

Jacob Armitage

Seattle, Washington | jacobarmitage3@gmail.com | [Personal Website](#)

EDUCATION

University of Washington

M.S. Genetic Epidemiology | June 2023

Rutgers University

B.S. Biotechnology | May 2020

Publications and Reports

- Master's Thesis: [A polygenic risk score-based analysis of gene-drug interactions in relation to type 2 diabetes risk](#)
- Report: [Targeting Key Factors to Realizing Improved Global Vaccination Coverage](#)
- Rios Casas F, Armitage J, Yuan J ... Creating the vaccination improvement potential index Heliyon, 2024, <https://doi.org/10.1016/j.heliyon.2024.e34906>

EXPERIENCE

Assessment and Evaluation Epidemiologist Thurston County Public Health and Social Services
March 2025 - Current

Division Work

- Established an automated reporting system to assess and monitor the health impacts of extreme heat on residents by integrating near real-time emergency department data with temperature and air quality metrics
- Conducted an analysis on the mortality of people experiencing homelessness to understand leading causes of death, injury intent and mechanism, and the demographics of decedents who experienced homelessness near the time of death. Participated in the National Health Care for the Homeless Council community of practice meetings to learn about best practices.
- Contributed to the County's Community Health Assessment report and Health Equity report by analyzing various data sources including: BRFSS, ACS, State Mortality data, ALICE and the Neighborhood Deprivation Index

Statewide Collaborative Work

- Co-founder of WA LHJ Analytic Resources - a GitHub organization to foster collaboration and innovation among local public health departments in Washington [WA LHJ Analytic Resources](#)
- Contributed to a project to harmonize WA Mortality data across years and data systems
- Contributed to "Local Health Data Analysis and Communication Toolkit 3rd Edition" with other LHJ staff, Coauthor of New "Coding in R" section. [Local health data analysis and communication toolkit](#)

Research Coordinator Seattle Epidemiological Research and Information Center, Department of Veterans Affairs | May 2024 - March 2025

Research Coordinator for [CSP #505](#): Millennium Cohort Study

- Submitted study modifications for IRB review
- Facilitated weekly team and study meetings
- Contributed to the development of study proposals
- Contributed to survey question development and assisted with data transfers

Graduate Teaching Assistant University of Washington Institute for Public Health Genetics | March 2023 - June 2023

Graduate Research Assistant University of Washington Population Health Initiative | June 2022 - Dec 2022

- Collaborated on a project that explored the socioeconomic, cultural, and political factors that lead to higher rates of immunization across the globe
- Created data visualizations to identify outlier countries for further examination and ran simulations of disease burden under different scenarios of vaccination coverage
- Findings published in a Report and Publication

Molecular Biologist - Sequencing Core Delaware Department of Health and Social Services | July 2020 - July 2021

- Contributed to the CDC's COVID-19 Genomic Surveillance Program by shipping samples, transferring sequencing data and serving as primary contact with the CDC Office
- Utilized Illumina platform and liquid handler systems to conduct whole genome sequencing
- Planned and executed variant identification validation study

SKILLS

R Statistical Software | Quarto | Technical Writing | Applied Statistics and Epidemiology | Data Visualization | Project Management | SQL | IRB Submissions