

Julia Whitman

BIostatistician & Data Scientist

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Education

Vanderbilt University

M.S. IN BIOSTATISTICS

Nashville, Tennessee

2024

Imperial College London

M.Sc. IN EPIDEMIOLOGY

London, England

2014

University of St Andrews

B.A. IN ENGLISH & SPANISH

St Andrews, Scotland

2011

Professional Experience

Meta

SENIOR DATA SCIENTIST (CONTRACT)

Seattle, WA

Sept 2024-present

- Provides statistical and analytic support for new generative AI onboarding tool.
- Leads experimentation strategy across product development stages to measure individual- and business-level impact.
- Focused on developing holistic measures of productivity that are easily adapted to different teams and functions.

Vanderbilt University

BIostatistician

Nashville, TN

2021-present

- Statistical support and analysis for ACTIV-6 clinical trial.
- Led a quality of life analysis comparing patient symptoms between study arms. Invited to present this research at the 2024 ACTS conference.
- Standardized data cleaning and analysis pipelines across trial arms.
- Conducted site-wide data quality checks for Data and Safety Monitoring Board.

University of California, San Francisco

DATA MANAGER

San Francisco, CA

2019-2021

- Designed and managed database of cases seen at the UCSF Center for Neuroendocrine Tumors.
- Conducted meta-analysis of novel hyperparathyroid-localization technique for FDA new drug application.
- Led quality improvement study on genetic counseling, helping to standardize long-term patient follow up.
- Supervised three trainees who presented their research at national conferences.

University of California, San Francisco

CLINICAL RESEARCH COORDINATOR

San Francisco, CA

2017-2019

- Managed several investigator-initiated and industry-sponsored studies.
- Established workflows between participating clinical departments, industry sponsors and laboratories.
- Screened patients for eligibility and managed patient participation over study duration.
- Oversaw protocol adherence, adverse event reporting, and compliance with FDA regulations.

Roache Orthopedics

RESEARCH ASSOCIATE

San Francisco, CA

2015-2016

- Established prospective study on patient outcomes following orthopedic procedures.

Fred Hutchinson Cancer Research Center

RESEARCH INTERN

Seattle, WA

2014

- Performed data mapping and cleaning for international study on colorectal cancer.

United Nations Development Programme

EDITOR (CONTRACT)

London, England

2014

- Edited, proofread, and compiled reports for the Sustainable Health Financing & HIV Prevention Program.

Skills

Tools: R (advanced), Stata (advanced), Python (familiar), SAS (familiar), Stan, REDCap, git/Github, Quarto/RMarkdown, LaTeX, Tableau, Presto (SQL)

Methods: Survival analysis, clinical trials design, bayesian adaptive designs, longitudinal models

Honors & Awards

2024	Vanderbilt Biostatistics Travel Award	ACTS
2022	Alavi-Mandell Award	JNM
2018	Featured Speaker	NANETS
2014	Thesis with distinction	Imperial College

Selected Publications

Full list available at Google Scholar.

* Indicates co-first author

- Bashir Al Hussein, B., **Whitman, J.** *et al.* Health Literacy and All-Cause Mortality Among Cancer Patients. *Journal of the National Cancer Institute* (Accepted 2024).
- **Whitman, J.** Properties of Variance Estimators in Finite Sample Sizes. *Electronic Theses and Dissertations, Vanderbilt University* (2024).
- Kasai, Y., ..., **Whitman, J.** *et al.* Preoperative risk stratification of lymph node metastasis for non-functional pancreatic neuroendocrine neoplasm: an international dual-institutional study. *Pancreatology* **22**, 123–129 (2022).
- **Whitman, J.**, Allen, I. E., *et al.* Assessment and comparison of 18F-Fluorocholine PET and 99mTc-sestamibi scans in identifying parathyroid adenomas: a metaanalysis. *Journal of Nuclear Medicine* **62**, 1285–1291 (2021).
- Ward, H. A.*, **Whitman, J.*.** *et al.* Haem iron intake and risk of lung cancer in the European Prospective Investigation into Cancer and Nutrition (EPIC) cohort. *European journal of clinical nutrition* **73**, 1122–1132 (2019).