April 10, 2026

CURRICULUM VITAE

Getachew A. Dagne

PERSONAL DATA

Address:

College of Public Health
University of South Florida
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EDUCATION

1996	**Ph.D., Applied Statistics** University of California, Riverside
1986	**M.Sc., Statistics** Addis Ababa University, Ethiopia
1980	**B.Sc., Statistics** Addis Ababa University, Ethiopia

PROFESSIONAL EXPERIENCE

2012-2013	**Vice Chair** Department of Epidemiology and Biostatistics
2012-2015	**Co-Director**, PhD Biostatistics Program Department of Epidemiology and Biostatistics
2013-Present	**Professor** Department of Biostatistics and Data Science

	College of Public Health University of South Florida, Tampa
2004-2013	**Associate Professor** Department of Epidemiology and Biostatistics
2004-present	**Director/lead**, MPH Biostatistics Program Department of Epidemiology and Biostatistics
2006-present	**Director**, Biostatistics Certificate Program Department of Epidemiology and Biostatistics
1996-2004 (June)	**Assistant Professor** Department of Epidemiology and Biostatistics
1993-1996	**Teaching Assistant** Department of Statistics University of California, Riverside
1989-1991	**Assistant Dean of Students** Alemaya University of Agriculture, Ethiopia
1986-1991	**Lecturer** Department of Agricultural Economics Alemaya University of Agriculture, Ethiopia
1984-1985	**Lecturer** Department of Biology Addis Ababa University, Ethiopia
1980 -1984 (August)	**Assistant Lecturer** Department of Agricultural Economics Alemaya College of Agriculture, Ethiopia

HONORS AND AWARDS

2025-2026	Fulbright Scholar (Ethiopia)
2018-2019	Fellow, Ambassador's Distinguished Scholar Program in Ethiopia
2017, 2023	Fellow, Carnegie African Diaspora Fellowship
2006-2008	President, Ethiopian American Community Association, Tampa Bay.

2006	Delta Omega Honorary Society in Public Health
2002-2003	Advisory to Famine Relief Fund Raising Committee
2002	Certificate for outstanding performance and lasting contribution to the Tampa Bay Ethiopian-American community
1999-present	Chairman of Education Committee, Ethiopian-American Community Association.
1999-2000	President of Ethiopian-American Community Association in Tampa Bay
1998-1999	Faculty Advisor to African Student Association, USF
1995	Selected for recognition of outstanding student of the year university wide Department of Statistics University of California, Riverside
1994	Awarded a certificate for Outstanding Teaching Assistant Department of Statistics University of California, Riverside
1993	Harvey Fellowship
1992	Awarded a certificate for high scholastic achievement Ethiopian Education Association, Los Angeles
1991	United Nations Development Program (UNDP) Scholarship

SOCIETY MEMBERSHIP

American Statistical Association (ASA)
Section on Bayesian Statistical Sciences (SBSS)
Section on Epidemiology (EPI)
Section on Survey Methodology
Prevention Science Methodology Group (PSMG)
Workgroup for Observational Data Analysis (WODA)
Society for Prevention Research (SPR)
Florida Chapter of the American Statistical Association
American Educational Research Association
Florida Public Health Association
Mental Health Statistics and Statistics in Mental Health Research Interest Group

EDITORIAL REVIEW ACTIVITIES

Editorial Board Membership

International Journal of Statistics and Probability

Journal of Applied Bioinformatics and computational Biology (-- Biostatistician)

Immunodeficiency & Disorder (-- Biostatistician)

Associate Editor International Journal of Statistics and Probability (2012-2018)
BMC Public Health (2013-2015)

Reviewer:

Statistics in Medicine
Biometrics
Biostatistics
Biometrical Journal
Psychological Methods
Journal of Biopharmaceutical Statistics
Computational Stat and Data Analysis
Health Psychology
BioTechniques
Prevention Science
Harvey Fellowship Grant
Communication in Statistics-Simulation & comp
Frontiers in Quantitative Psychology and Measurement
BMC Medical Research Methodology
Journal of Probability and Statistics
Social Science & Medicine
Journal of Applied Statistics

RESEARCH GRANT

Funded Grant

Project Title: Establishment of an Inclusive Cancer Care Research Equity (iCCaRE) for Black Men Consortium (PI: Folakemi

Odedina**)**
Role: **Biostatistical Consultant**
Funding Sources: Department of Defense, PCRP Health Equity Research and Outcomes Improvement Consortium Awar W81XWH2210968
Project Period: 2022-2024
Total Award:

Project Title: Epigenetic profiles of treatment resistant depression and Response to transcranial magnetic stimulation **(**PI**:** Monica Uddin**)**
Role: **Co-Investigator**
Funding Sources: COPH Internal Award
Project Period: 9/1/2021-8/30/2022
Total Award: $55,000

Project Title: Adverse outcomes for older adults in aging services (PI: Amber Gum)
Role: **Co-Investigator**
Funding Sources: RRF Foundation for Aging
Project Period: : 06/01/19-05/31/21
Total Award: $ 158,030

Project Title: Social closeness despite social distance: A study of strategies to fight loneliness during the COVID-19 pandemic (PI: Fallon R. Goodman)
Role: **Co-Principal Investigator**
Funding Sources: USF COVID-19 Rapid Response Research Grant
Project Period: 4/22/2020 – 4/21/2021
Total Award: $ 25,000

Project Title: Impact of a Minority Prostate Cancer (MiCaP) Research Digest (Contract from UF, Folakemi Odedina)
Role: **Principal Investigator**
Funding Sources: Department of Defense, PCRP Health Disparity Award W81XWH-15-1-0526
Project Period: 9/15/2015 – 9/14/2019
Total Award: $ 1,106,023

Project Title: Development of a Model of Prostate Cancer Care and Survivorship (CaPCaS) for Black Men: A Grounded Theory Study of Ethnically Diverse Black Men (PI: Folakemi Odedina)

Role: **Consultant**
Funding Sources: Department of Defense, PCRP Health Disparity Award
Project Period: 09/15/2013 – 08/14/2017
Total Award: $1,021,174

Project Title: Collaborative Data Synthesis for Adolescent Depression Trials (Contract from Miami U., Hendricks Brown)
Role: **Principal Investigator**
Funding Sources: NIMH
Project Period: 9/01/10 – 8/31/15
Total Award: $3,805,074

Project Title: Commuter Exposure Study: linking exposure, source-receptor models, and health (PI: Amy Stuart)
Role: **Co-Investigator**
Funding Sources: National Institute of Environmental Health Sciences (NIEHS)
Project Period: 1/01/12 – 10/30/16
Total Award: $1,998,000

Project Title: Pilot Study of Coping with Food Insecurity (PI: D. Himmelgreen)
Role: **Co-Investigator**
Funding Sources: NSF
Project Period: 7/01/13 – 6/31/14
Total Award:

Project Title: Statistical Methods for Long-Term HIV Dynamic Modeling and Design (R03AI080338, PI: Y. Huang)
Role: **Co-Investigator**
Funding Sources: NIH
Project Period: 5/01/09 – 4/31/12
Total Award:

Project Title: Novel Translation of a Group Intervention for HIV+ women via Web Conferencing (PI: Stephanie Marhefka)
Role: **Co-Investigator**
Funding Sources: NIMH
Project Period: 7/30/10 – 6/30/13
Total Award:

Project Title: Biostatistics in Medical & Health Research via Clinical Trial and Epidemiology (1T15HL097780-01, PI: Yiliang

Zhu)
Role: **Co-Investigator**
Funding Sources: NIH
Project Period: 8/30/09 – 7/31/12
Total Award: $729,640

Project Title: Effect of Passive Smoking on Risk of Antenatal and Post-Partum Depression (09KN-07, PI: Alfred Mbah)
Role: **Mentor**
Funding Sources: Florida Biomedical Society
Project Period: 6/01/09 – 5/31/12
Total Award: $374,733

Project Title: Methodology for Mental Health and Drug Abuse Prevention and Early Intervention (2Ro1MH40859-17, PI: C. Hendricks Brown)
Role: **Co-Principal Investigator**
Funding Sources: NIMH/NIDA
Project Period: 8/01/05 – 5/31/10
Total Award: $3,500,000 approx.

Project Title: An Integrative Personal Model of Prostate Cancer Disparity (PIPCaD Model) for African American Men: Development and Validation (PI: Folakemi Odedina)
Role: **Consultant**
Funding Sources: US Army Medical Research
Project Period: 8/01/07 – 5/31/9
Total Award:

Project Title: Stress Management and Pregnancy Outcomes in Black Women (PI: Wendy Nembhard)
Role: **Co-Investigator**
Funding Sources: CDC
Project Period: 11/30/01 – 9/30/06
Total Award: $728,000

Project Title: Development and Malleability from Childhood to Adulthood (R01-MH42968, PI: Shep Kellam)
Role: **Co-Investigator**
Funding Sources: NIMH
Project Period: 5/01/02 – 4/30/07
Total Award: $800,000 approx

Project Title: Research Supplement for Underrepresented Minority

Faculty Grant: New Methods for Analyzing Behavioral Observations Data
Role: **Principal Investigator**
Funding Sources: NIMH
Project Period: 9/01/02 – 5/31/05
Total Award: $183,736

Project Title: Design and Analyses for Mental Health Preventive Trials (R01-MH040859, PI: C. Hendricks Brown)
Role: **Co-Investigator**
Funding Sources: NIMH
Project Period: 9/01/00 – 5/31/05
Total Award: $2,019,805

Project Title: A Comparative Study of Socio-economic Impact of HIV / AIDS in Caribbean Nations (PI: Eknath Naik)
Role: **Co-Investigator**
Funding Sources: Center for Disaster Management and Humanitarian Assistance (CDMHA)
Project Period: 1/01/02– 931/02
Total Award:

Under Review

Project Title: Social, Behavioral, Cultural, & Environmental factors Related to Prostate Cancer (PI: Folakemi Odedina)
Role: **Co-Investigator**
Funding Sources: NIH
Project Period: 5 years
Total Award:

Project Title: Healthy Immigrant Effects on Black Men of Florida (PI: Folakemi Odedina)
Role: **Co-Investigator**
Funding Sources: NIH
Project Period: 5 years
Total Award:

Project Title: Skew-normal Mixed-effects Model for Estimating Change Points in Depression
Role: **Principal Investigator**
Funding Sources: NIH (NICHD)
Project Period: 2 years
Total Award: $289,068

Unfunded Projects

Project Title: Maternal and Child Health Training Program in Comparative Effectiveness Research (1T15HD073008-01, PI: Hamisu Salihu)
Role: **Co-Investigator**
Funding Sources: NIH
Project Period: 5 years
Total Award: $675,000

Project Title: Skew-Elliptical Mixed-Effects Joint Models for Longitudinal and Time-to-Event Data, NIH (PI: Yangxin Huang)
Role: **Co-Investigator**
Funding Sources: NIH
Project Period: 2010
Total Award:

Project Title: New Statistical Methods for Developmental Pathways in Depression
Role: **Principal Investigator**
Funding Sources: NIMH
Project Period: 2009
Total Award:

Project Title: Bayesian Analysis of Zero-Inflated Discrete Models, with Applications
Role: **Principal Investigator**
Funding Sources: NSF
Project Period: 2009
Total Award:

Project Title: Contribution of US Nativity to Prostate Cancer and Care Among Blacks (PI: Folakemi Odedina)
Role: **Co-Investigator**
Funding Sources: NIH
Project Period: 2010
Total Award:

PUBLICATIONS

Getachew A. Dagne (2025). Spatiotemporal Distributions of Mortality Rates. *Journal of Biosciences and Medicines*, 2025, 13(1), 406-416.

Mohsen Soltanifar, Chel Hee Lee, Amin Shirazi, Martha Behnke, Ilfra Raymond-Loher**, Getachew A. Dagne** (2025). GenTwoArmsTrialSize: An R Statistical Software Package to estimate Generalized Two Arms Randomized Clinical Trial Sample Size. *Communications for Statistical Application and Methods* (accepted).

Getachew A. Dagne (2025). Small-area Level Risk Factors and Geospatial Mapping of Mortality Rates of Oral Cancer. *Asian Pacific Journal of Cancer Biology* (accepted).

Getachew A. Dagne (05 May 2024): Bayesian spatial mapping of rates of substance use among high-school students in Florida, *Journal of Substance Use*, DOI: 10.1080/14659891.2024.2347378.

Ferede, M.M., **Dagne, G.A**., Samuel M. Mwalili, S.M., Bilchut, W.H., Engida, H.A. and Karanja, S.M. (2024). Flexible Bayesian semiparametric mixed-effects model for skewed longitudinal data. *BMC Medical Research Methodology*, 24:56.

Getachew A. Dagne (2024). Spatial mapping of colorectal cancer screening uptake and associated factors. *European Journal of Cancer Prevention,* 33:161–167.

Boubakari Ibrahimo, Shelbie Burchfield, Ning Sun, Zoran Bursac, Anthony J. Kondracki, Hamisu Salihu, Yiliang Zhu, **Getachew Dagne**, Mario De La Rosa, Assefa Melesse & Tomas Guilarte. (2024). Unplanned hysterectomy: a comprehensive analysis of race, ethnicity, sociodemographic factors, pregnancy complications, and cardiovascular disease risk factors. *Ethnicity and Health*, VOL. 29, NO. 1, 62-76.

Getachew A. Dagne (2023). Bayesian bivariate bent-cable model for longitudinal data. *Communications in Statistics-Theory and Methods*. 52, 7709-7717. DOI: 10.1080/03610926.2022.2053544.

Daramola N. Cabral, Meng-Han Tsa, Jemal Gishe, **Getachew A. Dagne**. (2023). Colorectal Cancer Risk Perceptions among Black Men in Florida. Journal of Racial and Ethnic Health Disparities. https://doi.org/10.1007/s40615-023-01667-6

Dagne, G.A., (2022). Geographic variation and association of risk factors with incidence of colorectal cancer at small-area level. *Cancer Causes Control*. 2022 Sep;33(9):1155-1160. doi: 10.1007/s10552-022-01607-5.

Ferede, M.M.; Mwalili, S.; **Dagne, G**.; Karanja, S.; Hailu, W.; El-Morshedy, M.; Al-Bossly, A. (2022). A Semiparametric Bayesian Joint Modelling of Skewed

Longitudinal and Competing Risks Failure Time Data: With Application to Chronic Kidney Disease. *Mathematics* 2022, 10, 4816. https://doi.org/10.3390/math10244816

Taylor, K.A, Schwartz SW, Alman AC, Goode AP, **Dagne GA**, Sebastião YV, Foulis PR. (2022). Nightmare Disorder and Low Back Pain in Veterans: Cross-Sectional Association and Effect Over Time. *SLEEP Advances*. 3(1):zpac030.

Ibrahimou, B., Ning Sun, Shelbie Burchfield, Priyanka Shrestha , Fernanda Veitzman, Zoran Bursac, Hamisu Salihu, **Getachew Dagne**, Janvier Gasana, Tomas R Guilarte (2022). Race as a moderator of the Association between ethnicity, preeclampsia and Neonatal Respiratory Distress Syndrome. *World Journal of Pediatrics*, 18(8):568-573.

Getachew A. Dagne (2022). Joint mixture quantile regressions and time-to-event analysis. *Brazilian Journal of Probability and Statistics*. 36(3): 492-503 (September 2022). DOI: 10.1214/22-BJPS537

Getachew A. Dagne (2022): Bayesian censored piecewise regression mixture models with skewness, *Journal of Biopharmaceutical Statistics*, Vol. 32, 2022 Issue 2, 287-297. DOI: 10.1080/10543406.2021.2009496.

Justice Moses K Aheto, **Getachew A Dagne** (2021). Geostatistical analysis, web-based mapping, and environmental determinants of under-5 stunting: evidence from the 2014 Ghana Demographic and Health Survey. Lancet Planet Health, 5, 247-355.

Joseph Ficek; Wei Wang; Henian Chen; **Getachew Dagne**; Ellen Daley A. (2021). Survey of Differentially Private Regression for Clinical and Epidemiological Research. *International Statistical Review* , 89(1), 132-147.

Ovie Utuama Jennifer B. Permuth, **Getachew Dagne**, Aurora Sanchez-Anguiano, Amy Alman, Ambuj Kumar, Jason Denbo, Richard Kim, Jason B. Fleming, and Daniel A. Anaya (2021). Neoadjuvant Chemotherapy for Intrahepatic Cholangiocarcinoma: A Propensity Score Survival Analysis Supporting Use in Patients with High-Risk Disease. *Anal of Surgical Oncology* https://doi.org/10.1245/s10434-020-09478-3

Justice Moses K. Aheto, **Getachew A. Dagne** (2021). Multilevel modeling, prevalence, and predictors of hypertension in Ghana: Evidence from Wave 2 of the World Health Organization's Study on global AGEing and adult health. *Health Science Reports*, 4(4), e453.

Justice Moses K. Aheto, Ovie A. Utuama and **Getachew A. Dagne** (2021). Geospatial analysis, web-based mapping and determinants of prostate cancer incidence in Georgia counties: evidence from the 2012–2016 SEER data. *BMC Cancer*, 21:508

Dagne, Getachew A. (2021**).** Two-component generalized bent-cable models. Communications in Statistics-Theory and Methods. 51:13, 4464-4475, DOI: 10.1080/03610926.2020.1815781

Dagne, Getachew A. (2021). Bayesian Quantile Bent-Cable Growth Models for Longitudinal Data with Skewness and Detection Limit. *Statistics in Bioscience*. **13**, pages129–141(2021).

Ficek J, Wang W, Chen H, **Dagne G**, Daley E. Differential privacy in health research: A scoping review. *J AmMed Inform Assoc*. 2021 Sep 18;28(10):2269-2276. doi: 10.1093/jamia/ocab135. PMID: 34333623; PMCID: PMC8449619.

Dagne, Getachew A. (2020). Bayesian semiparametric growth models for measurement error and missing data in CD4/CD8 ratio: Application to AIDS Study. *Statistical Methods in Medical Research*, Vol. 29(1) 178–188.

Odedina FT, Walsh-Childers K, Young ME, Kaninjing E, Krieger J, Pereira D, **Dagne G**, Askins N, Fathi P (2020). Development of a Minority Prostate Cancer Research Digest: Communication Strategy Statement for Black Men. *J Cancer Educ*. 2020 Jul 7. doi: 10.1007/s13187-020-01815-0. Online ahead of print.PMID: 32638289

Biruk Shalmeno Tusa Mekuriaw Alemayehu , Adisu Birhanu Weldesenbet , Sewnet Adem Kebede , and **Getachew Asfaw Dagne.** (2020)**.** Prevalence of Depression and Associated Factors among Diabetes Patients in East Shewa, Ethiopia: Bayesian Approach. *Depression Research and Treatment*, Vol 2020, Article ID 4071575, 11 pages https://doi.org/10.1155/2020/4071575

Setognal Birara Aychiluhm, Kassahun Alemu Gelaye, Dessie Abebaw Angaw, **Getachew Asfaw Dagne**, Abay Woday Tadesse, Adugna Abera and Dereje Dillu. (2020). Determinants of malaria among under-five children in Ethiopia: Bayesian multilevel analysis. *BMC Public Health* (2020) 20:1468 https://doi.org/10.1186/s12889-020-09560-1

Howe, G. W., **Dagne, G. A**., Brown, C. H., Brincks, A. M., Beardslee, W., Perrino, T., & Pantin, H. (2019). Evaluating Construct Equivalence of Youth Depression Measures Across Multiple Measures and Multiple Studies. *Psychological Assessment, 31*(9), 1154-1167. doi:10.1037/pas0000737.

Dagne, Getachew A. (2019). Random Power Function of Bent-cable Growth Models for Longitudinal Data: Application to AIDS Studies. *International Journal of Health Sciences;* September 2019, Vol. 7, No. 3, pp. 33-41.

Mohammed Faruk, Folakemi T. Odedina, Sani Ibrahim, Abdulmumini Hassan Rafindadi, Ahmed Adamu, Danladi Amodu Ameh, Sirajo Mohammed Aminu, Abdullahi Adamu, Ahmad Bello, Ernie Kaninjing, John Idoko, Aishatu Maude

Suleiman, Solomon O. Rotimi, , **Getachew A. Dagne** et al (2019) Cortisol and Health-related Quality of Life as Prognostic Indicators for Prostate Cancer Risk in West African Black Men in Nigeria, Cameroon and the USA: The CaPTC Cohort Study. *Cancer Health Disparities*, doi:10.9777/chd.2019.1009.

Catherine A. Oladoyinbo, Oluwafunke O. Akinbule, Opeyemi O. Bolajoko, Justice Moses K. Aheto, **Getachew A. Dagne**, Faruk Mohamed et al. (2019). Risk factors for prostate cancer in West African Men: The Familial Cohort Study. *Cancer Health Disparities* doi:10.9777/chd.2019.1007.

Ernest T. Kaninjing, **Getachew Dagne**, Sunday E. Atawodi1, Adewumi Alabi1, Olubanke O. Ogunlana1, Patrick T. Adegun, Haruna Nggada, Ifeoma Okoye, Abidemi E. Omonisi, et al. (2019). Modifiable Risk Factors Implicated in Prostate Cancer Mortality and Morbidity among Nigerian and Cameroonian Men. *Cancer Health Disparities* doi:10.9777/chd.2019.1002

Iya E. Bassey, Theophilus I. Ugbem, Uwem O. Akpan, Stanley O. Anyanwu, Enakirerhi E. Glen, Rebecca M. Gali, Catherine A. Oladoyinbo, Abidemi Omonisi, **Getachew Dagne**, Ernest T. Kaninjing, Nissa A. Askins, Motolani E. Ogunsanya, Mohammed Faruk, Ademola A. Idowu1, CaPTC investigators, Folakemi T. Odedina (2019). Overcoming Barriers in Conducting a Transatlantic Prostate Cancer Familial Study in Africa: Best Practice from the CaPTC Cohort Study. *Cancer Health Disparities* 2: e1-9. doi:10.9777/chd.2019.1001.

Green, Shana M., Turner, DeAnne, Baldwin, Julie A., Walsh-Buhi, Eric R., Vamos, Chery, A., **Dagne, Getachew**, Marhefka, Stephanie L. (2018). Towards an Information Motivation and Behavioral Skills Model for New Sex Partners: Results of a Study of Condom Use as an HIV Prevention Method for Emerging Adults Who Met Partners on Dating and Sex-Seeking Platforms or Offline. *AIDS and Behavior* [10907165]

Odedina, F., Walsh-Childers, K., Young, M. E.,**Dagne, G**., Krieger, J., Kaninjing, E., & Askins, N. (2018). Impact of a Minority Prostate Cancer (MiCaP) Research Digest in translating scientific discovery into public health and community applications. *Cancer Epidemiology Biomarkers & Prevention*, 27(7), 157-158.

Oladele, C. R., Sharma,S., Elizabeth B. Pathak, E. B., Himmelgreen, D., **Dagne, G**., Nembhard, W., and Mason, T. (2018). Food and Nutrient Intakes of Jamaican Immigrants in Florida. *Journal of Immigrant and Minority Health*, pp. 1-8.

Dagne, GA. (2018). Heterogeneous growth bent-cable models for time-to-event and longitudinal data: application to AIDS studies. *J Biopharm Stat*. , 28(6), 1216-1230

Dagne, GA. (2018). Bayesian Bent-Cable Tobit Models for Longitudinal and Survival Data: Application to AIDS Studies. *SM J Biometrics Biostat*. 2018; 3(1): 1025.

Oladele CR, Pathak EB, Yang J, Nembhard W, Sharma S, Himmelgreen D, **Dagne G**, Mason T (2018). Acculturation and Dietary Intake Pattern among Jamaican Immigrants in the US. *Preventive Medicine Reports* 2018; 9:80-85.

Dagne GA. (2017). Bayesian two-part bent-cable Tobit models with skew distributions: Application to AIDS studies. *Stat Methods Med Res*. doi: 10.1177/0962280217710679. [Epub ahead of print]

Dagne GA. (2017). Joint bent-cable Tobit models for longitudinal and time-to-event data. *J Biopharm Stat*. doi: 10.1080/10543406.2017.1321006. 28(3), 385-401.

Dagne GA. (2017). Joint two-part Tobit models for longitudinal and time-to-event data. *Stat Med*.36(26):4214-4229

Dagne, G. A., Odedina, F., Nickyjeanna Aime, N., and Mary Ellen Young, M.E. (2017). Area-level factors associated with spatial variation of prostate cancer incidence for Black Men. *International Journal of Cancer Therapy and Oncology*, 5(1):5123.

Dagne, G.A., Ibrahimou, B. (2017). Bayesian analysis of piecewise growth mixture models with skew-t distributions: Application to AIDS studies. *Journal of Biopharmaceutical Statistics* 27(4):691-704.

Odedina,F., **Dagne, G**., Williams,C., Young, M.E., Nguyen, J., Pereira, D. (2017). Prostate cancer occurrence and care among ethnically diverse Black Men: The Florida CaPCaS Study. *Cancer Causes & Control* submitted.

Odedina, F., Young, M.E., Pereira, D., Williams, C., Nguyen, J. and **Dagne, G**. (2017). Point of prostate cancer diagnosis experiences and needs of black men: the Florida CaPCaS study. *The Journal of Community and Supportive Oncology* 15(1), 1-19.

Odedina, F.T., Young, M.E., Pereira, D., Williams, Nguyen, J., **Dagne, G.** (2017). Needs of Black Men at the point of prostate cancer diagnosis (PPCD): The Florida CaPCaS Study. *International Journal of Cancer and Oncology* 4(1), 1-4.

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Xing, D., Huang, Y., Chen, H., Zhu, Y., **Dagne, G. A**., and Baldwin, J. (2017). Bayesian inference for two-part mixed-effects model using skew distributions, with application to longitudinal semicontinuous alcohol data. *Statistical Method in Medical Research* (in press) DOI: 10.1177/0962280215590284 (online)

Xing, D., Huang, Y., Chen, H., Zhu, Y., **Dagne, G**., Baldwin, J. (2016). Bayesian inference on bivariate semi-continuous mixed-effects models with application to longitudinal substance data. *Journal of Advanced Statistics* 3(1): 122-135

Dagne, G. A., Brown, C.H., Howe, G., Kellam, S.G., Liu, L. (2016). Testing moderation in network meta-analysis with individual participant data. *Statistics in Medicine*, 35(15):2485-502.

Dagne, **G. A**. (2016). Bayesian segmental growth mixture Tobit models with skew distributions. *Computational Statistics*, 31(1), 121-137

Huang Y., **Dagne G.A**. and Park J-G. (2016). Mixture joint models for event time and longitudinal data with multiple features. *Statistics in Biopharmaceutical Research* 8(2): 194-206.

Dagne, G.A. (2015). Piece-wise growth mixture Tobit models: Application to AIDS studies. *Journal of Biopharmaceutical Statistics,* 25(6):1339-52

Dagne, G.A. and Huang, Y. (2015). Bayesian two-part Tobit models with left-censoring, skewness and non-ignorable missingness. *Journal of Biopharmaceutical Statistics* 25(4), 714-730.

Huang, Y., Chen, R., **Dagne, G.A**., Zhu, Y. and Chen, H. (2015). Bayesian bivariate linear mixed-effects models with skew-normal/independent distributions, with application to AIDS studies. *Journal of Biopharmaceutical Statistics,* 25(3), 373-396.

Ibrahimou, B., Salihu, H.M., Aliyu, M.H., English, G. and **Dagne, G**. (2015). Infant mortality in twin pregnancies following in-utero demise of the co-twin. *Asian Pacific Journal of Reproduction*, 4(3), 228-234.

Wilson RE, Salihu HM, Groer MW, **Dagne G**, O'Rourke K, Mbah AK. Impact of maternal thyroperoxidase status on fetal body and brain size. Journal of Thyroid Research;2014:872410

Huang, Y., Hu, X.J. and **Dagne, G.A**. (2014). Joint modeling time-to-event and longitudinal data: A Bayesian approach. *Statistical Method & Applications.* 23:95-121. **PMCID:** PMC3943431

Huang, Y., **Dagne, G**., Zhou, S. and Wang, Z. (2014). Piecewise mixed-effects models with skew distributions for evaluating viral load changes: A Bayesian approach. *Statistical Methods in Medical Research.* DOI: 10.1177/0962280211426184. **PMID**: 22045781. *Published* **online**: http://smm.sagepub.com/content/early/2011/10/26/0962280211426184.full.pdf+html

Deressa, W., Yihdego, Y.Y., Kebede, Z., Batisso, E., Tekalegne, A., and **Dagne**, **G.A**. (2014). Effect of combining mosquito repellant and insecticide treated net on malaria prevalence I Southern Ethiopia: a cluster-randomised trial. *Parasites & Vectors*, 7:132.

Huang, Y., **Dagne, G**., Park, J-G. (2013). Segmental modeling of changing immunologic response for CD4 data with skewness, missingness and dropout. *Journal of Applied Statistics* 40(10): 2244-2258.

Mbah AK, Salihu HM, **Dagne G**, Wilson RE, Bruder K. (2013). Exposure to environmental tobacco smoke and risk of antenatal depression: application of latent variable modeling.*Archives of Womens Mental Health* 16, 293-302.

Dagne, G. and Huang, Y. (2013). Bayesian semiparametric mixture Tobit models with left-censoring, skewness and covariate measurement error. *Statistics in Medicine* 32: 3881-3898. PMID: 23553914

Dagne, G. A. (2013). Bayesian Inference for Skew-Normal Mixture Models with Left-Censoring. *J. Biopharmaceutical Statistics,* 23, 1023-1041.

Huang, Y. and **Dagne, G**. (2013). Comparison of mixed-effects models for skew-normal responses with an application to AIDS data: A Bayesian approach. *Communications in Statistics Simulation and Computation,* 42, 1268-1287.

Dagne, G. A. and Huang, Y. (2012). Bayesian inference for a nonlinear mixed-effects Tobit model with multivariate skew-t distributions: application to AIDS studies. *International Journal of Biostatistics*, Vol. 8, Iss. 1, Article 1.

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Mbah, AK, Alio, AP, Fombo, DW,Bruder, K, **Dagne, G**, Salihu, HM. (2012). Association between cocaine abuse in pregnancy and placenta-associated syndromes using propensity score matching approach. *Early Human Development* , 88, 333-337.

Buhi, E. R., Cook, R. L., Marhefka, S. L., Blunt, H. D., Wheldon, C., Oberne, A. B., Mullins, J. C., & **Dagne, G. A**. (2012). Does the Internet represent a sexual health risk environment for young people? *Sexually Transmitted Diseases, 39*(1), 55-58. doi: 10.1097/OLQ.0b013e318235b3c6

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Odedina, F., **Dagne, G**. Pressey, S. et al. (2011). Prostate cancer health and cultural beliefs of black men: The Florida Prostate Cancer Disparity Project. *Infectious Agents and Cancer*, 6, S10.

Huang, Y., **Dagne, G**. Zhou, S. and Wang, Z. (2011). Piecewise mixed-effects models with skew distributions for evaluating viral load changes: A Bayesian approach. *Statistical Methods in Medicine Research* Published online 1 November 2011. DOI: 10.1177/0962280211426184.

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with skew normality and measurement errors in covariates. *International Journal of Biostatistics*, 7(1): Article 8.

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Huang, Y. & **Dagne, G. A.** (2011). A Bayesian approach to joint mixed-effects models with a skew-normal distribution and measurement errors in covariates, *Biometrics*, 67, 260–269.

Odedina FT, Scrivens J, LaRose-Pierre M, Emanuel A, Adams AA, **Dagne GA**, Pressey SA, Odedina AO. (2011). Modifiable Prostate Cancer Risk Reduction and Early Detection Behaviors in Black Men. *American Journal of Health Behavior*, 35, 470-484.

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Dagne, G. A. & Snyder, J. (2010). Bayesian analysis of repeated events using event-dependent frailty models: An application to behavioral observation data. *Comm. Stat.-Theory and Method*, 39(2), 293-310.

Dagne, GA and Gurmu, S. (2010). Bayesian Approach to Zero-Inflated Ordered Probit Models. In *JSM 2010 Proceedings*, *Section on Bayesian Statistics Science*. 782—790.

Dagne, G. A., & Synder, J. (2009). Bayesian hierarchical duration model for repeated events: an application to behavioral observations, *Journal of Applied Statistics*,36:11,1267 — 1279

Brown, C.H., Ten Have, T.R., Jo, B., **Dagne, G.A**., Wyman, PA, Muthen, B., & Gibbons, RD. (2009). Adaptive designs for randomized trials in public health. *Annu. Rev. Public Health*, 30, 1-25.

Dagne, G. A., Howe, G. H., & Brown, C. H. (2009). Multivariate, Multilevel Modeling of Behavioral Interaction Data. *ASA* 2009 *Proceedings of the Social Statistics Section,* 745-754.

Dagne, G. A. (2008).Bayesian Analysis of Duration Data Using Multi-state Competing Risks Models. *Far East J. Theoretical Statistics,* 25, 1-14.

Dagne, G. A., Brown, C. H., & Howe, G. W. (2007). Hierarchical modeling of sequential behavioral data: Examining complex association patterns in mediation models. *Psychological Methods*, 12, 298-316.

Dagne, G. A. (2007). Multi-class Models for Correlated Zero-inflated Count Data. *Far East Journal of Theoretical Statistics*, 21, 203-216.

Snyder, J., John Reid, J., Stoolmiller, M., Howe, G., Brown, H., **Dagne, G. A**., & Cross, W. (2006). The Role of Behavior Observation in

Measurement Systems for Randomized Prevention Trials. *Prevention Science*, 7, 43-56.

Howe, G. W., **Dagne, G. A**., & Brown, C. H. (2005). Multilevel methods for modeling observed sequences of family interaction. *Journal of Family Psychology*, 19, 72-85.

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Dagne, G. A., Brown, C. H., and Howe, G. W. (2003). Bayesian hierarchical modeling of heterogeneity in multiple contingency tables: An application to behavioral observation data. *Journal of Educational and Behavioral Statistics*, 28, 339-352.

Dagne, G. A. (2003). The use of power transformation in small area estimation. *Journal of Applied Statistics,* 30, 411-423

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Salihu, H. M., Naik, E. *G.,* Tchuinguem, G., Bosney, J. P. L., and **Dagne, G. A.** (2002). Weekly chloroquine prophylaxis and the effect on maternal haemoglobin status at delivery. *Tropical Medicine and International Health,* 7, 29-34.

Dagne, G. A. (2001). Bayesian transformed models for small area estimation. *Test,* 10, 375-392.

Salihu, H. M., Naik, E., O'Brien, W. F., **Dagne, G. A**., Retard, R., and Mason, T. (2001). Tuberculosis in North Carolina: Trends across two decades, 1980-1999. *Emerging Infectious Diseases,* 7, 570-574.

Dagne, G.A. (2001). Bayesian modeling of spatially correlated latent variables in small area estimation. *Far East J. Theoretical Statistics,* 5, 67-79.

Dagne, G. A. (1999). Bayesian analysis of hierarchical Poisson model with latent variables. *Communication in Stat. Theory and Methods,* 28, 119-136.

Dagne, G. A. (1998). Spatial Correlation Effects on Neighborhood

Configuration in Image Classification. *Far East Journal of Theoretical Statistics,* 2, 123-142.

Dagne, G. A. (1998). Power transformation in components of variance models for small area estimation. *American Statistical Association Proceedings of the Section on Survey Research Methods*, pp. 332-334.

Dagne, G. A. and Press, S. J. (1997). predictions for small areas using SUR models. *Communication in Stat. Theory and Methods,* 26, 1355-1379.

Dagne, G. A. and Press, S. J. (1995). Robustness of DNA image restoration with respect of spatial correlation. *Technical Report No.* 218, Dept. Of Statistics, UCR.

Dagne, G. A., and Press, S. J. (1996). Robustness of the directional neighborhoods approach to image classification with respect of spatial correlation. *ASA* 1996 *Proceedings of the Section on Bayesian Statistical Science.* pp. 64-69.

Dagne, G. A., and Press, S. J. (1996). Bayesian prediction for small areas using SUR models. *ASA* 1996 *Proceedings of the Section on Bayesian Statistical Science.* pp. 190-195.

Under Preparation

Dagne, G.A. and Huang, Y. (2017). Bayesian Mixture Tobit Models with Left-Censoring, Skewness and Non-Ignorable Missingness. To be submitted to *Statistics in Medicine*.

Dagne, GA, Brown, H., Howe, G, Kellam, S. (2017). Moderated Network Meta-Analysis with Individual Participant Data. To be submitted to *Psychological Methods*.

Dagne, G. A. (2016). Skew Normal Random Effects Models for Correlated Zero-inflated Count Data. To be submitted to *Biometrics*

Gurmu, S., & **Dagne, G. A**. (2017). Semiparametric Bayesian Inference for Count Data Models with Excess of Zeros and Covariate-dependent Random Effects. To be submitted to *Biometrics*

Dagne, G. A., Howe, G., & Brown, C. H. (2016). Bivariate normal model for multidimensional behavioral responses in social interaction. To be submitted to *Psychological Methods*.

Howe, G. W., Brown, C. H., & **Dagne, G. A**. (2016). Using weight

matrices in contingency tables to specify hypotheses about behavioral sequences in event-based observational data.

Howe, G. W., **Dagne, G. A**., & Brown, C. H. (2016). New methods of studying behavioral sequences in family observation data: An introduction to random effects models.

PRESENTATION (Invited and Contributed)

Getachew A. Dagne. Mapping of Colorectal Cancer Incidence. AORTIC 2023, 2-7 November 2023, Dakar, Senegal.

Getachew A. Dagne. Piecewise Regression Mixture Models with Skewness. 17th Annual International Conference on Statistics: Teaching, Theory & Applications 26-29 June 2023 Athens, Greece

Getachew A. Dagne. Bayesian Methodology. School of Public health, University of Ghana, February 2023, Accra, Ghana.

Meng-Han Tsai, Daramola N. Cabral1, Jemal Gishe, **Getachew A. Dagne**. Colorectal Cancer Risk Perceptions in Black Men. Society of Epidemiological Research (SER) Annual Meeting. June 14-17, 2022, Chicago, IL.

George W. Howe, **Getachew Dagne**, Karen Abrams, C. Hendricks Brown, Carlos Gallo, Ashley Knapp, Dorothy Espelage, Alberto Valido. The impact of sparse datasets when harmonizing data from multiple studies having different measures of the same construct. June 2022, Seattle, WA.

George W. Howe, **Getachew Dagne**, C. Hendricks Brown, Ahnalee Brincks, Tatiana Perrino, Hilda Pantin. Do violations of measurement invariance influence tests of moderation when using synthesis datasets to evaluate the impact of programs to prevent youth depression?, June 2021 (virtual).

***Dagne, GA.** Sample size and power calculation**.** January 2021, Dessie, Ethiopia (virtual).

***Dagne, GA.** Overview of Bayesian Methodology. December 2018, Gondar, Ethiopia.

Dagne, GA. Spatial Data Modeling of Prostate Cancer Incidence in Black Men

in the State of Florid. January 2016, Orlando, FL.

***Dagne. G.A.** Discussant on A Bayesian Wavelet Based Analysis of Longitudinally Observed Skewed Heteroscedastic Response. Florida Education Fund, February 2016, Tampa, FL.

***Dagne, GA.** Gishe, J., Odedina, F. Zero-Inflated Models for Assessing Risk Factors of Prostate Cancer. September 2015, FU, Gainesville, FL.

***Dagne, GA.** Does it Matter to Have Study-level or Participant-level Data When Assessing the Effect of Moderation in a Network Meta-analysis? May 2015, FIU, Miami, FL.

Dagne, GA, Brown, CH, Howe, G. and Kellam S. Statistical Power for Moderation in Network Meta-analysis, May 2014, Washington DC

Dagne, GA, Gishe, J., Odedina, F. Models for Assessing the Use of Nutritional Supplements Variation in Black Men. December 2014, Tampa, FL.

Dagne, GA. Zero-Inflated Models for Assessing Risk Factors of Prostate Cancer. November 2014, Montego Bay, Jamaica.

***Dagne, GA.** Multivariate Multilevel Modeling of Behavioral Interaction Data. November 2014, Tampa, FL.

Dagne, G. A., Brown, H. Howe, G. Testing for Moderation in Network Meta-Analysis with Individual Participant Data. SPR, May 2013, San Francisco, CA.

Dagne, G. A., Brown, H. Howe, G. Network Meta-Analysis with Individual Participant Data. JSM, July 2012, San Diego, CA.

***Dagne, G. A**. Moderated Network Meta-Analysis with Individual Participant Data. CTSI, College of Medicine, August 2012, Tampa, FL.

***Dagne, GA,** Brown, H. Howe, G. Benefits of Individual Participant Data in a Network Meta-Analysis May 2012, Washington, DC.

Dagne, GA. New Biostatistical Methods for Analyzing HIV/AIDS Data with a Lower Limit of Quantification, April 2012, Addis Ababa, Ethiopia.

***Dagne, GA,** Huang, Y. Bayesian Inference for Nonlinear Mixed-Effects

Tobit Models with Skew-Elliptical Distributions., March 2012, Omaha, NE.

Mbah AK, Alio A, Fombo D, August E, **Dagne, GA**, Salihu H. Association between cocaine abuse and placenta-associated syndromes: Minimizing bias using quasi-experimental approach. 139th APHA Annual Meeting & Exposition, Oct 29-Nov 2, 2011, Washington, D.C

Dagne, GA, Snyder, J. Observed Child Emotion Regulation: A Case of Creating and Applying Analytic Tools to Fit a Complex Research Question. SPR June 2010, Denver, Colorado.

*__Dagne, GA__, Snyder, J. Relationship of Maternal Moods to Child EmotionRegulation during Family Interaction, SPR June 2010, Denver, Colorado.

*__Dagne, GA__., Bivariat Multilevel Modeling of Behavioral Social Interaction Data: Application to Job Loss. April 2011, Atlanta, GA. Georgia State University.

Dagne, GA. Bayesian Approach to Zero-inflated Ordered Probit Models. August 2010, Vancouver, Canada, JSM Annaul Meeting.

Dagne, GA. Unbalanced Designs: Network Meta-Analysis. March 2011, Miami, FL, University of Miami

Dagne, GA. Addressing Context in a Network Meta-Analysis: Gains in Power. April 2011, Tampa, FL, PSMG

Odedina FT, **Dagne G**, LaRose-Pierre M, Scrivens J, Emanuel F, Adams A, Pressey S, Odedina AO. Within-group differences between native-born and foreign-born Black men on prostate cancer risk reduction and early detection practices. Podium presentation; 2010 AACR Science of Cancer Health Disparities Meeting. September 30 – October 3, 2010. Miami, FL. **(Featured by Medscape News)**

Odedina FT, **Dagne G**, LaRose-Pierre M, Scrivens J, Emanuel F, Adams A, Pressey S, Odedina AO. Modifiable prostate cancer risk reduction and early detection behaviors in Black men. Invited Speaker; The Science of Global Prostate Cancer Disparities in Black Men conference. August 27 – 29, 2010. Jacksonville, FL.

Odedina FT, **Dagne G**, LaRose-Pierre M, Scrivens J, Emanuel F, Adams A, Pressey S, Odedina AO. Variations between African immigrants and native-born Black men relative to health care practices. US Conference on African Immigrant Health, April 7-11, 2010. Atlanta, GA.

***Dagne, GA**, Gurmu, S. Bayesian Approach to Zero-Inflated Ordered Probit Model, SEA Conference San Antonio, Texas, November 23, 2009.

Dagne, GA. Multivariate, Multilevel Modeling of Behavioral Interaction Data", JSM Annual Meeting, Washington, DC, August 2009.

***Dagne, GA**., Howe, G, Brown, H**.** Multivariate, Multilevel Modeling of Social Interactions Data", AERA Annual Meeting, San Diego, CA, April 2009.

***Dagne, GA.** Bayesian Approach to Zero-Inflated Ordered Probit Model, SBIES Washington University in St. Louis, May 1 -2, 2009

Dagne, GA Multilevel Multivariate Models for Prevention Research, PSMG Annual Meeting/Johns Hopkins University, March 2008.

Dagne, GA, Brown, H. Multilevel Models for Alternative Designs for Follow-Up Using The First Baltimore Prevention Program", PSMG Annual Meeting, Johns Hopkins University, March 2008.

Dagne, GA. Stopping Rules in Adaptive Designs, PSMG, Tampa, January 2008.

Dagne, GA. Smoking Cessation Programs, PSMG, Tampa, January 2008.

Dagne, GA. Multivariate Multilevel Models, Biostatistics Forum, Tampa, January 2008.

Dagne, GA. Multivariate Multilevel Models for Prevention Trials, PSMG Seminar/EPB, Tampa, October 2007.

Dagne, GA. Bayesian Analysis of Repeated Behaviors Data in Social Interactions, American Statistical Assoc. Annual Meeting/Salt lake City/UT, August 2007.

***Dagne, GA.** Modeling of Pathways of Depressive Symptoms for Predicting MDD, Mood & Emotion Lab /Dept. Psychology, Tampa, February 2007.

Dagne, GA, Howe, G, Brown, H.. Multiple Mediation Models: An Application to Social interaction, SPR Annual Meeting, San Antonio, Tx, June, 2006.

Dagne, GA. Multiple Mediation Models: An Application to Social interaction, PSMG, Tampa, August 2006.

***Dagne, GA.** Log-linear Extensions to Study Complex Association Patterns in

Mediation Models", Biostatistics Forum, Tampa, October 2006.

***Dagne, GA**. New statistical methods for modeling depressive symptoms in children and adolescents." Department of Psychology, USF, March 2006.

Dagne, GA, Snyder, J. Multistate competing risks models: An application to children emotion regulation." The Society of Prevention Researchers Annual Meeting, May 2005, Washington, DC.

Dagne, GA, Synder, J. Bayesian analysis of repeated events, multistate durations in behavioral observation," Joint Statistical Meeting, Toronto, Canada, August 2004.

"

Dagne, GA, Synder J. Multistate competing risks duration models in behavioral observation," The Society for Prevention Research 12th Annual Meeting, Quebec, Canada, June 2004.

Dagne, GA. Hierarchical Bayesian Analysis of correlated zero-inflated count data, Joint Statistical Meeting, San Francisco, CA, August 2003.

Dagne, GA. The Modeling of structure of problem solving interactions in couples facing job loss, The Society for Prevention Research 11th Annual Meeting, Washington, DC, June 2003.

Dagne, GA, Brown, H, Howe, G. Hierarchical Bayesian Modeling of Heterogeneity in Multiple Contingency Tables, The Society for Prevention Research 11th Annual Meeting, Washington, DC, June 2003.

Dagne, GA. Multilevel modeling of behavioral observation data, EPB Seminar, February 2003, Tampa, FL.

Dagne, GA. Hierarchical modeling of observational data," Oregon Social Learning Center, December 2002, Eugene, OR.

Dagne, GA, Brown, H, Howe, G. Hierarchical modeling of association structures of a set of sequential categorical data: A Bayesian approach," Joint Statistical Meeting, August 2002, New York.

Dagne, GA, Brown, H, Howe, G. Bayesian hierarchical modeling of association structures of a set of sequential categorical data," The Society for Prevention Research 10th Annual Meeting, June 2002, Seattle, WA.

Dagne, GA, Brown, H, Howe, G Hierarchical modeling of association structures of behavioral data in multiple contingency tables," Prevention Science and Methodology Group Workshop at UCLA, Los Angeles, CA, February 2002.

Dagne, GA. New methods to account for structure in sequential behavioral Data. The Society for Prevention Research 9th Annual Meeting, , Washington, DC, June 2001.

Dagne, GA. Empirical Bayes methods to account for structures in sequential behavioral data," Joint Statistical Meeting, Atlanta, GA, August 2001.

Dagne, GA. Random effects for modeling couple interactions, The Society for Prevention Research 8th Annual Meeting, Montreal, Canada, June 2000.

Dagne, GA. Bayesian analysis of latent variables in count data, The Society for Prevention Research 7th Annual Meeting, New Orleans, LA, June 1999.

Dagne, GA. Power transformation in components of variance models for small area estimation, American Statistical Association Proceedings of the Section on Survey Research Methods, Dallas, Texas, August 1998.

Dagne, GA, Press, J. Robustness of DNA image classification with respect to spatial correlation," Joint Statistical Meeting, Chicago, IL, August 1996.

Dagne, GA, Press, J. SUR models for small area estimation," Joint Statistical Meeting, Chicago, IL, August 1996.

****Denotes invited presentation***

TRAINING WORKSHOPS:

Integrated Data Analysis (IDA) Workshop, Tampa, May 2011.

15th Annual Sloan-C International Conference on Online Learning, Orlando, October 28 - 30, 2010.

Mplus Training Workshop, Washington, DC, September 2002

Longitudinal Data Analysis using Mixor, Washington, DC, May 2001

Cost- benefit Analysis of Preventive Interventions, Montreal, Canada, May 2000

PROFESSIONAL SERVICE

Department Level

2012-2016	Co-Director, Biostatistics PhD Program, Department of Epidemiology and Biostatistics, College of Public Health, USF
2006-present	Director, Certificate Program in Biostatistics, Department of Epidemiology and Biostatistics, College of Public Health, USF
2003-present	Director/lead, MPH Biostatistics Program, Department of Epidemiology and Biostatistics, College of Public Health, USF
2011	Member, Faculty Search Committee, Department of Epidemiology and biostatistics, College of Public Health, USF
2010	Member, Faculty Search Committee, Department of Epidemiology and biostatistics, College of Public Health, USF
2005-2009	Chair, Department APT Committee, Department of Epidemiology and Biostatistics, College of Public Health, USF
2005-2017	Member, Department APT Committee
2005-Present	Member, Biostatistics PhD Admission Committee, Department of Epidemiology and Biostatistics, College of Public Health, USF
1999-Present	Member, Curriculum Committee, Department of Epidemiology and Biostatistics, College of Public Health, USF
1997-Present	Member, Biostatistics MPH Admission Committee, Department of Epidemiology and Biostatistics, College of Public Health, USF
2000- 2005	Member, PhD Biostatistics Planning Committee, Department of Epidemiology and biostatistics, College of Public Health, USF
2000- 2004	Member, Awards & Scholarships Committee, Department of Epidemiology and biostatistics, College of Public Health, USF
1999-2002	Member, Student Affairs, Department of Epidemiology and biostatistics, College of Public Health, USF
2001-2002	Member, Faculty Search Committee, Department of Epidemiology and biostatistics, College of Public Health, USF

College Level

2019-present	Member, Academic Master Plan
2018-present	Member, COPH Diversity Committee
2013-2017	Member, Taskforce for Transforming MPH, College of Public Health, USF
2011-2017	Member, College APT Committee, College of Public Health, USF
2009-2014	Member, Academic Curriculum Committee, College of Public Health, USF
2011	Member, Faculty Search Committee, Department of Health Policy & Management, College of Public Health, USF
2006	Member, Faculty Search Committee, Department of Global Health, College of Public Health, USF
2004-2009	Member, Outcome Assessment Committee, College of Public Health, USF
2001	Member, Staff Search Committee, College of Public Health, USF
1999-2002	Member, Graduate Programs and Curriculum Committee, College of Public Health, USF
1997-1998	Member, Lab and Safety Committee, College of Public Health, USF

University Level

2014-present	Member, Executive Committee, IDSC
2008-2010	Member, Library Council, USF
2007-present	Member, Africa Initiatives Group, USF
1998-1999	Faculty Advisor for African Students' Association, USF.
1997-present	Member, Black Faculty & Staff Association, USF

National/International Level

2012-present	Leader, Collaborative Initiative between USF and Addis Ababa University, Ethiopia
2012-2018	Associate Editor, International Journal of Statistics and Probability
2012	Member, Organizing Committee, International Conference & Exhibition on Biometrics & Biostatistics, Omaha, NE
2012	Chair of a session, International Conference & Exhibition on Biometrics & Biostatistics, Omaha, NE
2010	Chair of a session, Joint Statistical Meeting, Vancouver,

	Canada
2010	Chair of session, Southern Economics, San Antonio, TX
2010	Organizer of a symposium, Society of Prevention Research, Denver, CO
2009	Reviewer, NSF grant
2005-present	Reviewer, Harvey Fellowship Grant
2004	Member, MPH core competencies in Biostatistics, Association of Schools of Public Health (ASPH)
2003	Organizer and Chair of session, SPR, Washington, DC
1998- 2005	College representative, Diversity Committee, American School of Public Health (ASPH).

COMMUNITY ENGAGEMENT

2012	A research report to the community: "The Florida Black Men's Health Survey 2010-2012 Report" (PI; Odedina)
2010	A research report to the community: "Do Black men's health and cultural Beliefs affect prostate cancer prevention and detection?" (PI; Odedina)
2006-2008	President, Ethiopian-American Community Association, Tampa Bay
1999-2001	Founding President, Ethiopian-American Community Association in Tampa Bay
1999-present	Chair, Education Committee, Ethiopian-American Community Association, Tampa, Florida
1999-2000	Chair, Famine Relief Fund Raising Committee, Ethiopian-American Community Association, Tampa, Florida

TEACHING AND ADVISING

New Programs Developed

2011- 2012	Played a leadership role in developing new online graduate certificate program in applied Biostatistics.

2006- 2007 Played a leadership role in developing new graduate Certificate program in Biostatistics.

2003- 2005 Played a leadership role in developing new PhD program in Biostatistics

Newly Developed Masters Courses

PHC6084: Bayesian Data Analysis
PHC 6057: Biostatistical Inference I
PHC6934: Applied Mixed Models in Public Health Practice
PHC 6060: Biostatistics Case Studies & Consulting I (team-taught)
PHC 6934: Linear Models (team-taught)

Newly Developed PhD Courses

PHC 7056: Longitudinal Data Analysis
PHC 7053: Generalized Linear Models

Newly Developed Undergraduate Course (team-taught)

PHC 4069: Biostatistics in Society

Courses Taught

Year	Semester	Course Title
2022/2023	Spring	Longitudinal Data Analysis
		Survival Analysis
	Summer	Generalized Linear Model
	Fall	Categorical Data Analysis
		Appl. Advanced Biostat. Methods
		Bayesian Data Analysis
2021/2022	Spring	Longitudinal Data Analysis
		Survival Analysis
	Summer	Generalized Linear Model
	Fall	Categorical Data Analysis
		Appl. Advanced Biostat. Methods
		Bayesian Data Analysis
2020/2021	Spring	Longitudinal Data Analysis

		Survival Analysis
	Summer	Generalized Linear Model
	Fall	Categorical Data Analysis
2019/2020	Spring	Longitudinal Data Analysis
		Survival Analysis
	Summer	Generalized Linear Model
	Fall	Bayesian Data Analysis
		Appl. Advanced Biostat. Methods
2018/2019	Spring	Survival Analysis
	Summer	Generalized Linear Model
		Biostatistics II
	Fall	Bayesian Data Analysis
2017/2018	Spring	Longitudinal Data Analysis
		Survival Analysis
		Case Studies & Collaboration I
	Summer	Generalized Linear Model
		Biostatistics II
2016/2017	Spring	Generalized Linear Model
		Biostatistics II
		Case Studies & Collaboration I
	Fall	Biostatistics in Society
2015/2016	Spring	Longitudinal Data Analysis
		Biostatistics II
		Case Studies & Collaboration I
	Summer	Biostatistics II
	Fall	Bayesian Data Analysis
		Biostatistics in Society
2014/2015	Summer	Biostatistics in Society
	Fall	Biostatistical Inference II
	Spring	Generalized Linear Model
		Case Studies & Collaboration I
		Bayesian Data Analysis
2013/2014	Fall	Biostatistical Inference II
2013/2014	Summer	Biostatistics in Society (undergrad.)
2012/2013	Spring	Generalized Linear Models,
		Case Studies & Collaboration I
		Biostatistics II
2012/2013	Fall	Biostatistical Inference II
2011/2012	Fall	Biostatistical Inference II
	Spring	Longitudinal Data Analysis
		Case Studies & Collaboration I
	Summer	Summer Institute in Biostatistcs
2010/2011	Fall	Longitudinal Data Analysis
	Spring	Generalized Linear Models
		Case Studies & Collaboration I

	Summer	Summer Institute in Biostatistcs
2009/2010	Fall	Biostatistics II
		Biostatistics in Society
	Spring	Biostatistics I (online)
		Biostatistics II (online)
		Case Studies & Collaboration I
	Summer	Linear Model
		Summer Institute in Biostatistcs
2008/2009	Fall	Biostatistical Inference II
	Spring	Longitudinal Data Analysis
		Case Studies & Collaboration I
	Summer	Linear Model
2007/2008	Fall	Biostatistical Inference II
	Spring	Generalized Linear Model
		Case Studies & Collaboration I
	Summer	Linear Model
2006/2007	Fall	Biostatistical Inference II
	Spring	Longitudinal Data Analysis
2005/2006	Fall	Biostatistical Inference I
	Spring	Generalized Linear models
2004/2005	Summer	Probability
	Fall	Biostatistical Inference I
	Spring	Generalized Linear models
2003/2004	Fall	Biostatistical Inference I
	Spring	Longitudinal Data Analysis
2002/2003	Fall	Biostatistical Inference I
	Summer	Applied Mixed Models in Public Health Practice
2001/2002	Fall	Biostatistics II
	Spring	Independent Studies (1)
	Summer	Applied Mixed Models in Public Health Practice
2000/2001	Fall	Biostatistics II
	Spring	Biostatistical Inference I
	Summer	Applied Mixed Models in Public Health Practice
1999/2000	Fall	Biostatistics II
	Spring	Biostatistical Inference
	Summer	Applied Mixed Models in Public Health Practice
1998/1999	Fall	Biostatistical Theory and Methods I
	Spring	Biostatistical Theory and Methods II
	Summer	Biostatistics I
1997/1998	Fall	Biostatistics I
		Biostatistical Theory and Methods I

	Spring	Biostatistical Theory and Methods II
		Independent Studies (1)
	Summer	Biostatistics I
		Independent Studies (3)
1996/1997	Fall	Biostatistical Theory and Methods I
	Spring	Biostatistical Theory and Methods II
	Summer	Applied Regression Analysis

Ph.D. Advisees (Dissertations)

1998-Present

Hamisu Salihu, Epidemiology (member, graduated, 2001)
Amenda Persad, Epidemiology (member, graduated, 2002)
Martha Arrieta, Epidemiology (member, graduated, 2002)
Robert Frey, Health Policy and Management (member, graduated, 2002)
Danielly Orozco, Engineering (member, current)
Irene Pintado, Community and Family Health (graduated, 2006)
Charlan Krdelinger, Epidemiology (graduated,2006)
Tomas Tamulis, Environmental and Occupational Health (member, graduated, 2005)
Alex Carr, Environmental and Occupational Health (member, graduated, 2003)
Kristin Uhde, Environmental and Occupational Health (member, graduated, 2003)
Tamara Lee, Health Policy and Management (member, current)
Peter Toynibo, Biostat (**Co-Major Advisor**, graduated 2009)
Carol Oladele, Epi (member, graduated, 2011)
Caroline Peterson, Anthropology (member, graduated 2008)
Kari Ellingstand, Epi (member, graduated 2011)
Margaret Kowski, Epi (member, graduated 2011)
Nitin Patel, Biostat. (**Major Advisor**, left)
Johnna Massaro, Biostat. (**Major advisor**, left)
Ayesha Johnson, Biostat. (**Major advisor**, moved to EOH)
Rajendra Kadel, Biostat. (**Major advisor**, Graduated 2014)
Alexia Markis, Biostat. (member, upto 2012)
Ping Xu, Biostat. (member, graduated 2012)
Ren Chen, Biostat. (member, graduated 2013)
Jennifer Kornosky, Epi (member, graduated 2010)
Jennifer Permuth Wey, Epi (member, graduated 2010)
Jemal Gishe, Biostat (**Major advisor**, current**)**
Ronnee Wilson, EPI (member, graduated 2013)
Dongxuan Xing, Biostat (member, graduated 2015)
Xiao Liu, EOH (member, 2012-2017)
Christin Hall, Biostat(**Major Advisor**, 2018)

Kelle Miller, EPI (member, graduated 2015)
Amanuel Fekade, Accounting (member, graduated 2015)
Semiha Ahmedova, Geography (member, current)
John Oryema, Economics (member, 2018)
Seidu Inusah, Biostat (**Major Advisor**, current)
Mehrnaz Abdollahian, Engineering (member, graduated 2015)
Kenneth Taylor (Epi, graduated 2022),
Joseph Ficek (Epi, graduated 2021)

MSPH Advisees (Theses)

1998-Present

Jennifer E. Rohr, Biostatistics *(***Major Advisor**, graduated 1999)
Linda Huang, Biostatistics (*(***Major Advisor**, graduated 1999)
Xiao-Ling Huang, Biostatistics (**Major Advisor**, graduated 1999)
Cristiane M. Morales, Biostatistics (**Major Advisor**, graduated 1999)
Ilfra V. Raymond, Biostatistics (**Major Advisor**, graduated 2000)
Victor A. Loher, Biostatistics (**Major Advisor**, graduated 2000)
Octavio Quinnes, Biostatistics (**Major Advisor**, graduated 2000)
Sean Woodruff, Biostatistics (**Co-major Advisor**, graduated 2001)
Marcella Fennel, Biostatistics (**Major Advisor**, graduated 2002)
Latetia Moore, Biostatistics (**Co-major Advisor,** 2002)
Dawn Carney, Biostatistics (**Co-major Advisor**, graduated 2002)
Linan Ma, Biostatistics (**Co-major Advisor,** 2004)
Sharon E. Phillips, Biostatistics (member, graduated 1998)
Susan L. Zito, Biostatistics (member, graduated 1998)
Claudine Samanic, Biostatistics (member, graduated 1999)
Rajeeb Das, Biostatistics (member, graduated 2000)
Chelsea A. Kuhl, Biostatistics (member, graduated 2000)
Xiangyl Chen, Biostatistics (member, graduated 2000)
Suzanne Dabroski, Epidemiology and Biostatistics (member, Graduated 2000)
Manjula Mendis, Biostatistics (member, graduated 2001)
Mathew Callander, Biostatistics (member, graduated 2002)
Gwendlyn Beaver, Biostatistics (member, graduated 2002)
Fenna E. Bacchus, Political Science (member, graduated 2002)
Roger N. Arumugam, Environmental and Occupational Health (member, graduated 2002)
Sanjiv Rao, epid, graduated 2002
Angela Butler, Epidemiology and Biostatistics (member, Graduated 2004)

James Bates, Epidemiology and Biostatistics (member, graduated 2002)
Michael R. Wessel, Biostatistics (member, graduated, 2005)
Peter Toyinbo, Biostatistics (member, graduated,2005)
Michael Drennon, Epidemiology and Biostatistics (member, graduated, 2006)
Samantha Jones, Epi (member, graduated, 2011)
Dmitry Kats, Biostat(**Major Advisor**, 2009-2011)
Christin Hall, Biostat(**Major Advisor**, graduated 2014)
Ruina He, Biostat (**Major Advisor, current)**

MPH Advisees (Special Projects)

1998-Present

Kimberely S. Might, Biostatistics (graduated, 1999)
Zhaohu Fan, Biostatistics (graduated, 2000)
Yong Flannagan, Biostatistics (graduated, 2000)
Fangfei Chen, Biostatistics (graduated, 2002)
Wenhong Li, Biostatistics (graduated 2003)
Martin Paczkowski, Biostatistics (graduated 2003)
Xuemei Yang, Biostatistics (graduated 2003)
Mariya Dontchev, dual degree (graduated, 2005)
Vivian Thompson, dual degree (graduated, 2005)
Elizabeth Dahlquist, Biostat (graduated, 2005)
Michael Graven, Distance Learning (graduated, ??)
Robert Fay , Biostat (graduated, 2006)
Gao Gui, Biostat (graduated, 2006)
Jennifer Hudson, dual degree (graduated, 2006)
Nitin Patel, Biostat. (graduated, 2007)
Katheryne Downes , Biostat. (graduated, 2007)
Martha Hackett, Biostat. (graduated, 2008)
Manoj Agravat, Biostat. (graduated, 2008)
Shandey Malcolm, Dual Biostat./epid (graduated, 2008)
William Lapcevic, Biostat. (graduated, 2009)
Ginelle Chirstolin, Biostat. (left, 2010)
Mary Moore, Biostatistics (graduated, 2011)
Lei Luo, Biostat (graduated, 2011)
Enass Duro, Biostat (graduated 2012)
Brandon Craig, Biostat (graduated, 2012)
Sandra Ferrel-Gill, dual Biostat/Epid (graduated, 2012)
Ryan Bethune, Biostat (current)
Jazmine Mateus, Biostat. (current)
Erin Fowler, Biostat. (graduated 2015)
Milena Stoyanova, Biostat (current)

Timothy Worely , Biostat (current)
Hanna Weldeselasse, Biostat (graduated 2016)
Milena Teneva Stoyonova, Biostat (graduated 2016)
Youngmi Kim, Biostat (current)
Elise Kaufman, Biostat (graduated 2017)
Joshua Paul DiGennaro, Biostat (graduated 2017)
Julie Burgan, Biostat (graduated 2016)
Thais Iznaga, Biostat (graduated 2017)
Markku Malmi, Biostat (Graduated 2015)
Sarah Pigott, Biostat (graduated 2017)
Ameenah Lashley, Biostat (graduated 2018)
Tim Leighton, Biostat (graduated 2017)
Krupa Patel, Biostat (graduated 2016)
Karolina Prymulova, Biostat (graduated 2016)
Katie Stanzilis, Biostat (graduated 2017)