

Jake William Coldiron

Biostatistics | Public Health | Clinical Care

+1 (202) 878-9282

✉ jakewcoldiron@gmail.com

🌐 <https://www.linkedin.com/in/jakewcoldiron/>

Jake is a burgeoning health professional and syndicated scientist whose work spans a myriad of domains. All of his many experiences and education directly support his efforts towards enhancing health research, clinical care, and an equitable health-for-all framework. Importantly, his biostatistical area of interest is spatial interpolation and latent classes analysis, and his public health interest are perinatal transmission of disease and chronic infectious diseases.

EDUCATION

Master of Science (MS) in Biostatistics

Columbia University, Mailman School of Public Health (MSPH)

2023 – 2025

New York, United States of America

Public Health Course Content

- Introduction to Public Health
- Principles of Epidemiology

Biostatistics Course Content

- Probability & Inference
- Data Science
- Biostatistical Methods
- Pharmaceutical Statistics
- Latent Variable and Structural Equation Modeling
- Longitudinal Data Analysis
- Design of Medical Experiments & Randomized Clinical Trials
- Consulting Seminar

Bachelor of Science (BS) in Public Health

Georgia State University, School of Public Health (SPH)

2018 – 2022

Atlanta, United States of America

Program Highlight

- Completed a Double Minor in Mathematics and Sociology
- Achieved Honors Distinction and an Honors Laureate
- 3.69 GPA with Dean's List all semesters
- Founded Maternal and Child Health Association (MCHA), American Mock Work Health Organization at Georgia State University (AMWHO-GSU), and Public Health International Students' Club (PHISC)
- Served on SPH's Academic Affairs Council, Dean Search Committee, Undergraduate CEPH Accreditation Representative

Public Health Course Content:

- Program Evaluation and Implementation
- Intercultural Competency and Communication
- Health and Status of Specialized Groups (e.g., maternal and disabled health)
- Research Methods
- Health Policy and Analysis

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- Chronic and Infectious Diseases
- Fundamentals of Epidemiology and Statistical Analysis
- Biological and Social Determinants of Health
- Health Theories and Models

Mathematics Course Content:

- Calculus I, II, and Multivariate
- Discrete Mathematics and Combinatorics
- Statistical Methods and Regression
- Proofs and Analysis
- Biostatistics
- Linear Algebra

Sociology Course Content:

- Wealth, Power, and Inequality
- Sociological Research Methodology
- Sociology of Work and Occupations
- Statistical Methods for the Social Sciences
- Modern Social Issues

WORK EXPERIENCE

Partnership and Resource Mobilization (PRM) Intern

July 2023 – Current

Eastern Mediterranean Public Health Network (EMPHNET)

Amman, Jordan

- Works with English-limited and Spanish-only voters and helps them navigate the voting process in their preferred language.
- Works with a wide array and diverse group of individuals navigate the voting process.
- Manages a team of individual to ensure a quick and timely voting experience, and continually improves upon best practices within the bounds of the law.
- Navigates local and state laws and regulations regarding voting and vote counting.
- Assists first-time and special case voters cast provisional ballots to ensure that their vote is counted.

Poll Manager

September 2020 – Current

Douglas County Board of Elections

Douglasville, United States of America

- Works with English-limited and Spanish-only voters and helps them navigate the voting process in their preferred language.
- Works with a wide array and diverse group of individuals navigate the voting process.
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Cardiac Monitor Technician

May 2022 – February 2023

Wellstar Health System

Kennesaw, United States of America

- Performed direct and remote cardiac telemetry and identified possible cardiac dysrhythmias.
- Assisted nursing staff with 12-lead EKGs.
- Worked along emergency department staff in crisis situations or medical code.
- Maintained, prepared, and cleaned equipment for use in a sterile environment.
- Participated in hospital evaluation and improvement to assess key performance indicators and identify areas of improvement.

University Research Assistant

Georgia State University, School of Public Health

August 2019 – December 2022

Atlanta, United States of America

- Collaborated in diverse environments to coordinate and strengthen research effort.
- Conducted interviews with persons of interest and assists in the development of questions and questionnaires.
- Maintained and manages information databases.
- Conducted tests such as Multivariate Analysis of Variance (MANOVA) and Social Network Analysis (SNA) to observe statistical and cooperative relationships through programs such as Excel, SAS, Nvivo, R, and Unicef.
- Attended related conferences and workshops for greater insight into new research methodologies and models.

Student Emergency Response Ambassador

August 2020 – December 2022

Atlanta, United States of America

- Gave talks to the Georgia State community about the university's response and general wellness guidelines.
- Developed digital and physical media to inform individuals about COVID and COVID prevention measures, and constructs traditional media to post throughout GSU's campuses.
- Facilitated multi-office collaboration between many GSU offices.
- Collaborated with other student and faculty organizations to determine the best course of action regarding GSU's COVID response.
- Conducted a social media campaign to inform users of various platforms about COVID and answer questions in real time.

Research Student Assistant

February 2020 – January 2021

Atlanta, United States of America

- Conducted phone interviews utilizing a structured interview protocol with program participants from multiple programs and populations, and maintains call logs.
- Conducted literature searches and composes summaries of materials reviewed.
- Presented research and findings to the general public.
- Supported staff through transcription, updating and formatting presentations, data entry, and research projects.
- Performed general clerical duties such as filing, printing, copying, faxing, and managing meetings and events.

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Hospitalist Intern

August 2017 – September 2018

Villa Rica, United States of America

- Learned the daily operations of a hospital and saw how various departments function and operate.
- Worked with patients at appropriate times and learned how to interact with people in various stages in sickness and illness.
- Worked with doctors and nurses when appropriate and learned how the various specializations of each work in a hospital setting, both as individuals and as teams.
- Worked with lab and pharmacy specialist and learned how both groups worked with other groups and served the various departments.
- Worked with financial services and clerical operations and learned how different types of insurance and payments were handled.

Administrative Assistant

May 2018 – August 2018

Blairsville, United States of America

- Assisted with the daily operations of the office of the Boy Scouts of America at Woodruff Scout Camp.
- Operated the primary and tertiary social media accounts for the Boy Scouts of America at Woodruff Scout Camp.
- Maintained and managed information databases and communicated with financial services at Woodruff Scout Camp.
- Worked as a customer service representative to solve technical and interpersonal problems on both an individual and group level at Woodruff Scout Camp.
- Assisted in managing employee operations and quality of life at Woodruff Scout Camp.

RESEARCH AND PUBLICATIONS

Armstrong-Mensah, E. A., Ebiringa, D.-P. ., Whitfield, K., & **Coldiron, J.** (2021). Genital Chlamydia Trachomatis Infection: Prevalence, Risk Factors and Adverse Pregnancy and Birth Outcomes in Children and Women in sub-Saharan Africa. *International Journal of Maternal and Child Health and AIDS (IJMA)*, 10(2), 251–257.
<https://doi.org/10.21106/ijma.523>

Gibson, L. ., Dua, A. A., **Coldiron, J.** ., Peters, A. ., Lamsal, S. ., Edeh, G.-E., Masha, D. ., & Armstrong-Mensah, E. (2022). Individual and Community Level Factors Related to Contraceptive Access, Family Planning, and Reproductive Health Challenges Among Women in Kumasi, Ghana: A Field Study. *International Journal of Translational Medical Research and Public Health*, 6(1).
<https://doi.org/10.21106/ijtmrph.393>

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PRESENTATIONS

Coldiron, J. Understanding Department of Juvenile Justice Stakeholder's Attitudes Towards a Yoga Intervention for Detained Youth with a History of Trauma. Presented, American Public Health Association Annual Conference and Expo, Boston, United States of America, November 2022.

Coldiron, J., Ebring, D., Whitfield, K., Genital Chlamydia Trachomatis Infection: Prevalence, Risk Factors and Adverse Pregnancy and Birth Outcomes in Children and Women in sub-Saharan Africa. Presented, MeTa Series, Atlanta, United States of America, March 2023

Coldiron, J., Ebring, D., Whitfield, K., Genital Chlamydia Trachomatis Infection: Prevalence, Risk Factors and Adverse Pregnancy and Birth Outcomes in Children and Women in sub-Saharan Africa. Presented, Georgia State University School of Public Health Research Conference, Atlanta, United States of America, April 2023

PROJECTS

How Students Can Protect Themselves: COVID-19 Info Module

Georgia State University School of Public Health

<https://www.youtube.com/watch?v=WFmyGFaIESc>

- In collaboration with the Georgia State University Campus of Care Committee, Ambassadors created three informational videos to share with students on campus. This video covers the topic 'How Students Can Protect Themselves', and demonstrates how to navigate a wide variety of situations students may encounter on campus.

LICENSES AND CERTIFICATES

Community Engaged Research

Collaborative Institutional Training Initiative (CITI)

Issued March 2020

Credential ID 33581062

Social and Behavioral Research for Best Practices for Clinical Research

Collaborative Institutional Training Initiative (CITI)

Issued March 2020

Credential ID 33581061

Responsible Conduct of Research

Collaborative Institutional Training Initiative (CITI)

Issued March 2020

Credential ID 33581057

Human Subjects Research (Refresher)

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Collaborative Institutional Training Initiative (CITI)

Issued March 2022

Credential ID 50411525

Basic Life Support (BLS)

American Heart Association (AHA)

Issued June 2022

Credential ID 225415630202

Advanced Cardiovascular Life Support (ACLS)

American Heart Association (AHA)

Issued September 2022

Credential ID 225408189332

PROFESSIONAL ORGANIZATIONS

American Public Health Association (APHA)

Member, June 2021 – Present

Council of State and Territorial Epidemiologist (CSTE)

General Member, April 2021 – Present

World Affairs Council (WAC) of Atlanta

Young Leader, July 2020 – Present

VOLUNTEERING

Advocator, International Education Peace Volunteers

November 2022 – Present

Atlanta, United States of America

- Organize and facilitate one-on-one conversations between individuals of different cultures.

Volunteer, Villa International

February 2023 – Present

Khartoum, Sudan

- Assist limited-term, international individuals around Emory University with navigating life in the United States (taxes, bills, grocery, etc)

District Trainer, Indian Springs

October 2017 – Present

Khartoum, Sudan

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- Train adults in outdoor skills such as hiking, backpacking, gear selection, group games, knots, and more and how to teach these skills to the scouts of their own home troop, pack, or district.