

CHARISMA Y ATKINS, DRPH, MPH

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Results-driven epidemiologist with over 15 years of experience leading epidemiological studies, infectious disease modeling, data analytics and surveillance initiatives, and health equity programs across domestic and global health programs. Proficient in statistical analysis, research design, capacity building, program evaluation, and translating data into actionable public health strategies and insights to improve outcomes and support evidence-based decision-making. Recognized for advancing women's health visibility, generating science-based evidence, optimizing surveillance systems, evaluating health economic outcomes, and guiding cross-agency preparedness and response activities.

Areas of Expertise include:

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|---------------------------------------|------------------------------|-----------------------------------|
| ✓ Statistical Analysis (SAS, SPSS, R) | ✓ Emergency Response | ✓ Public Health Training |
| ✓ Epidemiological Research | ✓ Capacity Building | ✓ Technical Writing & Publication |
| ✓ Outcomes Research | ✓ Surveillance | ✓ Technical Advisement |
| ✓ Health Data Visualization | ✓ Outbreak Investigation | ✓ Communication Strategies |
| ✓ Systems Thinking | ✓ Global Disease Detection | ✓ Public Health Translation |
| ✓ Health Equity | ✓ Partnerships & Consultancy | ✓ Contract Oversight |

PROFESSIONAL EXPERIENCE

Centers for Disease Control & Prevention • Atlanta, GA • Feb 2021- August 2025

EPIDEMIOLOGIST, OFFICE OF WOMEN'S HEALTH (OWH)

- Led national mortality trend analysis using SAS, SPSS, and Power BI to inform policy and interventions.
- Developed data visualization tools and dashboards to enhance visibility of women's health equity initiatives.
- Managed IRB protocols and research design for large-scale population health studies.
- Conducted literature reviews, systematic reviews, and statistical analyses assessing health disparities, inequities, and other outcomes.
- Monitored and analyzed large health datasets to assess changes in women's and girls' health outcomes.
- Designed and launched the Women's Health Data Book to inform decision-makers about internal strategy and external communications.
- Provided data-driven health equity solutions to address disparate issues of underserved and marginalized communities.
- Investigated the landscape of women's health issues and their impact on the population as a whole.
- Increased timeliness, productivity, and quality of literature and systematic reviews by incorporating qualitative innovation tools.
- Developed health equity community engagement and culturally responsive communication standards.
- Advised leadership on integrating equity frameworks into data-driven decision-making
- Organized a network of leaders and stakeholders to recommend guidance on women's health issues.

Centers for Disease Control & Prevention • Atlanta, GA • July 2016 – Feb 2021

EPIDEMIOLOGIST, DIVISION OF DIABETES TRANSLATION (DDT)

- Conducted global meta-analyses and machine learning-enhanced qualitative research to evaluate chronic disease programs.
- Improved data analysis and national surveillance efficiency by using advanced data systems and analytic automation.
- Integrated qualitative schematic coding analysis into all research evidence generation.
- Increased productivity and timeliness of qualitative research by 10-15% using machine learning applications, such as DistillerSR.

- Evaluated the effectiveness of incentive programs and other innovative tools used to increase enrollment and impact of Diabetes and community-based programs.
- Integrated multiple surveillance systems together to produce a larger more robust system..
- Developed guidance and best practices for chronic and infectious disease programs based upon scientific research.
- Assessed program impact and cost-effectiveness of community-based diabetes prevention interventions.
- Authored communication materials and policy briefs highlighting data-driven health findings.

Centers for Disease Control & Prevention • Atlanta, GA • Oct 2007 – July 2016

HEALTH OUTCOMES RESEARCHER, HEALTH ECONOMIC & MODELING UNIT (HEMU)

- Developed health economic models and Excel-based decision tool for emergency planning and pandemic responses (Pandemic Influenza, CommunityFlu, FluAid, FluSurge, Ebola, Rabies, Zika).
- Led cost-effectiveness and ROI analyses of intervention programs tailored toward underserved populations.
- Conducted cost-effectiveness analysis for infectious disease interventions (Influenza, Zika, Ebola).
- Performed health economic impact evaluations of public health intervention strategies.
- Led preparedness planning and resource allocation analysis.
- Trained international partners at Global Disease Detection sites (i.e., Bangladesh, China, Kazakhstan, Kenya, Mexico, and South Africa) on health economic modeling, surveillance, and data reporting.
- Delivered internal and external presentations on emerging infectious diseases research findings to public health leaders.
- Presented research data findings to the center and agency leadership on varying influenza prevention strategies.
- Identified priority population groups that should receive the first allocation of public health resources during emergencies.
- Co-authored peer-reviewed publications on cost-effectiveness strategies identified during public health emergencies.
- Collaborated with international organizations and other DHHS agencies (i.e., FEMA, AHRQ, FDA, PAHO, etc.) on disease analyses, research projects, and tool/model utilization.

EDUCATION

Doctor of Public Health

UNIVERSITY OF GEORGIA | ATHENS, GA

Master of Public Health

FLORIDA A&M UNIVERSITY | TALLAHASSEE, FL

BACHELOR OF SCIENCE, BIOLOGY RESEARCH

FLORIDA A&M UNIVERSITY | TALLAHASSEE, FL

ADDITIONAL EXPERTISE/CERTIFICATIONS

- Translated real-world evidence into key research questions, hypotheses, and study designs.
- Published scientific reports, manuscripts, and other communications materials to increase awareness of public health issues and concerns.
- Provided contract oversight on contracts up to \$500K, developing statements of work, performance measures, and deliverable expectations.
- Advanced cross-agency collaboration to strengthen surveillance and intervention frameworks globally.
- Partnered with CDC Emergency Operations Center for national emergency response coordination.