

Lynn (Pei-Lin) Huang

lynnhuang.peilin@gmail.com | [LinkedIn](#)

EDUCATION

University of Maryland, Baltimore, Baltimore, MD 2022-Present
PhD, Pharmaceutical Health Services Research (*Concentration: Pharmacoeconomics*)
Johns Hopkins University, Baltimore, MD 2019-2020
MHS, Health Economics and Outcomes Research
Taipei Medical University, Taipei, Taiwan 2013-2018
BS, Nutrition and Health Science
Certificate in Health Technology Assessment

EXPERIENCE

Research Data Analyst, Department of Pharmaceutical Outcomes & Policy, 2020-2022
University of Florida College of Pharmacy, Gainesville, FL

- Manipulated state-wide electronic health records (EHRs) to build the machine learning opioid overdose prediction and risk stratification platform
- Performed survival analyses with Medicare administrative claims data to investigate effects of extended use of anticoagulants on the risk of recurrent venous thromboembolism and major bleeding events
- Collected survey data and conducted qualitative analyses to assess providers' attitudes and practices to treating HCV-infected patients with substance use disorder and/or HIV co-infection
- Evaluated the impact of direct-acting antivirals on incidence of hepatocellular carcinoma (HCC) and mortality among Medicaid beneficiaries with HCV
- Conducted literature reviews with Covidence on opioid and benzodiazepine deprescription protocols

Research Assistant, Department of Health Policy and Management, Johns 2019-2020
Hopkins Bloomberg School of Public Health, Baltimore, MD

- Manipulated Truven MarketScan dataset to identify tibia fracture patients based on ICD-9/10, CPT codes
- Established the methodology to determine utilization and recurrent costs of in-home intravenous antibiotics treatment based on over 600,000 claims
- Performed regression analysis to identify the risk factors of post-op wound infections

Marketing Specialist, Oncology Business Unit, EMD Serono, Taiwan 2017-2019

- Launched oncology product in major medical centers by generating health

technology assessment (HTA) dossiers with Market Access department

- Generated scientific contents of disease landscapes and latest treatments

Research Assistant, College of Pharmacy, Taipei Medical University, 2017
Taiwan

- Conducted statistical analyses on survey data to identify deficits in patients' knowledge, satisfaction and concerns of warfarin therapy among Asian population

Dietetic Intern, Department of Dietetics, Hualien Armed Forces General Hospital, Taiwan 2017

- Implemented nutritional intervention plans for ICU and psychiatric patients
- Promoted health behaviors with public presentations on nutritional instructions

Biomedical Accelerator Intern, Foxconn Health Technology Business Group, Taiwan 2016

- Developed content for brand marketing and managed media partnerships
- Managed communications with stakeholders and international biomedical leaders

JOURNAL ARTICLES

- Kang HR, Jones BL, Lo-Ciganic WH, DeRemer CE, Dietrich EA, **Huang PL**, Wilson DL, Park H. Trajectories of adherence to extended treatment with direct oral anticoagulants and risks of recurrent venous thromboembolism and major bleeding. J Manag Care Spec Pharm. 2023;29(11):1219-1230. doi: 10.18553/jmcp.2023.29.11.1219
- Kang HR, Dietrich EA, **Huang PL**, Lo-Ciganic WH, DeRemer CE, Park H. Comparative effectiveness and safety of direct oral anticoagulants versus warfarin among patients with recurrent venous thromboembolism. Clin Transl Sci. 2023; 00: 1- 9. doi:10.1111/cts.13510
- Park H, Brown C, Wilson DL, **Huang PL**, Hernández-Con P, Horne P, Goodin A, Joseph A, Segal R, Cabrera R, Cook RL. Clinician barriers, perceptions, and practices in treating patients with hepatitis C virus and substance use disorder in the United States. Prev Med Rep. 2023 Feb 13;32:102138. doi: 10.1016/j.pmedr.2023.102138.
- Park H, Jones BL, **Huang PL**, Kang HR, Dietrich EA, DeRemer CE, Lo-Ciganic WH. Trajectories of Oral Anticoagulation Adherence and Associated Clinical Outcomes During Long-Term Anticoagulation Among Medicare Beneficiaries With Venous Thromboembolism. Ann Pharmacother. 2023 Mar 31:10600280231155489. doi: 10.1177/10600280231155489.
- Wang Y, Wilson DL, Fernandes D, Adkins LE, Bantad A, Copacia C, Dharma N, **Huang PL**, Joseph A, Park TW, Budd J, Meenrajan S, Orlando FA, Pennington J, Schmidt S, Shorr R, Uphold CR, Lo-Ciganic WH. Deprescribing Strategies for Opioids and Benzodiazepines with Emphasis on Concurrent Use: A Scoping Review. J Clin Med. 2023 Feb 23;12(5):1788. doi: 10.3390/jcm12051788.

- Lo-Ciganic WH, Hincapie-Castillo J, Wang T, Ge Y, Jones BL, Huang JL, Chang CY, Wilson DL, Lee JK, Reisfield GM, Kwok CK, Delcher C, Nguyen KA, Zhou L, Shorr RI, Guo J, Marcum ZA, Harle CA, Park H, Winterstein A, Yang S, **Huang PL**, Adkins L, Gellad WF. Dosing profiles of concurrent opioid and benzodiazepine use associated with overdose risk among US Medicare beneficiaries: Group-based multi-trajectory models. *Addiction*. 2022 Jul;117(7):1982-1997. doi: 10.1111/add.15857.
- Kang HR, Lo-Ciganic WH, DeRemer CE, Dietrich EA, **Huang PL**, Park H. Effectiveness and safety of extended oral anticoagulant therapy in patients with venous thromboembolism: a retrospective cohort study. *Clin Pharmacol Ther*. 2022 Jul;112(1):133-145. doi: 10.1002/cpt.2611
- Park H, Kang HR, **Huang PL**, Lo-Ciganic WH, DeRemer CE, Wilson D, Dietrich EA. Comparative effectiveness and safety of extended anticoagulant therapy among Medicare beneficiaries with venous thromboembolism. *Clin Transl Sci*. 2023 Jan;16(1):128-139. doi: 10.1111/cts.13433
- DeRemer CE, Dietrich EA, Kang HR, **Huang PL**, Lo-Ciganic WH, Park H. Comparison of effectiveness and safety for low versus full dose of apixaban during extended oral anticoagulation in patients with venous thromboembolism. *J Intern Med*. 2022 Jun;291(6):877-885. doi: 10.1111/joim.13462

POSTERS

- **Huang PL**, Fu YH, Kim HS, Zafari Z. "Exploring Health-Related Quality of Life in Individuals with Diabetes: Insights from Machine Learning Algorithms". International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Europe Conference. Nov 2025. Barcelona, Spain
- Kim HS, Fu YH, **Huang PL**, Zafari Z. "Enhancing Healthcare Expenditure Prediction in Diabetes: a Machine Learning Approach". International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Europe Conference. Nov 2025. Barcelona, Spain
- **Huang PL**, Chang SH, Cabrera R, Wilson D, Park H. "Effects of direct-acting antivirals on end-stage liver disease and mortality among Florida Medicaid beneficiaries with chronic hepatitis C". European Association for the Study of the Liver (EASL) Congress. Jun 2024. Milan, Italy
- **Huang PL**, Mysore MM, Barr B, Onukwugha E. "Relationships between Census Tract-Level Social Determinants of Health and Cardiovascular Care Among Individuals Diagnosed with Breast Cancer". International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Conference. May 2024. Atlanta, GA
- Huang S, Gellad WF, **Huang PL**, Bian J, Wu YH, Bao YH, Wilson DL, Wang HM, Oslin DW, Furmanchuk A, Kelly MB, Pathak J, Lo-Ciganic WH. "Development and Evaluation of a machine learning algorithm to predict the risk of suicide-related outcomes among patients prescribed opioid using Electronic Health Records Data: a prognostic modeling study". American Medical Informatics Association (AMIA) 2023 Annual Symposium. Nov 2023. New Orleans, LA

- Amill-Rosario A, **Huang PL**, Xie RZ, Chapman RH, Slejko JF, dosReis S. "A Discrete Choice Experiment to Assess Patient-Informed Preferences for Major Depressive Disorder Treatment By Depression Severity". International Society for Pharmacoeconomics and Outcomes Research (ISPOR) Conference. May 2023. Boston, MA
- Lo-Ciganic W, Hasan MM, **Huang PL**, Nguyen K, Wilson DL, Harle CW, Bian J, Wu Y, Weiss JC, Gordon AJ, Cochran G, Dilulio J, Militello L, Staras SAS, Vouri SM, Budd JT, Meenrajan SR, Orlando FA, Pennington JM, Schmidt S, Lewis M, Kuza CC, Gellad WF. Developing and evaluating of a machine-learning opioid overdose prediction and risk stratification e-tool (DEMONSTRATE). 2023 AMIA Informatic Summit. Mar 2023, Seattle, WA, USA.
- Yang S, Chang CY, Hincapie-Castillo J, Gellad WF, Jones B, Lee J, Huang J, Wilson D, Reisfield G, Kwoh, C, Nguyen K, Delcher C, Harle C, Ge Y, Shorr R, **Huang PL**, Adkins L, Lo-Ciganic W. "Trajectories of concurrent opioid and benzodiazepine use and associated opioid overdose risk among arizona medicaid beneficiaries". International Society for Pharmacoepidemiology Annual Meeting. Aug 2022. Copenhagen, Denmark
- Fernandes DC, Wilson DL, Lili Zhou L, Tan TW, Kwoh K, Chang CY, **Huang PL**, Shorr R, Uphold C, Lo-Ciganic WH. "Racial and ethnic underserved US medicare populations associated with less prescription opioid use before and after lower extremity amputation". Florida Geriatrics Society Annual Meeting. Sep 2022. Fort Myers, FL.
- Kang HR, **Huang PL**, Dietrich EA, DeRemer CE, Lo-Ciganic WH, Park H. "Risk of second recurrent venous thromboembolism and major bleeding events among patients with extended anticoagulant treatment: a retrospective cohort study". International Society for Pharmacoepidemiology Annual Meeting. Aug 2022. Copenhagen, Denmark
- Park H, Kang HR, **Huang PL**, Lo-Ciganic WH, Dietrich EA, DeRemer CE. "Comparative effectiveness and safety of extended anticoagulant therapy among Medicare beneficiaries with venous thromboembolism". American Society of Hematology (ASH) Annual Meeting. Dec 2021. Atlanta, GA.
- Kang HR, Jones BL, Lo-Ciganic WH, DeRemer CE, Dietrich EA, **Huang PL**, Park H. "Adherence Trajectories of Extended Direct-Acting Oral Anticoagulants and Risk of Recurrent Venous Thromboembolism and Major Bleeding: A Retrospective Cohort Study". American Society of Hematology (ASH) Annual Meeting. Dec 2021. Atlanta, GA.
- Kang HR, Lo-Ciganic WH, DeRemer CE, Dietrich EA, **Huang PL**, Park H. "Effectiveness and safety of extended anticoagulation in patients with venous thromboembolism: a retrospective cohort study". International Society for Pharmacoepidemiology (ICPE) Annual Conference. Aug 2021. Virtual
- **Huang PL**, Levy J. "In-home IV Antibiotics Cost and Utilization Following Tibia Fractures". International Society for Pharmacoeconomics and Outcomes Research

(ISPOR) Conference. May 2021. Virtual

PROFESSIONAL SERVICE

University of Maryland, Baltimore ISPOR Student Chapter President	2024-Present
University of Maryland, Baltimore ISPOR Student Chapter President-Elect	2023-2024

AWARDS & HONORS

ISPOR Student Travel Award International Society of Pharmacoeconomics and Outcomes Research	2024
PHSR Student Travel Scholarship Department of Practice, Sciences, and Health Outcomes Research, University of Maryland Baltimore	2023

SKILLS

Programming Skills

SAS, R, Python, STATA, VBA, Microsoft Excel

Databases

Truven MarketScan Commercial Claims Database, IQVIA PharMetrics Plus for Academics database, SEER-Medicare, Medicare administrative claims data, OneFlorida Clinical Research Consortium (PCORnet Common Data Model EHRs), UF Health Integrated Data Repository (OMOP Common Data Model EHRs)