Tzu-Hsuan (Jessy) Yang

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EDUCATION

Boston University School of Public Health | Boston, MA, USA   May 2024
Master of Public Health, Epidemiology and Biostatistics (GPA: 3.89)
- Relevant Courses: Intermediate Statistical Computing and Applied Regression Analysis, Data Science and Statistical Modeling, Genomics Data Mining and Statistics, From Data to Dashboards, Drug Epidemiology, Health Economics
- Capstone: Effect of digoxin on mortality and hospitalization in patients with congestive heart failure

Taipei Medical University | Taipei, Taiwan   June 2016
Bachelor of Science, Public Health

TECHNICAL SKILLS AND CERTIFICATION

Programming: R, SAS, SQL, MS Excel
Certifications: SAS Certified Specialist: Base Programming Using SAS 9.4, perfect score 1000/1000
Data Analysis: Proficient in data manipulation and statistical modeling for continuous, categorical, longitudinal and count data, including linear regression, logistic regression, Poisson regression, survival analysis, and network meta-analysis
Clinical Research: Proficient in ICH/GCP Guidelines with extensive experience in CTMS and EDC systems

PUBLICATIONS

- **Tzu-Hsuan Yang**, Rebecca Persson, Zarena Jafry, et al. Risk of serious cardiovascular events among female users of osteoporosis treatments. International Society for Pharmacoepidemiology (ISPE) Annual Conference, Washington DC, August 2025 (In preparation)

- Hyo Jin Cho, **Tzu-Hsuan Yang**, Alexis Navarro, Margaret S Lee MD, PhD. Improving the parent experience when diagnosing vascular anomalies: a survey study. Society of Pediatric Dermatology Annual Conference, Toronto, Ontario, Canada, July 2024 (Presented)

RELEVANT EXPERIENCE

Research Intern   July 2024 – Present
Boston Collaborative Drug Surveillance Program | Lexington, MA, USA
- Use R to identify study populations within UK Clinical Practice Research Datalink (CPRD) Aurum Database and Hospital Episode Statistics (HES) data, prepare analysis-ready datasets, and perform descriptive and inferential statistical analyses to generate drug safety evidence
- Develop R functions to streamline dataset creation, conduct stratified analyses, and automate plotting, improving data workflow efficiency
- Collaborate with epidemiologists to define study exposures and outcomes through literature review, create corresponding Med code and ICD-10 code lists, and perform case review via patient profiles

Research Assistant, Division of Pediatric Dermatology   February 2024 – May 2024
Boston University School of Medicine | Boston, MA, USA
- Used SAS to clean, merge, extract, and prepare data; utilized SAS macros to optimize efficiency
- Conducted qualitative and quantitative analyses on survey data to assess patient diagnosing experience
- Collaborated with an interdisciplinary team to integrate actionable insights for clinicians

Clinical Research Intern   June 2023 – October 2023
Candela Medical | Marlborough, MA, USA
- Supported database development, data verification, and query management to uphold clinical trial data quality
- Used R to conduct data quality checks (range/logic checks) and generate weekly data reports
- Performed statistical analyses and literature review to evaluate the performance of company laser devices

Clinical Research Associate, Hematology and Metabolism/Endocrinology studies   March 2020 – September 2021
ICON plc | Taipei, Taiwan
- Employed risk-based monitoring strategies for source data verification to ensure data integrity
- *Received internal annual award for ownership and accountability* in identifying client system issues, proposing solutions, and facilitating collaborations with other stakeholders

Clinical Research Associate, Oncology studies   April 2017 – March 2020
Safe Save Medical Cell Sciences & Technology Co., Ltd | Hsinchu, Taiwan
- Performed literature review to inform study protocol and material development; managed RA/IRB submissions
- Carried out feasibility assessments, site initiation, and routine monitoring visits to maintain study compliance