

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, evidence generation, capacity building, project management, and translating data into actionable public health strategies and insights to improve outcomes and support evidence-based decision-making. Recognized for advancing public health, 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 |
| ✓ Health Outcomes Research | ✓ Surveillance & Outbreak Analysis | ✓ Technical Advisement |
| ✓ Health Data Visualization | ✓ Clinical Research | ✓ Project Management |
| ✓ Real-World Data Sources | ✓ Global Disease Research | ✓ Public Health Translation |
| ✓ Health Equity | ✓ Partnerships & Consultancy | ✓ Engagement Activities |

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, landscape, and statistical analyses assessing health disparities, inequities, and other women and girls' health outcomes.
- Monitored and analyzed real-world data sources (EHRs and claims) to address women and girls' health.
- Provided data-driven health equity solutions to address disparate issues of underserved and marginalized communities.
- Increased timeliness, productivity, and quality of literature and systematic reviews by incorporating qualitative innovation tools.
- Supported clinical trial participation and examination of research activities, protocols, and specific registries.
- Review research and reports for scientific rigor.
- Maintained effective communication with key opinion leaders and stakeholders about public health data, research, strategies, and proposed solutions.
- Developed health equity standards for community engagement and culturally responsive communication.
- Advised leadership on integrating health equity frameworks into data-driven decision-making.
- Organized a network of leaders and stakeholders to recommend guidance on women's health issues.

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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.
- Provided insights into social determinants of health for chronic disease populations.

- Increased productivity and timeliness of qualitative research by 10-15% using machine learning applications, such as DistillerSR.
- Managed and evaluated the effectiveness of Diabetes incentive programs and other innovative tools.
- Reviewed and analyzed real-world data sources and reports to assess Diabetes impact on patients.
- Analyzed the cost and utility benefits of implementing diabetes prevention programs in local communities and states.
- Integrated multiple surveillance systems together to produce a larger more robust system.
- Developed guidance and best practices for chronic and infectious disease programs.
- Assessed program impact and cost-effectiveness of community-based diabetes prevention interventions.

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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 analyses of health disparities among populations affected by emergency response and preparedness planning.
- 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 and prevention effectiveness research findings to agency leaders, public health strategists, and other stakeholders.
- Coordinated with the CDC National stockpile and clinical researchers on the accessibility of available vaccines.
- Identified priority population groups that should receive the first allocation of public health resources during 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, study designs, and actionable insights.
- Empowered, educated, and advised key opinion leaders about educational information and content.
- Enrolled, engaged, and managed clinic patients involved in clinical trials.
- Co-authored and published scientific reports, manuscripts, policy briefs, and other communications materials to increase awareness of public health issues and concerns.
- Presented at public forums, conferences, and webinars.
- Built strong partnerships and relationships with external partners to address the needs of varying populations.