

Charisma Y Atkins, DrPH, MPH, BS
Curriculum Vitae

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Summary of Relevant Experience

Dr. Atkins has over 15 years of professional experience in developing epidemiological programs capacity building, surveillance, global disease detection, public health training, research, service delivery, and the administration of global and domestic health policy. Dr. Atkins began her career working in HIV/AIDS program delivery and has been employed as a federal/state Epidemiologist using data to drive public health insights, evaluations, and solutions. She has been influential in several CDC delivery programs, including the development of health economic models in the areas of Influenza, Zoonotic Diseases, Emerging Diseases, and HIV/AIDS. In addition, Dr. Atkins has led teams of researchers at global disease detection sites to strengthen their in-country capacity, health economic models, publishing results, and providing patient-centered autoimmune recommendations. Most recently, she has been involved with the development and assurance of health equity, equality, and disparities. Areas of technical expertise/experience include (but are not limited to):

- Systematic literature reviews
- Capacity building
- Health economic modeling
- Disease Surveillance
- Data translation
- Statistical data analysis
- Qualitative Outcome Analysis
- Manuscript Development
- Program Evaluation
- Clinical Trial Research
- Scientific Technical Advisement
- Emergency Response Operations

Education

University of Georgia, Athens, GA December 2023

Doctor of Public Health (DrPH) degree

Dissertation: Evaluation of the SDOH impact on COVID-associated health outcomes among COVID-positive low-income minority females (18 – 64 years), March 2020 –December 2022.

Florida A&M University Institute of Public Health, Tallahassee, FL May 2003

Master of Public Health (MPH)

Thesis: Analysis of Fast-Tracked Prescription Drug Recalls on Florida's Medicaid Preferred Drug List

Florida A& M University, Tallahassee, FL April 1999

Bachelor of Science (BS) Honors, Biology Research

Professional Experience

Epidemiologist, *January 2021 – present*

Centers for Disease Control & Prevention (CDC). Office of Health Equity (OHE), Office of Women's Health (OWH).

- Collaborated with the National Centers of Health Data to evaluate and analyze system data that benefits the American people.
- Evaluated National Reports on the Leading Causes of Death for both men and women.
- Analyzed data trends using statistical software (SAS, SPSS, R Studio) and developed data visualization (Power BI) products.
- Served as a data analyst SME and Power BI representative in the data visualization workgroup.
- Consulted with other CDC centers and teams on their data needs.
- Produced web-based presentations on the Top 10 Leading Causes of Death for men and women.
- Served as point of contact (POC) for internal women's health project reviews.
- Conducted literature reviews and scientific analysis of women's health and health equity research.
- Analyzed small and large datasets using SAS, SPSS, or R.
- Developed health equity data reports for OWH projects and subsequent manuscripts.
- Produced a data dictionary for OWH analytical tools.
- Provided data-driven health equity solutions to address disparate issues of underserved and marginalized communities.
- Produced peer-reviewed manuscripts and published documents addressing the life course of women and girls.
- Developed presentations for state and federal conferences, as well as internal and external audiences.
- Reviewed request for Office of Secretary of Health (OASH), other CDC units, and OWH public inquiries.
- Participate as a team member in the emergency response for various emerging infections (i.e., COVID-19, Monkeypox, and Influenza).

Epidemiologist, *July 2016- December 2020*

Centers for Disease Control & Prevention (CDC), National Center for Chronic Disease Prevention & Health Promotion (NCCDPHP), National Center for Chronic Disease Prevention & Health Promotion (NCCDPHP), Division of Diabetes Translation (DDT), Translation, Health Education & Evaluation Branch (THEEB), Synthesis, Translation, and Applied Research (STAR) .

- Collaborated with Division of Healthy Aging (CDC), BRFSS (CDC), Deloitte Organization (contractor), FHI 360 (contractor), Abt Associates (contractor), and State Grantees and sub-grantees.
- Assisted in the development of the team brand using identified resources processes, and strategies designed to highlight the team's translation research agenda.
- Served as technical advisor and reviewer on the Diabetes Alumni Champions contract.
- Analyzed the current caregiving, pre-Diabetes and High-Risk Type 2 Diabetes population using statistical software (i.e., SAS, SPSS, Excel, and Access).
- Led a landscape assessment on the use of incentives to increase enrollment and retention into the National DPP program.

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- Developed the qualitative data analysis plan for investigating the use of incentives on the Diabetes population.
- Conducted a literature review on the impact of using Incentives to increase enrollment and retention in the National Diabetes Prevention Program (DPP) using Distiller SR.
- Performed qualitative analysis on the effectiveness of the National Diabetes Prevention Program (DPP) in vulnerable populations.
- Developed internal and external presentations on the impact of using Incentives to increase enrollment and retention into the National Diabetes Prevention Program.
- Composed an abstract and manuscript for publication on the Utilization of Incentives to Increase Enrollment & Retention into the National Diabetes Prevention Program.
- Presented the Impact of Incentives in the National DPP at the American Association of Diabetes Educators (AADE).
- Addressed the impact of social determinants of health on vulnerable populations.
- Collaborated with the Division of Health Aging on a manuscript analyzing the Pre-diabetic Caregiving population 40-64 years.
- Collaborated with a multidisciplinary team on the implications of telehealth on at-risk populations.
- Served on the COVID-19 Response as an Epidemiologist on the Case Data & Monitoring Team.
- Produced daily case reports for the COVID-19 Task Force.

Epidemiologist on detail, *February 2018 – June 2018, August 2018-November 2018*

Centers for Disease Control & Prevention (CDC), National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention (NCHHSTP), Division of HIV/AIDS Prevention (DHAP), HIV Incidence Case Surveillance Branch (HICSB), Data Analysis & Dissemination Team (DADT).

- Responded to all customer questions about HIV surveillance, geocoding, data linkage, and reports.
- Kept an accurate record of all state census tract submissions.
- Communicated findings to HIV/AIDS leadership.
- Composed and evaluated the accuracy of HIV data and information in Prevention Fact Sheets before widespread distribution.
- Cross-checked the state submitted HIV incidence and prevalence rates against the national rates for sociodemographic and transmission information.
- Collaborated with other epidemiologists on the interpretation of the National HIV dataset.
- Assisted in the development of the Younger Adults and Older Persons HIV Supplemental Surveillance Report (2011-2016), slide presentation, and HIV Surveillance seminar.
- Published two HIV reports: HIV in Adolescents & Young Adults and Older Persons.
- Presented HIV Surveillance Report to all center (National Center for HIV, Hepatitis, STD, and Tuberculosis Prevention) staff.
- Proposed a modeling project to investigate the impact of HIV-related interventions and their impact on the CDC-driven guidance for the elimination of HIV.
- Developed a project proposal to address social determinants and health disparities in HIV populations.
- Served as an official representative to the NCHHSTP Health Equity Committee evaluating social and socioeconomic determinants of health.

Outcomes Researcher, Title 42 *January 2013 – June 2016*

Centers for Disease Control and Prevention (CDC), National Center for Emerging & Zoonotic Infectious Diseases (NCEZID), Division of Preparedness & Emerging Infections (DPEI), Health Economics & Modeling Unit (HEMU).

- Composed, managed, and tracked existing surveillance systems using various applications (i.e., Microsoft Access, SAS, EpiInfo, etc).
- Designed and developed project protocols for public health programs and global partners.
- Monitored the implementation of research studies and the use of external analytical models to assess the impact of disease intervention programs.
- Utilized research from varied resources to develop planning and preparedness tools for emergency infectious disease events (e.g., pandemics and bioterrorist attacks) using Excel Macros
- Analyzed scientific data and provided statistical support (SAS and/or R Studio) and consultation to collaborators, as needed.
- Evaluated the weekly utilization of Influenza health economic tools (i.e., FluAid, FluWorkLoss, FluSurge, CommunityFlu, FluLabSurge, and Impact 2009) and preparedness-based tools (i.e. MERS and Maxi-Vac) on the web management database, Site Catalyst.
- Presented internal and external presentations on Emergency and Influenza Response Activities.
- Assisted global partners in tracking and assessing the needs of their ongoing public health projects.
- Co-led the development of a Rabies cost-effectiveness model designed to evaluate alternative vaccination strategies among canine rabies programs in developing countries.
- Served as Modeling Unit's point-of-contact for Ebola related modeling request and needs.
- Collaborated with Laboratory Assessment Group, State Monitoring Support, Epi/Lab Group, and Policy Unit for Ebola Response.
- Assisted in developing the Ebola Response tool to estimate the number of future Ebola cases in West Africa.
- Monitored and tracked persons with a positive laboratory-confirmed Ebola test to ensure proper designation to a clinical care facility or safe burial.
- Co-produced an economic model to assess the material costs of all the supplies needed by deployed personnel for Ebola response.
- Served as Health Economic Modeling Team's Technical Support Corp (TSC) Representative on all international projects and activities.
- Provided technical guidance on the development of projects initiated at CDC Global Disease Detection (GDD) sites.
- Developed training materials and presented a short course on "Health Economic & Evaluation Methods" to CDC Global Disease Detection Sites (e.g., Bangladesh, China, Kenya, Mexico, and Republic of Georgia) as a member of the health TSC team.
- Partnered with other DHHS agencies (i.e., FEMA, AHRQ, FDA, etc.) on various disease analyses, research projects, and tool/model utilization.
- Served as Lead Author on the economic evaluation of Dental Caries in Alaskan Native children.
- Served as Lead author on a published manuscript detailing the successful utilization of CDC-sponsored tools to Analyze Emerging Diseases and Illnesses over 10 years of Implementation (2005-2015).
- Served as a member of the command staff in the Emergency Operations Center (EOC) during preparedness and response activities for emerging disease threats.
- Briefed Senior Leadership on specific public health projects, activities & initiatives.

Operations Researcher (contractor)/Public Health Analyst, *October 2007 – December 2012*

Lockheed Martin Corporation, Centers for Disease Control & Prevention (CDC), National Center for Infectious Diseases (NCID), Division of Preparedness & Emerging Infections (DPEI).

- Developed a database to categorize type of surveillance needs.
- Developed CommunityFlu, FluLabSurge, Dental Caries, FluTest, and H1N1 modeling tools (i.e., Decision 2009) using Excel Macro (spreadsheet-based) programming.
- Produced economic impact assessments on numerous emerging infection programs as requested by the Office of the Associate Director of Policy.
- Provided consultation and technical guidance to partners on the use of various software tools and databases.
- Evaluated the performance of the developed modeling tools and made edits, as necessary.
- Served as the point of contact for all inquiries concerning the utilization of preparedness planning models.
- Conducted team training sessions on the use of center databases, software tools, and processes involved in completing projects.
- Prepared and published monthly H1N1 and Seasonal Influenza estimates for cases, hospitalizations, and deaths.
- Served as Health Economic TSC Representative at internal CDC professional meetings and on monthly GDD conference calls.
- Developed training materials and assisted in presenting the "Health Economic & Evaluation Methods" short course to GDD sites (China CDC, Beijing CDC, and Bangladesh (ICDRR,B)).
- Assisted TSC global partners design & implement research projects analyzing how economic decisions affect the implementation of specific disease programs and their proposed interventions using multiple methods & data sources.
- Lead Author on a published manuscript estimating the impact of antiviral usage during 2009 H1N1 Influenza A pandemic.
- Served as Second Author on a published manuscript evaluating the burden of 2009 Pandemic Influenza A (H1N1) in the United States between April 2009 and March 2010.
- Designed oral poster presentations of team published manuscripts.
- Served as member of the State Surveillance Team and the Planning Decisions Unit during response events in the Emergency Operations Center (EOC).
- Briefed Team members on relative public health issues.

State Epidemiologist, *October 2005 – October 2007*

Florida Department of Health, St. Lucie County Health Department, St. Lucie County Health Department, Epidemiology Department.

- Supervised epidemiological surveillance operations.
- Prepared monthly reports on emerging disease trends for county health officials.
- Served as Lead Epidemiologist during communicable disease outbreak investigations within St. Lucie County, Florida.
- Conducted outbreak investigations & program evaluations at the request of community members, agencies, and businesses.
- Monitored disease surveillance systems for incidences of communicable disease cases, attack rates, and disease outbreaks using the statewide Surveillance database (MERLIN).
- Developed and delivered disease prevention guidance to all county residents.

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- Reported specific disease incidence, prevalence, and outbreaks according to the Florida Department of Health and Centers for Disease Control and Prevention (CDC) reporting guidelines using Spreadsheet-Based tools and other similar formats (e.g., EpiInfo and SPSS statistical software).
- Led a multidisciplinary team evaluating HIV/AIDS prevalence in the Black Community of St. Lucie County.
- Designed a study, in collaboration with Community-Based Organizations (CBOs), evaluating the impact of HIV/AIDS prevention strategies on the Black community in St. Lucie County
- Adapted the Statewide database of reporting communicable diseases to a local database for reporting new HIV cases.
- Presented research findings to the public detailing best practices for reducing HIV/AIDS prevalence among young minorities within St. Lucie County
- Engaged community members in discussion on how to inform and educate their population on HIV testing and treatment.
- Aligned the county-specific strategic plans with the Health Department program priorities.
- Collaborate with State Tuberculosis teams to analyze cases for HIV co-morbidity.
- Analyzed county-level Tuberculosis data reports for any underlying comorbidity concerns.
- Reviewed ESF-8 legislative action during public health emergencies to ensure that the county health departments aligned with state & federal policies Served as a team member on the Florida Department of Health County Health Departments' Hurricane Response Toolkit.
- Collaborated with various international airports around the state as an on-call member of the CDC International Transport Quarantine/Surveillance Team.
- Participated in the Incident Command Structure as the Planning Chief and Safety Officer during hurricane season and for other regional public health disasters.
- Served as an Epidemiologist on Florida's multidisciplinary Region V Domestic Security Task Force Epidemiology Strike Team during public health emergencies and responses.
- Developed newspaper articles, pamphlets, and circulars on Pandemic Influenza planning and prevention.
- Composed articles and served as Editor for the St. Lucie County Health Department's Epidemiology E-Newsletter.

Health Analyst, *September 2003 – May 2004*

Whitman Walker Health Centers, HIV/AIDS Service Delivery

- Served as health analyst for each of the four Whitman Walker Health Centers (WWC).
- Analyzed health data for each of the health centers using different statistical applications.
- Analyzed & evaluated the health economic impact of delivering clinic services using Medicaid.
- Engaged and enrolled clinic patients in clinical trials.
- Monitored enrollment of participants in research drug studies and clinical trials.
- Developed, reviewed & implemented health policy initiatives to improve specific service utilization, disease surveillance, and cost reimbursement.
- Compared & analyzed the fee payment schedule amongst Medicaid, Self-Insured, and Non-Insured patients.
- Reviewed & analyzed Medicaid and Medicare service policies to determine impact on clinic patients.
- Developed reports on WWS Clinic initiatives and the associated impact on patients.
- Previewed Institutional Review Board (IRB) guidelines for clinic research studies.
- Presented weekly and monthly service delivery and data trends on HIV/AIDS incidence, prevalence, and clinical trial enrollment reports to the Whitman Walker Medical Director, Senior Leaders, and other decision makers.

Publications

- Atkins, CY** (2023, December). Evaluation of the SDOH impact on COVID-associated health outcomes among COVID-positive low-income minority females (18 – 64 years), March 2020 –December 2022. *Dissertation Embargo Access until 01/22/26*
- Atkins CY**, Thomas TK, Lenaker D, Day GM, Hennessy TW, Meltzer MI. (2016, March 15). Cost Effectiveness of Preventing Dental Caries and Full Mouth Dental Reconstructions among Alaska Native Children in the Yukon-Kuskokwim (YK) Delta Region of Alaska. *J Public Health Dentistry*. Available at: <http://onlinelibrary.wiley.com/doi/10.1111/jphd.12141/epdf>
- Atkins CY**, Patel A, Taylor Jr. TH, Biggerstaff M, Merlin TL, Dulin SM, Erickson BA, Borse RH, Hunkler R, Meltzer MI. (2011, September). Estimating the impact of anti-viral drugs in preventing hospitalizations due to 2009 H1N1 influenza pandemic. *Emerg Infect. Dis*; 17:1591-1598.
- Atkins CY**. (2003). Prescription Drug Recalls on Florida's Medicaid Preferred Drug List. *Florida Public Health Review* 2: 108-114.
Master's Thesis
- Hulbert LR, Michael SL, Charter-Harris J, **Atkins CY**, Skeete RA, Cannon MJ. Effectiveness of Incentives for Improving Diabetes-Related Health Indicators in Chronic Disease Lifestyle Modification Programs: A Systematic Review and Meta-Analysis. *Prev Chronic Dis*. 2022 Oct 27;19:E66. doi: 10.5888/pcd19.220151. PMID: 36302383; PMCID: PMC9616129.
- Borse RH, **Atkins CY**, Gambhir M, Blanton J, Dyer J, Rupprecht C, Meltzer MI. (2018, May 23). A modeling tool to evaluate the cost-effectiveness of dog rabies control programs. *PLoS Negl Trop Dis*. 12(5):e0006490. doi: 10.1371/journal.pntd.0006490. PMID: 29791440; PMCID: PMC5988334.
- Division of HIV/AIDS Prevention, National Center for HIV/AIDS, Viral Hepatitis, STD, and TB Prevention, CDC: Laurie Linley, **Charisma Atkins**, Jianmin Li, Chenchen Yu, Anna Satcher Johnson, and Michael Friend (desktop publishing). Centers for Disease Control and Prevention. Diagnoses of HIV infection among adults aged 50 years and older in the United States and dependent areas, 2011–2016. *HIV Surveillance Supplemental Report*, 2018; 23(No.4). Available at: <http://www.cdc.gov/hiv/topics/surveillance/resources/reports/>
- Undurraga EA, Meltzer MI, Tran CH, **Atkins CY**, et al. (2017, June). Cost Effectiveness Evaluation of a Novel Integrated Bite Case Management Program for the Control of Human Rabies, Haiti 2014-2015. *Amer Jour Trop Med and Hygiene*. Available at: http://www.ajtmh.org/content/journals/10.4269/ajtmh.16-0785/html_fulltext
- Meltzer MI, **Atkins CY**, Santibanez S, Knust B, Petersen BW, Ervin ED, Nichol ST, Damon IK, Washington MW. (2014, September 26). Estimating the Future Number of Cases in the Ebola Epidemic — Liberia and Sierra Leone (2014). *MMWR*; 63(03):1-14.
- Borse RH, Shrestha SS, Fiore AE, **Atkins CY**, Singleton JA, Furlow C, and Meltzer MI. (2013, March). Effects of Vaccine Program against Pandemic Influenza A(H1N1) Virus, United States, 2009–2010. *Emerg Infect. Disease*; 19(3): 439-448

Meltzer MI, Gambhir M, **Atkins CY**, Swerdlow DL. (2015, April 10). Standardizing Scenarios to Assess the Need to Respond to an Influenza Pandemic. *Clinical Infectious Diseases*; 60 (Supplement 1): s1-s8.

Shrestha SS, Swerdlow D, Borse RH, Prabhu V, Finelli L, **Atkins CY**, Owusu-Edusei K, Bell B, Mead PS, Biggerstaff M, Brammer L, Davidson H, Jernigan D, Jhung M, Kamimoto L, Merlin T, Nowell M, Redd S, Reed C, Schuchat A. and Meltzer MI. (2011, January 1). Estimating the burden of 2009 pandemic influenza A (H1N1) in the United States (April 2009 – January 2010). *Clinic Infect Dis* 52(S1):S75-S82.

Washington MW, **Atkins CY**. Evaluating effects of school closure on public health impact of an influenza pandemic: an agent-based model of a small community. (Internal Report)

Software and manuals

Atkins CY, Thomas TK. (2016). YK Dental Caries: A tool to estimate the cost-effectiveness analysis of utilizing several dental interventions to reduce the number of dental caries and procedures requiring general anesthesia in Alaska Native children in the Yukon-Kuskokwim Region of Alaska, *J Public Health Dentistry*; March 2016. Available at: <http://onlinelibrary.wiley.com/doi/10.1111/jphd.12141/epdf>

Borse RH, **Atkins CY**, Dyer J, Meltzer MI, (2015). RabiesEcon: A tool to estimate the health and economic impact of canine rabies control programs.

Meltzer MI, **Atkins CY**, Borse RH, Shrestha SS, Prabhu VS. (2012). Decision 2009. Software tool to aid decision making for influenza vaccination against novel H1N1 and standard season strains.

Meltzer MI, Dhankhar P, Jin X, **Atkins CY**, Haber MJ, Shay DK, Thompson WW, Do T, Patel R, Park S, Zhou P. (2010). Community Flu 1.0: software and manual to assist state and local public health officials in estimating the impact of an influenza pandemic in a community and the value of interventions.

Meltzer MI, Owusu-Edusei K, Borse RH, Shrestha SS, Prabhu VS, **Atkins CY**. (2010), FluAID: Software tool to estimate the public valuations of 2009 H1N1 disease and potential vaccine-related adverse events.

Meltzer MI, Borse RH, **Atkins CY**. (2009). FluAid: Special Edition. Software to Aid State and Local Planners with Estimating the State Level Impact of 2009 H1N1 Influenza

Meltzer MI, Shrestha SS, Borse RH, **Atkins CY**. (2009). FluSurge: Special Edition: Software to Estimate the Impact of 2009 H1N1 Influenza Pandemic on Hospital Surge Capacity

Meltzer MI, **Atkins CY**. (2009). FluWorkLoss: Special Edition. Software to Estimate the Impact of 2009 H1N1 Influenza Pandemic on Workdays Lost from Small and Medium Businesses

Meltzer MI, **Atkins CY**, Alley L, Salarv and M, Miller J. (2009). FluLabSurge. Influenza pandemic planning: Software tool to evaluate the potential demand, testing capacity and policy planning related to the surge in demand for laboratory-based testing during the next influenza pandemic. Available at: <http://www.cdc.gov/flu/tools/flulabsurge/>

Presentations

American Public Health Association (APHA): Oral presenter at the annual conference presenting analysis from research conducted on Workplace Discrimination using Porter Novelli Data between September 2020 – September 2021.

Blacks in Government (BIG): Oral presenter at the annual conference on Health Equity principles and the four leading CORE GOALS.

American Diabetes Association Presenter: Oral presenter at the annual conference on the use of Incentives to influence behavior change and participation in lifestyle change programs, 2019.

DDT Science Day: Oral presenter at the Division Annual Science Day on the Utilization of Financial Incentives to Influence Behavioral Change and Participation in the National Diabetes Program, 2018 & 2019

Impact of using incentives to improve diabetes-specific health outcomes: Taped recording (i.e., online seminar) to state diabetes program staff, 2019

NCEZID Science Forum: Oral presenter at the division's monthly seminar on How to estimate the future cases of Ebola in Western Africa and other regions using the Ebola Response tool, 2014.

Artic Investigations Program (AIP): Oral presenter at an AIP sponsored meeting on the effectiveness of preventing dental caries using the developed Excel model/tool to evaluate the cost-effectiveness analysis of utilizing several dental interventions to reduce the number of dental caries and procedures requiring general anesthesia in Alaska Native children in the Yukon-Kuskokwim Region of Alaska, 2016.

NCEZID Science Summit: Poster presenter at the annual conference on the success of software tools used to plan and prepare for the next influenza pandemic or bioterrorist event. 2012 - 2016

Council of State and Territorial Epidemiologist (CSTE): Oral presenter during their annual conference on Estimating the Burden of 2009 Pandemic Influenza A (H1N1) in the United States Between April 2009 and March 2010.

Training/Teaching

Country experience: Bangladesh, China, Kenya, Nigeria, South Africa, Mexico, and the Republic of Georgia

Course developer and instructor: Introduction to health economics and evaluations. Presenting a course on how to use models and other mathematical/statistical tools to evaluate program implementation in Mexico City, Mexico D.F. May 2016.

Course developer and instructor: Capacity Building session to help develop project proposal for evaluating mass rabies vaccination clinics and instructing in-country personnel on how to build simple spreadsheet model using the proposed project approved by the Mexico Ministry of Health, May 2016.

Course developer and presenter: Oral presentation to Health Economic and Modeling Unit (HEMU) on how to develop and present a short course on Health Economic & Evaluation Methods to non-Economist and local public health staff in various public health units and organizations, April 2016.

Course Instructor: Introduction to health economics modeling. Presented a course on how to use models to evaluate program implementation and resources to field public health staff in Tbilisi, Georgia November 2015.

Consultant on capacity building: Advised and consulted on the development of a South African health economic course and model development to South Africa public health professionals, October 2013.

Course developer and instructor: Introduction to health economics and evaluations. Taught Field Epidemiology Training Program (FETP) students in Nairobi, Kenya at the Kenya GDD site, July 2012.

Course developer and instructor: Capacity building session with the Kenya and Nigeria FETP students and instructing in-country personnel on how to develop project proposal using simple spreadsheet-based health economics tools July 2012.

Course developer and instructor: Introduction to health economics. Taught public health officials from China CDC and Beijing CDC at the China GDD site, June 2011.

Course developer and instructor: Capacity building session with the China CDC and Beijing CDC in-country personnel on how to develop project proposals using simple spreadsheet-based health economics tools, June 2011.

Course instructor: Introduction to health evaluation research. Taught the International Emerging Infections Program (IEIP) Bangladesh staff at the International Center for Diarrheal Disease Research in Dhaka, Bangladesh (ICDDR,B) and public health officials from the Bangladesh Ministry of Health at the Bangladesh GDD site, December 2010.

Course instructor: BIO 3000 Introduction to Biologic Sciences. Undergraduate course, approximately 50 students. Florida A&M University, Tallahassee, FL, Spring 2000.

Media Interviews

Planning for the next Influenza Season using CommunityFlu software, 2013.

Antiviral Usage during 2009 H1N1 Influenza A, 2011.

Committees and Workgroup Membership

CORE GOALS Subcommittee	Office of Minority Health & Health Equity Workplace Discrimination Research and Data Assessment Culturally Responsive Community Engagement & Communication
CDC Health Equity	National Center for HIV/AIDS, STD, and Viral Hepatitis Division of HIV/AIDS Epidemiology Member

- CDC Peer review** **Training and Technical Assistance for Health Department Demonstration Projects for Comprehensive Prevention, Care, Behavioral Health, and Social Services for Men Who Have Sex with Men of Color at Risk for And Living with HIV Infection.**
Member – peer review of strategies to aid in the prevention of new HIV cases.
- CDC Ebola Response** **Team Epidemiology and Lab Surveillance Task Force: Modeling Unit**
Participate on modeling team in designing and building mathematical models to aid Incident Response Command leadership analyze the impact of Ebola cases in Western Africa (Liberia, Sierra Leone, and Guinea).
- Pan American Health Organization (PAHO) Advisory committee member.**
Provide advice on the building and deployment of economic modeling tools to aid public health officials assesses the economics of vaccines.
- CDC 2009 H1N1 Epidemiology and Lab Surveillance Task Force Modeling Unit**
Participate on the Pandemic Influenza modeling team in designing and building mathematical models to aid Incident Response leadership analyze the magnitude of the pandemic and the impact of potential Interventions.
- CDC 2009 H1N1 Pandemic Influenza Policy Decision Unit (PDU)**
Provide estimates of impact on various policy options that may be used to help develop decision memos for the Incident Response leadership.

Distinctions and Honors

- 2024** **Office of Women’s Health, CDC Award Recipient**
- 2022** **University of Georgia, Health Policy and Management Scholar**
Athens, GA
- 2020** **COVID-19 Responder, CDC Emergency Operations Center, Atlanta, GA**
- 2016** **NCEZID Honor Recipient, CDC Response to Ebola epidemic in West Africa**
- 2014** **Ebola Response, CDC Honor Awards in Quantitative Sciences, Health Economic & Modeling Unit, National Center for Emerging & Zoonotic Infectious Diseases, Centers for Disease Control & Prevention, Atlanta, GA**
- 2013** **NCEZID Honor Award Recipient, National Center for Emerging & Zoonotic Infectious Diseases, Centers for Disease Control & Prevention, Atlanta, GA (2010-2013).**
- 2011** **Excellence in Epidemiology for the H1N1 Modeling Team, National Center for Emerging & Zoonotic Infectious Diseases, Centers for Disease Control & Prevention, Atlanta, GA**

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- 2010** **Outstanding Contribution for the H1N1 Modeling Team in providing monthly for establishing a process to report and publish monthly H1N1 Estimates for the number of hospitalizations, cases, and deaths observed throughout the H1N1 Response,** National Center for Emerging & Zoonotic Infectious Diseases, Centers for Disease Control & Prevention, Atlanta, GA
- 2007** **Davis Productivity Award Recipient, Florida Department of Health, St. Lucie County Health Department, Port St. Lucie, FL**

Certifications

Responsible Conduct of Research
Contracting Officer Representative I and II
CDC Financial Management
Applied Research Design
Hospital Acquired Infections (HAI)
MRSA investigator
IRB Guidance
Public Health Response
Power BI
Certified Secret Clearance Level (expired 08/2025)

Related Skills

Statistical Software	SAS, SPSS, Epi Info, R Studio, Tree Age Decision Analysis
Computer Skills	Windows Microsoft Office (Outlook, Word, Excel, Access, PowerPoint) Visual Basics Applications Excel Macro Power BI Literature Reviews Internet Searches
Research Design	Office of Management & Budget (OMB) Paperwork Reduction act (PRA) Scientific Research Approach (CITI Program) Qualitative Approach (Surveys, Interviews, Focus Groups, Systematic Research) Quantitative Approach (Statistical Analysis, Case-control, Retrospective, and Cohort Studies) Health Equity & Disparity Research

Specialized Trainings

2024	Data Visualization: Power Bi
2022	COR I Training
2021	CITI Training
2019	Paperwork Reduction Act/OMB Guidelines SAS Essential Training I & II
2018	Analysis of Systematic Review
2014	Scientific Writing and Publishing
2013	Agency for Healthcare Quality, Hospital Costs Data Analysis
2012	Hospital Acquired Infections Assessment MRSA Investigation
2011	Public Health Emergency Response Certification
2010	Global Travel Security Regulations Incident Command Structure (IMS-100, 200, 300, 700, and 800)
2009	Emerging Disease Epidemiology & Surveillance Analysis
2008	Health and Human Services - Section 508 of the Rehabilitation Act of 1973
2006	Epidemiology Strike Team Response and Surveillance Training International Transport Quarantine Station Pandemic Influenza Training: Rapid Response and Containment Protocol Pandemic Influenza Preparedness Public Health Incidence and Mortality Analysis Viral Hepatitis Serology Minority HIV/AIDS Care and Prevention Strategies
2005	HIV/AIDS Information
2003	Financial Aspects of HIV/AIDS patients Plain Language Writing Health Center Accreditation
2002	IRB Regulations

Community Service

2020 – present	Ivy Rose Community Foundation Advances community interaction with adverse community populations
2014 – 2019	Sporty Girls, INC. Advisory board member. Encourages minority girls aged 8 - 18 to participate and achieve success in non-traditional sports while helping them to develop and foster lifestyle skills.
2012 – 2016	Southern Crescent Pearls Foundation (SCPF). Vice President/President. Provide resources to sponsor and promote programs serving the community in the areas of education, health, and economics.
2008 – present	Lupus Foundation of Georgia Advocate & Health Board Member Promotes the awareness of lupus and advocates for better research and resources to combat the disease and its complications.

Professional Affiliation

2025- present	National Association for Doctor of Public Health
2015 - present	Association of Professional Women (APW) at the CDC
2010 – present	American Public Health Association (APHA)

Other Affiliation

2025 – present	FOXX Health Advisory Board Member
2023 – present	Kidney Foundation of America
2004 – present	Lupus Foundation of America
2020 – present	Dekalb County Association of Professional Women
1997 –present	Alpha Kappa Alpha, Sorority, INC

References Available Upon Request