

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

Taipei Medical University | Taipei, Taiwan

June 2016

Bachelor of Science, Public Health

- Health Educator, Epidemiology Social Service 2014

TECHNICAL SKILLS AND CERTIFICATION

- **Programming:** R, SAS, SQL, MS Excel
- **Data Management and Analysis:** Proficient in data manipulation and statistical analysis for parametric and nonparametric 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
- **Certificates:** SAS Certified Specialist: Base Programming, SAS Institute, perfect score of 1000/1000

RELEVANT EXPERIENCE

Boston Collaborative Drug Surveillance Program | Lexington, MA, USA

July 2024 – Present

Research Intern

Project: Treatments for osteoporosis and risk of cardiovascular outcomes among female patients in the United Kingdom

- Contributed to defining exposures and outcomes through literature review; validated Med codes and ICD-10 code lists using the UK Clinical Practice Research Datalink (CPRD) Aurum Database and Hospital Episode Statistics (HES) data
- Used R to prepare analysis-ready datasets through data transformation, variable reclassification, and table merging; performed descriptive statistics and Poisson regression analyses, adjusting for time-varying covariates to generate drug safety evidence
- Developed R functions and loops to streamline dataset creation, stratified analyses, and plotting for improved data workflow
- Manuscript and abstract in progress: 41st Annual Conference of International Society for Pharmacoepidemiology (ISPE)

Boston University School of Public Health | Boston, MA, USA

February 2024 – May 2024

Graduate Student Researcher, Department of Biostatistics

Project: Effect of digoxin on mortality and hospitalization in patients with congestive heart failure in sinus rhythm

- Used SAS to create analysis-ready datasets through data transformation, variable reclassification, formatting, and labeling
- Conducted survival analysis using log rank tests and Cox proportional-hazards models; utilized SAS macros to optimize stratified analyses for effect modification and applied the Kaplan–Meier method to estimate survival curves
- Authored the final report and presented results during the capstone presentation

Boston University School of Medicine | Boston, MA, USA

February 2024 – May 2024

Research Assistant, Division of Pediatric Dermatology

Project: Improving the Parent Experience when Diagnosing Vascular Anomalies: A Survey Study

- Used SAS to prepare analysis-ready datasets through variable reclassification, data cleaning, transformation, and reshaping
- Conducted qualitative and quantitative analyses using t-test, chi-square, and logistic regression; created SAS macros to enhance efficiency; constructed tables and figures to present data-driven findings
- Acted as co-first author in abstract development, collaborating with an interdisciplinary team to integrate data insights
- Poster presented: 49th Annual Conference of Society of Pediatric Dermatology

Candela Medical | Marlborough, MA, USA

June 2023 – October 2023

Clinical Research Intern, Clinical Affairs

- Supported database development, data entry, data verification, and query management to uphold clinical trial data quality
- Generated data reports and collaborated with cross-functional teams to facilitate remote monitoring visits
- Synthesized findings from literature reviews to evaluate the performance of company laser devices
- Applied Paired Wilcoxon Signed Rank tests to assess the safety and efficacy of the laser device in treating benign pigmented lesions and wrinkles; produced analysis report to support decision-making

ICON plc | Taipei, Taiwan

March 2020 – September 2021

Clinical Research Associate, Providing Services to Novo Nordisk, Hematology and Metabolism and Endocrinology studies

Clinical Trial Assistant, Providing Services to Bristol Myers Squibb, Oncology studies

- Employed risk-based monitoring strategies for source data verification, review, and query resolution 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

Safe Save Medical Cell Sciences & Technology Co., Ltd | Hsinchu, Taiwan

April 2017 – March 2020

Clinical Research Associate, Oncology studies

- Performed literature reviews to inform clinical trial protocol and study material development; managed RA/IRB submissions
- Carried out feasibility assessments, site initiation, and monitoring visits to maintain study compliance