

# 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

*At University of Southern California, Los Angeles, CA*

**Associate Professor of Social Work and Industrial and Systems Engineering** ..... **2014–present**  
Suzanne Dworak-Peck School of Social Work &  
Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering

**Senior Scientist** ..... **2016– present**  
Edward R. Roybal Institute on Aging

**Faculty Member** ..... **2017–present**  
Center for Artificial Intelligence in Society

**Senior Fellow** ..... **2021–2023**  
Leonard D. Schaeffer Center for Health Policy and Economics

**Associate Director** ..... **2016–2017**  
Center for Artificial Intelligence in Society

**Associate Director of Social and Health Services Research** ..... **2015–2016**  
Edward R. Roybal Institute on Aging

**Assistant Professor** ..... **2014**  
School of Social Work

**Assistant Professor** ..... **2008–2013**  
Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering

*At RAND Corporation, Santa Monica, CA*

**Adjunct Engineer Researcher** ..... **2008–2015**  
Health Program & Technology and Applied Sciences Group

**Adjunct Professor** ..... **2007–2011**  
Pardee RAND Graduate School

**Engineer Researcher** ..... **2006–2007**  
Health Program & Technology and Applied Sciences Group

**Associate Engineer** ..... **1999–2006**  
Health Program & Technology and Applied Sciences Group

*Other Professional Experience*

**Visiting Specialist**

Project Title “Preliminary Study of Elderly Travel Support Services in Under-resourced Health Care Areas ..... **July 2024**  
National Cheng Kung University, Tainan, Taiwan

**Adjunct Assistant Professor** ..... **2003**  
Department of Industrial Engineering  
Chung Yuan Christian University, Chung-Li, Taiwan

**PRIMARY RESEARCH INTERESTS**

Study and apply advanced intervention design and analytical methods to optimize the performance and sustainability of health and social services, promoting the health and well-being of individuals and communities, particularly those with lower incomes, older adults, and other minority groups.

Specifically,

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

**HONORS AND AWARDS**

**Faculty Mentor of First Place Winner of USC Libraries Research Award** ..... **2023**  
University of Southern California, Los Angeles, CA (Mentoring undergraduate student Natalie Humber)

**Poster Competition Finalist** ..... **2021**  
INFORMS 2021 Annual Meeting, Anaheim, CA (with doctoral student Chou-Chun Wu)

**Fannie Mae Sustainable Communities Innovation Challenge Finalist** (among 344 submissions) ..... **2019**  
Fannie Mae’s Sustainable Communities [Innovation Challenge](#) is a two-year, \$10 million open competition to source new ideas to solve affordable housing needs in the United States. Selected as one of 12 Finalists in Phase 2 Healthy Affordable Housing.

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- APHA Nobuo Maeda International Research Award** ..... 2018  
American Public Health Association, Aging & Public Health Section (with Doctoral student Kexin Yu and the research team of the Intergenerational Mobile Technology Opportunities Program)
- USC Mentoring Award** in the category of **Faculty Mentoring Graduate Students** ..... 2018  
University of Southern California, Los Angeles, CA
- Finalist** ..... 2016  
*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 Magaly Ramirez)
- Top Rated Abstract** ..... 2015  
Annual North American Meeting, Society for Medical Decision Making, St. Louis, MO (with doctoral student Haomiao Jin)
- 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 (with Doctoral student Haomiao Jin)
- 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 21<sup>th</sup> Annual Research Meeting, San Diego, CA
- Honor of Teaching Services** ..... 2003  
Department of Industrial Engineering  
Chung-Yuan Christian University, Chung-Li, Taiwan
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## TEACHING

### Courses, Tutorials, and Workshops Taught

#### *At University of Southern California*

(Averaged student ratings are presented. A 5-point instructor rating was used up to 2017, and a 4-point instructional practice rating has been used since 2018. Thus, the two ratings are presented separately if both were used.)

SOWK 763 Social Work Research Methods II (3.8/4.0)

SOWK 762 Social Work Research Methods I (3.8/4.0)

SOWK 713 The Application of Implementation Science (served as Lead instructor, 3.50/4.0)

SOWK 546 Science of Social Work (3.93/5.0; 3.6/4.0)

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

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

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

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

ISE 564 Performance Analysis (4.4/5.0; 3.7/4.0)

ISE 344 Management of Engineering Teams (4.0/5.0)

ISE 105 Introduction to Industrial and Systems Engineering (4.3/5.0; 3.7/4.0)

#### *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, Pardee RAND Graduate School, 2006-2011, as Co-Advisor. Dissertation title “*Three Essays on Economics and Health Behaviors in a Developing Country: Evidence from China*”. Currently a tenured Associate Professor in Herbert Wertheim School of Public Health & Human Longevity Science at University of California, San Diego, California.
2. Hamid Reza Chabok, PhD, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, 2008-2011, as Co-Advisor. Dissertation title “*Development of High Frequency 1-3 Composite Annular Array Ultrasound Transducers and a Digital Micro-Manufacturing Method for Piezocomposites*”. Currently a lecturer in Dornsife College of Letters, Arts and Sciences at University of Southern California, Los Angeles, California.
3. Pai Liu, PhD, Daniel J. Epstein Department of Industrial and Systems Engineering and MS, Computer Science, Viterbi School of Engineering, University of Southern California, 2008-2013, as Advisor. Dissertation title “*An Agent-based Simulation Framework to Study Accountable Care Organizations (ACO)*”. Post graduate appointment as a Researcher and Modeler of the

Theory and Technology Group for Agile Organizations in Palo Alto Research Center, Palo Alto, California. Currently Head of Data Science at TikTok Shop US, San Francisco, California.

4. Caitlin Hawkins, PhD, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, 2009-2013, as Advisor. Dissertation title "*A System Framework for Evidence-Based Implementations in a Healthcare Organization*". Currently Senior Manager Analytics at Amazon Fashion, Austin, Texas.
5. Fei Li, PhD, Daniel J. Epstein Department of Industrial and Systems Engineering and MS, Computer Science, Viterbi School of Engineering, University of Southern California, 2009-2014, as Advisor. Dissertation title "*A Framework for Examining Relationships among Electronic Health Record (EHR) System Design, Implementation, and Physicians' Work Impact: A Survey of Resident Perceptions*". Post graduate appointment as a Global Initiative Researcher in Microsoft Corporation, Seattle, Washington. Formerly Senior Data Scientist, Tech Lead at Google in Mountain View, California. Currently Senior Engineer Partner at GV Venture Capital & Private Equity, Mountain View, California.
6. Irene Vidyanti, PhD, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, 2009-2014, as Advisor. Dissertation title "*Simulation Modeling to Evaluate Cost-Benefit of Multi-Level Screening Strategies Involving Behavioral Components to Improve Compliance: The Example of Diabetic Retinopathy*". Post graduate appointment as Data Scientist/Systems Modeler in Analytics Center of Excellence at the Los Angeles County Chief Information Office, Los Angeles, California. Currently Chief Data Officer for the State of Washington, Olympia, Washington.
7. Haomiao Jin, PhD, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, 2012-2016, as Advisor. Dissertation title "*Clinical Forecasting Models to Predict Concurrent Depression among Diabetes Patients with Applications in Depression Screening Policy Making*". Finalist, Lee B. Lusted Student Prizes, Society for Medical Decision Making, 2015. Finished a post-doctoral fellowship at USC Suzanne Dworak-Peck School of Social Work, 2016-2018, and served as Research Assistant Professor at USC Suzanne Dworak-Peck School of Social Work in the Hamotvich Research Center Statistics Core & Edward R. Roybal Institute on Aging 2018-2020. Joined the Center for Economic and Social Research, USC Dornsife College of Letters, Arts and Science, 2020-2021. Currently a Lecturer (UK equivalent of Assistant Professor) in Health Data Science of School of Health Science at University of Surrey, Guildford, England.
8. Magaly Ramirez, PhD, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, 2011-2016, as Advisor. Dissertation title "*Engineering A Behavioral and Social Support Prompting System to Increase Physical Activity Among Underserved Adults with Type 2 Diabetes*". 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. Finished a post-doctoral fellow at the Los Angeles Area Health Services Research Training Program Postdoctoral Fellowship, University of California, Los Angeles, 2016-2018. Currently Assistant Professor and in the University of Washington's School of Public Health, Department of Health Services, and William L. Dowling Endowed Faculty Fellowship in Health Administration, Health Systems and Population Health, Seattle, Washington.
9. John Franklin Sierra, PhD, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, 2014-2017, as Co-Advisor.

Dissertation title “*Designing Health Care Provider Payment Systems to Reduce Potentially Preventable Medical Needs and Patient Harm: A Simulation Study*”. Currently Chief of Staff of the Los Angeles County Justice, Care and Opportunities Department, Los Angeles, California.

10. Abdullah Alibrahim, PhD, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, 2014-2017, as Advisor. Dissertation title “*Developing An Agent-Based Simulation Model to Evaluate Competition in Private Health Care Markets: with An Assessment of Accountable Care Organizations*”. Kuwait Government Scholarship Fellow. Currently an Assistant Professor in the Department of Industrial & Management Systems Engineering, College of Engineering & Petroleum, Kuwait University, and an advisor to the Minister of Health, Kuwait City, Kuwait. Acting as the recommender for his Spring 2023 Kuwait Visiting Research Fellowship offered through Harvard Kennedy School's (HKS) Middle East Initiative (MEI).
11. Olivia Evanson, PhD, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, 2015-2020, as Advisor. Dissertation title “*A Series of Longitudinal Analyses of Patient Reported Outcomes to Further the Understanding of Care-Management of Comorbid Diabetes and Depression in a Safety-Net Healthcare System.*” Recipient of the 2019 ISE Department Outstanding Teaching Assistant of the Year, USC. Currently Product Manager – Digital Health, Neuromodulation Division, Boston Scientific, Valencia, CA.
12. Kexin Yu, MSW, PhD, Suzanne Dworak-Peck School of Social Work, University of Southern California, 2016-2022, as Co-Advisor. Dissertation title “*Examining the Longitudinal Influence of the Physical and Social Environments on Social Isolation and Cognitive Health: Contextualizing the Role of Technology*”. Recipient of 2020 Junior Investigator Career Development Diversity Fellow Award by Gerontological Society of America. Recipient of 2021 NIH F99/K00 (Transition to Aging Research for Predoc students to Postdoc) for her project titled, “*Examining the Longitudinal Influence of the Physical and Social Environments on Social Isolation and Cognitive Health: Contextualizing the Role of Technology.*” (Serving as her co-sponsor.) Recipient of 2021 Alzheimer’s Association International Conference Best Student Poster. Currently a Postdoctoral Scholar at the NIA-Layton Aging and Alzheimer’s Disease Center and the Oregon Center for Aging & Technology in the Department of Neurology, School of Medicine at Oregon Health & Science University, Portland, OR, funded by the NIH F99/K00 award. Accepted a position as Assistant Professor in the Department of Neurology at the University of Texas Southwestern Medical Center, to begin on January 1, 2025.
13. Ruotong (Mona) Liu, PhD, Suzanne Dworak-Peck School of Social Work, University of Southern California, 2017-2022, as Co-Advisor. Dissertation title “*Effects of Caregiving on Health among Older Adults and Their Spousal Caregivers in United States*” (passed the defense examination with distinction). Postgraduate appointment as a Postdoctoral Scholar in the Department of Family Medicine, School of Medicine at Oregon Health & Science University, Portland, OR. Currently a Postdoctoral Fellow at New York University, School of Nursing.
14. Anthony Nguyen, PhD, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, 2018-2022, as Co-Advisor. Dissertation title “*Designing Infectious Disease Models for Local Level Policymakers*”. Awarded for Lee B. Lusted Student Prizes in the category of Bruce Shackman Award for Outstanding Presentation in Health Services, Outcomes, and Policy Research, Society for Medical Decision Making Annual North American Meeting, 2021. Recipient of the 2022 ISE Department

Outstanding Teaching Assistant of the Year and 2022 Jenny Wang Excellence in Teaching Award, USC. Currently as Consulting Associate in McKinsey & Company.

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

15. Jiyang He, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, since fall 2022, as Co-Advisor. Passed screening examination in August, 2022.
16. John Bosco Bunyi, Suzanne Dworak-Peck School of Social Work, University of Southern California, since summer 2023, as Co-Advisor.
17. Chaejeong Lee, Suzanne Dworak-Peck School of Social Work, University of Southern California, to begin in fall 2024, as Advisor.

*As dissertation committee member (graduated and in progress)*

18. 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 Research Laboratories, North Wales.
19. 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 Senior Principal Scientist at Bristol-Myers Squibb.
20. 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 Managing Director of Healthcare Performance Improvement at Kaiser Permanente, Los Angeles, California.
21. Zhengping Che, PhD, *Deep Learning Models for Computational Phenotyping in Health Care*, Department of Computer Science, University of Southern California, passed dissertation defense examination in September, 2018.
22. Brooke Bell, PhD, *System Dynamics of In-home Family Eating Behavior: Insights from Intensive Longitudinal Data Using Ecological Momentary Assessment and Wearable Sensors*. Preventive Medicine, Keck School of Medicine, University of Southern California, passed dissertation defense examination in March, 2021.
23. Maximilian Zellner, PhD, *Utility Functions Induced by Certain and Uncertain Incentive Schemes*, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, passed dissertation defense examination in April, 2022.
24. Geno Chou-Chun Wu, *Optimizing Chronic Disease Screening Frequency Considering Multiple Time-Varying Risk Factors*. Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, passed dissertation defense examination in August, 2022. Awarded for Lee B. Lusted Student Prizes in the category of Milt Weinstein Award for Outstanding Presentation in Applied Health Economics, Society for Medical Decision Making Annual North American Meeting, 2021.
25. Steven De La Torre, *Engagement with Digital Behavior Change Interventions: Dynamics, Dimensions, and Data*. Department of Population and Public Health Sciences, Keck School of

Medicine, University of Southern California, passed dissertation defense examination in March, 2023.

26. Mingdong Lyu, *Pandemic Prediction and Control with Integrated Dynamic Modeling of Disease Transmission and Healthcare Resource Optimization*. Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, passed dissertation defense examination in May 2023.
27. Elizabeth Burner, *Addressing Unmet Needs and Harnessing Social Support to Improve Diabetes Self-care among Low-income, Urban Emergency Department Patients with Diabetes*, Clinical Emergency Medicine, Research Division, Keck School of Medicine, University of Southern California, passed dissertation defense examination in May, 2023.
28. Suyanpeng Zhang, *Optimizing Healthcare Decision-Making: Markov Decision Processes for Liver Transplants, Frequent Interventions, and Infectious Disease Control*. Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, passed dissertation defense examination in April, 2024.
29. Peng Dai, *Optimizing Resource Allocation for Infectious Disease Management: Effectiveness and Efficiency Analysis*. Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, passed dissertation defense examination in May, 2024.
30. Juyoung Park, Suzanne Dworak-Peck School of Social Work, University of Southern California, passed qualifying examination *Mental Health Impact of Elder Mistreatment in Older Korean Americans: The Protective Role of Social Resources* in April, 2023; proposed dissertation title *Mental Health Impact of Financial Mistreatment in Later Years of Life: The Role of Stress Appraisals and Psychosocial Vulnerabilities* in March, 2024. [Recipient of the **Outstanding Dissertation Proposal Award** from the Korean American Social Work Educators Association (KASWEA)]

*As qualifying examination committee member (graduated and in progress)*

31. 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.
32. Brian Wu, MD, PhD, Keck School of Medicine, University of Southern California. Received PhD degree in May, 2015. Currently working as a Psychiatry Resident at Keck School of Medicine, University of Southern California, and Founder of Health Stories for Kids.
33. 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. Currently Manager at Stratevi, Washington, D.C.
34. 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.
35. 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*, Suzanne Dworak-Peck School of Social Work, University of Southern California, passed qualifying examination in September 2016.



36. Jing Voon Chen, *Calibration Uncertainty in Model-based Analyses for Medical Decision Making with Applications for Preclinical Ovarian Cancer*, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, passed qualifying examination in December 2016.
37. Qianwei Zhao, *Childhood Risk Factors for Depressive Symptoms in Adulthood: Examining the Mediating Role of Criminal Justice Involvement among Women*, Suzanne Dworak-Peck School of Social Work, University of Southern California, passed qualifying examination in April 2017.
38. Yuchen Ding, *Issues Affecting Health Outcomes in Patients with Hemophilia*, School of Pharmacy, University of Southern California, passed qualifying examination in January 2018.
39. Michael Hintlian, *Search and Sensitivity in Medical Decision Making*, Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, passed qualifying examination in April, 2019.
40. Eunhye Ahn, *Machine Learning for a Child Welfare System: Predicting Risk of Aging Out Among Foster Care Youth*, Suzanne Dworak-Peck School of Social Work, University of Southern California, preparing for qualifying examination in November, 2019.
41. Ahmed A. Alzanki, *A Comparison Between Two Methods of Constructing Multiattribute Utility Functions for Life and Death Decisions*. Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, passed qualifying examination in May, 2020.
42. Jiaming Liang, *Family Caregiver Networks and Their impacts on Older Adults and Primary Caregivers: A Cross-Sectional Secondary Analysis*. Suzanne Dworak-Peck School of Social Work, University of Southern California, passed qualifying examination in November, 2020.
43. Ronna C. Banada, *APIDA College Students and Pandemic-Related Racial Discrimination: Mental Health and the Moderating Role of Ethnic Identity*. Suzanne Dworak-Peck School of Social Work, University of Southern California, passed qualifying examination in April, 2023.
44. Shiting (Citina) Liang, *Modeling and Data Insights for Infectious Disease Control Decision Making*. Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, passed qualifying examination in September, 2024.
45. Yiwon Cao, *Towards Personalized Healthcare in Kidney Disease Management: Exploring Optimal Timing of Diagnosis and Treatment*. Daniel J. Epstein Department of Industrial and Systems Engineering, Viterbi School of Engineering, University of Southern California, passed qualifying examination in September, 2024.

## 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 for CareMore, East Haven, Connecticut.
2. Hsinyi Hsiao, PhD., Research Assistant Professor, Suzanne Dworak-Peck School of Social Work, University of Southern California, 2014 – 2017. Accepted an offer as Associate Professor at International College of Interdisciplinary Studies at Tzu Chi University, Taiwan.
3. Weiyu Mao, PhD., Postdoctoral Fellow, Suzanne Dworak-Peck 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 NIH 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 – 2018.
6. Susan Wu, MD, Associate Professor of Clinical Pediatrics, University of Southern California, serving as faculty mentor for Dr. Wu's Academic Pediatric Association Quality Improvement Scholars program, 2018 – present.
7. Mei-Lan Chen, PhD, Assistant Professor, Byrdine F. Lewis College of Nursing and Health Professionals, Georgia State University, 2018 – present.
8. Stacey Schepens Niemiec, PhD OTR/L, Assistant Professor of Research, Mrs. T.H. Chan Division of Occupational Science and Occupational Therapy, University of Southern California. Serving as her mentor for *Interdisciplinary Aging Research to Address Health Disparities in Alzheimer's Disease and Related Dementias* (ADRD) scientific training program funded by the *National Institute on Aging* (NIA) and *Alzheimer's Association*, 2019-present. Acting as the recommender for her *Early Career Investigator Award* offered through *Alzheimer's Los Angeles*.
9. Jin Sol Lee, MD, MPH, Clinical Assistant Professor of Medicine, Section of Hospital Medicine, Division of Geriatric, Hospital, Palliative & General Internal Medicine, Department of Medicine, Keck School of Medicine, University of Southern California, 2022 – 2023.
10. Caitlin Sayegh, PhD, Assistant Professor of Clinical Pediatrics, Keck School of Medicine at University of Southern California, 2022 – present. Submitted K23 application titled "Adaptive Cell Phone Support to Promote Medication Adherence among Adolescents and Young Adults with Chronic Health Conditions" (1K23HD113865-01A1) in October 2023. Received an impact score of 35 in April 2024. In preparation for resubmission.
11. Yao Du, PhD., CCC-SLP. Clinical Assistant Professor, M.S. in Speech-Language Pathology, USC Caruso Department of Otolaryngology-Head and Neck Surgery, University of Southern California, 2023 – present.

#### **VISITING SCHOLAR HOSTING**

1. Wei-zhi Chen, PhD, Department of Social Work, School of Law, Qingdao University of Science and Technology, 2018.
2. HuiChing Wu, PhD, Department of Social Work, National Taiwan University, summer 2024–present.

#### **FUNDED RESEARCH**

*At University of Southern California*

##### **Extramural Funding**

1. [Scored for Funding] Examination of the Long-Term Effects of a Lifestyle Intervention Tailored for Late-Midlife and Young-Old Latinos in Rural Primary Care Settings (PI: Stacey Schepens Niemiec, National Institute on Aging, National Institutes of Health, December 2024–November 2031, *total award requested \$7,331,154*): **Co-Investigator**. This study tests, over a long-term

period, the comparative effectiveness and cost effectiveness of implementing a culturally tailored lifestyle intervention, ¡Vivir Mi Vida!, for aging Latinos, as part of services provided by safety-net primary care institutions in rural communities.

2. Adaptive Cell Phone Support to Promote Adherence among Adolescents and Young Adults with Chronic Health Conditions (Co-PIs: Caitlin Sayegh, PhD, & Marvin Belzer, MD, funded by the Barbara Korsch Ward Foundation, July 2024–June 2025, \$22,797): **Co-Investigator**. Our previous research shows that Cell Phone Support (CPS), a mobile health intervention, improves medication adherence for adolescents and young adults (AYA) with various chronic conditions. To enhance scalability and reduce costs, we are developing Adaptive CPS, which combines computer-delivered coaching with selective human support. In this project, we aim to refine Adaptive CPS using human-centered design methods and evaluate its effectiveness, enrollment, engagement, acceptability, and usability with an additional 15 patients.
3. Southern California Clinical and Translational Science Institute (PI: Thomas Buchanan, funded by the NIH/National Center for Advancing Translational Science, UL1TR001855, June 2022–May 2027, \$9,009,695): **Faculty member** of Healthcare Delivery Science Institute. The SC CTSI has six specific aims: (1) Workforce Development (2) Collaboration and Engagement for Team-based Research (3) Integration of Our Diverse Communities (4) Methods and Process Development to Enhance Efficiency, Quality, and Impact (5) Provision of an Agile Information Ecosystem (6) CTSA Hub for Networking, Research Innovation, and Dissemination.
4. Oral Health Education and Navigation Program for Older Immigrants with Limited English Proficiency (PI: Yuri Jang, funded by the National Institute of Dental and Craniofacial Research, R21DE029579, August 2021–July 2024, \$481,956): **Co-Investigator**. Focusing on older Korean Americans, the proposed study aims to (1) develop an oral health education and navigation program that is personalized by a computerized tailoring system and delivered by community health workers (CHWs) and (2) pilot test the program to evaluate feasibility and acceptability.
5. 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 2019, \$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).
6. 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): **Principal Investigator**. 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.
7. 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.

8. 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.
9. 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.
10. 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.
11. 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.
12. 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.
13. 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.

14. 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.
15. 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.
16. 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.
17. 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.
18. 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.

## Intramural Funding

### Serving as Principal Investigator (PI) or Co-PI

19. Empowering Chinese American Patients with Chronic Rhinosinusitis: Developing and Pilot-testing a Bilingual Patient Decision-Support Web Application (PI: Shinyi Wu, funded by the USC Undergraduate Research Associates Program, July 2024–June 2025, \$3,300): **Principal Investigator**. In this study, two undergraduate students will be recruited and trained to assist the pilot-testing of a versatile, bilingual web app accessible on multiple platforms (mobile, laptop, desktop computers) that features two key components to aid CRS patient decision-making: educational materials and AI-generated, relatable patient testimonials based on real patient experiences. This approach is designed to facilitate informed decision-making by overcoming language barriers and enhancing user engagement. The goal is to reduce CRS surgical hesitancy and improve treatment decisions.
20. Treatment Decision-Making Among Patients with Chronic Rhinosinusitis (PI: Kevin Hur, funded by the USC James H. Zumberge Faculty Research and Innovation Fund Diversity and Inclusion Award, July 2022–July 2024, \$30,000): **Co-Principal Investigator**. This project will 1) assess whether there are differences in disease-related quality of life between Chinese American and other racial and ethnic groups with chronic rhinosinusitis; 2) evaluate possible differences in quality of life after endoscopic sinus surgery between Chinese American and non-Chinese

- American participants; and 3) qualitatively explore the factors influencing surgical hesitancy among Chinese American patients with chronic rhinosinusitis who have failed medical therapy.
21. Chronic Rhinosinusitis Health Disparities Among Chinese Americans (PI: Shinyi Wu, funded by the USC Undergraduate Research Associates Program, July 2022–June 2023, \$6,600): **Principal Investigator**. In this study, two undergraduate students will be recruited and trained to assist the investigation of the main project “Treatment Decision-Making Among Patients with Chronic Rhinosinusitis”.
  22. The Central Role of Community in Mitigating COVID-19 and Re-opening the Economy: A Value-Based Measure of Community Health-Safety Climate for Decision Making (PI: Michalle Mor Barak, funded by the USC Zumberge Epidemic and Virus Research Grant, August 2020 – August 2022, \$85,000): **Co-Principal Investigator**. This project will be conducted by an interdisciplinary team of researchers as the first step in a research inquiry to provide an essential tool for community leaders and policy makers in combatting the spread of COVID-19.
  23. A Pilot Study of Depression among University Students Using Decision-Theory Driven Intensive Longitudinal Data Collection and Modeling (ILDCM) (PI: Shinyi Wu, funded by the USC Undergraduate Research Associates Program, July 2019–June 2020, \$4,650): **Principal Investigator**. The project aims to mentor two undergraduate research students in testing the feasibility of a depression decision-theory driven ILDCM methodological approach and applicability of relevant statistical modeling methods to link cognitive and emotional aspects of depression to daily activity and decision-making in university students with depression.
  24. A Feasibility Study of an Intergenerational mHealth Program for Affordable Housing Communities (PI: Shinyi Wu, funded by the pilot funding of the Department of Adult Mental Health and Wellness, USC Suzanne Dworak-Peck School of Social Work, February 2019–June 2019, \$5,000): **Principal Investigator**. The pilot study aims to understand feasibility of a proposed a new project called “Intergenerational mHealth Program for Affordable Housing Communities (ImPAHC)” which is to seek implementation of IMTOP (see below) program in senior housing communities, in a partnership with Life Skills Training and Educational Programs, Inc. (LifeSTEPS). This feasibility study is an important first step towards developing evidence to achieve interwoven aims of improving chronic disease outcomes, aging in community, and healthy affordable housing.
  25. Translating Caregiver Self-Management Research for Chinese Immigrant Community Use through Participatory Co-Design App Development (PI: Iris Chi, funded by the Southern California Clinical and Translational Science Institute Pilot Funding Program, July 2018–June 2020, \$40,000): **Co-Principal Investigator**. The pilot study will apply participatory co-design approach to determine what caregiver support app is needed in transforming caregiver self-management support evidence to optimize reach and effectiveness of such evidence for a subsequent translational research project that can assist the Chinese immigrant community in reducing caregiver burden and improving health outcomes.
  26. Undergraduate Research for Co-Designing a Mobile App with Chinese Immigrant Caregivers for Self-Management of Their Health (PI: Shinyi Wu, funded by the USC Undergraduate Research Associates Program, July 2018–June 2019, \$6,600): **Principal Investigator**. The project aims to mentor two undergraduate research students in using use-case writing method to co-design a mobile application (app) prototype with Chinese immigrant caregivers to overcome their cultural, language, and other barriers in self-management and access to caregiver resources.

27. Co-Designing a Mobile App with Chinese Immigrant Caregivers for Self-Management of Their Health (PI: Shinyi Wu, funded by the pilot funding of the Department of Adult Mental Health and Wellness, USC Suzanne Dworak-Peck School of Social Work, February 2018–June 2018, \$10,000): **Principal Investigator**. The pilot study aims to co-design a mobile application (app) prototype with Chinese immigrant caregivers to equip these caregivers with self-management knowledge and skills and access to caregiver resources to overcome their cultural, language, and other barriers.
28. Understanding Challenges of Coordinating the Care of Urban, Low-Income, Latinos with Alzheimer’s Disease: A Qualitative Study of Informal and Formal Caregivers (PI: Shinyi Wu, funded by USC Suzanne Dworak-Peck School of Social Work Research Council, September 2017–June 2018, \$35,000): **Principal Investigator**. In the U.S., prevalence of AD among Latinos is 50% greater than among non-Latino whites, and projected to be growing faster than non-Latino Whites and African Americans. Effective AD care coordination requires streamlined communication and information sharing among “teams” of family members as informal caregivers and formal caregivers (i.e., healthcare providers, and community-based long-term services and supports providers). This pilot study has two specific aims: 1) To identify best practices and persisting challenges of “team”-based care for low-income Latinos with AD for the long-term objective to design technological tool to improve quality of caregiving and reduce caregiver burden for this underserved population. 2) To assess feasibility of ecological momentary assessment (EMA) via text messaging to measure informal caregivers’ activity and psychological, physical, and mental health states to understand EMA as a tool to assess intervention outcomes targeting informal caregivers of Latinos with AD.
29. A Pilot Test of Short Message Service (SMS) to Assess Depressive Symptoms and Functional Disability in Low Income, Racially/Ethnically Diverse Safety Net Patient with Diabetes (PI: Shinyi Wu, funded by USC Suzanne Dworak-Peck School of Social Work Research Council, February 2017–June 2017, \$10,000): **Principal Investigator**. The study pilot-tested using SMS to assess depression and its related conditions, including functional disability, pain, and anxiety, in low-income, culturally diverse safety-net primary care populations with diabetes. The study examined the concordance between SMS and interviewer (INTW) assessments and evaluated test-retest reliability.
30. 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.
31. 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.
32. 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.

#### Serving as Co-Investigator or Research Team Member

33. Human-centered Design Process to Co-design Adaptive Cell Phone Support Intervention for Adolescents and Young Adults with Chronic Health Conditions (PI: Caitlin Sayegh, funded by the USC Undergraduate Research Associates Program, July 2023–June 2024, \$6,600): **Co-Investigator**. In this study, two undergraduate students will be recruited and trained to assist 1) the refinement of cell phone support to improve medication adherence for adolescents and young adults with chronic health conditions and 2) an iterative, mixed-methods usability testing with N = 12 AYA-CHC patients at Children’s Hospital Los Angeles until we meet high pre-set benchmarks for usability and acceptability.
34. Asian American Resource Database (AARD) for Los Angeles County: A Pilot Study with Chinese and Korean Communities (PIs: Iris Chi and Yuri Jang, funded by USC Suzanne Dworak-Peck Research Council and the Department of Adult Mental Health & Wellness, December 2018–June 2019, \$15,000): **Co-Investigator**. This pilot project plans to develop, disseminate and obtain feedback on an Asian American Resource Database (AARD) for Los Angeles County, first testing with Chinese and Korean Communities. I am in charge of the use of technology to increase the user-friendliness of the database and the application of a community participatory model.
35. Decision-Theory Driven Intensive Longitudinal Data Collection and Modeling (ILDCM) for Depression among University Students: A Pilot Study (PI: Haomiao Jin, funded by USC Suzanne Dworak-Peck Research Council and the Department of Adult Mental Health & Wellness, November 2018–June 2019, \$5,000): **Co-Investigator**. This pilot project will test a depression decision-theory driven ILDCM methodological approach. The pilot’s specific aims are to establish feasibility of the intensive longitudinal data collection (ILDC) approach, test the applicability of relevant statistical modeling methods, and estimate needed sample size in future larger study.
36. Fitting Local EMS Response to Multi-need Older Adults Through A Community-engaged Process (PIs: William Vega and Ellen Olshansky, funded by Southern California Clinical and Translational Science Institute, February 2017–May 2018, \$40,000): **Co-Investigator**. The pilot study will determine what information is needed for a subsequent translational research project that can assist the LA Fire Department in transforming its EMS services to optimize quality of care received by one million annual service requesters and reduce misuse of urgent care services.
37. BrainWorks: A Comparative Effectiveness Trial to Examine Text Message-Based Alzheimer’s Disease Education for Community-Dwelling African Americans (PI: Karen D. Lincoln, funded by Southern California Clinical and Translational Science Institute, February 2017–January 2018, \$39,998): **Co-Investigator**. The purpose is to compare the effectiveness of different approaches to AD education on AD knowledge and research attitudes. Objective is to increase AA participation in AD prevention research.
38. Bringing Evidence-Based Programs to Historically Underrepresented Older Minorities (PI: Maria Aranda, funded by the Southern California Clinical and Translational Science Institute, January 2015–December 2017, \$50,000): **Co-Investigator**. The purpose of this project is to characterize the nature of mental health and substance use evidence-based interventions (EBI) with regards to organizational and consumer facilitators and barriers in Los Angeles County.



39. The Los Angeles Healthy Aging Indicator Project (PI: William Vega, funded by the Southern California Clinical and Translational Science Institute, July 2014–June 2016, \$50,000): **Co-Investigator**. The project will develop multiple population health metric tools (Community Metrics) and a community dissemination-engagement component corresponding to the community assessment and intervention-research functions of the Healthy Aging Los Angeles County initiative.

*At RAND Corporation*

Serving as Principal Investigator (PI), Co-PI, or Sub-Award PI

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

11. 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.
12. 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.
13. 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.
14. 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.
15. 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.

16. 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.
17. 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.
18. 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.
19. 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.
20. 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.
21. 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.
22. 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.
23. George Washington University Medical Center: Options for the 21<sup>st</sup> Century (PIs: Albert Williams and Richard Hillestad, funded by the George Washington University, October 1999–March 2000): **Modeler.** Productivity modeling.
24. 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, research fellow mentee, or junior faculty mentee)

1. Bañada, R., Oh, H., Palinkas, L.A., Jang, Y., **Wu, S.**, Javier, J., & Liang, J. (2024, accepted for publication on August 13). Asian Pacific Islander Desi American college students and COVID-

- 19-related racial discrimination: Mental health and the moderating role of ethnic identity. *PLOS ONE*.
2. Mor Barak, M. E., **Wu, S.**, Luria, G., Schnyder, L. P., Liu, R.\*, Nguyen, A.\*, & Kaplan, C. D. (2024). Engaging communities in emerging infectious disease mitigation to improve public health and safety. *Emerging Infectious Diseases*, 30(7). <https://doi.org/10.3201/eid3007.230932>
  3. Orechwa, A. Z., Abhat, A., Amezcua, L., Boden-Albala, B., Buchanan, T. A., Chen, S., Daskivich, L. P., Feldman, B., Gould, M. K., Lee, W., Lynch, C., Meltzer, C. C., Mittman, B. S., Pereyda, M., Raff, E., Robinson, J., Saluja, S., Turner, B. J., Taira, B. R., Trotzky-Sirr, R., Williams, L., **Wu, S.**, Yee, H., & Towfighi, A. (2024). 2023 inaugural Healthcare Delivery Science: Innovation and Partnerships for Health Equity Research (DESCIPHER) Symposium. *Learning Health Systems*, e10442. <https://doi.org/10.1002/lrh2.10442>.
  4. Park, J.\*, Wilber, K., **Wu, S.**, Aranda, M. P., Oh, H., & Jang, Y. (2024). Risk factors for elder mistreatment among older Korean Americans. *The International Journal of Aging and Human Development*, ePub ahead of print. <https://doi.org/10.1177/00914150241253235>
  5. Yu, K.\*, Jiang, H., Liu, M.\*, **Wu, S.**, Jordan-Marsh, M., & Chi, I. (2024). Chinese immigrant caregivers: Understanding their unmet needs and the co-design of an mHealth app. *Canadian Journal on Aging / La Revue Canadienne du Vieillessement*. <https://doi.org/10.1017/S0714980824000187>
  6. Jang, Y., Park, J., Park, C., **Wu, S.**, Suarez-Durall, P., Chung, S., & Kim, M. T. (2024). Intervention to promote preventive dental care for older Korean-American Medi-Cal enrollees in Los Angeles. *BMC Oral Health*, 24(1), 332. <https://doi.org/10.1186/s12903-024-04113-z>
  7. Sayegh, C. S.\*, Iverson, E., MacDonell, K. K., **Wu, S.**, & Belzer, M. (2024). Youth perspectives on mobile health adherence interventions: A qualitative study guided by the supportive accountability model. *Patient Education and Counseling*, 119, 108079. <https://doi.org/10.1016/j.pec.2023.108079>
  8. Liang, J., Yu, K.\*, Tung, Y. H.\*, **Wu, S.**, & Chi, I. (2023). "Do your best to avoid it": Appraisals and coping with discrimination-related stress among older Chinese immigrants in affordable senior housings during the COVID-19 pandemic. *Journal of Gerontological Social Work*, 67(2), 188–206. <https://doi.org/10.1080/01634372.2023.2239876>
  9. Strickland, M., Nguyen, A.\*, **Wu, S.**, Suen, S. C., Mu, Y., Del Rio Cuervo, J., Shin, B. J., Kalakuntla, T., Ghafil, C., & Matsushima, K. (2023). Assessment of Machine Learning Methods to Predict Massive Blood Transfusion in Trauma. *World Journal of Surgery*, 47(10), 2340–2346. <https://doi.org/10.1007/s00268-023-07098-y>
  10. Yu, K.\*, Liang, J., Tung, Y. H.\*, Zhang, M., **Wu, S.**, & Chi, I. (2023). Social network and mental health of Chinese immigrants in affordable senior housing during the COVID-19 pandemic: A mixed-methods study. *Aging & Mental Health*, 27(10), 1956–1964. <https://doi.org/10.1080/13607863.2023.2213646>
  11. Liu, R.\*, Chi, I., & **Wu, S.** (2023). Impacts of caregiving on health of new spousal caregivers to older adults in the United States: A coarsened exact matching analysis. *The Journals of Gerontology: Series B, Psychological Sciences and Social Sciences*, 78(7), 1257–1268. <https://doi.org/10.1093/geronb/gbad064>
  12. Ramirez, M.\*, De Anda, S., Jin, H.\*, Herrera, J. R., & **Wu, S.** (2023). Health information-seeking behavior of Latino caregivers of people living with dementia: A mixed-methods study. *Journal of Applied Gerontology*, 42(8), 1738–1748. <https://doi.org/10.1177/07334648231163430>

13. Schepens Niemiec, S. L.\*, Lee, E., Saunders, R., Wagas, R., & **Wu, S.** (2022). Technology for activity participation in older people with mild cognitive impairment or dementia: expert perspectives and a scoping review. *Disability and Rehabilitation: Assistive Technology*, 18(8), 1555–1576. <https://doi.org/10.1080/17483107.2022.2116114>.
14. Liang, J.\*, Aranda, M. P., Jang, Y., Wilber, K., Chi, I., & **Wu, S.** (2022). The effect of support from secondary caregiver network on primary caregiver burden: Do men and women, Blacks and Whites differ? *The Journals of Gerontology: Series B, Psychological Sciences and Social Sciences*, 77(10), 1947–1958. <https://doi.org/10.1093/geronb/gbac067>
15. Treacy-Abarca, S., Mercado, J., Serrano, J., Gonzalez, J., Menchine, M., Arora, S., **Wu, S.**, & Burner, E.\* (2022). Technological proficiencies, engagement, and practical considerations for mHealth programs at an urban safety-net hospital emergency departments: Data analysis. *JMIR Diabetes*, 7(2), e23641. <https://doi.org/10.2196/23641>
16. Liu, R.\*, Chi, I., & **Wu, S.** (2022). Caregiving burden among caregivers of people with dementia through the lens of intersectionality. *The Gerontologist*, 62(5), 650–661. <https://doi.org/10.1093/geront/gnab146>
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**Manuscripts Submitted for Publication**

132. Burner, E., Hazime, D., Menchine, M., Mack, W. J., Mercado, J., Aleman, A., Hernandez Saenz, A., Arora, S., & **Wu, S.** (2024). Outcomes of TEXT-MED+FANS: A phase III randomized unblinded trial of mHealth augmented social support vs. standard social support in combination with an mHealth curriculum for safety-net ED patients with diabetes. (Manuscript in resubmission to *Journal of Medical Internet Research Diabetes Management*).
133. Wong, K. P., Ewe, S. Y., Teh, P.-L., Ho, H. H. P., **Wu, S.**, Su, T. T., & Ang, C. W. (2024). Empowering older sales professionals through online technology learning: Insights from a qualitative study using the Broaden-and-Build Theory of Positive Emotions. (Manuscript in submission to *Journal of Aging & Social Policy*).
134. Park, J., Wilber, K., **Wu, S.**, Aranda, M. P., Oh, H., & Jang, Y. (2024). Mental distress posed by the co-experience of elder mistreatment and social isolation: A study with older Korean Americans. (in submission to *Journal of Elder Mistreatment and Neglect*).
135. Hur, K., Gao, J., Adili, A., Tam, B., Herrera, K., Rice, D., Wrobel, B., & **Wu, S.** (2024). Treatment decision-making among Chinese Americans with chronic rhinosinusitis. (Manuscript in revision to be resubmitted to *The Laryngoscope*).

**Manuscripts in Preparation**

136. Yu, K., **Wu, S.**, Ailshire, J., Chi, I. (2024). Physical and social environments and social isolation among diverse older adults: A longitudinal analysis by racial groups. Manuscript in preparation.
137. Yu, K., **Wu, S.**, Liu, R., Liang, J., Lee, M-C., Jordan-Marsh, M., & Chi, I. (2024). Needs and feasibility of implementing a mHealth intervention for type 2 diabetes management in affordable senior housing communities. Manuscript in preparation.
138. Yu, K., **Wu, S.** & Chi, I. (2024). Contextualizing longitudinal influence of technology on social isolation within environments: Do purposes of use matter? Manuscript in preparation.
139. Nguyen, A., **Wu, S.**, Wu, C.-C., Patel, H., & Pérez Jolles, M. (2024). Using a Machine Learning Approach to Predict Risk of Uncontrolled Diabetes Among Adults Served by Federally Qualified Health Centers (FQHCs). Manuscript in preparation.
140. Wu, C., **Wu, S.**, Nguyen, A., & Pérez Jolles, M. (2024). Integrating electronic health record information to examine diabetes second-line drug therapy outcomes: Do higher-tier drugs control A1c level better than lower-tier drugs at a federally qualified health center?. Manuscript in preparation.
141. Evanson, O., & **Wu, S.** (2024). Longitudinal analysis of relationship between self-management activities, care-management, and symptoms of diabetes and depression: Results from a comparative effectiveness trial. Manuscript in preparation.
142. Liu, R., Chi, I., & **Wu, S.** (2024). A dyadic cross-lagged analysis of the relationship between physical and cognitive health among older adults. Manuscript in preparation.
143. Liu, R., Yu, K., **Wu, S.**, & Chi, I. (2024). Self-care experience among Chinese and Hispanic immigrants with type 2 diabetes in Los Angeles. Manuscript in preparation.
144. Liu, R., Chi, I., **Wu, S.**, & Jang, Y. (2024). Relationship between depression and cognitive functioning among older adults and their spousal caregivers: A dyadic cross-lagged analysis. Manuscript under review.
145. Liu, R., Chi, I., & **Wu, S.** (2024). A latent class analysis of stressors and resources among spousal caregivers to older adults in the United States and their associations with wellbeing.

Manuscript in preparation.

146. Liu, R., Chi, I., & **Wu, S.** (2024). Predicting care-recipients' wellbeing based on spousal caregivers' co-occurring stressors and resources. Manuscript in preparation.

### BOOK CHAPTERS

1. **Wu, S.**, Rodriguez, F., Jin, H., & Vega, W. A. (2019). Latino and Alzheimer's: Social determinants and personal factors contributing to disease risk. In W. Vega, J. Angel, L. Gutiérrez Robledo, & K. Markides (Eds.), *Contextualizing health and aging in the Americas* (pp. 63-84). Springer, Cham. [https://link.springer.com/chapter/10.1007/978-3-030-00584-9\\_4](https://link.springer.com/chapter/10.1007/978-3-030-00584-9_4)
2. 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.

### OTHER PUBLICATIONS

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2. **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://www.usagainstalzheimer.org/sites/default/files/Latinos-and-AD\\_USC\\_UsA2-Impact-Report.pdf](https://www.usagainstalzheimer.org/sites/default/files/Latinos-and-AD_USC_UsA2-Impact-Report.pdf)
3. 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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5. 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. HHS290-2006-00017, 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>



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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. HHS A 290200600017). Rockville, MD: Agency for Healthcare Research and Quality. Retrieved from [http://www.improvingchroniccare.org/downloads/icic\\_practice\\_coaching\\_manual.pdf](http://www.improvingchroniccare.org/downloads/icic_practice_coaching_manual.pdf)
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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](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.** (2020, November). Session chair and moderator. *Health applications to inform public policy*. Panel session at the INFORMS Annual Meeting & Expo, Virtual.
2. **Wu, S.** (2020, October). Symposium chair. *Employing mobile health to address disparities in diabetes self-care among middle-aged to older immigrants and low-income seniors in affordable housing*. Symposiums at the American Public Health Association Annual Meeting & Expo, Virtual.
3. **Wu, S.** (2019, December). Panelist and Presenter. *Diabetes self-management training with a mobile app among older adults in Taiwan: Comparative and longitudinal program effectiveness*. Presentation at the Third Gerontechnology Symposium in conjunction with the First World Congress on Falls and Postural Stability (WCFPS), Kuala Lumpur, Malaysia.

4. **Wu, S.** & Jin, H. (2019, October). *Evaluating engagement patterns of using a mobile app for diabetes self-management among older adults and effects on outcomes*. Presentation at the INFORMS Annual Meeting, Seattle, WA.
5. **Wu, S.** (2019, September). *Learning mobile technology with intergenerational support to improve health among older adults*. Presentation at the New Jersey Governor's Conference on Housing and Economic Development, Atlantic City, NJ.
6. **Wu, S.** (2019, May). *Intergenerational mobile technology opportunities program with an app to improve diabetes self-management among older adults*. Presentation in the First Medical Social Work Conference of Jiangsu Province, Nanjing, China.
7. **Wu, S.** (2018, Nov.). Symposium chair. *Understanding diabetes self-management app use patterns and Effective Engagement among Older Adults*. Symposiums at the Gerontological Society of America Conference, Boston, MA.
8. **Wu, S.** (2018, June). Invited session chair. *Innovative applications in health care and health policy Research*. Session at the INFORMS International Conference, Taipei, Taiwan.
9. **Wu, S.** (2018, May). Invited session chair. *Health systems engineering methods and applications*. Sessions at the Industrial and Systems Engineering Research Conference, Orlando, FL.
10. **Wu, S.** (2018, January). Symposium chair. *Examining the Effects of An Intergenerational Mobile Technology and Diabetes Self-management training program on older adults and college youth*. Symposium at the Society for Social Work and Research (SSWR) 22nd Annual Conference, Washington, DC.
11. **Wu, S.** (2017, July). Invited session chair. *Harnessing information and communication technology for healthcare*. Session at the INFORMS Healthcare Conference, Rotterdam, Netherlands.
12. **Wu, S.** (2017, July). Symposium chair. *Using mobile app and intergenerational support to help older adults learn diabetes self-management*. Symposiums at the International Association of Gerontology and Geriatrics World Congress, San Francisco, CA.
13. **Wu, S.** (2017, April). Session chair. *Mobile apps and wearable technology*. Session at the Grand Challenge to Harness Technology for Social Good Conference, Los Angeles, CA.
14. **Wu, S.** (2016, November). Symposium chair. *Improving aging and health with mobile technology application and intergenerational support*. Symposiums at the Gerontological Society of America Conference, New Orleans, LA.
15. **Wu, S.** (2016, June). Invited session chair. *Data analytics and modeling for improving healthcare*. Session at the INFORMS International Conference, Waikoloa, HI.
16. **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.
17. **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.
18. **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.

19. **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.
20. **Wu, S.** (2014, November). Invited session chair. *Analytics for chronic care decision-making*. Session at the INFORMS Annual Meeting, San Francisco, MN.
21. **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.
22. **Wu, S.** (2013, October). Invited session chair. *Decision making in health care: Modeling, analysis, and applications*. Session at the INFORMS Annual Meeting, Minneapolis, MN.
23. **Wu, S.**, & Liu, P. (2013, October). *An agent-based system model to study health policy*. Presentation at the INFORMS Annual Meeting, Minneapolis, MN.
24. **Wu, S.** (2013, June). Invited session chair, *Modeling methods and applications in hospital performance improvement*. Session at the INFORMS Healthcare 2013, Chicago, IL.
25. **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.
26. **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.
27. **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.
28. 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.
29. Vidyanti, I, & **Wu, S.** (2011, November). *Integrated simulation modeling for screening of diabetic retinopathy*. Presentation at the INFORMS Annual Meeting, Charlotte, NC.
30. Liu, P., & **Wu, S.** (2011, November). *Use agent-based simulation framework to model health system*. Presentation at the INFORMS Annual Meeting, Charlotte, NC.
31. **Wu, S.** (2010, November). *Comparing cost-effectiveness of physical activity interventions*. Presentation at the INFORMS Annual Meeting, Austin, Texas.
32. 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.
33. **Wu, S.** (2009, October). Invited session chair. *Healthcare operation management*. Session at the INFORMS Annual Meeting, San Diego, CA.
34. **Wu, S.** (2009, May). Invited session chair. *Quality in health care I*. Session at the IIE Annual Conference and Expo, Miami, FL.
35. **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.

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**COMPETITIVELY REVIEWED AND CONTRIBUTED CONFERENCE PRESENTATIONS**
**Oral Presentations**

1. He, J., **Wu, S.** & Wong, C. (2024, October). *Early detection of problematic cannabis use among young adult users in Los Angeles using a recurrent neural network approach*. INFORMS Annual Meeting, Seattle, WA.
2. Teh, P.-L., Ang, C. W., **Wu, S.**, Su, T. T., & Lu, Y. (2024, June 29–July 4). *Bringing lose sheep into the fold: Redesigning Women-in-Tech (WIT) app for women of three age groups*. 26<sup>th</sup> International Conference on Human-Computer Interaction, Washington, DC.
3. Hur, K., & **Wu, S.** (2024, April). *A qualitative study of surgical hesitancy among Chinese American patients with chronic rhinosinusitis*. Congress of the International Society of Inflammation and Allergy of the Nose and Congress of the International Rhinologic Society, Tokyo, Japan.
4. **Wu, S.**, Nguyen, A., Wu, C. C., & Pérez Jolles, M. (2024, April). *Development and validation of a machine learning ensemble algorithm for risk stratification of uncontrolled diabetes in FQHC patients*. USC Center for AI in Society ShowCAIS 2024, Los Angeles, CA.
5. **Wu, S.**, & Wu, C. C. (2023, December). *Can we use machine learning to predict uncontrolled risk among diabetics?* Mount Hood Asia Diabetes Challenge and Society for Medical Decision Making Asia Conference, Kuala Lumpur, Malaysia
6. Wu, C. C., & **Wu, S.** (2023, December). *Do higher-tier drugs control A1c level better than lower-tier drugs?* Mount Hood Asia Diabetes Challenge and Society for Medical Decision Making Asia Conference, Kuala Lumpur, Malaysia
7. Chong, C. Y., Teh, P-I, **Wu, S.**, & Liew E. J. Y. (2023, July). *Perceptions and expectations of Women-in-Tech (WIT) application: Insights from older women in rural areas*. 25<sup>th</sup> International Conference on Human-Computer Interaction, Copenhagen, Denmark.
8. He, J., Higle, J. L., & **Wu, S.** (2023, May). *Do Calibration Methods Matter? A Case Study on the Impact of Computational Choices of Disease Model Calibration*. Institute of Industrial and Systems Engineers 2023 Annual Conference and Expo, New Orleans, LA.
9. Tung, Y., Chi, I., & **Wu, S.** (2022, November). *A Scoping Review of Research on Competency Training for Home Care Workers*. CSWE 68<sup>th</sup> Annual Program Meeting, Anaheim, CA.
10. Yu, K., Liang, J., Tung, Y., Zhang, M., Yang, L., **Wu, S.**, & Chi, I. (2022, November). *Social Network and Mental Health of Older Chinese Immigrants in Affordable Senior Housing During COVID-19 Pandemic*. Gerontological Society of America Annual Scientific Meeting, Indianapolis, IN.
11. Liang, J., Yu, K., Tung, Y., Li, C., **Wu, S.**, & Chi, I. (2022, November). *Discrimination and Coping among Older Chinese Immigrants during the COVID-19 Pandemic: A Qualitative Study*. Gerontological Society of America Annual Scientific Meeting, Indianapolis, IN.
12. Tung, Y., Yu, K., Liang, J., **Wu, S.**, & Chi, I. (2022, November). *Stress and Resilience across Phases of COVID-19: A Qualitative Study with Older Chinese Immigrants*. Gerontological Society of America Annual Scientific Meeting, Indianapolis, IN.
13. Tung, Y., **Wu, S.**, & Chi, I. (2021, November). *Effects of Intergenerational Relationship and Support on mHealth App Adoption Among Older Adults*. The Gerontological Society of America Annual Scientific Meeting, Virtual.

14. Liu, R., Chi, I., **Wu, S.**, & Jang, Y. (2021, November). *Relationship between depression and cognitive functioning among older adults and their spousal caregivers: A dyadic cross-lagged analysis*. Gerontological Society of America Annual Scientific Meeting, Virtual.
15. Wu, C-c. & **Wu, S.** (2021, October). *Effectiveness of an mHealth intervention on glucose monitoring for middle-aged to older adults with Diabetes in Taiwan*. Society for Medical Decision Making 43rd Annual North America Meeting, Virtual.
16. Yu, K., Aranda, M.P., **Wu, S.**, & Chi, I. (2021, January). *Big-5 personality and loneliness in older adults: A growth curve model for two parallel processes*. Society for Social Work and Research 25th Annual Conference, Virtual.
17. Yu, K., Jiang, H., Liu, M., **Wu, S.**, Jordan-Marsh M., & Chi, I. (2020, November). *Discerning unmet self-care need and co-design of a mobile app with Chinese immigrant caregivers to promote self-care*. Gerontological Society of America Annual Scientific Meeting, Virtual.
18. Liu., R., Chi, I., & **Wu, S.** (2020, November). *Triple jeopardy? Stress among dementia caregivers through the lens of intersectionality*. Gerontological Society of America Annual Scientific Meeting, Virtual.
19. **Wu, S.**, Yu, K., & Chi, I. (2020, October). *Assessing feasibility of implementing a type 2 diabetes mHealth program in affordable senior housing*. American Public Health Association Annual Meeting & Expo, Virtual.
20. Yu, K., Chi, I., & **Wu, S.** (2020, October). *How does the environments in affordable senior housing influencing type 2 diabetes management? Perspectives from stakeholders*. American Public Health Association Annual Meeting & Expo, Virtual.
21. Yu, K., **Wu, S.**, Liu, R., & Chi, I. (2020, October). *Mobile technology adoption for type 2 diabetes management among Chinese and Hispanic immigrants: A Qualitative Pilot Study*. American Public Health Association Annual Meeting & Expo, Virtual.
22. Liu, R., **Wu, S.**, Yu, K., & Chi, I. (2020, October). *Self-care experience among middle-aged to older Chinese and Hispanic immigrants with type 2 diabetes in Los Angeles*. American Public Health Association Annual Meeting & Expo, Virtual.
23. Yu, K., **Wu, S.**, & Chi, I. (2020, October). *Longitudinal assessment of geriatric conditions and loneliness*. American Public Health Association Annual Meeting & Expo, Virtual.
24. Yu, K., **Wu, S.**, & Chi, I. (2019, November). *Internet use and loneliness of older adults over time: The mediation effect of social contact*. Gerontological Society of America Annual Scientific Meeting, Austin, Texas.
25. **Wu, S.**, Yu, K., Liu, M., Jiang, H., Jordan-Marsh, M., & Chi, I. (2019, November). *Beta-testing of a CSMP App: An assessment of usability, utilities, and challenges*. Gerontological Society of America Annual Scientific Meeting, Austin, Texas.
26. Yu, K., **Wu, S.**, Liu, M., Jiang, H., & Chi, I. (2019, November). *Reflective thinking of the CSMP app co-design and alpha-testing process*. Gerontological Society of America Annual Scientific Meeting, Austin, Texas.
27. Chen, M.-L., **Wu, S.**, Lee, P.-J., & Jin, H. (2019, November). *Engagement and effectiveness of using mobile app for diabetes self-management among older adults*. Gerontological Society of America Annual Scientific Meeting, Austin, Texas.
28. Chen, M.-L., **Wu, S.**, Lee, P.-J., & Jin, H. (2019, August). *Effectiveness of mobile app engagements on cardiovascular risk factors and physical activity behavior among older adults*

- with type 2 diabetes in Taiwan*. Annual Conference of the 2019 Chinese-American Academic and Professional Association in Southeastern United States (CAPASUS), Atlanta, GA. (Chen received "Excellent Presentation Award", Early Career Scholars Session)
29. Evanson, O. & **Wu, S.** (2019, January). *Relationships between selfcare behaviors and diabetes and depression outcomes in low-income minority patients with type 2 diabetes: Comparison among different care-management models*. 23rd Annual Conference of the Society for Social Work and Research (SSWR), San Francisco, CA.
  30. **Wu, S.**, & Lee, P. (2018, November). *Pattern analysis of a diabetes self-management mHealth application*. Gerontological Society of America Annual Scientific Meeting, Boston, MA.
  31. Jin, H., **Wu, S.**, & Liu, R. (2018, November). *An analysis of effective engagement in a mobile app for diabetes self-management among older adults with diabetes*. Gerontological Society of America Annual Scientific Meeting, Boston, MA.
  32. Yu, K., **Wu, S.** & Chi, I. (2018, November). *Feasibility and acceptance of IMTOP intervention with recent Chinese immigrants in Los Angeles: A pilot study*. Gerontological Society of America Annual Scientific Meeting, Boston, MA.
  33. Yu, K., **Wu, S.**, Lee, P. & Chi, I. (2018, November). *Effects of a mHealth intervention for older adults with diabetes in a rural area in Taiwan: Difference in Differences comparisons*. American Public Health Association Annual Meeting & Expo, San Diego.
  34. Yu, K., **Wu, S.** & Chi, I. (2018, November). *Longitudinal effects of a mHealth program for older adults with diabetes in a rural area in Taiwan*. American Public Health Association Annual Meeting & Expo, San Diego.
  35. Li, M., Hagedorn, A., Hsiao, H., Chi, I. & **Wu, S.** (2018, July). *Analysis of obstacles and motivations of utilizing a self-management App for Taiwanese type II diabetes patients*. 20th International Conference on Human-Computer Interaction, Las Vegas, Nevada.
  36. **Wu, S.**, Jin, H., & Lee, P. (2018, June). *Analysis of effective engagement with mHealth technology for promoting self-management behaviors among older adults with diabetes*. INFORMS International Conference, Taipei, Taiwan.
  37. Alibrahim, A. & **Wu, S.** (2018, June). *An agent-based model of insurer-provider bargaining in private healthcare markets*. INFORMS International Conference, Taipei, Taiwan.
  38. Jin, H., & **Wu, S.** (2018, May). *Discovering effect of work design on mitigating depression-related productivity loss*. Institute of Industrial and Systems Engineers 2018 Annual Conference and Expo, Orlando, FL.
  39. **Wu, S.**, Hsiao, H-Y., Chi, I., Tseng, Y-C., & Lee, P-J. (2018, January). *Effects of a diabetes self-management training program using mobile technology and intergenerational support on older adults with diabetes*. Society for Social Work and Research (SSWR) 22nd Annual Conference, Washington, DC.
  40. Yu, K., **Wu, S.**, Chi, I., Hsiao, H-Y., & Lee, P-J. (2018, January). *The impacts of diabetes self-management mobile technology application usage on self-care behaviors among older adults*. Society for Social Work and Research (SSWR) 22nd Annual Conference, Washington, DC.
  41. Yu, K., **Wu, S.**, Chi, I., Hsiao, H-Y., Lee, P-J., & Lin, J-P. (2018, January). *The effects of family support on the technology usage among older adults with type-2 diabetes*. Society for Social Work Research (SSWR) 22nd Annual Conference, Washington, DC.

42. Hsiao, H-Y., Chen, Y., Lee, P-J., **Wu, S.**, & Chi, I. (2018, January). *A comparative study of youth development, health promotion, purpose in life, usage of internet among college students in healthcare-related and non-related majors in Taiwan*. Society for Social Work Research (SSWR) 22nd Annual Conference, Washington, DC.
43. **Wu, S.** (2017, July). *Analysis of a health program effects on older diabetes patients*. INFORMS Healthcare 2017. Rotterdam, Netherlands.
44. **Wu, S.**, Hsiao, H., Chi, I., & Evanson, O. (2017, July). *An aging-focused self-management mHealth app: Analysis of usage patterns, acceptance and engagement among older populations*. Applied Human Factors and Ergonomics Conference, Los Angeles, CA.
45. Chi, I., **Wu, S.**, Hsiao, H., Yu, K. & Lee, P. (July, 2017). *Effects of IMTOP on the well-being of older diabetes patients in Taiwan*. International Association of Gerontology and Geriatrics World Congress, San Francisco, CA.
46. **Wu, S.**, Hsiao, H., & Chi, I. (2017, July). *Research design of the Intergenerational Mobile Technology Opportunities Program (IMTOP) in Taiwan*. International Association of Gerontology and Geriatrics World Congress, San Francisco, CA.
47. **Wu, S.**, Hsiao, H., Chi, I., & Lee, P-J. (2017, July). *Development of a diabetes self-management app and analysis of usage patterns among older patients*. International Association of Gerontology and Geriatrics World Congress, San Francisco, CA.
48. Li, M-F., Hagedorn, A., Tseng, Y-C., Pan, L-C., **Wu, S.**, Hsiao, H., & Chi, I. (2017, July). *Analysis of obstacles and motivations found utilizing a diabetes health app for older patients*. International Association of Gerontology and Geriatrics World Congress, San Francisco, CA, July 2017
49. **Wu, S.**, Hsiao, H., Chi, I., & Lee, P-J. (2017, July). *The effects on health and well-being of older diabetes patients using IMTOP mobile app in Taiwan*. International Association of Gerontology and Geriatrics World Congress, San Francisco, CA, July 2017
50. Hsiao, H., **Wu, S.**, & Chi, I. (2017, July). *How young adults changed attitudes toward aging and health through IMTOP volunteering experience*. International Association of Gerontology and Geriatrics World Congress, San Francisco, CA.
51. Jin, H., & **Wu, S.** (2017, May). *A novel online method for analyzing trial-by-trial behavioral data in mental health*. Production and Operations Management Society 28th Annual Conference, Seattle, WA, May 2017
52. Jin, H., & **Wu, S.** (2017, May). *Development and evaluation of a model-based policy for repeated depression screening*. Production and Operations Management Society 28th Annual Conference, Seattle, WA.
53. **Wu, S.**, Hsiao, H., Chi, I., Tseng, Y-C., & Lee, P-J. (2017, January). *Supporting diabetes self-management among older adults through mobile technology application and intergenerational support: IMTOP program design and effectiveness*. Society for Social Work and Research (SSWR) 21<sup>st</sup> Annual Conference, New Orleans, LA.
54. Hsiao, H., **Wu, S.**, Ho, C-Y., Chen, Y., Sun, Z., & Chi, I. (2017, January). *Assessing the effectiveness of volunteering in a diabetes self-management technology program on youth's health awareness and prevention of chronic illness*. Society for Social Work and Research (SSWR) 21<sup>st</sup> Annual Conference, New Orleans, LA.

55. **Wu, S.**, Hsiao, H-Y., & Chi, I. (2016, November). *Intergenerational Mobile Technology Opportunities Program in Taiwan: Program and research design*. Gerontological Society of America Annual Scientific Meeting, New Orleans, LA.
56. Wang, S., **Wu, S.**, Hsiao, H-Y., Chi, I., & Lee, P-J. (2016, November). *The IMTOP diabetes app: Evaluation of application development and analysis of usage pattern*. Gerontological Society of America Annual Scientific Meeting, New Orleans, LA.
57. Chi, I., **Wu, S.**, Hsiao, H-Y., & Lee, P-J. (2016, November). *The effects of IMTOP on the well-being of older diabetes patients in Taiwan: Preliminary findings*. Gerontological Society of America Annual Scientific Meeting, New Orleans, LA, November, 2016
58. Hsiao, H-Y., & **Wu, S.**, Chi, I., & Lufei, X. (2016, November). *The effects of IMTOP on young volunteers' attitudes toward older adults and self-improvement*. Gerontological Society of America Annual Scientific Meeting, New Orleans, LA, November, 2016
59. Alibrahim, A., & **Wu, S.** (2016, November) *A theoretical agent-based framework to evaluate anti-competitive implications of accountable care organizations*. INFORMS Annual Meeting, Nashville TN, USA.
60. **Wu, S.**, & Jin, H. (2016, June). *Developing prediction models to improve depression detection among patients with diabetes*. INFORMS International Conference, Waikoloa, HI
61. 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.
62. 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.
63. 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.
64. 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.
65. 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.
66. 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.
67. Jin, H., & **Wu, S.** (2015, November). *A model to predict depression among diabetes patients with application in screening policymaking*. INFORMS Annual Meeting, Philadelphia, PA.
68. 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.)



69. 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.
70. 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.
71. **Wu, S.**, Ramirez, M., & Jin, H. (2015, June). *Patient acceptance of remote depression monitoring using automated technology*. Academy Health Annual Research Meeting. Minneapolis, MN.
72. 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.
73. **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.
74. 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.
75. Alibrahim, A., & **Wu, S.** (2015, May). *Modeling patient choice in an accountable care organization health delivery system*. 2<sup>nd</sup> International Conference on Industrial Engineering, Management Science and Applications, Tokyo, Japan.
76. **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) 19<sup>th</sup> Annual Conference, New Orleans, LA.
77. **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) 19<sup>th</sup> Annual Conference, New Orleans, LA.
78. 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.
79. Vidyanti, I. & **Wu, S.** (2014, November). *Considering multiple perspectives in simulation modeling for better implementation of interventions*. INFORMS Annual Meeting, San Francisco, CA.
80. 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.
81. Vidyanti, I. & **Wu, S.** (2014, November). *Considering heterogeneity of provider implementation of screening policies in simulation models*. INFORMS Annual Meeting, San Francisco, CA.
82. **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.

83. Alibrahim, A., **Wu, S.**, & Guerrero, E. G. (2014, June). *Substance abuse treatment system performance dashboard*. National Network for Social Work Management Conference, Boston, MA.
84. **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.
85. 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.
86. Ramirez, M., & **Wu, S.** (2014, May). *Using conjoint analysis to elicit patient preferences for mHealth intervention*. Industrial and Systems Engineering Research Conference, Montréal, Canada.
87. Alibrahim, A., & **Wu, S.** (2014, May). *Performance dashboard for substance abuse prevention and control treatment programs*. Industrial and Systems Engineering Research Conference, Montréal, Canada.
88. **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.
89. 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.
90. 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.
91. Liu, P., & **Wu, S.** (2013, June). *An agent-based model to study accountable care organizations*. INFORMS Healthcare 2013, Chicago, IL.
92. **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.
93. 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.
94. 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.
95. 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.
96. 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.
97. **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.

98. **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.
99. **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.
100. 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.
101. Liu, P., & **Wu, S.** (2012, October). *A multi-agent system model to study US health system.* INFORMS Annual Meeting, Phoenix, AZ.
102. Hawkins, C., & **Wu, S.** (2012, October). *A system model for implementing and sustaining evidence-based healthcare practice.* INFORMS Annual Meeting, Phoenix, AZ.
103. 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.
104. Vidyanti, I., & **Wu, S.** (2012, May). *Spatial modeling of noncompliance with diabetic retinopathy screening in California.* Industrial and Systems Engineering Research Conference, Orlando, FL.
105. Ramirez, M., & **Wu, S.** (2012, May). *Long-term cost-effectiveness of treating depression for diabetes patients.* Industrial and Systems Engineering Research Conference, Orlando, FL.
106. Liu, P., & **Wu, S.** (2012, May). *An agent-based simulation model to study accountable care organizations.* Industrial and Systems Engineering Research Conference, Orlando, FL.
107. Hawkins, C., & **Wu, S.** (2012, May). *Framework for implementing best practice in military health.* Industrial and Systems Engineering Research Conference, Orlando, FL.
108. Vidyanti, I., & **Wu, S.** (2012, May). *Integrated simulation modeling for screening of diabetic retinopathy.* Industrial and Systems Engineering Research Conference, Orlando, FL.
109. Liu, P., & **Wu, S.** (2011, November). *An agent-based model approach to study accountable care organization.* INFORMS Annual Meeting, Charlotte, NC.
110. Vidyanti, I., & **Wu, S.** (2011, November). *Integrated simulation modeling for screening of diabetic retinopathy.* INFORMS Annual Meeting, Charlotte, NC.
111. 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.
112. 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.
113. **Wu, S.**, & Hawkins, C. (2010, November). *A survey of the unintended consequences of implementing health information technology.* INFORMS Annual Meeting, Austin, TX.
114. Palen, T., Koppel, R., & **Wu, S.** (2010, September). *Avoiding unintended consequences in HIT implementations.* Epic Systems Users's Group Meeting, Madison, WI.

115. **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.
116. **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.
117. **Wu, S.**, & Xie, Y. (2010, June). *Workflow study of electronic referral system*. Institute of Industrial Engineers Annual Research Conference, Cancun, Mexico.
118. **Wu, S.**, Shi, Y., Cohen, D., & Pearson, M. (2009, November). *Cost-effectiveness of physical activity interventions: Analysis from a systematic review*. 137<sup>th</sup> Annual Meeting of the American Public Health Association, Philadelphia, PA.
119. **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.
120. **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.
121. **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.
122. **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.
123. **Wu, S.** (2006, November). *Tools for efficient allocation of fall-prevention resources*. Gerontological Society of America Annual Scientific Meeting, Dallas, TX.
124. **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 Scientific Meeting, Orlando, FL.
125. **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 22<sup>nd</sup> Annual Research Meeting, Boston, MA.
126. **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.
127. **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.
128. **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)

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129. **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.
  130. **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.
  131. 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.
  132. **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 21<sup>th</sup> Annual Research Meeting, San Diego, CA.
  133. 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 21<sup>th</sup> Annual Research Meeting, San Diego, CA. (Selected as Most Outstanding Abstract)
  134. 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 21<sup>th</sup> Annual Research Meeting, San Diego, CA.
  135. 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 21<sup>th</sup> Annual Research Meeting, San Diego, CA.
  136. Cohen, D. A., **Wu, S.**, & Farley, T. A. (2003, November). *Maximizing the benefit: A tool to prioritize HIV prevention interventions using cost-effectiveness*. 131<sup>st</sup> Annual Meeting of the American Public Health Association, San Francisco, CA.
  137. 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.
  138. 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.
  139. 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 20<sup>th</sup> Annual Research Meeting, Nashville, TN.
  140. 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.
  141. 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*. 129<sup>th</sup> Annual Meeting of the American Public Health Association, Atlanta, GA.
  142. **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.
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143. **Wu, S.**, & Sainfort, F. (1998, October). *Relationships between physician job attitudes, encounter behaviors & patient outcomes*. INFORMS Annual Meeting, Seattle, WA.

### Poster Presentations

1. **Wu, S.**, Sun, Y., & Hur, K. (Accepted for presentation in 2025, January). *Decision-making and hesitancy in elective surgery: Exploring the Chinese American experience with chronic rhinosinusitis*. 29<sup>th</sup> Annual Conference of the Society for Social Work and Research (SSWR), Seattle, WA.
2. Sayegh, C.S., Tsui, J., **Wu, S.**, Belzer, M., & West, A.E. (Accepted for presentation in 2024, December). *Pre-implementation planning for a mobile health medication adherence intervention with adolescents and young adults with chronic health conditions and clinicians*. 17th Annual Conference on the Science of Dissemination and Implementation in Health, Arlington, VA.
3. Hur, K., Gao, J., Tam, B., Herrera, K., Parikh, N., Adili, A., Wilson, M., Rice, D., Wrobel, B., & **Wu, S.** (2024, May). Outcomes of shared decision-making among Chinese Americans with chronic rhinosinusitis. American Rhinologic Society COSM Meeting, Chicago, IL.
4. Sayegh, C.S., **Wu, S.**, Amanuel, E., Gebeyehu, S., MacDonell, K.K., Belzer, M., & West, A.E. (2024, April). Patient-engaged design of an adaptive mobile health medication adherence intervention prototype for adolescents and young adults. Society of Pediatric Psychology Annual Conference, New Orleans, LA.
5. **Wu, S.**, Wu, C. C., Nguyen, A., & Pérez Jolles, M. (2024, April). *Comparative effectiveness of higher-tier versus lower-tier second-line drugs in glycemic control for type 2 diabetes: A real-world evidence study from an FQHC*. USC Center for AI in Society ShowCAIS 2024, Los Angeles, CA.
6. Liu, R., Chi, I., & **Wu, S.** (2022, November). *A Latent Class Analysis of Stressors and Resources among Spousal Caregivers to Older Adults in the United States*. Gerontological Society of America Annual Scientific Meeting, Indianapolis, IN.
7. Liu, R., Chi, I., & **Wu, S.** (2022, November). *Predicting Care-Recipients' Wellbeing Based on Spousal Caregivers' Co-Occurring Stressors and Resources*. Gerontological Society of America Annual Scientific Meeting, Indianapolis, IN.
8. Tung, Y., Chi, I., & **Wu, S.** (2022, November). *Meaningful Activity Engagement and Well-Being Among Disabled Older Adults: The Moderated Role of Environment*. Gerontological Society of America Annual Scientific Meeting, Indianapolis, IN.
9. Yu, K., **Wu, S.**, Chi, I., (2022, January) *Living Environments and Social Isolation Among Older Adults: A Longitudinal Analysis By Racial and Income Groups*. 26<sup>th</sup> Annual Conference of the Society for Social Work and Research (SSWR), Washington, D.C. and Online.
10. Wu, C. C. & **Wu, S.** (2021, October). *Effectiveness of an mhealth intervention on glucose monitoring for older adults with diabetes in Taiwan: A clinical trial*. INFORMS 2021 Annual Meeting, Anaheim, CA. [Nominated as a finalist for Poster Competition]
11. Nguyen, A., Strickland, M., Wu, Y., Mu, Y., **Wu, S.**, Suen, S-c, & Matsushima, K. (2021, October). *Development of a user-friendly tool for massive blood transfusion prediction in trauma*. Society for Medical Decision Making 43<sup>rd</sup> Annual North America Meeting, Virtual. [Nominated as a finalist for the Lee B. Lusted Student Prize Competition]
12. Strickland, M., Nguyen, A., **Wu, S.**, Suen, S-C., Mu, Y., Shin, B., Kalakuntla, T., & Matsushima, K. (2021, September 29-October 02). *Assessment of machine learning methods to predict*

- massive blood transfusion in trauma*. American Association for the Surgery of Trauma 80th Annual Meeting, Atlanta, GA.
13. **Wu, S.**, Puri, P., Tung, Y-H., & Mills, M. (2021, January). *Acceptance and efficacy of a mobile platform in delivering psychotherapy and counseling to college students: A pilot study*. Society for Social Work and Research 25th Annual Conference, Online.
  14. Yu, K., **Wu, S.**, & Chi, I. (2020). *Longitudinal assessment of geriatric conditions and loneliness*. American Public Health Association Annual Meeting, Online.
  15. **Wu, S.**, Foster, K., Ramirez, M., Jin, H., & Joe, E. (2020, November). *How well do videos on YouTube meet information needs of ADRD family caregivers? A qualitative analysis*. Gerontological Society of America Annual Scientific Meeting, Online.
  16. Ramirez, M., De Anda, S., Jin, H., Herrera, J., & **Wu, S.** (2020, November). *Information seeking behavior of Latino family caregivers of people with Alzheimer's disease and related dementias*. Gerontological Society of America Annual Scientific Meeting, Online.
  17. Liu, M., Jiang, T., Yu, K., **Wu, S.**, Jordan-Marsh M., & Chi, I. (2020, November). *Care Me Too: A mobile app for engaging Chinese immigrant caregivers in self-care and its user-experience testing*. Gerontological Society of America Annual Scientific Meeting, Online.
  18. Chen, M-L., Lee, P-j, & **Wu, S.** (2020, March). *Factors influencing mobile app engagements for self-management in older adults with type 2 diabetes*. Southern Nursing Research Society (SNRS) 34<sup>th</sup> Annual Conference, New Orleans, LA.
  19. Foster, K. & **Wu, S.** (2019, April). *Are there adequate YouTube video resources for informal caregivers of Alzheimer's disease and other dementia?* 21<sup>st</sup> Annual Undergraduate Symposium for Scholarly and Creative Work, University of Southern California, Los Angeles, CA.
  20. Vang, J., **Wu, S.**, & Liu, R. (2019, April). *A systematic review of advance care planning among cancer patients*. 21<sup>st</sup> Annual Undergraduate Symposium for Scholarly and Creative Work, University of Southern California, Los Angeles, CA.
  21. Yu, K., **Wu, S.**, & Chi, I. (2019, January). *A scoping review of risk and protective factors of social isolation and loneliness among older adults*. 23rd Annual Conference of the Society for Social Work and Research (SSWR), San Francisco, CA.
  22. Evanson, O. & **Wu, S.** (2018, June). *Comparison of patient satisfaction with telehealth vs automated remote monitoring for comorbid depression care management among low-income patients with type 2 diabetes: Results from a comparative effectiveness trial*. AcademyHealth Annual Research Meeting, Seattle, WA.
  23. Evanson, O. & **Wu, S.** (2018, April). *Comparison of patient satisfaction with telehealth vs automated remote monitoring for comorbid depression care management among low-income patients with type 2 diabetes: Results from a comparative effectiveness trial*. mHealth Collaboratory Symposium, University of Southern California, Los Angeles, CA.
  24. Yu, K., **Wu, S.**, Chi, I. Hsiao, H-Y., & Lee, P-J. (2017, July). *Longitudinal effects of an Intergenerational Mobile Technology Program on older diabetes patients*. International Association of Gerontology and Geriatrics World Congress, San Francisco, CA.
  25. Jin, H., & **Wu, S.** (2016, December). *Development of simple risk prediction algorithms to forecast future depression and other health conditions in currently nondepressed primary care patients using machine learning*. 9th Annual Conference on the Science of Dissemination and Implementation, Washington DC.

26. 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.
27. 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.
28. Jin, H., **Wu, S.**, & Di Capua, P. (2015, June). *Depression among patients with diabetes: developing a screening policy based on clinical forecasting.* AcademyHealth Annual Research Meeting, Minneapolis, MN.
29. 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.
30. 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.
31. 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.
32. 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.
33. 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 30<sup>th</sup> Annual Research Meeting, Baltimore, Baltimore, MD.
34. **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.
35. Hawkins, C., & **Wu, S.** (2012, July). *Framework for implementing best practice for CLABSII reduction.* Improvement Science Summit, Summer Institutes on Evidence-Based Quality Improvement, San Antonio, TX.
36. **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 29<sup>th</sup> Annual Research Meeting, Orlando, FL.
37. **Wu, S.**, Liu, L., & Belson, D. (2011, June). *Apply lean principles to improve hospital congestive heart failure care.* AcademyHealth 28<sup>th</sup> Annual Research Meeting, Seattle, WA.
38. **Wu, S.**, Liu, L., & Belson, D. (2011, June). *Lean implementation and organizational capacity for change.* AcademyHealth 28<sup>th</sup> Annual Research Meeting, Seattle, WA, June 10-13, 2011.



39. Vidyanti, I., & **Wu, S.** (2011, June). *Modeling noncompliance of diabetic retinopathy screening for evaluation of health clinics locations in California*. AcademyHealth 28<sup>th</sup> Annual Research Meeting, Seattle, WA.
40. 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.
41. Xie, Y., & **Wu, S.** (2011, February). *Assessing business case of an electronic referral system*. Society for Health Systems Conference and Expo, Orlando, FL.
42. 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.
43. 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.
44. **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 26<sup>th</sup> Annual Research Meeting, Chicago, IL.
45. **Wu, S.**, Pearson, M. L., Smith, L., Behal, R., Cerese, J., & Cuny, J. (2009, June). *Implementing process redesign strategies for improving hospital care*. AcademyHealth 26<sup>th</sup> Annual Research Meeting, Chicago, IL.
46. 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 25<sup>th</sup> Annual Research Meeting, Washington, Washington, DC.
47. 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 22<sup>nd</sup> Annual Research Meeting, Boston, MA.
48. **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 22<sup>nd</sup> Annual Research Meeting, Boston, MA.
49. **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 26<sup>th</sup> Annual Meeting, Atlanta, GA.
50. **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.
51. 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 21<sup>th</sup> Annual Research Meeting, San Diego, CA.
52. **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 6<sup>th</sup> Conference on AIDS Research in California, Los Angeles, CA.

53. **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 6<sup>th</sup> Conference on AIDS Research in California, Los Angeles, CA.
54. **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 25<sup>th</sup> Annual Meeting, Chicago, IL.
55. **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.** (2024, scheduled in November). Harnessing Technology for Social Justice: Innovating Social Work in the Digital Age. Keynote Speech in “Harnessing Technology for Social Justice: Innovating Social Work in the Digital Age” International Conference held by National Taiwan University, Taipei, Taiwan.
2. **Wu, S.** (2024, June). Leveraging Collaborative Models, Technology, and Data Analytics to Improve Health Outcomes for Disadvantaged Populations and Older Adults. Presentation in Faculty of Social Sciences, Lingnan University, Hong Kong SAR, China.
3. **Wu, S.** (2023, December). Exploring Transportation Justice: The Driving Force of Health and Equity. Presentation at the Department of Transportation and Logistics Management, College of Management, National Cheng Kung University, Tainan, Taiwan.
4. **Wu, S.** (2023, July). The Rise of Artificial Intelligence in Social Work Applications. Presentation in the AI and ICT in Social Work: Early Applications and Development Opportunities Workshop hosted by Department of Social Work, National Taiwan University and Taiwan Association of Forensic Social Work, Taipei, Taiwan
5. **Wu, S.** (2023, July). How Information and Communication Technology Can Aid in Advancing Social Work. Presentation in the AI and ICT in Social Work: Early Applications and Development Opportunities Workshop hosted by Department of Social Work, National Taiwan University and Taiwan Association of Forensic Social Work.
6. **Wu, S.** (2023, June). Using Principles of Health Systems Engineering to Address Health Equity. Presentation in 2023 Annual DESCIPHER Symposium in the theme of “Healthcare Delivery Science: Innovation and Partnerships for Health Equity Research” by Center for Healthcare Delivery Science, Southern California Clinical and Translational Science Institute, University of Southern California, Los Angeles, CA.
7. **Wu, S.** (2023, June). Engineering a Better Healthcare System: What ISE Can Contribute. Presentation in Webinar “Why Industrial Engineers Should Consider the Healthcare Industry?” by Institute of Industrial and Systems Engineers, <https://www.iise.org/Home/>.
8. **Wu, S.** (2020, October). Using Mobile Apps to Manage Chronic Conditions: Challenges and Opportunities. Presentation in Webinar Series of Technology & Aging by Sunnyvale Aging 2.0 Chapters and Rotary Club of Sunnyvale, Sunnyvale, CA.
9. **Wu, S.** (2020, March). Human-centered Design: Principles, Methods, and Examples. Presentation in Research Salon of Suzanne Dworak-Peck School of Social Work, University of Southern California, Los Angeles, CA.

10. **Wu, S.** (2019, December). Engagement and Effectiveness of Using a Mobile App for Tracking Diabetes Self-management among Older Adults. Presentation in School of Business at Monash University Malaysia, Kuala Lumpur, Malaysia.
11. **Wu, S.** (2019, May). How IMTOP Use Mobile Health Technology to Help Older Adults with Diabetes to Improve Diabetes Self-Management. Presentation in Law School of Qingdao University of Science and Technology, Qingdao, China.
12. **Wu, S.** (2019, April). Engineering + Social Work: Convergent Research and Innovation to Address Grand Challenges. Invited Plenary Presentation at the Annual Conference of GADE, Group for Advancement of Doctoral Education, Los Angeles, CA.
13. **Wu, S.** (2018, December). mHealth Technology and Healthy Aging: Analysis of Effective Engagement in Diabetes Self-Management. Presentation in Chung Yuan Christian University, Chung Li, Taiwan.
14. **Wu, S.** (2018, June). Engineering A Better System for Comorbid Depression Care Management among Low-income Type 2 Diabetes Patients. Presentation in Southern California Dissemination and Implementation Symposium, Los Angeles, CA.
15. **Wu, S.** & Belson, D. (2018, June). Introduction to Health Systems Engineering: Applying Engineering Design and Analysis Principles to Improve Health System Quality and Performance. Presentation in the Kaiser Permanente Southern California, Los Angeles, CA.
16. **Wu, S.** (2018, April). Using Mobile Apps and Intergenerational Learning Support to Help Older Adults Improve Diabetes Self-management. Featured Speaker in USC mHealth Collaboratory: Inaugural Mobile/Connected Health Symposium, Los Angeles, CA.
17. **Wu, S.** (2018, March). Using Mobile Apps and Intergenerational Support to Help Older Adults Improve Diabetes Self-management. Presentation in Central Health Plan, Los Angeles, CA.
18. **Wu, S.** (2017, April) Harnessing Technology to Enhance Population Health and Reduce Disparities. Presentation in USC Grand Challenges to Harness Technology for Social Good Conference, Los Angeles, CA.
19. **Wu, S.** (2016, October). Ethical Considerations for Population Health Management. Presentation in USC Center for Interdisciplinary Decisions and Ethics (DECIDE) Fall Symposium: Next Generation Ethics, Los Angeles, CA.
20. **Wu, S.** (2016, May). Two Studies of Technology and Health: 1) Diabetes-depression Care-management Adoption Technology to Accelerate Adoption of Collaborative Team Care Model and 2) Intergenerational Mobile Technology Opportunities Program for Managing Chronic Diseases among Older Adults. Presentation in Apple Technology Company, Cupertino, CA.
21. **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.
22. **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.
23. **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.

24. **Wu, S.** & Alibrahim, A. (2014, October). An agent-based system model to study accountable care organizations. RAND Corporation, Santa Monica, CA.
25. **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.
26. **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.
27. **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.
28. **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.hsrp.research.va.gov/for\\_researchers/cyber\\_seminars/archives/739-notes.pdf](http://www.hsrp.research.va.gov/for_researchers/cyber_seminars/archives/739-notes.pdf)
29. **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.
30. **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.
31. **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.
32. **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.
33. **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.
34. **Wu, S.** (2007, December). The chronic care model: Better care approach for the 21<sup>st</sup> century. Presentation at workshop on Quality of Care, Tainan Union of Nurses Association & Tainan Hospital, Department of Health, Executive Yuan, Tainan, Taiwan.
35. **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.
36. **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.
37. **Wu, S.** (2007, October). The chronic care model: Better care approach for the 21<sup>st</sup> century. Presentation to Epstein Department of Industrial and Systems Engineering, University of Southern California, Los Angeles, CA.

38. **Wu, S.** (2007, September). The chronic care model: Better care approach for the 21<sup>st</sup> century. Presentation at the annual leadership conference of California Medical Association, Los Angeles, CA.
39. **Wu, S.** (2007, June). The chronic care model: Better care approach for the 21<sup>st</sup> century. Presentation at Chinese Hospital Association Leadership Program, organized by the Anderson Executive Education Programs, University of California at Los Angeles, Los Angeles, CA.
40. **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,
41. **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.
42. **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.
43. **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.
44. **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.
45. **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.
46. **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.
47. **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.
48. **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.
49. **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.
50. **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.
51. **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.

52. **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.
53. **Wu, S.** (2002, December). Cost-effectiveness in HIV prevention planning. Presentation to Center for HIV Identification, Prevention and Treatment Services, University of California, Los Angeles, CA.
54. **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.
55. **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.
56. **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.
57. **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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Tomar, R. H., Sainfort, F., **Wu, S.**, & Lee, S. (1997, March). *Cost effectiveness analysis of glucose test for type 1 diabetes: Simulation Model for IDDM Progression and Outcome Assessment*. Computer file. United States Copyright TXU 798-127.

## JOURNAL REVIEWS

<i>Frontiers in Digital Health</i> .....	<b>2024–present</b>
<i>Journal of Gerontology: Social Sciences</i> .....	<b>2024–present</b>
<i>Medical Decision Making</i> .....	<b>2024–present</b>
<i>JMIR Human Factors</i> .....	<b>2022–present</b>
<i>NPJ Digital Medicine</i> .....	<b>2019–present</b>
<i>Asia Pacific Management Review</i> (Editorial Board Member) .....	<b>2019–present</b>
<i>Journal of Medical Internet Research</i> .....	<b>2016–present</b>
<i>Preventive Medicine</i> .....	<b>2016–present</b>
<i>BMJ Open</i> .....	<b>2016–present</b>
<i>Home Health Services Quarterly</i> .....	<b>2015–present</b>
<i>Computers and Operations Research</i> .....	<b>2015–present</b>
<i>Methods of Information in Medicine</i> .....	<b>2014–present</b>
<i>BMC Family Practice</i> .....	<b>2013–present</b>
<i>PLOS ONE</i> .....	<b>2013–present</b>
<i>Health Information Management Journal</i> .....	<b>2012–present</b>
<i>Annals of Operations Research</i> .....	<b>2010–present</b>

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<i>Journal of Healthcare Engineering</i> .....	<b>2009–present</b>
<i>Journal of General Internal Medicine</i> .....	<b>2006–present</b>
<i>Health Affairs</i> .....	<b>2006–present</b>
<i>Joint Commission Journal on Quality and Patient Safety</i> .....	<b>2005–present</b>
<i>Medical Care</i> .....	<b>2004–present</b>
<i>Health Services Research</i> .....	<b>2003–present</b>

### **PROPOSAL REVIEWS**

National Science Foundation Reviewer for Graduate Research Fellowship Program (GRFP), 2021, 2023

Southern California Clinical and Translational Science Institute Reviewer, 2021 (Safety Net Innovation Award program)

National Science Foundation Reviewer for Service Enterprise Systems, 2008, 2010, 2011

Florida Department of Health Reviewer, 2020, 2021

Pennsylvania Department of Health Reviewer, 2016, 2019, 2020

Southern California Clinical and Translational Science Institute Reviewer, 2018-2019

Physical Activity Research Center Reviewer, 2017

United States Institute of Peace Research Reviewer 2011

Robert Wood Johnson Foundation Reviewer, 2010

### **BOOK AND REPORT REVIEWS**

Tobin, J. N., Weiss, E., Cassells A., Xue, X., Lin, T., Carrozzi, G., Maling, A., Barsanti, F., Morales, A., Espejo, M., Casiano, L., O’Hara-Cicero, E., Weed, J., Gilbert, E., & Dietrich, A. (2018).

Collaborative Care to Reduce Depression and Increase Cancer Screening Among Low-Income Urban Women Project - Prevention Care Management 3 (PCM 3) Project. Patient-Centered Outcomes Research Institute (PCORI).

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.

Silbergliitt, 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

Associate Editor of *Frontiers in Digital Health* (JIF 3.2 / CiteScore 4.2), September 2024 – Present

Reviewer for the 2024 Society for Medical Decision Making Annual Meeting abstract submissions

Reviewer for the 2023 Institute of Industrial and Systems Engineers Annual Conference and Expo abstract submissions

Reviewer for the 2023 AcademyHealth Annual Research Meeting abstract submissions

Reviewer for the American Medical Informatics Association Annual Symposium submissions, 2019, 2020, 2021, 2022

Task Force Member, County of Los Angeles Open Data 2.0 Task Force, Los Angeles, CA, October 2020 – Present

Review Editor on the Editorial Board of Human Factors and Digital Health, specialty section of *Frontiers in Digital Health*, December 2020 – Present

Consultant, Health-Entrepreneurs Inc., a startup company to provide an intelligence-based online diabetes treatment management service, July 2020 – Present.

Scientific faculty mentor, Safety Net Care Delivery Science Initiative, Southern California Clinical and Translational Science Institute, Los Angeles, CA, May 2020 – Present.

Faculty member, Telehealth Foundations Course, Center for Interprofessional Studies and Innovation, MGH Institute of Health Professions, Boston, MA, January – April 2020.

Mentor, Interdisciplinary Aging Research to Address Health Disparities in Alzheimer's Disease and Related Dementias: A Scientific Training Program, Los Angeles, CA, October 2019 – Present.

Editorial Board Member of *Asia Pacific Management Review*, 2019 – Present.

Consultant, OOtify Inc., a company to build an online mental health community, July 2019 – Present.

Panelist for the theme of AI in Quality and Patient Safety, 2nd International Conference on AI in Healthcare (ICAIH), Alhambra, CA, July 19-21, 2019.

International Expert for the 3-day workshop of "Intergenerational Mobile Technology Opportunities Program (IMTOP)" in Department of Social Work, School of Public Affairs, Nanjing University of Science and Technology, Nanjing, China, May 23-25, 2019.

Panelist for the Group for the Advancement of Doctoral Education in Social Work (GADE) 2019 Annual Conference. Presented *Engineering + Social Work: Convergent Research and Innovation to Address Grand Challenges*, Los Angeles, CA, April 3-5, 2019.

Reviewer for Patient-Centered Outcomes Research Institute, 2018.

Track Program Committee (TPC) for the Healthcare Applications track of the Winter Simulation Conference, Arlington, Virginia (Washington, D.C.), 2016, 2018.

Tenure and Promotion External Review, University of California at Berkeley School of Social Work and Virginia Commonwealth University Department of Health Administration, 2017.

Society for Social Work and Research, Board of Directors Nomination Committee, 2017.

Invited panelist for the New Faculty Colloquium "Tales from the Tenure Earning Years", Institute of Industrial and Systems Engineers, Anaheim, CA, May 21, 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 9<sup>th</sup>, 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 21<sup>st</sup> and 22<sup>nd</sup>, 2009.

## **INSTITUTIONAL SERVICES**

### **University Services, University of Southern California**

Faculty member of Healthcare Delivery Science Institute, The Southern California Clinical and Translational Science Institute (SC CTSI) (June 2022–present)

Member, USC Precision Health Initiative “Clinical Enterprise Implementation” Working Group (July 2022–2023)

Member, Faculty Advisory Committee (FAC) for USC Stevens Center for Innovation (July 2021–June 2022)

Southern California Clinical and Translational Science Institute Reviewer (Safety Net Innovation Award program, 2021)

Reviewer, USC Zumberge Diversity and Inclusion Grant (Spring 2021)

Reviewer, USC Zumberge Epidemic & Virus Related Research and Development Grant (Summer 2020)

Review Committee, USC Mentoring Award in the category of Faculty Mentoring Graduate Students (Spring 2019)

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

Associate Director, Center for Artificial Intelligence in Society (October 2016–2017)

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)

### **Suzanne Dworak-Peck School of Social Work, University of Southern California**

Member, Curriculum Council (May 2024–present)

Committee Member, Faculty Committee on Appointments and Promotions (FCAP) (September 2023–present)

Committee Member, Doctor of Philosophy Program Committee (April 2014–present)

Committee Member, Doctor of Philosophy Program Committee Financial Subcommittee (April 2023–present)

Panelist, Collaborative Intelligence: Creating Human-Centered Technology for Social Good, an Interdisciplinary Panel Webinar hosted by Suzanne Dworak-Peck School of Social Work (March 21, 2024)

Organizer, We-Care Initiative Event, Talk Titled “Sleep and Health: How Sleep Medicine and Technology Can Enhance Well-Being and Quality of Life” by Rayleigh Ping-Ying Chiang, MD, MMS (October 17, 2023)

Committee Member, Doctor of Social Work Capstone Committees (August 2020–Present)

Committee Member, Doctor of Philosophy Program Committee Self-Study Subcommittee (October 2019–May 2020)

Committee Member, Annual Performance Review Committee (2017-2019, 2021-2022, 2023-2024)

Committee Member, Doctor of Social Work Curriculum Committee (August 2019–Present)

Committee Member, Research Council (October 2018–May 2020)

Reviewer for Master of Social Work Applications (August 2018-December 2018):

Committee Member, AMHW Diversity and Inclusion Committee (August 2017–May 2018)

Committee Member, AMHW Search Committee Representative (August 2015–May 2016)

Committee Member, AMHW Faculty Affair Committee (August 2015–May 2016)

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

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)

### **Viterbi School of Engineering, University of Southern California**

Faculty Host for a student participated in the Summer Undergraduate Research Experience Program (June-July, 2024)

Faculty Host for two high school students participated in the Engineering Summer Program at USC (June-July, 2021)

Faculty Host for two Viterbi Summer Institute participants to enhance the transition to USC for engineering students from underrepresented backgrounds (July–August 2019)

Faculty Mentor for a student at the IUSSTF-Viterbi Summer Research Program (May–July 2019)

Organized a delegation to be the featured university at the 2<sup>nd</sup> World Renowned University Week at Chung Yuan Christian University, Chungli, Taiwan (December 2018)

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)

Faculty Host for two high school teachers participated in the Societally Relevant Engineering Technologies-Research Experience for Teachers (SRET-RET) program (June–August, 2012)

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

Committee Member, Undergraduate Curriculum Committee (August 2021–Present)

Committee Member, Master Program in Health Systems Management Engineering (September 2019–Present)

Committee Member, Search Committee for Program Director for Health Systems Management Engineering Master Degree (May – June, 2020)

Committee Member, 4-Unit Conversion of Undergraduate and Graduate Courses (August 2021–May 2022)

Invited and arranged Dr. David Bates of Harvard Medical School to be the 2020 Rehtin Lecture speaker (February 2020)

Committee Member, Lecturer Promotion Committee (2019–2022)

Committee Member, Undergraduate Curriculum for ISE 440 Work, Technology and Organization (October 2020 – December 2020)

Invited and arranged Dr. David Bates of Harvard Medical School to be the 2020 Rehtin Lecture speaker

Committee Member, Master in Healthcare Systems Engineering (September 2019–Present)

Committee Member, Lecturer Promotion Committee (April 2019–Present)

Participated in the National Science Foundation proposal submission for an Engineering Research Center for **EM**powering **P**eople to achieve **O**ptimal **W**ell-being through **E**ngineering **R**esearch (**EMPOWER**) (January – April 2019)

Committee Chair, Academic Integrity Special Committee (February 2016–June 2016)

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

American Public Health Association

Society for Medical Decision Making

AcademyHealth

## **MEDIA APPERANCES**

1. USC Viterbi School of Engineering News. (2023, August 1). Computer Science Student Wins Award for Diabetic Eating Disorder Research.  
<https://viterbischool.usc.edu/news/2023/08/computer-science-student-wins-award-for-diabetic-eating-disorder-research/>
2. USC Libraries News. (2023, April 19). Six USC Undergrads Win USC Libraries Research Award.  
<https://libraries.usc.edu/article/six-usc-undergrads-win-usc-libraries-research-award>

3. USC Suzanne Dworak-Peck School of Social Work News. (2018, November 21). New USC Research Highlights the Importance of Health Literacy Among Alzheimer's Caregivers in Latino Communities. <https://dworakpeck.usc.edu/news/new-usc-research-highlights-the-importance-of-health-literacy-among-alzheimers-caregivers>
4. USC Suzanne Dworak-Peck School of Social Work News. (2016, November 21). Alzheimer's projections for U.S. Latino population indicates intensifying public health crisis. <https://dworakpeck.usc.edu/news/alzheimers-projections-for-us-latino-population-indicates-intensifying-public-health-crisis>
5. USC News. (2018, June 21). Seniors will soon outnumber children, but the U.S. isn't ready. <https://today.usc.edu/aging-u-s-population-unique-health-challenges/>
6. Radio Golden Vintage, China. (2018, January 1). Technology and Chronic Disease Management.
7. Gates Notes. (2017, November 13). Why I am digging deep into Alzheimer's. <https://www.gatesnotes.com/Digging-Deep-Into-Alzheimers#:~:text=My%20family%20history%20isn't,held%20in%20check%20with%20medication.>
8. Lead author of report *Latinos & Alzheimer's Disease: New Numbers Behind the Crisis*, which was picked up by 350+ outlets including NBC News, CNN en Español, Fox News Latino, California Healthline, KPCC, La Opinión, and Univision in September 2016.
9. USC News. (2016, September 21). New report underscores urgent need for investments in Alzheimer's research for U.S. Latinos. <https://today.usc.edu/new-report-underscores-urgent-need-for-investments-in-alzheimers-research-for-u-s-latinos/>
10. USC News. (2016, August 31). Artificial intelligence: Are we facing a future of robots running wild? <https://today.usc.edu/artificial-intelligence-for-a-better-tomorrow/>
11. USC News. (2016, May 4). Technology helps adults in Taiwan improve management of diabetes. <https://today.usc.edu/technology-helps-adults-in-taiwan-improve-management-of-diabetes/>
12. DaAi Television, Taiwan. (2015, December 30). Cross-disciplinary cooperation for research and development of a mobile app for diabetes patients.
13. USC News. (2014, November 18). Gift will help older adults bridge the digital divide. <https://sites.usc.edu/families/2014/11/18/gift-will-help-older-adults-bridge-the-digital-divide/>
14. USC News. (2014, June 12). Social work and engineering join forces to solve societal woes. <https://roybal.usc.edu/news/social-work-engineering/>
15. USC News. (2014, April 4). She engineers a new path to social work. <https://roybal.usc.edu/news/wu-engineer-to-socialwork/>
16. USC News. (2011, October 17). Cost-effective ways to promote exercise.