medical Decision Making, St. Louis, MO

Honorable Mention (among 59 submissions)..... 2015
Preventing Chronic Disease Annual Student Paper Contest, National Center for Chronic Disease Prevention and Health Promotion, U.S. Centers for Disease Control and Prevention (With Doctoral student Haomiao Jin and clinical fellow mentee Paul Di Capua)

Outstanding Teacher of the Year 2015
 Daniel J. Epstein Department of Industrial and Systems Engineering, University of Southern California

Sterling C. Franklin Award for Distinguished Faculty 2015
 School of Social Work, University of Southern California

Best Poster Paper 2014
 International Conference on Big Data and Analytics in Health Care, Singapore

Honorable Mention (among 67 submissions)..... 2014
Preventing Chronic Disease Annual Student Paper Contest, National Center for Chronic Disease Prevention and Health Promotion, U.S. Centers for Disease Control and Prevention (With Doctoral student Brian Wu et al.)

Faculty Development Award 2008
 Chinese American Faculty Association of Southern California

RAND Merit Bonus Bronze Award 2007
 For improving policy and decision-making through research and analysis
 The RAND Corporation, Santa Monica, CA

Honor of Service for Quality..... 2007
 Chinese Society for Quality, Taipei, Taiwan

Most Outstanding Abstract..... 2004
 AcademyHealth 21th Annual Research Meeting, San Diego, CA

Honor of Teaching Services 2003
 Department of Industrial Engineering

Chung-Yuan Christian University, Chung-Li, Taiwan

TEACHING

Courses, Tutorials, and Workshops Taught

At University of Southern California

SOWK 546 Science of Social Work (Instructor rating 3.8/5.0)

ISE 651 Seminar in Industrial and Systems Engineering (Average instructor rating 4.6/5.0)

ISE 650 PhD Seminar in Industrial Engineering (Average instructor rating 4.6/5.0)

ISE 599 Seminar on Healthcare Systems Engineering (Instructor rating 5.0/5.0)

ISE 599 Comparative Effectiveness Research in Health Systems (Instructor rating 4.5/5.0)

ISE 564 Performance Analysis (Average instructor rating 4.4/5.0)

ISE 344 Management of Engineering Teams (Average instructor rating 4.0/5.0)

ISE 105 Introduction to Industrial and Systems Engineering (Instructor rating 4.2/5.0)

At Pardee RAND Graduate School

Tutorial on Understanding the U.S. Healthcare Systems and Health Policy

Tutorial on Health Decision Making and Epidemiological Modeling

At Chung Yuan Christian University

Health Services Management Engineering Workshop

Doctoral Students

As committee chair and graduate advisor (graduated)

1. Yuyan Shi, PhD, *Three Essays on Economics and Health Behaviors in a Developing Country: Evidence from China*, Pardee RAND Graduate School, 2011, as Co-Advisor. Currently a tenure-track Assistant Professor in Health Policy Division of Department of Family and Preventive Medicine at University of California, San Diego, California.
2. Hamid Reza Chabok, PhD, *Development of High Frequency 1-3 Composite Annular Array Ultrasound Transducers and a Digital Micro-Manufacturing Method for Piezocomposites*, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, 2011, as Co-Advisor. Currently the Director of Research and Development at MedPro Imaging in Denver, Colorado.
3. Pai Liu, PhD, *An Agent-based Simulation Framework to Study Accountable Care Organizations (ACO)*, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, 2013. Formerly a Researcher and Modeler of the Theory and Technology Group for Agile Organizations in Palo Alto Research Center, Palo Alto, California. Currently a Data Scientist at Airbnb, Inc., San Francisco, California.
4. Caitlin Hawkins, PhD, *A System Framework for Evidence-Based Implementations in a Healthcare Organization*, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, 2013. Currently a Business Analyst at Advisory Board Company in Austin, Texas.
5. Fei Li, PhD, *A Framework for Examining Relationships among Electronic Health Record (EHR) System Design, Implementation, and Physicians' Work Impact: A Survey of Resident Perceptions*, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California. Formerly a Global Initiative Researcher in Microsoft Corporation,

Seattle, Washington. Currently a Data Scientist in the Display Ads Department at Google in Mountain View, California.

6. Irene Vidyanti, *Simulation Modeling to Evaluate Cost-Benefit of Multi-Level Screening Strategies Involving Behavioral Components to Improve Compliance: The Example of Diabetic Retinopathy*, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, passed dissertation defense examination in March 2014. Currently a researcher at the Los Angeles County Department of Public Health and the USC Schaeffer Center for Health Policy and Economics, Los Angeles, California.
7. Haomiao Jin, *Clinical Forecasting Models to Predict Concurrent Depression among Diabetes Patients with Applications in Depression Screening Policy Making*, USC Provost/Viterbi Fellow, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, passed dissertation defense examination in February 2016. Finalist, Lee B. Lusted Student Prizes, Society for Medical Decision Making, 2015. Currently a post-doctoral research associate at the School of Social Work and Edward R. Roybal Institute on Aging, University of Southern California.
8. Magaly Ramirez, *Engineering A Behavioral and Social Support Prompting System to Increase Physical Activity Among Underserved Adults with Type 2 Diabetes*, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, passed dissertation defense examination in April 2016. Recipient of NSF Graduate Research Fellowship 2011-2014. Stroke Disparities Research Fellow of the Los Angeles Stroke Prevention/Intervention Research Program in Health Disparities, 2013-2014. Recipient of NIH Pre-doctoral Diversity Scholar Fellowship, 2014-2016. Currently a post-doctoral fellow at the Los Angeles Area Health Services Research Training Program Postdoctoral Fellowship, University of California, Los Angeles.

As committee chair, co-chair, and graduate advisor (in progress)

9. Abdullah Alibrahim, *Developing an Agent-Based Framework to Evaluate the Anti-Competitive Implications of Accountable Care Organizations*, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, Kuwait Government Scholarship Fellow, passed qualifying examination in November 2015.
10. John Franklin (co-chair), *A Provider Payment System to Foster Health Care Services that Reduce Medical Need*, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, passed qualifying examination in January 2014.
11. Olivia Evanson, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California.

As dissertation committee member (graduated and in progress)

12. Xiaohui Zhuo, PhD, *Improving Health Care for Chronic Kidney Disease: Cost-effectiveness Analysis Based on a Simulation Model*, Pardee RAND Graduate School, 2009. Formerly Health Economist at the National Center for Chronic Disease Prevention and Health Promotion, Centers for Disease Control and Prevention. Currently Health Economist at Merck Pharmaceutical Inc.
13. Limei Cheng, PhD, *Integrative Modeling of Autonomic and Metabolic Interactions in Sleep-Disordered Breathing*, Biomedical Engineering Department, Viterbi School of Engineering, University of Southern California, 2009. Currently Research Scientist in the Department of Clinical Decision Support Solutions, Philips Research North America.
14. Lynn M Garofalo-Wright, DPPD, *Planning Care with the Patient in the Room: A Patient-Focused Approach to Reducing Heart Failure Readmissions*, Price School of Policy, Planning, and

Development, University of Southern California, 2012. Currently Kaiser Permanente Healthcare Performance Improvement Mentor.

As dissertation proposal committee member (graduated and in progress)

15. Yintao Ren, PhD, *Logistics Models for Health Care under Uncertainty and Resource Constraints*, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, Received PhD degree in May, 2011. Currently Senior Science Analyst, Science Team of R&D Department, Manhattan Associates.
16. Brian Wu, PhD, Keck School of Medicine, University of Southern California. Received PhD degree in May, 2015. Currently working on finishing the MD degree in Keck School of Medicine, University of Southern California, 2015.
17. Xiaoli (Charlene) Niu, *A Simulation of Long-Term Health Outcomes in Persons with Hemophilia*, School of Pharmacy, University of Southern California, passed qualifying examination in May 2015.
18. Christina Chen, *Analysis of Non-Interventional Study Data to Identify Opportunities for Treatment Optimization in Small Hereditary Disease Populations*, School of Pharmacy, University of Southern California, passed qualifying examination in November 2015.
19. Zhengping Che, *Deep Learning Models for Computational Phenotyping in Health Care*, Department of Computer Science, University of Southern California, passed qualifying examination in April 2016.
20. Chung Hyeon Jeong, *The Interaction Effects of Limited English Proficiency and Ethnicity on Health Insurance Coverage and Healthcare Services Utilization among Asian Americans in California*, School of Social Work, University of Southern California, passed qualifying examination in September 2016.
21. Qianwei Zhao, School of Social Work, University of Southern California, passed qualifying examination in January 2016.

MENTORING

1. Paul Di Capua, MD, MBA, MSHPM, Clinical Scholar Fellow, Department of Internal Medicine, University of California, Los Angeles, 2013 – 2015. Currently Medical Director of Primary Care Development and Evaluation, Center for Healthcare Advancement & Outcomes, Baptist Health Medical Group, Baptist Health South Florida, and Assistant Professor of Medicine, Herbert Wertheim College of Medicine, Florida International University
2. Hsinyi Hsiao, PhD, Research Assistant Professor, School of Social Work, University of Southern California, 2014 – 2015.
3. Weiyu Mao, PhD., Postdoctoral Fellow, School of Social Work, University of Southern California, 2015 – 2016. Currently as Assistant Professor of School of Social Work in University of Nevada, Reno.
4. Elizabeth Burner, MD, MPH, Assistant Professor of Clinical Emergency Medicine, Research Division, Department of Emergency Medicine, Keck School of Medicine of the University of Southern California, serving as faculty mentor for Dr. Burner's K23 award titled "Trial to Examine Text Message-based mHealth in Emergency department patients with Diabetes with Family And friends Network Supporters (TEXT-MED+FANS)", 2015 – present.
5. Haomiao Jin, PhD, post-doctoral research associate at the School of Social Work and Edward R. Roybal Institute on Aging, University of Southern California, 2016 – present.

FUNDED RESEARCH
Serving as Principal Investigator (PI), Co-PI, or Sub-Award PI
At University of Southern California

1. EAGER: Studying the Dynamics of In Home Adoption of Socially Assistive Robot Companions for Elderly (PI: Maja Mataric, funded by the National Science Foundation, September 2015–August 2017, \$250,000): **Co-Principal Investigator**. There is a clear need for ethical, age-appropriate, and personalized companion technologies for the elderly and their caregivers, and studies already show a user preference for embodied (robot) companions over screen-based ones. Such technologies naturally disrupt the family dynamic, by design and by side-effect. This project will iteratively develop and probe the effects of introducing an in-home socially assistive robot at multiple levels (with the older adult user, with an in-home family caregiver, and with other family members) and in different interaction contexts (user-caregiver, user-visitors, and caregiver-visitors).
2. Projection of the Prevalence and Costs for Latinos with Alzheimer’s and Other Dementia through 2060 (PI: Shinyi Wu, funded by the USAgainstAlzheimer’s Network, June 2015–December 2015, \$20,000): The purpose of this project is to conduct research, analysis, and the preparation of a report detailing the economic impact of Alzheimer’s in the Latino Community in the United States with projection through 2060.
3. Intergeneration Mobile Technology Opportunities Program (IMTOP) in Taiwan (PI: Shinyi Wu, funded by the Taipei Fubon Bank Charity Foundation, July 2014–August 2017, \$1,500,000): **Principal Investigator**. To understand the full potential of mobile computing technology to improve quality of life and health outcomes of older adults with disabilities, this project will provide mobile technology training, access, and intergenerational support by young volunteers to adults 50 years old or older with diabetes and disabilities in Taiwan to promote their self-care and self-help. A randomized controlled trial with 350 older adults and 140 young volunteers will be conducted to test the program effectiveness.
4. Faculty Award for Intergeneration Mobile Technology Opportunity Program (IMTOP) in Taiwan (PI: Shinyi Wu, funded by the Tsai Family Research Fund for Taiwan Studies Award, USC, April 2014–August 2014, \$5,000): **Principal Investigator**. Hold a public symposium and research workshop in Taiwan to plan a cross-country (US and Taiwan) comparative study of IMTOP that target older people with chronic illness or functional disability and train younger generations to teach these older people to use mobile technology for self-care and self-help.
5. Promoting Regular Physical Activity among Type 2 Diabetes Safety-net Patients through Personalized Messaging and Social Network (PI: Shinyi Wu, funded by the Daniel Epstein Institute, USC, March 2014–March 2015, \$5,000): **Principal Investigator**. Test feasibility of using mobile health automated phone-messaging technology to address the unmet need to improve physical activity among low-income, Spanish-speaking adults with type 2 diabetes.
6. Predicting Depression Outcomes to Facilitate Large-Scale Depression Management (PI: Paul Di Capua, selected as the awardee among 32 proposals for the Pathways to Clinical Forecasting Pilot Competition and funded by the Autism Intervention Research Network for Behavior Health, UCLA, March 2014–August 2014, \$14,792): **Co-Principal Investigator**. Make prediction models from diabetes+depression clinical trial datasets to predict the depression course and to identify predictors among patients with diabetes in order to design a patient-centered, scalable depression management system.
7. Evaluation of San Francisco Broadband Technology Opportunities Programs (PI: Shinyi Wu, funded by the Community Technology Network, February 2013–September 2013, \$43,500): **Principal Investigator**. Evaluate efficacy of the San Francisco Broadband Technology Opportunities Program

(SF-BTOP), which aims to increase broadband Internet usage among seniors and adults with disabilities in order to improve their psychosocial well-being and health.

8. Los Angeles Stroke Prevention/Intervention Research Program in Health Disparities (PI: Barbara Vickrey, University of California, Los Angeles, funded by the National Institute of Neurological Disorders and Stroke, National Institutes of Health, U54NS081764, September 2012–August 2017, \$11,023,341): **Co-Principal Investigator of USC subcontract** (\$239,941 for Shinyi Wu under USC sub-award, PI: Nerses Sanossian). Design a mobile health technology application and an evaluation to measure perceptions of usefulness, ease of use, and willingness to adopt the mobile health technology from multiple stakeholders' perspectives to support one of the center's aims: to create and test sustainable interventions to redress racial/ethnic disparities in the occurrence of stroke. To mentor Magaly Ramirez as a NIH Pre-doctoral Diversity Scholar Fellowship research fellow.
9. Care Management Technology to Facilitate Depression Care in Safety Net Diabetes Clinics, a.k.a. DCAT (PI: Shinyi Wu, funded by the United States Department of Health and Human Services, 1R18AE000054-01, September 2010–August 2013, \$2,998,486): **Principal Investigator**. Develop an innovative depression care management technology to improve the adoption of existing comparative effectiveness research (CER) information about depression care; and test the intervention through a quasi-experimental, three-arm trial in a large urban public health system with diabetic patients to assess the clinical effectiveness and cost-effectiveness of alternative CER adoption strategies.
10. Pilot Study of Remote Monitoring for Identifying Palliative Care Needs among Seriously Ill Patients (PI: Susan Enguidanos, funded by the Southern California Clinical and Translational Science Institute Pilot Funding Program, July 2012–June 2013, \$58,529): **Co-Principal Investigator**. Feasibility test remote monitoring of seriously ill patients' pain and symptoms using mobile technology in order to understand barriers, facilitators, and acceptability of technology use among this population and their providers.
11. Advancing Clinical Decision Support (PI: Douglas Bell, RAND, funded by the United States Department of Health and Human Services, HHSP23320095649WC, Task Order No. 13, May 2010–December 2011, \$4,057,787): **Principal Investigator of USC subcontract** (\$49,999). Match clinical decision support (CDS) intervention types with healthcare workflows in which those interventions are appropriate, and identify CDS needs and techniques for clinical specialties.
12. Roybal Center for Health Policy Simulation – Continuation (PI: Dana Goldman, funded by the National Institute on Aging, National Institutes of Health, 5P30AG024968-02, August 2009–July 2014, \$1,693,243): **Co-Principal Investigator and Associate Director**. Develop better models to assess the impact of aging on health, health spending, and healthcare delivery. The ultimate goal of the Center is to translate existing policy analyses and other aging-related research into policy tools that result in better health investments.
13. Evaluation of Lean Core Measures Improvement Initiative (PI: Shinyi Wu, funded by the California HealthCare Foundation, CHCF 08-1889, March 2009–July 2010, \$94,866): **Principal Investigator**. Evaluate the effects of implementing lean management principles in four public hospitals for improving congestive heart failure core performance measures.
14. Testing RxNorm and the NCPDP SCRIPT 10.5 Standard for Enhanced E-Prescribing—Master Project for Medicare, Medicaid Research and Demonstration (PI: Douglas Bell, RAND, funded by the Centers for Medicare and Medicaid Services, September 2008–September 2009, \$1,884,306): **Principal Investigator of USC subcontract** (\$107,998). Analyze and model workflow for evaluating two electronic prescribing standards.
15. Building an Implementation Toolset for E-Prescribing (PI: Douglas Bell, RAND, funded by the Agency for Healthcare Research and Quality, HHS2902006000171, Task Order No. 4, August 2008–March 2011, \$1,999,551): **Principal Investigator of USC subcontract** (\$140,973). Study

exemplary sites and development of guidance and tools for workflow analysis, modeling, and cost analysis to facilitate adoption of electronic prescribing in clinics and in pharmacies.

16. Management Engineering in Safety Net Hospitals (PI: David Belson, funded by the California HealthCare Foundation, CHCF 08-1170, August 2008–September 2009, \$232,684): **Co-Principal Investigator**. Improve efficiency and patient access in hospital surgery departments through patient flow analyses and applications of management engineering methods.

At RAND Corporation

1. Developing a Guide to Identifying and Remediating Unintended Consequences of Implementing Health IT (PI: Shinyi Wu, funded by the Agency for Healthcare Research and Quality, HHS2902006000171, Task Order No. 5, May 2009–June 2010, \$399,909): **Principal Investigator and Project Director**. An Accelerating Change and Transformation In Organizations and Networks (ACTION) project to develop, user-test, and disseminate an empirically grounded, practical guide to identifying and remediating unintended consequences of implementing health information technology.
2. Smallpox Vaccine Research Policy Analysis Follow-up (PI: Shinyi Wu, funded by the National Institute of Allergy and Infectious Diseases, National Institutes of Health, KRA-4406-RAND-069, October 2007–September 2009, \$315,760): **Principal Investigator**. Develop and knowledge-transfer a vaccine regimen research investment and long-term policy analysis model that can be easily and reliably run by NIAID as circumstances and knowledge about smallpox vaccine and therapeutic options change.
3. Cost-effectiveness in Physical Activity Promotion (PI: Shinyi Wu, funded by the National Cancer Institute, National Institutes of Health, R21CA122664, April 2007–March 2010, \$399,509)(Proposal review rated priority percentile 1%) : **Principal Investigator**. A standardized, comparative cost-effectiveness analysis of proven effective physical activity interventions.
4. Redesigning Delivery Processes for Efficiency and Value: Implementing, Assessing, and Spreading Redesign Methods and Techniques (PI: Shinyi Wu, funded by the Agency for Healthcare Research and Quality, HHS2902006000171, Task Order No. 1, September 2006–September 2009, \$399,539): **Principal Investigator and Project Director**. Develop redesign strategies for improving hospital care structure and processes and testing of the strategies in an applied multi-site intervention and quasi-experimental evaluation. Administered as a partnership of the University Health System Consortium and the RAND Corporation.
5. Integrating Chronic Care and Business Strategies in the Safety Net (PI: Shinyi Wu, funded by the Agency for Healthcare Research and Quality, HHS2902006000171, Task Order No. 2, September 2006–July 2009, \$498,870): **Principal Investigator and Project Director**. Develop, implement, evaluate, and disseminate a toolkit and companion coaching manual to facilitate efficient and financially viable adoption of the Chronic Care Model (CCM) in safety net organizations. Administered as a partnership of MacColl Institute for Healthcare Innovation at the Group Health Cooperative, the California Health Care Safety Net Institute (SNI), and the RAND Corporation.
6. Smallpox Vaccine Research Policy Analysis (PI: Samuel Bozzette, funded by the National Institute of Allergy and Infectious Diseases, National Institutes of Health, May 2005–September 2006): **Co-Principal Investigator**. Modeling and decision analysis to help NIAID analyze and compare the implications of various smallpox vaccine and treatment research investment scenarios.
7. Surveillance of Lung Cancer Trends in the US with MISCAN (PI: Robert Boer, funded by the National Cancer Institute, National Institutes of Health, September 2002–February 2008, \$383,264/year): **Co-Principal Investigator**. Develop, calibrate, and validate a simulation model for lung cancer to address surveillance questions on observed population trends in incidence and mortality of lung cancer, as well as prediction of future trends in the United States population.

8. Research on Research, Center for HIV Identification, Prevention and Treatment Services (PI: Mary Jane Rotheram-Borus, University of California, Los Angeles, funded by the National Institute of Mental Health, National Institutes of Health, January 2002–August 2004): **Principal Investigator of RAND sub-award**. Consultation and study of quality and productivity improvement for research production process. Awarded a pilot grant for Development of CHIPTS Project Management Information System.
9. Community Trial to Increase Cancer Screening Adherence and Increasing Colorectal Cancer Screening through Churches (PI: Sarah Fox, University of California, Los Angeles, funded by the National Cancer Institute, National Institutes of Health, September 2000–December 2003): **Principal Investigator of RAND sub-award**. Develop scale for physician and patient survey data.
10. Prevalence and Costs Associated with Chronic Illness (PI: Shinyi Wu, funded by the Robert Wood Johnson Foundation, February 2000–September 2000, \$20,000): **Principal Investigator of RAND subcontract** with Johns Hopkins University. Project prevalence and costs associated with chronic illness in the next 30 years.

Serving as Co-Investigator or Research Team Member

At University of Southern California

1. A Helping Hand to Activate Patient-Centered Depression Care among Low-Income Patients (AHH, *El programa Mano Amigo*) (PI: Kathleen Ell, University of Southern California, funded by the Patient Centered Outcomes Research Institute (PCORI) Addressing Disparities program, September 2013–August 2016, \$1,293,693): **Co-Investigator** (Total funding \$101,003 for Shinyi Wu). Develop and test an innovative, culturally competent *A Helping Hand* program to assist community-based *promotores* better serve their patients. The program will use information technology to provide patient engagement/activation intervention aimed at reducing the burden of depression and relieving its strain on patients, families, and health care providers.

At RAND Corporation

2. Use of an Electronic Referral System to Improve the Outpatient Primary Care-Specialty Care Interface (PI: Douglas Bell, HHS2902006000171, Task Order No. 3, funded by the Agency for Healthcare Research and Quality, September 2007–September 2009): **Co-Investigator and Cost Analyst**. Model and estimate the business case for using a web-based electronic referral system developed by the University of California, San Francisco and San Francisco General Hospital.
3. RAND Bing Center on Health Economics (Director: Dana Goldman, funded by RAND, April 2006–August 2007): **Project Development Liaison** for the China Initiative aimed to design a sustainable healthcare financing system in China.
4. RAND—New Jersey E-prescribing Action Coalition (PI: Douglas Bell, funded by the Agency for Healthcare Research and Quality, January 2006–December 2006): **Workflow Process Modeler**. Estimate the impact of e-prescribing standards on workflow process to enable well-justified policy decisions regarding each of the six initial e-prescribing standards.
5. Roybal Center for Health Policy Simulation (PI: Dana Goldman, funded by the National Institute on Aging, National Institutes of Health, September 2004–July 2009, \$1,660,000): **Associate Director and Project Lead**. Research, develop, and disseminate models to understand how demographic trends and changes in medical treatment and prevention would affect the health status and health expenditures of older Americans.
6. Evaluating Pay-for-Performance in Breast Cancer (PI: Jason Wang, funded by the Andrew T. Huang Medical Education Promotion Fund, August 2004–July 2007): **Implementation Assessment Researcher**. Help the Andrew T. Huang Medical Education Promotion Fund evaluate the effects of a pay-for-performance pilot program on costs and quality of care; assist the Fund in planning the

intervention and prospective evaluation structure for an expansion of the project to other hospitals in Taiwan.

7. Evaluation of *Hablamos Juntos* (PI: Leo Morales, funded by the Robert Wood Johnson Foundation, May 2004–October 2006): **Cost Analyst**. Develop protocol and instrument for cost data collection. Collect and analyze the cost and implementation data of the ten *Hablamos Juntos* programs.
8. Evidence-Based Practice Centers (EPC) II: Agency for Healthcare Research and Quality (AHRQ) Health Information Technology Project (PI: Paul Shekelle, funded by the Agency for Healthcare Research and Quality, January 2004–April 2005): **Cost-effectiveness Analyst**. Literature synthesis and modeling in regard to costs and benefits of health information technology.
9. DREW/RAND/UCLA Comprehensive Center for Health Disparities (PIs: Elizabeth McGlynn and Roberto Vargas, funded by the Charles R. Drew University, October 2003–August 2008): **Project Lead** for policy modeling. Provide technical assistance and direct the policy and outcomes core of the center to address health disparities in renal disease that negatively affect racial and ethnic minority populations.
10. Accelerating Change and Transformation in Organizations and Networks (ACTION) (PI: Allen Fremont, funded by the Agency for Healthcare Research and Quality, March 2003–February 2010): **Topic Area Co-Lead** for health information technology and *ad hoc* project leader.
11. Cost-effectiveness in HIV Prevention Planning (PI: Deborah Cohen, funded by the Centers for Disease Control and Prevention, December 2001–December 2002): **Cost-effectiveness Modeler**. Develop a cost-effectiveness estimation tool and user manual for community planning groups.
12. Healthy Aging (PIs: Laurence Rubenstein and Paul Shekelle, funded by the Health Care Financing Administration, March 2000–June 2003): **Cost-effectiveness Analyst**. Literature synthesis and modeling in regard to cost-effectiveness of various healthy aging topics and preparation of evidence reports.
13. Improving Chronic Illness Care Evaluation (PI: Emmett Keeler, funded by the Robert Wood Johnson Foundation, October 1999–September 2004): **Implementation Assessment Researcher**. Qualitative and quantitative evaluation of the implementation and sustainability of the Chronic Care Model (CCM) by the participating sites.
14. George Washington University Medical Center: Options for the 21st Century (PIs: Albert Williams and Richard Hillestad, funded by the George Washington University, October 1999–March 2000): **Modeler**. Productivity modeling.
15. Evaluation of the Health Buddy System (PI: Shan Cretin, funded by the Health Hero, October 1999–December 1999): **Outcome Analyst**. Quantitative assessment of the Health Buddy System performance and impact on patient outcomes.

REFEREED PUBLICATIONS

Journal Publications (*Indicating student advisee or research fellow mentee)

1. Alibraham, A.*, & Wu, S. (2016). An agent-based simulation model of patient choice of health care providers in accountable care organizations. *Health Care Management Science*. Manuscript accepted for publication on September 09, 2016. doi: 10.1007/s10729-016-9383-1.
2. Ramirez, M., Wu, S., & Beale, E. D. (2016). Patient preferences for text messaging intervention features to support physical activity behavior change: Application of a discrete choice experiment with low-income Latino patients with diabetes. *Preventing Chronic Disease*. Manuscript accepted for publication on August 15, 2016.

3. Valenti, K. G., Portanova, J., Laguna J., **Wu, S.**, Ell, K., Stone, S., Enguidanos, S. (2016). Feasibility of smartphone use in monitoring pain and symptoms among patients with serious illness. *Clinical Nursing Studies*, 4(3), 18-24. doi: 10.5430/cns.v4n3p18
4. Ell, K., **Wu, S.**, Guterman, J.J., Gross-Shulman, S. G., Sklaroff, L. M., & Lee, P.-J. (2016). Comparative studies of collaborative team depression care adoption in safety net clinics. *Research on Social Work Practice*. Manuscript published online before print, March 31, 2016.
5. Ell, K., Aranda, M., **Wu, S.**, Oh, H., Lee, P.-J., Guterman, J.J. (2016). Promotora assisted depression care among predominately Hispanic patients with concurrent chronic illness: Public care system clinical trial design. *Contemporary Clinical Trials*, 46, 39-47. doi: 10.1016/j.cct.2015.11.012.
6. Di Capua, P. *, Wu, B. *, Sednew, R., Ryan, G., & **Wu, S.** (2016). Complexity in redesigning depression care: Comparing the intention versus the implementation of an automated depression screening and monitoring program. *Population Health Management*, 19(5), 349-56. doi: 10.1089/pop.2015.0084. Epub 2016 Mar 30.
7. Ramirez, M. *, **Wu, S.**, & Jin, H. *, Ell, K., Gross-Shulman, S. G., Sklaroff, L. M., & Guterman, J.J. (2016). Automated remote monitoring of depression: Acceptance among low-income patients in diabetes disease management. *JMIR Mental Health*, 3(1), e6. PMID: [26810139](https://pubmed.ncbi.nlm.nih.gov/26810139/), doi: [10.2196/mental.4823](https://doi.org/10.2196/mental.4823).
8. Ell, K., Oh, H., & **Wu, S.** (2016). Integrating bio-psychosocial intervention research in a changing health care landscape. *Research on Social Work Practice*, 26(1), 28-34. doi: 10.1177/1049731515579074
9. Jin, H. *, **Wu, S.**, & Di Capua, P. * (2015). Development of a clinical forecasting model to predict comorbid depression among diabetes patients and an application in depression screening policy making. *Preventing Chronic Disease*, 12, 150047. doi: <http://dx.doi.org/10.5888/pcd12.150047> (Selected as Honorable Mention in the 2015 Preventing Chronic Disease Annual Student Paper Contest.)
10. Jin, H. *, **Wu, S.**, Vidyanti, I. *, Di Capua, P. *, & Wu, B. *. (2015). A generalized multilevel regression model using longitudinal data to predict depression among patients with diabetes. *Methods of Information in Medicine*, 54(6), 553-559. doi:10.3414/ME14-02-0009.
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46. Jin, H.* & **Wu, S.** (2014). Developing depression symptoms prediction models to improve depression care outcomes: Preliminary results. In H. H. Teo & D. Poo (Eds.). *Proceedings of the 2nd International Conference on Big Data and Analytics in Healthcare*. (This article was awarded the Best Poster Paper Award).
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54. Vidyanti, I*., **Wu, S.**, & Kesselman, C. (2010). Two-level modeling for economic evaluation of diabetic retinopathy telescreening. In A. Johnson & J. Miller (Eds.), *Proceedings of the 2010 Industrial Engineering Research Conference*.
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Manuscripts Submitted for Publication

66. Arevian, A.C., Chung, B., Bell, D. P., Kretzman, M., Kasari, C., Narayanan, S., Kesselman, C., **Wu, S.**, Di Capua, P., Hsu, W., Keener, M., Pevnick, J., & Wells, K. (2016). Participatory methods to advance predictive analytic team science in translational research and healthcare. Manuscript submitted for publication (*Journal of Translational Medicine*).
67. Towfighi A, Cheng EM, Rivera-Ayala M, McCreath H, et al. (2016). Randomized controlled trial of a coordinated care intervention to improve risk factor control after stroke or transient ischemic attack in the safety net: Secondary stroke prevention by Uniting Community and Chronic care model teams Early to End Disparities (SUCCEED). Manuscript submitted for publication (*BMC Neurology*).

68. Guerrero, E. G., Alibraham, A.*, **Wu, S.**, & Kim, T. (2016). Understanding system stability and performance in addiction health services: Informing health care reform policy. Manuscript submitted for publication (*Health Care Management Review*).
69. Jin, H., **Wu, S.** (2016). Optimal cutoff point for risk prediction in primary care. Manuscript submitted for publication (*Medical Decision Making*).
70. Jin, H., **Wu, S.**, & Di Capua, P. (2016). Predicting individual risks for future depression and relevant conditions: A machine learning approach. Manuscript submitted for publication (*Health Services Research*).

Manuscripts in Preparation

71. Jin, H., **Wu, S.**, Di Capua, P. Application of clinical forecasting in managing depression screening and monitoring among patients with diabetes. (Target *Diabetes Care*).
72. **Wu, S.**, Vega, W., Jin, H. Projecting burden of Alzheimer's and other dementia for Hispanics through 2060. (Target *Health Affairs*).
73. Ramirez, M., **Wu, S.**, & Beale, E. Phone messaging for physical activity and social support prompting among low-income patients: A randomized pilot study." Manuscript in preparation. (Target *JMIR mHealth and uHealth*).
74. Ramirez, M., **Wu, S.**, Towfighi, A., & Vickrey B. "Using Mobile Health Tools to Support Team-Based Approaches for Chronic Disease Care." Manuscript in preparation (Target *JMIR mHealth and uHealth*).
75. Jin, H.*, **Wu, S.**, Vidyanti, I. Screening depression using automated telephone assessment: Impact of human element in human-computer interaction on self-disclosing sensitive information. Manuscript in preparation (Target *Journal of Medical Internet Research*)
76. Wu, B., Jin, H., Jang, J., Di Capua, P., Vidyanti, I. & **Wu, S.** Significant characteristics at baseline of low-income patients with diabetes in well controlled vs poorly managed A1C levels: The case of whole person care. Manuscript in preparation (Target *Diabetes Care*)
77. Hay, J. W., **Wu, S.**, Lee, P.-J., Guterman, J. J., & Ell, K. Cost effectiveness of patient-centered technological assessment and monitoring of depression for low-income diabetic patients. Manuscript in preparation (Target *The New England Journal of Medicine*)
78. Jin, H.*, **Wu, S.**, Duan N. Implementing the generalized propensity score method: Monte Carlo simulation experiments and a case study. Manuscript in preparation (Target *Statistical Methods in Medical Research*)
79. **Wu, S.**, Jin, H.*, Vidyanti, I.*, Chou, C., Ell, K., Lee, P., Guterman, J., & Katon, W. Comparative effectiveness of interventions to accelerate adoption of depression care management for diabetes patients: 6-month outcomes. Manuscript in preparation (Target *JAMA Psychiatry*).
80. **Wu, S.**, Hawkins, C.*, Koppel, R., Madison, M., Palen, T., Jones, S., Ridgely, R., & Harrison, M. Experiences of unintended consequences in organizations implementing healthcare information technology. Manuscript submitted for publication (Target *Perspectives in Health Information Management*).
81. Hawkins, C.*, **Wu, S.**, & Adler, P. A system framework for implementing evidence-based practices in a health care Organization—Part 1: Development of the ABCD implementation framework. Manuscript in preparation (Target *Implementation Science*).
82. Hawkins, C.*, & **Wu, S.** A system framework for implementing evidence-based practices in a health care organization—Part 2: Validation of the ABCD implementation framework. Manuscript in preparation (Target *Implementation Science*).

83. **Wu, S.**, Li, F.*, & Jin, H.* Barriers and benefits of learning computers and internet among seniors and adults with disabilities. Manuscript in preparation (Target *Journal of Social Work*).
84. Li, F.* & **Wu, S.** A framework for examining relationships among electronic health record systems design, implementation, and physicians' work impact: A survey of resident perceptions. Manuscript in preparation (Target *Journal of the American Medical Informatics Association*).
85. Jin, H.*, **Wu, S.**, Di Capua, P.* Extending a clinical forecasting model to predict future occurrence of depression among diabetes patients with application in depression screening policy making. Manuscript in preparation (Target: *Preventing Chronic Disease*).

OTHER PUBLICATIONS

1. **Wu, S.**, Vega, W.A., Resendez, J., Jin, H. (2016). Latinos & Alzheimer's disease: New numbers behind the crisis: Projection of the costs for U.S. Latinos living with Alzheimer's Disease through 2060. Chevy Chase, MD: LatinosAgainstAlzheimer's, a Network of UsAgainstAlzheimer's. Retrieved from https://roybal.usc.edu/wp-content/uploads/2016/09/Latinos-and-AD_USC_UsA2-Impact-Report.pdf
2. Bell, D. S., Straus, S. G., **Wu, S.**, Chen, A. H., & Kushel, M. B. (2012). Use of an electronic referral system to improve the outpatient primary care–specialty care interface: Final ACTION contract report (AHRQ Publication No. 11(12)-0096-EF, prepared by RAND Corporation under Contract No. HHS290200600017, Task Order No. 3.). Rockville, MD: Agency for Healthcare Research and Quality. Retrieved from <http://healthit.ahrq.gov/sites/default/files/docs/citation/ereferralimplementationreportfinal.pdf>
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4. Bell, D. S., Straus, S. G., Belson, D., **Wu, S.**, Green D. S., Crosson, J. C., Etz, R. S., Sagara, L., Wallis, K. A., & Eisenman D. P. (2011). A toolset for e-prescribing implementation in physician offices (AHRQ Publication No. 11-0102-EF, prepared by RAND Corporation under Contract No. HHS290-2006-00017I, Task Order No. 4). Rockville, MD: Agency for Healthcare Research and Quality. Retrieved from <http://healthit.ahrq.gov/health-it-tools-and-resources/implementation-toolsets-e-prescribing/toolset-e-prescribing>
5. Patel, M. H., Reynolds, K. A., Belson, D., **Wu, S.**, Sagara, L., Wallis, K. A., & Eisenman D. P., & Bell, D. S. (2011). A toolset for e-prescribing implementation in independent pharmacies (AHRQ Publication No. 11-0101-EF, prepared by RAND Corporation under Contract No. HHS290-2006-00017I, Task Order No. 4). Rockville, MD: Agency for Healthcare Research and Quality. Retrieved from <http://healthit.ahrq.gov/health-it-tools-and-resources/implementation-toolsets-e-prescribing/toolset-e-prescribing-0>
6. Jones, S. S., Koppel, R., Ridgely, M. S., Palen, T. E., **Wu, S.**, & Harrison, M. I. (2011). Guide to reducing unintended consequences of electronic health records. (Prepared by RAND Corporation under Contract No. HHS290200600017I, Task Order #5). Rockville, MD: Agency for Healthcare Research and Quality. Retrieved from <http://www.healthit.gov/unintended-consequences/>
7. Coleman, C., Pearson, M., & **Wu, S.** (2011). Integrating chronic care and business strategies in the safety net: A practice coaching manual. In R. Simons (Ed.), *Operations Management: A Modern Approach* (pp. 267–296). Canada: Apple Academic Press, Inc., 2011. ISBN:978-1-926692-90-6.

8. Coleman, C., Pearson, M., & **Wu, S.** (2009). Integrating chronic care and business strategies in the safety net: A practice coaching manual (AHRQ Publication No. 09-0061-EF, prepared by the RAND Corporation under Contract No. HHS290200600017). Rockville, MD: Agency for Healthcare Research and Quality. Retrieved from http://www.improvingchroniccare.org/downloads/icic_practice_coaching_manual.pdf
9. MacColl Institute for Healthcare Innovation. (2008). Integrating chronic care and business strategies in the safety net. (AHRQ Publication No. 08-0104-EF, prepared in partnership with RAND Corporation and the California Health Care Safety Net Institute, under Contract No. HHS2902006000171). Rockville, MD: Agency for Healthcare Research and Quality. Retrieved from <http://www.ahrq.gov/professionals/systems/primary-care/businessstrategies/businessstrategies.pdf>
10. Bell, D. S., Schueth, A. J., Crosson, J. C., Guinan, J. P., **Wu, S.**, Pevnick, J. M., Wang, C. J., Neuman, S. L., Patel, M., Park, H., Tysinger, B., Malakar, L., Schoeff, D., Bradley, M., & Newberry, S. J. (2007). Pilot testing of electronic prescribing standards (Grant No. 1U18HS016391-01). Rockville, MD: Agency for Healthcare Research and Quality. Retrieved from http://www.rand.org/content/dam/rand/www/external/health/projects/erx/documents/NJ-EPAC_Pilot_Testing_of_Electronic_Prescribing_Standards.pdf
11. **Wu, S.**, Cohen, D. A., Lu, S., & Farley, T. A. (2005). Maximizing local effect of HIV prevention resources. *Contagion*, 2(3), 127–132.
12. **Wu, S.**, & Green A. (2000). Projection of chronic illness prevalence and cost inflation (RAND Project Memorandum PM-1144). Santa Monica, CA: RAND Corporation.

INVITED CONFERENCE PRESENTATIONS AND SESSION CHAIRS

1. **Wu, S.** (2016, June). Invited session chair. *Data Analytics and Modeling for Improving Healthcare*. Session at the INFORMS International Conference, Waikoloa, HI.
2. **Wu, S.** (2016, May). Session chair. Healthcare Policy and Delivery Innovation Modeling and Analytics. Sessions at the Industrial and Systems Engineering Research Conference, Anaheim, CA.
3. **Wu, S.**, Alibrahim, A., & Guerrero, E. (2016, May). Understanding System Stability and Performance in Addiction Health Services. Presentation at the Production and Operations Management Society 27th Annual Conference, Orlando, FL.
4. **Wu, S.** (2015, May-June). Session chair. *Healthcare Analytics for Patient-centered Care and Patient Centered Healthcare Systems*. Sessions at the Industrial and Systems Engineering Research Conference, Nashville, TN.
5. **Wu, S.**, & Jin, H. (2015, May). *Comparing Clinical Forecasting Models to Predict Depression among Diabetes Patients*. Presentation at the Production and Operations Management Society 26th Annual Conference, Washington, D.C.
6. **Wu, S.** (2014, November). Invited session chair. *Analytics for chronic care decision-making*. Session at the INFORMS Annual Meeting, San Francisco, MN.
7. **Wu, S.**, Hay, J. W., & Jin, H. (2014, November). *Cost-effectiveness of HIT-facilitated adoption of collaborative depression care for diabetes patient*. Presentation at the INFORMS Annual Meeting, San Francisco, CA.
8. **Wu, S.** (2013, October). Invited session chair. *Decision making in health care: modeling, analysis, and applications*. Session at the INFORMS Annual Meeting, Minneapolis, MN.
9. **Wu, S.**, & Liu, P. (2013, October). *An agent-based system model to study health policy*. Presentation at the INFORMS Annual Meeting, Minneapolis, MN.

10. **Wu, S.** (2013, June). Invited session chair, *Modeling methods and applications in hospital performance improvement*. Session at the INFORMS Healthcare 2013, Chicago, IL.
11. **Wu, S.**, & Vidyanti, I. (2013, June). *Design and implementation of enhanced disease registry for depression tele-screening and monitoring*. Presentation at the INFORMS Healthcare 2013, Chicago, IL.
12. **Wu, S.**, Hawkins, C., Liu, P., Vidyanti, I., Mendez, E., Ell, K., & Guterman, J. (2012, October). Is automatic telephonic assessment reliable and valid for depression screening and monitoring? Presentation at the INFORMS Annual Meeting, Phoenix, AZ.
13. **Wu, S.**, Ell, K., Guterman, G., Lee, P., Vidyanti, I., Hawkins, C., & Liu, P. (2012, October). *Technology-enhanced care management reduces depression among minority diabetes: Preliminary findings*. Presentation at the INFORMS Annual Meeting, Phoenix, AZ.
14. Vidyanti, I., & **Wu, S.** (2012, October). *Robust design of a cost-effective diabetic retinopathy screening program with design of experiments*. Presentation at the INFORMS Annual Meeting, Phoenix, AZ.
15. Vidyanti, I., & **Wu, S.** (2011, November). *Integrated simulation modeling for screening of diabetic retinopathy*. Presentation at the INFORMS Annual Meeting, Charlotte, NC.
16. Liu, P., & **Wu, S.** (2011, November). *Use agent-based simulation framework to model health system*. Presentation at the INFORMS Annual Meeting, Charlotte, NC.
17. **Wu, S.** (2010, November). *Comparing cost-effectiveness of physical activity interventions*. Presentation at the INFORMS Annual Meeting, Austin, Texas.
18. Straus, S. G., Crosson, J. C., Etz, R. S., **Wu, S.**, Eisenman, D., & Bell, D. S. (2010, November). *Provider implementation best practices*. Presentation at the annual meeting of California E-Prescribing Consortium, Oakland, CA.
19. **Wu, S.** (2009, October). Invited session chair. *Healthcare operation management*. Session at the INFORMS Annual Meeting, San Diego, CA.
20. **Wu, S.** (2009, May). Invited session chair. *Quality in Health Care I*. Session at the IIE Annual Conference and Expo, Miami, FL.
21. **Wu, S.** (2009, April). Invited conference organizing committee and session chair. *Public policy analyses for controlling smallpox outbreak*. Session at the INFORMS Western Regional Conference, Tempe, AZ.

COMPETITIVELY REVIEWED AND CONTRIBUTED CONFERENCE PRESENTATIONS

Oral Presentations

1. **Wu, S.**, Jin, H. (2016, June). *Developing prediction models to improve depression detection among patients with diabetes*. INFORMS International Conference, Waikoloa, HI
2. Ramirez, M., **Wu, S.** (2016, May). *Patient acceptance of text/voice messaging to prompt health behavior change*. 2016 Industrial and Systems Engineering Research Conference, Anaheim, CA.
3. Ramirez, M., **Wu, S.** (2016, May). *Patient preferences for design features of phone message prompting system*. 2016 Industrial and Systems Engineering Research Conference, Anaheim, CA.
4. Ramirez, M., **Wu, S.**, Vickrey, B., Towfighi, A., Wacksman, J., Sivers-Teixeira, T., Haber, H. (2016, May). *Using mHealth tools to support team-based chronic disease care*. 2016 Industrial and Systems Engineering Research Conference, Anaheim, CA.
5. Alibrahim, A. & **Wu, S.** (2016, May). *A theoretical agent-based framework to evaluate anti-competitive implications of accountable care organizations*. 2016 Industrial and Systems Engineering Research Conference, Anaheim CA, USA.

6. **Wu, S.**, Alibrahim, A., & Guerrero, E. (2016, May). *Understanding system stability and performance in addiction health services: Informing health care reform policy*. Production & Operations Management Society Annual Conference, Orlando FL, USA.
7. Ramirez, M., **Wu, S.**, Vickrey, B., Towfighi, A., Wacksman, J., Sivers-Teixeira, T., Haber, H. (2016, April). *Using mobile health tools to support team-based approaches for chronic disease care*. 2016 Human Factors and Ergonomics Society Health Care Symposium, San Diego, CA.
8. Ramirez, M., **Wu, S.** (2016, April). *Identifying user preferences for design of phone message-based prompting system to activate physical activity and social support: Findings from a discrete choice experiment with urban, low-income, Hispanic adults with diabetes*. 2016 Human Factors and Ergonomics Society Health Care Symposium, San Diego, CA.
9. Jin, H., & **Wu, S.** (2015, November). A model to predict depression among diabetes patients with application in screening policymaking. INFORMS Annual Meeting, Philadelphia, PA.
10. Jin, H., & **Wu, S.** (2015, October). *Development of a clinical forecasting model for detecting comorbid depression among patients with diabetes and an application in depression screening policymaking*. Annual North American Meeting, Society for Medical Decision Making, St. Louis, MO. (Selected as a Top Rated Abstract.)
11. Ramirez, M., Jin, H., & **Wu, S.** (2015, July). *Perceived usability and acceptance of ongoing technology-facilitated depression monitoring*. 6th International Conference on Applied Human Factors and Ergonomics, Las Vegas, NV.
12. Alibrahim, A., & **Wu, S.** (2015, June). *Using agent based simulation to model patient bypass behavior in an accountable care organization health delivery system*. Academy Health Annual Research Meeting Minneapolis MN.
13. **Wu, S.**, Ramirez, M., Jin, H. (2015, June). *Patient acceptance of remote depression monitoring using automated technology*. Academy Health Annual Research Meeting. Minneapolis, MN.
14. Alibrahim, A., & **Wu, S.** (2015, May–June). *Modeling effects of patient bypassing healthcare providers on accountable care organizations using agent-based simulation*. Industrial and Systems Engineering Research Conference, Nashville, TN.
15. **Wu, S.**, Jin, H., & Vidyanti, I. (2015, May–June). *Comparing self-disclosure of sensitive clinical information in human computer interaction*. Industrial and Systems Engineering Research Conference, Nashville, TN.
16. Jin, H., **Wu, S.**, Di Capua, P., Vidyanti, I., & Wu, B. (2015, May–June). *A longitudinal predictive tool to forecast depression among diabetes patients*. Industrial and Systems Engineering Research Conference, Nashville, TN.
17. Alibrahim, A., & **Wu, S.** (2015, May). *Modeling patient choice in an accountable care organization health delivery system*. 2nd International Conference on Industrial Engineering, Management Science and Applications, Tokyo, Japan.
18. **Wu, S.** (2015, January). *Patient-centered technological assessment and monitoring to support clinical social workers in managing depression care*. Society for Social Work and Research (SSWR) 19th Annual Conference, New Orleans, LA.
19. **Wu, S.** (2015, January). *Learning computers and Internet in community centers to enrich senior life: impact and barriers*. Society for Social Work and Research (SSWR) 19th Annual Conference, New Orleans, LA.
20. Vidyanti, I. & **Wu, S.** (2014, December). *The case for incorporating heterogeneity and malleability of patient screening behavior in simulation models*. Winter Simulation Conference, Savannah, GA.
21. Vidyanti, I. & **Wu, S.** (2014, November). *Considering multiple perspectives in simulation modeling for better implementation of interventions*. INFORMS Annual Meeting, San Francisco, CA.

22. Jin, H., Di Capua, P., Vidyanti, I., **Wu, S.** & Wu, B. (2014, November). *Developing depression symptoms prediction models to improve depression care outcomes*. INFORMS Annual Meeting, San Francisco, CA.
23. Vidyanti, I., & **Wu, S.** (2014, November). *Considering heterogeneity of provider implementation of screening policies in simulation models*. INFORMS Annual Meeting, San Francisco, CA.
24. **Wu, S.**, Ramirez, M., Vidyanti, I., Lee, P. -J., & Ell, K. (2014, October). *Patient satisfaction and acceptance of technology-facilitated depression monitoring*. International Society for Research on Internet Interventions (ISRII) 7th Scientific Meeting, Valencia, Spain.
25. Alibrahim, A., **Wu, S.**, & Guerrero, E. G. (2014, June). *Substance abuse treatment system performance dashboard*. National Network for Social Work Management Conference, Boston, MA.
26. **Wu, S.**, Duan, N., Wu, A., Hoagwood, K. E., Ell, K. (2014, May). *Integrating social science and engineering to implement evidence-based social work practices in health care settings*. 4th International Conference on Sociology and Social Work, Los Angeles, CA.
27. Vidyanti, I., & **Wu, S.** (2014, May). *Using hierarchical simulation to evaluate the effect of clinic-based interventions on individual patient outcomes*. Industrial and Systems Engineering Research Conference, Montréal, Canada.
28. Ramirez, M., & **Wu, S.** (2014, May). *Using conjoint analysis to elicit patient preferences for mHealth intervention*. Industrial and Systems Engineering Research Conference, Montréal, Canada.
29. Alibrahim, A., & **Wu, S.** (2014, May). *Performance dashboard for substance abuse prevention and control treatment programs*. Industrial and Systems Engineering Research Conference, Montréal, Canada.
30. **Wu, S.** (2014, April). *Amalgamating disease management registry and automated telephonic assessment to improve depression and diabetes care*. NIMH Conference on Mental Health Services Research (MHSR), Bethesda, MD.
31. Di Capua P., & **Wu, S.** (2014, March). *Provider reactions to an automated telephone tool to screen and monitor depression in primary care*. Conference on Systems Engineering Research (CSER), Los Angeles, CA.
32. Jin, H., **Wu, S.**, Vidyanti, I., Chou, C., Lee, P., & Ell, K. (2013, October). *Using propensity scores to evaluate an eHealth technology for depression care*. INFORMS Annual Meeting, Minneapolis, MN.
33. Liu, P., & **Wu, S.** (2013, June). *An agent-based model to study accountable care organizations*. INFORMS Healthcare 2013, Chicago, IL.
34. **Wu, S.**, Ell, K., Vidyanti, I., Liu, P., Hawkins, C., & Ramirez, M. (2013, May). *Better and safer depression care through systems engineering and technology*. Industrial and Systems Engineering Research Conference, San Juan, Puerto Rico.
35. Fei, L., & **Wu, S.** (2013, May). *Investigate relationship between EHR design, implementation and physician work impact*. Industrial and Systems Engineering Research Conference, San Juan, Puerto Rico.
36. Ramirez, M., & **Wu, S.** (2013, May). *Performance dashboard for management of diabetes in primary care*. Industrial and Systems Engineering Research Conference. San Juan, Puerto Rico.
37. Vidyanti, I., & **Wu, S.** (2013, May). *Simulation model with nested design to evaluate multi-level screening strategies*. Industrial and Systems Engineering Research Conference, San Juan, Puerto Rico.
38. Vidyanti, I., & **Wu, S.** (2013, May). *Incorporating human behavior in simulation models for screening strategies evaluation*. Industrial and Systems Engineering Research Conference, San Juan, Puerto Rico.

39. **Wu, S.**, Ell, K., Vidyanti, I., Liu, P., Hawkins, C., & Ramirez, M. (2013, May). *Delivering better and safer depression care with automated eHealth technology*. International Society for Research on Internet Interventions (ISRII) 6th Scientific Meeting, Chicago, IL.
40. **Wu, S.**, Ell, K., Guterman, J., Hawkins, C., Liu, P., Mendez, E., & Vidyanti, I. (2012, October). *Is automatic telephonic assessment reliable and valid for depression screening and monitoring?* INFORMS Annual Meeting, Phoenix, AZ.
41. **Wu, S.**, Ell, K., Guterman, J., Hawkins, C., Lee, P., Liu, P., & Vidyanti, I. (2012, October). *Technology-enhanced care management reduces depression among minority diabetics: Preliminary findings*. INFORMS Annual Meeting, Phoenix, AZ.
42. Vidyanti, I., & **Wu, S.** (2012, October). *Robust design of a cost-effective diabetic retinopathy screening program with design of experiments*. INFORMS Annual Meeting, Phoenix, AZ.
43. Liu, P., & **Wu, S.** (2012, October). *A multi-agent system model to study US health system*. INFORMS Annual Meeting, Phoenix, AZ.
44. Hawkins, C., & **Wu, S.** (2012, October). *A system model for implementing and sustaining evidence-based healthcare practice*. INFORMS Annual Meeting, Phoenix, AZ.
45. Vidyanti, I., & **Wu, S.** (2012, June). *Access, acculturation, and self-care as determinants of compliance with diabetic retinopathy eye screening*. AcademyHealth Annual Research Meeting, Orlando, FL.
46. Vidyanti, I., & **Wu, S.** (2012, May). *Spatial modeling of noncompliance with diabetic retinopathy screening in California*. Industrial and Systems Engineering Research Conference, Orlando, FL.
47. Ramirez, M., & **Wu, S.** (2012, May). *Long-term cost-effectiveness of treating depression for diabetes patients*. Industrial and Systems Engineering Research Conference, Orlando, FL.
48. Liu, P., & **Wu, S.** (2012, May). *An agent-based simulation model to study accountable care organizations*. Industrial and Systems Engineering Research Conference, Orlando, FL.
49. Hawkins, C., & **Wu, S.** (2012, May). *Framework for implementing best practice in military health*. Industrial and Systems Engineering Research Conference, Orlando, FL.
50. Vidyanti, I., & **Wu, S.** (2012, May). *Integrated simulation modeling for screening of diabetic retinopathy*. Industrial and Systems Engineering Research Conference, Orlando, FL.
51. Liu, P., & **Wu, S.** (2011, November). *An agent-based model approach to study accountable care organization*. INFORMS Annual Meeting, Charlotte, NC.
52. Vidyanti, I., & **Wu, S.** (2011, November). *Integrated simulation modeling for screening of diabetic retinopathy*. INFORMS Annual Meeting, Charlotte, NC.
53. Vidyanti, I., **Wu, S.**, Kesselman C. (2010, December). *Designing a robust and cost-effective screening strategy for diabetic retinopathy using simulation coupled with design of experiments*. IEEE International Conference on Industrial Engineering and Engineering Management (IEEM), Macau, China.
54. Crosson, J. S., Etz, R. S., **Wu, S.**, Straus, S. G., Eisenman, D., Danna-Lynch, K., Jackson, C., & Bell, D. S. (2010, November). *Implementing electronic prescribing in primary care practice*. North American Primary Care Research Group Annual Meeting, Seattle, WA.
55. **Wu, S.**, & Hawkins, C. (2010, November). *A survey of the unintended consequences of implementing health information technology*. INFORMS Annual Meeting, Austin, TX.
56. Palen, T., Koppel, R., & **Wu, S.** (2010, September). *Avoiding unintended consequences in HIT implementations*. Epic Systems Users's Group Meeting, Madison, WI.

57. **Wu, S.**, Kesselman, C., & Vidyanti, I. (2010, June). *Two-level modeling for economic evaluation of diabetic retinopathy telescreening*. Institute of Industrial Engineers Annual Research Conference, Cancun, Mexico.
58. **Wu, S.**, Belson, D., Liu, P., & Seiden, D. S. (2010, June). *Application of lean principles to improve congestive heart failure care*. Institute of Industrial Engineers Annual Research Conference, Cancun, Mexico.
59. **Wu, S.**, & Xie, Y. (2010, June). *Workflow study of electronic referral system*. Institute of Industrial Engineers Annual Research Conference, Cancun, Mexico.
60. **Wu, S.**, Shi, Y., Cohen, D., & Pearson, M. (2009, November). *Cost-effectiveness of physical activity interventions: Analysis from a systematic review*. 137th Annual Meeting of the American Public Health Association, Philadelphia, PA.
61. **Wu, S.**, Pearson, M. L., Coleman, C., Austin, B. T., & Wagner, E. (2009, September). *Assessing a practice coach intervention for improving chronic care in safety net organizations*. Agency for Healthcare Research and Quality Annual Meeting, Bethesda, MD.
62. **Wu, S.**, Pearson, M. L., Smith, L., Behal, R., Cerese, J., & Cuny, J. (2009, September). *Implementing process redesign strategies for improving hospital care*. Agency for Healthcare Research and Quality Annual Meeting, Bethesda, MD.
63. **Wu, S.**, Shi, Y., Cohen, D., & Pearson, M. (2009, June). *How does measurement method matter in evaluating physical activity promotion interventions? A systematic review and meta analysis*. International Conference on Diet and Activity Methods (ICDAM7), Washington, DC.
64. **Wu, S.**, Coleman, C., & Pearson, M. L. (2009, May). *Coaching primary care practice teams for improving chronic illness care*. Institute of Industrial Engineers Annual Conference and Expo, Miami, FL.
65. **Wu, S.** (2006, November). *Tools for efficient allocation of fall-prevention resources*. Gerontological Society of America Annual Meeting, Dallas, TX.
66. **Wu, S.**, Kramer, B. J., Sarkisyan, S., & Overton, A. (2005, November). *Is an infrastructure in place to support fall prevention in California?* Gerontological Society of America Annual Meeting, Orlando, FL.
67. **Wu, S.**, Pearson, M. L., Shortell, S. M., Marsteller, J. A., Lin, M., & Keeler, E. B. (2005, June). *CCM implementation and patient perceived self-management support for their chronic illness*. AcademyHealth 22nd Annual Research Meeting, Boston, MA.
68. **Wu, S.**, Ma, S., Duan, N., Lee, S. J., Seiden, D., Newman, P. A., & Cunningham, W. (2005, June). *Comparison of doctor's influence in patient's willingness-to-participate in HIV vaccine trial and post-trial vaccine acceptability*. National HIV Prevention Conference, sponsored by Centers for Disease Control and Prevention, Atlanta, GA.
69. **Wu, S.**, Ma, S., Duan, N., Lee, S. J., Seiden, D., Newman, P. A., & Cunningham, W. (2005, June). *How doctors may influence HIV vaccine trial participation: From patients' perspectives*. National HIV Prevention Conference, sponsored by Centers for Disease Control and Prevention, Atlanta, GA.
70. **Wu, S.**, Pearson, M. L., & Keeler, E. B. (2005, May). *How effective is the collaborative approach to improve chronic care?* Institute of Industrial Engineers Annual Conference and Expo, Atlanta, GA. (Selected as opening plenary for health care system track)
71. **Wu, S.**, Pearson, M. L., Shortell, S. M., Mendel, P. J., Marsteller, J. A., Lin, M., & Keeler, E. B. (2005, February). *Sustainability and spread of chronic illness improvement*. Health Services Research and Development National Meeting, Baltimore, MD.

72. **Wu, S.**, Pearson, M. L., Shortell, S. M., Mendel, P. J., Marsteller, J. A., Lin, M., & Keeler, E. B. (2004, July). *Sustainability and spread of chronic illness care improvement*. Translating Research into Practice Conference, Agency for Healthcare Research and Quality, Washington, DC.
73. Pearson, M. L., **Wu, S.**, Shortell, S. M., Mendel, P. J., Marsteller, J. A., Lin, M., & Keeler, E. B. (2004, July). *Effective implementation of chronic illness care improvement*. Translating Research into Practice Conference, Agency for Healthcare Research and Quality, Washington, DC.
74. **Wu, S.**, Pearson, M. L., Shortell, S. M., Mendel, P. J., Marsteller, J. A., Lin, M., & Keeler, E. B. (2004, June). *Sustainability and spread of chronic illness care improvement*. AcademyHealth 21th Annual Research Meeting, San Diego, CA.
75. Pearson, M. L., **Wu, S.**, Shortell, S. M., Mendel, P. J., Marsteller, J. A., Lin, M., & Keeler, E. B. (2004, June). *Effective implementation of chronic illness care improvement*. AcademyHealth 21th Annual Research Meeting, San Diego, CA. (Selected as Most Outstanding Abstract)
76. Marsteller, J. A., Shortell, S. M., Lin, M., Pearson, M. L., **Wu, S.**, Mendel, P. J., Cretin, S., & Rosen, M. (2004, June). *The role of perceived team effectiveness in improving chronic illness care*. AcademyHealth 21th Annual Research Meeting, San Diego, CA.
77. Lin, M., Shortell, S. M., Marsteller, J. A., Keeler, E. B., Mendel, P., Pearson, M. L., **Wu, S.**, & Rosen, M. (2004, June). *Motivation to improve quality disease care in three quality improvement collaboratives*. AcademyHealth 21th Annual Research Meeting, San Diego, CA.
78. Cohen, D. A., **Wu, S.**, & Farley, T. A. (2003, November). *Maximizing the benefit: A tool to prioritize HIV prevention interventions using cost-effectiveness*. 131st Annual Meeting of the American Public Health Association, San Francisco, CA.
79. Cohen, D. A., **Wu, S.**, & Farley, T. A. (2003, July). *Maximizing the benefit: Estimating the relative cost-effectiveness of HIV prevention interventions*. Meeting of the International Society for Sexually Transmitted Disease Research, Ottawa, Canada.
80. Cohen, D. A., **Wu, S.**, & Farley, T. A. (2003, July). *Maximizing the benefit: A tool to prioritize HIV prevention interventions using cost-effectiveness*. National HIV Prevention Conference, sponsored by Centers for Disease Control and Prevention, Atlanta, GA.
81. Pearson, M. L., **Wu, S.**, Schaefer, J., Bonomi, A. E., Shortell, S. M., & Keeler, E. B. (2003, June). *Assessing the implementation of the chronic care model in quality improvement collaboratives*. AcademyHealth 20th Annual Research Meeting, Nashville, TN.
82. Cohen, D. A., **Wu, S.**, & Farley, T. A. (2002, September). *Prioritizing HIV prevention interventions using cost-effective analysis: A hands-on workshop*. Sixth Annual United States Conference on AIDS, Anaheim, CA.
83. Joyce, G. F., **Wu, S.**, Preston, J. A., Rebenstein, L. Z., & Shekelle, P. G. (2001, October). *A cost-benefit analysis of the Medicare stop smoking program*. 129th Annual Meeting of the American Public Health Association, Atlanta, GA.
84. **Wu, S.**, & Sainfort, F. (2000, June). *A systematic analysis of the effects of patient-centered care on patient outcomes*. Association for Health Services Research Annual Meeting, Los Angeles, CA.
85. **Wu, S.**, & Sainfort, F. (1998, October). *Relationships between physician job attitudes, encounter behaviors & patient outcomes*. INFORMS Annual Meeting, Seattle, WA.

Poster Presentations

1. Ramirez, M., & **Wu, S.** (2016, May). Identifying user preferences for design of phone message-based prompting system to activate physical activity and social support: findings from a discrete choice experiment with urban, low-income, Hispanic adults with diabetes. International Society for Research on Internet Interventions (ISRII) 8th Scientific Meeting, Seattle, WA.

2. Ramirez, M., **Wu, S.**, Vickrey, B., Towfighi, A., Wacksman, J., Sivers-Teixeira, T., & Haber, H. (2016, May). Using mobile health tools to support team-based approaches for chronic disease care. International Society for Research on Internet Interventions (ISRII) 8th Scientific Meeting, Seattle, WA.
3. Jin, H., **Wu, S.**, & Di Capua, P. (2015). *Depression among patients with diabetes: developing a screening policy based on clinical forecasting*. AcademyHealth Annual Research Meeting, Minneapolis, MN.
4. Alibrahim, A., & **Wu, S.** (2015, June). *Patient bypass modeling in an accountable care organization health delivery system: an agent-based simulation*. AcademyHealth Annual Research Meeting, Minneapolis, MN.
5. Jin, H., & **Wu, S.** (2014, July). *Developing depression symptoms prediction models to improve depression care outcomes: Preliminary results*. 2nd International Conference on Big Data and Analytics in Healthcare, Singapore.
6. Ramirez, M., & **Wu, S.** (2014, May). *Promoting physical activity through phone messaging and social network*. UCLA Grand Round Program in Neurology on Health Services Research, Los Angeles, LA.
7. Wu, B. W., Di Capua, P., & **Wu, S.** (2014, April). *Technology-facilitated depression care management among predominantly Latino diabetes patients within a public safety net care system: Provider perspective*. ASCI/AAP Joint Meeting held with the American Physician Scientists Association.
8. Vidyanti, I., & **Wu, S.** (2013, June). *Preliminary evaluation of a novel suicidal alert response system within an automated telephonic assessment and monitoring system for depression care management*. AcademyHealth 30th Annual Research Meeting, Baltimore, MD.
9. **Wu, S.**, Ell, K., Guterman, J., Lee, P. J., Vidyanti, I., Hawkins, C., & Liu, P. (2012, October). *An automated telephonic screening and monitoring system for depression care management: Preliminary findings from a clinical trial*. 34th Annual Meeting of the Society for Medical Decision Making, Phoenix, AZ.
10. Hawkins, C., & **Wu, S.** (2012, July). *Framework for implementing best practice for CLABSI reduction*. Improvement Science Summit, Summer Institutes on Evidence-Based Quality Improvement, San Antonio, TX.
11. **Wu, S.**, Ell, K., Guterman, J., Vidyanti, I., Hawkins, C., & Liu, P. (2012, June). *Automated telephonic screening and monitoring of depression in safety-net clinics*. AcademyHealth 29th Annual Research Meeting, Orlando, FL.
12. **Wu, S.**, Liu, L., & Belson, D. (2011, June). *Apply lean principles to improve hospital congestive heart failure care*. AcademyHealth 28th Annual Research Meeting, Seattle, WA.
13. **Wu, S.**, Liu, L., & Belson, D. (2011, June). *Lean implementation and organizational capacity for change*. AcademyHealth 28th Annual Research Meeting, Seattle, WA, June 10-13, 2011.
14. Vidyanti, I., & **Wu, S.** (2011, June). *Modeling noncompliance of diabetic retinopathy screening for evaluation of health clinics locations in California*. AcademyHealth 28th Annual Research Meeting, Seattle, WA.
15. Hawkins, C., & **Wu, S.** (2011, February). *Internet survey of unintended consequences of implementing healthcare information technology*. Society for Health Systems Conference and Expo, Orlando, FL.
16. Xie, Y., & **Wu, S.** (2011, February). *Assessing business case of an electronic referral system*. Society for Health Systems Conference and Expo, Orlando, FL.

17. Hawkins, C., & **Wu, S.** (2010, May). *A survey of unintended consequences of implementing health information technology*. Healthcare Systems Engineering Research and Education Leadership Workshop, sponsored by the National Science Foundation, Fayetteville, AR.
18. Vidyanti, I., **Wu, S.**, & Kesselman, C. (2010, January). *Two-level modeling for economic evaluation of diabetic retinopathy telescreening*. Information Sciences Institute Symposium, Marina Del Rey, CA.
19. **Wu S**, Pearson, M. L., Coleman, C., Austin, B. T., & Wagner, E. (2009, June). *Assessing a practice coach intervention for improving chronic care in safety net organizations*. AcademyHealth 26th Annual Research Meeting, Chicago, IL.
20. **Wu, S.**, Pearson, M. L., Smith, L., Behal, R., Cerese, J., & Cuny, J. (2009, June). *Implementing process redesign strategies for improving hospital care*. AcademyHealth 26th Annual Research Meeting, Chicago, IL.
21. Coleman, C., **Wu, S.**, Pearson, M. L., Austin, B. T., Brach, C., Jameson, W. J., & Wagner, E. (2008, June). *Learning chronic care and business strategies in the safety net*. AcademyHealth 25th Annual Research Meeting, Washington, Washington, DC.
22. Chaudhry, B., Wang, J., **Wu, S.**, Maglione, M., Mojica, W., Roth, E., Rolon, C., Morton, S., Keeler, E., & Shekelle, P. (2005, June). *The effect of health information technology on efficiency and quality: A systematic review*. AcademyHealth 22nd Annual Research Meeting, Boston, MA.
23. **Wu, S.**, Ma, S., Duan, N., Lee, S. J., Seiden, D., Newman, P. A., & Cunningham, W. (2005, June). *Relationship between desire to talk to doctor, trust in doctor, and willingness-to-participate in HIV vaccine trials*. AcademyHealth 22nd Annual Research Meeting, Boston, MA.
24. **Wu, S.**, Cohen, D. A., & Farley, T. A. (2004, October). *Practical use of cost-effectiveness for community planning of HIV prevention*. Society for Medical Decision Making 26th Annual Meeting, Atlanta, GA.
25. **Wu, S.**, Cohen, D. A., & Farley, T. A. (2004, July). *Maximizing the benefit: A decision-support tool using cost-effectiveness to prioritize HIV prevention interventions*. International AIDS Conference of International AIDS Society, Bangkok, Thailand.
26. Meredith, L. S., Unützer, J., Mendel, P. J., Pearson, M. L., **Wu, S.**, & Keeler, E. B. (2004, June). *Success of implementation and maintenance of quality improvement for depression*. AcademyHealth 21th Annual Research Meeting, San Diego, CA.
27. **Wu, S.**, Cohen, D. A., & Farley, T. A. (2004, February). *Maximizing the benefit: A decision-support tool to prioritize HIV prevention interventions using cost-effectiveness*. Universitywide AIDS Research Program 6th Conference on AIDS Research in California, Los Angeles, CA.
28. **Wu, S.**, Seiden, D. A., Duan, N., & Newman, P. A. (2004, February). *Applying quality management for successful HIV survey research (Project VIBE)*. Universitywide AIDS Research Program 6th Conference on AIDS Research in California, Los Angeles, CA.
29. **Wu, S.**, Shekelle, P., Rubenstein, L., Maglione, M., Chang, J., Majica, W., & Morton, S. (2003, October). *Cost-effectiveness of falls prevention as a healthy aging intervention*. Society for Medical Decision Making 25th Annual Meeting, Chicago, IL.
30. **Wu, S.**, Tomar, R. H., & Sainfort, F. (1997, October). *A simulation model of type 1 diabetes progression to study cost-effectiveness of alternative treatment strategies*. Wisconsin Health Services Research Conference, Madison, WI.

INVITED TALKS

1. **Wu, S.**, & Belson, D. (2015, May). Operations Research and Its Applications in Healthcare. Presentation in the VA HSR&D Center of Innovation Works in Progress Seminar Series, Los Angeles, CA.
2. **Wu, S.** (2015, April). Designing mHealth to Facilitate Evidence-based Depression Care-management. Presentation in the seminar of Designing mHealth for Racial and Ethnic Minority Populations of USC mHealth Collaboratory, Los Angeles, CA.
3. **Wu, S.** (2015, March). Quality Improvement Methods for Health Care. Presentation in a session of Southern California Implementation and Improvement Science Symposium, Los Angeles, CA.
4. **Wu, S.** (2014, June). Learning computers among older population; Experiences learned from the evaluation of San Francisco Broadband Technology Opportunities Program (SF-BTOP). Presentation at a seminar of the Department of Social Work, National Taiwan University, Taipei, Taiwan.
5. **Wu, S.** (2014, June). Applying industrial and systems engineering methods to identify solutions for social work policy. Presentation at a graduate student seminar of the Industrial and Systems Engineering Department, Chung Yuan Christian University, Chung-Li, Taiwan.
6. **Wu, S.** (2014, April). Harnessing technology for evidence-based depression care implementation to reduce disparities. Presentation at a seminar of USC Center for Interactive Medic Technologies in Healthcare (CIMTH), Los Angeles, CA.
7. **Wu, S.** (2013, September). A systems+IT approach to accelerate adoption of depression care in safety-net diabetes clinics: A comparative effectiveness trial. Presentation at a cyber seminar of VA Center for Implementation Practice and Research Support, Los Angeles, CA.
http://www.hsr.d.research.va.gov/for_researchers/cyber_seminars/archives/739-notes.pdf
8. **Wu, S.** (2013, August). Quality of care and depression care management. Presentation at retreat on Innovation in Healthcare Delivery, Los Angeles County/University of Southern California, Los Angeles, CA.
9. **Wu, S.** (2013, January). Chronic care model, its evaluation, and subsequent studies. Presentation at informational hearing on Improving Outcomes through the Patient Centered Medical Home, Assembly Committee on Health, Assembly California Legislature, Sacramento, CA.
10. **Wu, S.** (2010, April). Reaping the performance incentives of HIT: Evidence, challenges, and lessons learned. Presentation at a national stakeholder summit on Setting a Quality Improvement Research Agenda to Leverage HIT/HIM in Rural America, Alexandria, VA.
11. **Wu, S.** (2008, August). Identifying, disseminating, and implementing best practices: Examples in health services research. Presentation at Institute of European and American Studies, Academia Sinica, Taipei, Taiwan.
12. **Wu, S.** (2007, December). Fall prevention among older people: Practice and policy. Presentation at workshop on Quality of Care, Tainan Union of Nurses Association & Tainan Hospital, Department of Health, Executive Yuan, Tainan, Taiwan.
13. **Wu, S.** (2007, December). The chronic care model: Better care approach for the 21st century. Presentation at workshop on Quality of Care, Tainan Union of Nurses Association & Tainan Hospital, Department of Health, Executive Yuan, Tainan, Taiwan.
14. **Wu, S.** (2007, December). Identifying, disseminating, and implementing best practices in health care. Presentation at forum on Quality of Care, Chinese Society for Quality, Taipei, Taiwan.
15. **Wu, S.** (2007, December). Identifying, disseminating, and implementing best practices in health care. Presentation to Industrial Engineering Department, Chung Yuan Christian University, Chung-Li, Taiwan.

16. **Wu, S.** (2007, October). The chronic care model: Better care approach for the 21st century. Presentation to Epstein Department of Industrial and Systems Engineering, University of Southern California, Los Angeles, CA.
17. **Wu, S.** (2007, September). The chronic care model: Better care approach for the 21st century. Presentation at the annual leadership conference of California Medical Association, Los Angeles, CA.
18. **Wu, S.** (2007, June). The chronic care model: Better care approach for the 21st century. Presentation at Chinese Hospital Association Leadership Program, organized by the Anderson Executive Education Programs, University of California at Los Angeles, Los Angeles, CA.
19. **Wu, S.** (2007, June). Identifying, disseminating, and implementing best practices. Presentation at a workshop on Best Practices, organized by Office of Quality Improvement, University of Wisconsin Madison, Madison, WI,
20. **Wu, S.** (2007, May). Reducing the risk of falls and fall-related injuries among older people. Presentation at a workshop on the Social Determinants of Adult Health and Mortality, organized by National Academies of Sciences, Washington, DC.
21. **Wu, S.** (2007, April). Assessing the implementation of the chronic care model. Presentation to Epstein Department of Industrial and Systems Engineering, University of Southern California, Los Angeles, CA.
22. **Wu, S.** (2006, May). A look at the future. Presentation at conference on California Senior Injury Prevention, organized by Alameda County Public Health, Center for Injury Prevention, and Senior Injury Prevention Partnership, Orange County, CA.
23. **Wu, S.** (2006, March). Tools for efficient allocation of fall-prevention resources. Presentation to Center for Health Policy and Center for Primary Care and Outcomes Research, Stanford University, Stanford, CA.
24. **Wu, S.** (2005, October). Enhancing falls surveillance and community planning activities with a geographic information system-based tool. Presentation at meeting of Fall Prevention Center of Excellence Advisory Board, University of Southern California, Los Angeles, CA.
25. **Wu, S.** (2005, June). Transforming healthcare with information technology: Potential benefits, costs, and choices. Presentation to Department of Information Management, Yuan Ze University, Chung-Li, Taiwan.
26. **Wu, S.** (2005, June). Applications of operations research in health service delivery and policy. Presentation to Department of Industrial Engineering and Engineering Management, National Tsing Hua University, Hsinchu, Taiwan.
27. **Wu, S.** (2004, September). The collaborative model for chronic illness care improvement and its evaluation. Presentation at the symposium of East Taiwan Cancer Care, Hua-Lien, Taiwan.
28. **Wu, S.** (2003, November). Applying quality management for successful HIV survey research. Presentation to Community Health and Health Services Research Center, University of California, Los Angeles and the Charles R. Drew University of Medicine and Science, Los Angeles, CA.
29. **Wu, S.** (2003, February). Medical decision making—Its society, its principles and the current of current trends. Presentation to Community Health and Health Services Research Center, University of California, Los Angeles, CA.
30. **Wu, S.** (2003, January). Management and improvement of chronic illness care. Presentation to Institute of Hospital and Health Care Administration, National Yang-Ming University, Taiwan.
31. **Wu, S.** (2002, December). Maximizing the benefit: A priority setting tool for community-planning groups and health departments. Presentation to Centers for Disease Control and Prevention, Atlanta, GA.

32. **Wu, S.** (2002, December). Cost-effectiveness in HIV prevention planning. Presentataion to Center for HIV Identification, Prevention and Treatment Services, University of California, Los Angeles, CA.
33. **Wu, S.** (2002, May). A pilot experience of research on research: How we learned, what we learned. Presentation to Collaborative Alcohol Research Center, Charles R. Drew University of Medicine and Science, Los Angeles, CA.
34. **Wu, S.** (2002, April). A pilot experience of research on research: How we learned, what we learned. Presentation to Community Health and Health Services Research Center, University of California, Los Angeles, CA.
35. **Wu, S.** (2001, November). Research on research: Quality, productivity, and growth. Presentation to Collaborative Alcohol Research Center, Charles R. Drew University of Medicine and Science, Los Angeles, CA.
36. **Wu, S.** (1999, December). Applying industrial engineering methodology to improve healthcare quality: Opportunities and examples. Presentation to Community Health and Health Services Research Center, University of California, Los Angeles, CA.

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JOURNAL REVIEWS

<i>Journal of Medical Internet Research</i>	2016–present
<i>Preventive Medicine</i>	2016–present
<i>BMJ Open</i>	2016–present
<i>Home Health Services Quarterly</i>	2015–present
<i>Computers and Operations Research</i>	2015–present
<i>Methods of Information in Medicine</i>	2014–present
<i>BMC Family Practice</i>	2013–present
<i>PLOS ONE</i>	2013–present
<i>Health Information Management Journal</i>	2012–present
<i>Annals of Operations Research</i>	2010–present
<i>Journal of Healthcare Engineering</i>	2009–present
<i>Journal of General Internal Medicine</i>	2006–present
<i>Health Affairs</i>	2006–present
<i>Joint Commission Journal on Quality and Patient Safety</i>	2005–present
<i>Medical Care</i>	2004–present
<i>Health Services Research</i>	2003–present

PROPOSAL REVIEWS

Pennsylvania Department of Health for collaborative research on health care innovation, 2016

United States Institute of Peace Research Grant Application, September 2011

National Science Foundation (NSF) Service Enterprise Systems Panel Member, 2011, 2010, 2008

Robert Wood Johnson Foundation Active Living Program, June 2010

BOOK AND REPORT REVIEWS

- Rummler, G. and Brache, A. P. (2011). *Improving performance: How to manage the white space on the organization chart* (3rd ed.). Hoboken, NJ: Pfeiffer, an imprint of John Wiley & Sons.
- Ma, S., & Sood, N. (2008). *Caring for a third of the world's population: Challenges for the health systems of China and India*. Santa Monica, CA: RAND Corporation.
- Ma, S., & Sood, N. (2007–2008). *A comparison of the health systems in China and India*. Santa Monica, CA: RAND Corporation.
- Silberglitt, R., & Wong, A. (2008). *Developing and implementing TBNA/TEDA's science and technology (S&T) vision (RAND Progress Update)*. Santa Monica, CA: RAND Corporation.
- Ferguson, T. (2003). *e-patients, online health, and the search for sustainable healthcare: A guide for grantmakers (White Paper for the Robert Wood Johnson Foundation)*.
- Lynn, J., & Myers, S. (2001). *Getting the most from the time we have left: Caring for people with serious chronic illness through death*. New York, NY: Americans for Better Care of the Dying and the Milbank Memorial Fund (co-publishers).

PROFESSIONAL SERVICES

- Invited panelist for the New Faculty Colloquium “Tales from the Tenure Earning Years”, Institute of Industrial and Systems Engineers, Anaheim, CA, May 21, 2016.
- Track Program Committee (TPC) for the Healthcare Applications track of the 2016 Winter Simulation Conference, Arlington, Virginia (Washington, D.C.), January 2016–December 2016.
- Faculty of California Physician Leadership Program, Fall 2014–Spring 2015, a program of California Hospital Association run by USC Marshall Executive Education, September 2014–April 2015.
- Invited panelist for the Panel Discussion: Voices of Experience. Getting to Know PCORI: From Application to Closeout Workshop, San Diego, CA, September 22–23, 2014.
- Primary Care Practice Facilitation Technical Expert Panel to Agency for Healthcare Research and Quality (AHRQ): Participate on an expert advisory panel to inform the development of training resources for primary care practice facilitation, including a model curriculum. AHRQ, along with its contractor Mathematica Policy Research, is creating these resources as part of a multi-year strategy to develop capacity to support primary care transformation and improve the quality of primary care, December 2013 – 2014.
- Planning committee member for the Pathways to Clinical Forecasting Symposium and Pilot Competition, a UCLA CTSI-supported participatory symposium to define opportunities, challenges, and future directions as well as form new collaborations in clinical forecasting across universities, December 9th, 2013.
- Technical consultant to Department of Veterans Affairs Greater Los Angeles Healthcare System (VAGLAHS) Center of Excellence (COE) and Center for the Study of Healthcare Innovation, Implementation & Policy (CSHIIP): Provide chronic illness research training for clinicians and investigators at VAGLAHS, provide Quality Improvement and Systems Engineering method seminar series, and consultation for health services research and/or quality and process improvement projects and proposals for the VA Health Services Research and Development Service COE and Center of Innovation at VAGLAHS, September 2013–present.
- Technical consultant to Department of Veterans Affairs Network Contracting Office 22: Review 10 Quality Enhancement Research Initiative (QUERI) proposals to determine areas where redesign and system strategies might enhance the effectiveness of proposed work. Provide limited consultation

to QUERI project teams selected by Center for Implementation Practice and Research Support, September 2012–August 2013.

Faculty for Veterans Health Administration Veterans Integrated Service Networks (VISN) 22 Veterans Assessment and Improvement Demonstration Laboratory (VAIL) Site Collaborative, September 19–20, 2012.

Commissioned as an expert by the Active Living Research National Program of the Robert Wood Johnson Foundation (RWJF) to analyze economic models for increasing participation and physical activity in after-school programs. The analysis is intended to help inform RWJF's work on increasing physical activity levels and reversing childhood obesity. Funded as a contract with the University of California, San Diego, May–November 2012.

Technical consultant to Dr. Jesse Crosson in his National Institutes of Health–funded project “Redesigning Diabetes Work Processes for Population-based Primary Care” (1R18DK091810-01A1), Mathematica Policy Research, Princeton, NJ, 2012–2015.

Technical consultant to the World Bank to organize and teach a workshop on *Chronic Non Communicable Diseases: An Introductory Public Health Perspective*, Washington, DC, June 14–15, 2010.

Consultant to Dr. Deborah Cohen in her National Institutes for Health–funded project *Cardiovascular Disease Care and EMR Use in Community-based Primary Care Practice*, University of Medicine and Dentistry of New Jersey, Somerset, NJ, 2009–2011.

Workshop participant at the AHRQ and the NSF “Industrial and Systems Engineering and Healthcare: Critical Areas of Research” Workshop in Washington, DC on September 21st and 22nd, 2009.

INSTITUTIONAL SERVICES

University Services, University of Southern California

Associate Director, Center for Artificial Intelligence in Society (October 2016–present)

Faculty Steering Committee, Center for Health System Innovation (January 2016–present)

Member, USC-CHLA Clinical Research Advisory Group, The Southern California Clinical and Translational Science Institute (SC CTSI) (October 2015–present)

Member, Big Data and Human Behavior Speaker Series (May 2015–present)

Advisory Board Member, USC mHealth Collaboratory (May 2014–present)

Advisory Board Member, Health Systems Improvement Collaborative (October 2012–May 2015)

Committee Member, Quality Committee of the Hospital Governing Boards of USC University Hospital and USC Norris Cancer Hospital (April 2011–January 2016)

School of Social Work, University of Southern California

Committee Member, Teaching Evaluation Standards Sub-committee (May 2015–August 2015)

Committee Member, Faculty Council (August 2014–May 2016)

Committee Member, Curriculum Development Committee for SOWK 632, 546, & 611 (September 2014–December 2015)

Committee Member, Curriculum Revision Committee (June 2014–August 2014)

Center Faculty, USC Hartford Center of Excellence in Geriatric Social Work (May 2014–December 2015)

Committee Member, Doctoral Committee (April 2014–present)

Viterbi School of Engineering, University of Southern California

Committee Member, Viterbi Research Committee (August 2012–December 2013)

Committee Member, Women in Science and Engineering (WiSE): Review proposals and applications (undergraduate research grants, graduate merit fellowships, graduate top-off fellowships) and promote WiSE goals (August 2012–July 2013)

Epstein Department of Industrial and Systems Engineering, University of Southern California

Committee Member, New Faculty Search Committee (August 2009–June 2010 and September 2012–June 2013)

Committee Member, Space Committee (September 2012–June 2013)

Director, Master of Health Systems Management Engineering (August 2009–June 2013)

Committee Member, Graduate Studies (February 2012–June 2013)

Committee Member, PhD Admission (August 2011–June 2012)

Committee Chair, PhD Admission (August 2008–June 2011)

Committee Member, Faculty Merit Review Committee (February 2010)

Faculty Marshall, Graduation Commencement (2008, 2009)

PROFESSIONAL AFFILIATIONS

Institute of Industrial Engineers (IIE)

Institute for Operations Research and the Management Sciences (INFORMS)

The Gerontological Society of America

Society for Social Work and Research