

# Jessy Yang

Brookline, MA, USA | jessyyth@bu.edu | (857)-272-6029 | [www.linkedin.com/in/jessyyth](https://www.linkedin.com/in/jessyyth) | [thyangjes.github.io](https://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 methods
- **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  
*Research Intern*

July 2024 – Present

- **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
  - Prepared analysis-ready datasets in R through data transformation, variable reclassification, and table merging; conducted 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  
*Graduate Student Researcher*, Department of Biostatistics, Advisor: Prof. Howard J. Cabral

February 2024 – May 2024

- **Project:** Effect of digoxin on mortality and hospitalization in patients with congestive heart failure in sinus rhythm
  - Created analysis-ready datasets in SAS through data transformation, variable reclassification, formatting, and labeling
  - Executed 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  
*Research Assistant*, Division of Pediatric Dermatology, Advisor: Prof. Margaret S. Lee

February 2024 – May 2024

- **Project:** Improving the Parent Experience when Diagnosing Vascular Anomalies: A Survey Study
  - Prepared analysis-ready datasets in SAS through variable reclassification, data cleaning, transformation, and reshaping
  - Completed qualitative and quantitative analyses using t-test, chi-square, and logistic regression; created SAS to enhance efficiency; constructed tables and figures to present data-driven findings
  - Collaborated with an interdisciplinary team to integrate data insights into abstract development as a co-first author
  - Poster presented: Annual conference meeting of Society of Pediatric Dermatology

**Candela Medical** | Marlborough, MA, USA  
*Clinical Research Intern*, Clinical Affairs

June 2023 – October 2023

- 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

- Carried out site management through contract and budget negotiation, continuous communication, and site personnel training
- 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

- **Awards:** 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  
*Clinical Research Associate*, Oncology studies

April 2017 – March 2020

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