

Jessy Yang

Brookline, MA, USA | jessyyth@bu.edu | (857)-272-6029 | www.linkedin.com/in/jessyyth | thyangjes.github.io

EDUCATION

Boston University School of Public Health | Boston, MA, USA
Master of Public Health, Epidemiology and Biostatistics

Graduation: May 2024
GPA: 3.89/4.00

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

Graduation: June 2016
GPA: 3.50/4.00

- Health Educator, Epidemiology Social Service 2014

TECHNICAL SKILLS AND CERTIFICATION

- **Programming:** R, SAS, SQL, Python, 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:** Over 4 years of experience collaborating with healthcare professionals (HCPs) on phase III clinical trials in the pharmaceutical/biotech industry; knowledgeable in ICH/GCP Guidelines
- **Certificates:** SAS Certified Specialist: Base Programming, *SAS Institute* – Feb 2024, 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 in preparation

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

February 2024 – May 2024

Graduate Student Researcher, Department of Biostatistics, Advisor: Prof. Howard J. Cabral

- **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, Advisor: Prof. Margaret S. Lee

- **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: Annual conference meeting 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
- Collaborated with cross-functional teams and generated data reports 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

- Employed risk-based monitoring strategies for source data verification, review, and query resolution to ensure data integrity
- Clinical Trial Assistant*, Providing Services to Bristol Myers Squibb, Oncology studies
- *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