

CURRICULUM VITAE

Name: Mulugeta Gebregziabher

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Fax: (843) 876-1126

Education:

Institution/Location	Years	Degree/Date (Mo/Yr)	Field of Study
Addis Ababa University	1991-94	B.Sc/July 1994	Statistics
Addis Ababa University	1995-98	M.Sc/July 1998	Statistics
University of Southern California	2002-2006	Ph.D/May 2006	Biostatistics

Faculty Appointments:

Years	Rank	Institution	Department
Sept 1996-98	Asst. Lecturer	Addis Ababa University	Statistics
Sept 1998-2001	Lecturer	Addis Ababa University	Statistics
July 2006-2012	Asst Professor	MUSC	Biostatistics & Epidemiology
July 2012-2013	Assoc Professor	MUSC	Biostatistics & Epidemiology
July 2013-2016	Assoc Professor	MUSC	Public Health Sciences
May 2016-present	Research Health Scientist	R.H.J.VA	VA-HEROIC
July 2016-present	Professor	MUSC	Public Health Sciences
Jan 2019-present	Professor (tenured)	MUSC	Public Health Sciences

Administrative Appointments:

Years	Position	Institution	Department
2015-	Co-leader of Biostatistics Core	Charleston VA	HEROIC center of innovation
July 2017-	Vice Chair for Academic Programs	MUSC	DPHS
Dec 2018-	Acting Director	Charleston VA	HEROIC center of innovation

Other Experience:

Years	Position	Institution	Department
1994-96	Graduate Asst	Addis Ababa University	Statistics
1995-1996	Consultant	World Bank, Ethiopia	
1996-1998	Consultant	UN-Economic Commission for Africa	UN-ECA
2001-2002	Graduate Asst	Bowling Green State Univ	Math & Statistics
2002-2006	Research Asst	University of Southern California	Preventive Medicine

Membership in professional/scientific societies:

National Societies

1. American Statistical Association (ASA)
2. International Biometric Society, Eastern North American Region (ENAR)
3. Statistical Society of Ethiopians in North America (President 2012-13, President elect 2011)
4. American Public Health Association (APHA)

Local Societies

5. South Carolina Chapter of the ASA (President 2014-15, Vice President 2011-14, Chapter Rep 2009-11)
6. Ethiopian Statistical Association (member of executive committee 1999-2001)
7. Global Tigray Scholars Association, Member, 2017-
8. Ethiopian Diaspora for Research and Education Advancement through Partnership, Secretary, 2012-
9. Ethiopian Public Health Association in North America (EPHA-NA)

National and Local Societies Offices Held

1. Chairman- Ethiopian Public Health Association in North America (EPHA-NA), Nov 2018
2. Officer: American Statistics Association- Statistics in Imaging section, Jan 2015-2018
3. President: SC Chapter of the American Statistical Association May 2013-2015.

4. President- Statistical Society of Ethiopians in North America, Aug 2012-13
5. President Elect - Statistical Society of Ethiopians in North America, Aug 2011-12
6. Chapter Representative- SC Chapter of the American Statistical Association, April 2009-April 2011
7. Vice President - SC Chapter of the American Statistical Association, April 2011-May 2013
8. Secretary- Ethiopian Diaspora for Research and Education Advancement thorough Partnership, 2012-

Editorial Positions

Editorial Board Member and Statistical Editor: BMJ-Heart Journal, since March 2014

Editorial Board Member: Journal of Biometrics and Biostatistics, Since June 2010

Editorial Board Member: Ethiopian Journal of Science and Technology, Since January 2014

Editorial Board Member: Journal of Medical Statistics and Informatics, Since Aug 2013

Referee for peer review journal (Manuscript Review)

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|---|---|
| 1. Biometrics | 15. Journal of Computer Methods |
| 2. Statistics in Medicine | 16. Journal of Cancer Epidemiology |
| 3. American Statistician | 17. Journal of Genetic Epidemiology |
| 4. American Journal of Epidemiology | 18. General Internal Medicine |
| 5. JRSS-A and JRSS-B and JRSS-C | 19. Journal of Ethiopian Statistical Association |
| 6. Journal of statistical planning and inference | 20. Journal of Biometrics and Biostatistics |
| 7. BMJ-Heart | 21. General Internal Medicine |
| 8. Journal of Statistical Methods in Medical Research | 22. Annals of Pharmacotherapy |
| 9. Annals of Epidemiology | 23. Journal of Statistical Computation and Simulation |
| 10. Mathematical Biosciences | 24. Diabetes Care |
| 11. Stat Methods in Medical Research (SMMR) | 25. Journal of Children and Poverty |
| 12. Annals of Applied Statistics | 26. PLoSOne |
| 13. Journal of Diabetes and its complication | 27. eGEMs |
| 14. Journal of Artificial Intelligence in Medicine, | |

Grant Review Activities

1. NIH study section, KNOD, Feb 2019; June 7-8, 2017; Sept 29, 2016; Feb 4-5, 2016;
2. NIH- Cancer, Cardiovascular, and Sleep Epidemiology Panel B Study Section – June 18-19,2015
3. NIH- Social Sciences and Population Studies Study Section [SSPS] A review group – May 28-29,2015
4. CDC- Natural Experiments Special Emphasis Panel (March 28, 2017; May 5-6, 2015)
5. MUSC-CGH Pilot projects review panel (5 applications) – May 8th, 2015, Feb 2018
6. MUSC-COHR Pilot projects review panel (one application) – April 20, 2015
7. VA-HSR&D Merit grant internal review Panel, June 2015, Dec 2016, June 2017, Dec 2017, 2018
8. Grant Review for the Micheal J.Fox Foundation, 2007
9. Grant Review for the Charleston VA HSR&D pilot project funding, 2008-2012
10. Grant Review for the Center for Health Disparity research pilot project funding, 2008-2012
11. Grant Review: Research Talent programme of the Netherlands Organisation for Scientific Research (NWO), Division of Social Sciences, March 2013

Professional meeting chair/Organizer

Organizer and presenter	Charleston Health Equity Symposium, Oct 16, 2018, Charleston, SC
Organizer and presenter	ICHPS, Jan 10-12, 2018, Charleston, SC
Organizer and presenter	JSM 2017, July 2017, Baltimore, MD

Organizer and presenter	Int Workshop on Research Methods, July 2017, Addis Ababa, Ethiopia
Organizer and presenter	Int Workshop on Research Methods, Oct 2016, Addis Ababa, Ethiopia
Organizer and presenter	MUSC global health symposium, Nov 6, 2016, MUSC, SC
Session Chair	MUSC global health symposium, Nov 2-4, 2015, MUSC, SC
Session Chair	JSM2015 August 2015, Seattle, WA
Organizer and presenter	Int Workshop on Research Methods, July 2015, Addis Ababa, Ethiopia
Organizer and presenter	ENAR 2010 New Orleans, LA
Organizer and presenter	JSM 2012 San Diego, CA
Organizer and chair	SCSC Spring Meeting March 15, 2015, Columbia, SC
Organizer and chair	SCSC Fall Meeting Nov 15, 2014, Clemson, SC
Organizer and chair	International year of Statistics Oct 2013, Charleston, SC
Organizer and chair	SCASA Spring Meeting, Feb 2013-April 2014 Columbia, SC
Organizer and chair	SCASA Fall Meeting, Aug 2013-Oct 2013, Charleston, SC
Organizer and chair	SCASA Spring Meeting, Feb 2012-April 2013 Columbia, SC
Organizer and chair	SCASA Fall Meeting, Aug 2012-Dec 2012, Charleston, SC
Organizer and chair	SCASA Spring Meeting, Feb 2011-April 2011 Columbia, SC
Organizer and chair	SCASA Fall Meeting, Oct 2010-Dec 2010, Charleston, SC
Organizer and chair	SCASA Fall Meeting, Oct 2009-Dec 2009, Charleston, SC
Organizer and chair	SCASA Spring Meeting, Feb 2009-April 2009, Columbia, SC
Organizer and chair	SCASA Spring Meeting, Feb 2010-April 2010, Columbia, SC

Leadership Activities

1. Vice Chair- DPHS Academic programs
 - a. Leading CEPH accreditation of our MPH programs including MPH-Biostatistics
 - b. Led CHE approval process of our PhD and MS programs (Biostatistics and Epidemiology)
 - c. Led organization of National public Health week (April 1-5, 2018)
 - d. Led organization of Capstone symposium (twice this year)
 - e. Developed syllabus for MPH-PharmD dual degree program
 - f. Participated in the steering committee of the Public health Collaborative with Clemson University
2. Acting Director of VA HSR&D Innovation Center for Health Equity and Rural Outreach
3. Co-Leader of Methods Core for HSR&D funded Center of Innovation
 - a. Leading grant and manuscript development design and analysis plans
 - b. Coordinate seminars and workshops for investigators and research associates
 - c. Organize symposium on health equity and rural health
 - d. Develop methodology for health services research
 - e. Train and mentor PhD candidates to become leaders in health services research

Extramural Grants

Funded Grants: Current

R18 HS023754-01A1

(PI: Taber)

07/01/2017-06/30/2020

NIH / AHRQ

Improving Transplant Medication Safety through a Pharmacist-Led, mHealth-Based Program

(TRANSafe Rx Study)

This is a prospective, randomized, study that will test a mobile health and pharmacist intervention aimed at reducing medication safety events and improving clinical outcomes in kidney transplant recipients. Dr. Taber's effort for this grant is subsumed under his K23 until the career development grant ends.

Role: Co-Investigator

R01 (PI: **Ovbiagele**) 11/01/17 – 10/30/22
NIH/NIMD/NHLBI
Program to Avoid Cerebrovascular Events Through Systematic Tracking and Tailoring of Eminent Risk-factors (PACESETTER)

The goal of this study is to demonstrate that a theoretical-model based, mHealth technology-centered, multi-level integrated approach can be implemented to improve sustained BP control among 200 recent SC stroke patients (at least half of whom will be African Americans) within one month of symptom onset.

Role: Co-Investigator

5U01 NS079179-03 (PI: **Ovbiagele and Owolabi**) 05/01/2012-04/30/2019
NIH/NINDS

Tailored Hospital-based Risk Reduction to Impede Vascular Events after Stroke (THRIVES)

Goals: The overall aim of the Tailored Hospital-based Risk Reduction to Impede Vascular Events after Stroke (THRIVES) study is to determine whether a culturally-sensitive multipronged post-discharge intervention can significantly reduce blood pressure, enhance achievement of guideline recommended targets for risk factor control, and lower recurrent vascular events in a LMIC (Nigeria)

Role: Co-Investigator

NIH-Fogarty R21 NTW010479 **Ovbiagele (PI)** 09/01/16 – 08/31/18
Evaluation of Vascular Event Risk on Long-term Antiretroviral Suppressive Treatment (EVERLAST)

Study to characterize presence of vascular risk among 240 HIV subjects on cART in Ghana (vs. 240 cART-naïve HIV patients and 240 HIV-uninfected subjects) and explore factors influencing it, while building sustainable capacity for a future intervention study.

NIH/NINDS 1R25NS098999-01 **Ovbiagele (PI)** 12/01/2016 – 11/30/21

Training in Research for Academic Neurologists to Sustain Careers and Enhance the Numbers of Diverse Scholars (TRANSCENDS)

The major goals of this project are to train and inspire diverse post-residency fellows and junior faculty to conduct high-quality neurological research and develop successful academic careers.

Role: Biostatistician/Mentor

P50 DC000422-26 (**Dubno Prg Dir; Mills PI**) 1/1/14-12/31/18
NIH/NIDCD

Experimental and Clinical Studies of Presbycusis (Core B: Human Subjects Core)

The primary function of Core B is the collection, storage, and analysis of medical and audiologic information from human subjects, and the recruitment of human subjects into the research program. (Total Award - \$9,269,630)

Role: Co-Investigator

5K23DK099440-03 **Taber (PI)** 04/01/14-01/31/19
NIH/NHLBI

Impact of Cardiovascular Risk Control on Racial Disparities in Kidney Transplant

The goals of this Mentored Patient-Oriented Research Career Development Award are to better understand the role of cardiovascular (CV) risk factor control on racial disparities in kidney transplantation, and explore

promising mechanisms to improve CV risk factor control, while developing the PI into a well-trained patient-oriented researcher.

Role: Biostatistician/Mentor

MRS GT/MRS GM **Tanner (PI)** **06/01/15-05/31/20**

Expanding the findings of the NLST trial to underrepresented groups

This mixed-methods study will target those patients at high-risk for LC as identified by the USPSTF recommendation. Through qualitative focus groups, a decision-aid tool will be evaluated and refined. The goals of the study are: (a) To develop a culturally-sensitive decision aid tool, and (b) To evaluate the impact of the tool in combination with individualized counseling on patient knowledge and degree of informed decision-making regarding lung cancer risk and screening.

Role: Biostatistician/Mentor

VAMC HX002130 **(PI: Taber)** **10/01/17 – 09/30/21**

Improving Transplant Medication Safety Through a Technology and Pharmacist Intervention in Veterans (ISTEP Study)

This is a multicenter, prospective, cluster-randomized, parallel-arm study that will test the efficacy of a dashboard-enabled pharmacist intervention at reducing health care encounters and costs in veteran organ transplant recipients.

Role: Co-Investigator

VAMC HX001229 **Axon (PI)** **10/1/13 – 9/30/21**

Health Equity and Rural Outreach Innovation Center (HEROIC)

This Center's mission is to improve access and equity in healthcare for all Veterans by eliminating geographic, racial/ethnic, and gender-based disparities. The Center's research focus includes: 1) health equity, 2) access to care, and 3) rural health. The goal of the Center is to promote innovative research, facilitate partnerships and collaboration across disciplines, and increase the impact of health services research on the health and health care of Veterans.

Role: Co-Investigator/Biostatistician

VA HSR&D Merit HX001442 **Santa Ana (PI)** **7/1/14 – 6/30/18**

Group Motivational Interviewing (GMI) for Homeless Veterans in VA Services

The ultimate goal of this research is to establish the basis of a GMI dissemination and implementation course of action for highly vulnerable homeless Veterans in VA housing for achieving their greatest success in attaining housing stability.

Role: Co-Investigator/Biostatistician

Completed Research Support (past 3yrs)

VA OHE Project **(PI: Gebregziabher)** **12/01/2016-12/31/2018**

VA Office of Health Equity

Addressing missing data issues with race and ethnicity collection in the VA health system

The primary objective of this project is to improve the options for researchers when analyzing race/ethnicity data using VA administrative datasets using statistical and data augmentation techniques.

VA HSR&D Merit HX001093 **Axon (PI)** **12/1/13- 11/30/17**

Understanding Dual Use and Other Potential Determinants of Heart Failure Outcomes

This research project aims to better understand heart failure outcomes. To do this, we will interview several groups of people including Veterans, their family members, VA, and non-VA healthcare providers and officials. We will ask questions about their preferences for heart failure care and how they make decisions.

Role: Co-Investigator/Biostatistician

NIH/NHGRI/NINDS 1U54HG007479-01 **Owolabi and Ovbiagele (MPI)** **09/20/13 – 07/31/17**

Stroke Investigative Research & Education Network (SIREN)

Goals: The aim of SIREN is to determine whether a culturally sensitive, multi-pronged, post-discharge intervention can significantly reduce blood pressure, enhance achievement of guideline-recommended targets for risk factor control, and lower recurrent vascular events in low- and middle-income country (Nigeria).

Role: Co-Investigator

NIH/NIHCHD 1R01 HD069374-01A1 **Eckert (PI)** **05/01/12 – 04/30/17**

Methods for Retrospective Multi-Site Research

The goal of the grant is to integrate data from existing studies to increase power through appropriate statistical pooling of data across samples.

Role: Co-Investigator

PPO 14-362 **Tanner (PI)** **4/1/2016 – 3/31/2017**

VA HSR&D Pilot

Factors Influencing Veteran Informed Decision Making for Lung Cancer Screening

The objectives of this study are to: (a) assess the degree to which high-risk Veterans are making informed decisions regarding LC screening; and (b) evaluate the association between these beliefs and attitudes and patient's perceptions about their provider's communication about LC screening.

Role: Principal Investigator

CGH-MUSC Pilot **Gebregziabher (PI)** **9/1/2014-8/30/2015**

MUSC, Center for Global Health Pilot Grant Research

Spatiotemporal and regional variation in HIV testing.

Goal: To develop Bayesian methods for modeling clustered aggregated count data with missingness

Role: PI

HD062550-01A1 **DeVane (PI)** **10/01/2010-09/30/2015**

NIH/NICHHD

Biomarkers in Autism of Aripiprazole and Risperidone Treatment

The goal of the Biomarkers in autism of aripiprazole and risperidone treatment (BAART) project will provide evidence-based guidance in the selection and monitoring of drug treatment of autism.

Role: Co-Investigator

Awards, Honors, Membership in Honorary Societies:

1. Dean's list honor, Addis Ababa University, 1994
2. Young researcher prize, Belgian development cooperation prize 1999, Belgium
3. Eastern & Southern Africa Gender Research Competition Award, 1999
4. Ethiopian American Foundation Research Award 2000, U.S.A.
5. USC-department of preventive medicine poster contest winner, 2005
6. Best Academic Achievement Award by Univ Southern California, 2006
7. American Statistical Association Travel Award, Statistics in Epidemiology, 2007
8. SC EPSCoR/IDeA NSF Award for 25% research time, 2007-2008

9. International Biometric Society-ENAR workshop for Junior Investigators, Arlington, VA, 2008
10. Member: MUSC IP/ID strategic planning committee, Since Nov 2010
11. Nominated for MUSC Developing Scholar Award, June 2011
12. Advisory board: H3-Africa Data Sharing access and release workgroup, Jan 2014
13. Senator: MUSC Faculty Senate, Oct 2014 -now.
14. Nominated for the Roger-Harriet Award of the ASA, 2013
15. Nominated for MUSC Foundation Mentoring Award, Feb 2017
16. Awarded -2017 DPHS mentoring award, May 2017

Academic Committee Activities

Student PhD and MS thesis Committee

1. Current PhD students
 - a. Camillus Ezekiel, PhD candidate in Nursing
Dissertation: Cardiovascular disease risk and knowledge, perceptions and experiences of African immigrant taxi drivers in the DC Metro area: a Mixed methods study
 - b. Caroline Vrana, PhD candidate in Epidemiology
Dissertation: Gender equity in HIV self-testing uptake in Uganda and Kenya
 - c. Cameron Miller, PhD candidate in Biostatistics
Dissertation: Methods for the analysis of imaging mass spectrometry (IMS) data
2. Current MPH students
 - a. Marc Heinclman, MD, MPH candidate in Epidemiology
3. Past PhD students
 - a. Lin Dai -PhD, Primary Advisor
Dissertation: Methods for analysis of zero-inflated count data from complex surveys
 - b. Ralph Ward-PhD, Primary Advisor
Dissertation: Modeling comorbidity from electronic medical records
 - c. Delia Voronca -PhD, Primary Advisor
Dissertation: Methods for analysis of zero-heavy continuous data
 - d. Elizabeth Payne-PhD, Primary Advisor
Dissertation: Methods for analysis of count data with overdispersion and missingness
 - e. Georgiana Onicescu-PhD, **Dissertation Committee member (2012-2015)**
Dissertation: Spatially explicit survival modeling for small area cancer data
 - f. Rebekah Walker-PhD, **Dissertation Committee member (2012-2015)** **Social determinant of health**
 - g. Lydia King-PhD dissertation committee member, 2007-2009:
Dissertation: Risk factors for Autism in Coastal South Carolina,
 - h. Shayna Lunsford- PhD dissertation committee member, 2007-2008:
Dissertation: Racial disparities in living kidney donation among South Carolinians,
2. MS and MSCR students
 - a. Dr. David Taber, MSc in Epidemiology, DPHS
 - b. Dr. Nichole Tanner, MSCR 2013, "Attitudes & beliefs toward lung cancer screening US Veterans"
 - c. Dr. Mukoso Ozieh, MD (COM and VA-HSRD) – **MSCR Committee member (2014-2015)** **Impact of Guideline Adherence on Ethnic Disparities in Outcomes for Diabetic Kidney Disease**
 - d. Andre Kadima – MS Thesis committee member, 2009-2010: Mothers' perceptions of their own and their children's body weight in Charleston County, South Carolina
 - e. Eric Shiroma- MS Thesis: A state wide investigation of Traumatic Brain Injury in Prison, *Department of Biostatistics Bioinformatics and Epidemiology-MUSC*

- f. Dr. Eric Ortigoza – MS Thesis committee member, 2008-2009, Neuro-imaging of age related changes in speech recognition--Predoctoral training in clinical research in neuron-imaging
- g. Dr. Rimon Youssef – MS Thesis committee member, 2007-2008, Denosumab for treatment of Juvenile Osteoporosis- Master's in Clinical Research

Mentoring of Junior Faculty and RAs

1. Dr. Bryan Garcia, Asst Professor, COM
2. Dr. Alana Rojewski, PhD, Research Asst Professor, DPHS
3. Dr. Ralph Ward, PhD, Research Asst Professor, DPHS
4. Dr. Kathleen Crum, PhD, Postdoc, Institute of Psychiatry, MUSC
5. Dr. Naomi Brownstein, Postdoc and Visiting Asst Professor, FSU, (Aug 2014 -)
6. Dr. Nichole Tanner, Assistant Professor, Charleston REAP & MUSC (2013 -)
7. Dr. David Taber Pharm D. Assistant Professor Department of Surgery (2014 -)
8. Dr. Miran Jaffa, PhD, Assistant Professor, AUB (2014 – 2015)
9. Dr. Kenneth Vaden, PhD, Post doctoral fellow, MUSC (2012 -)
10. Dr. Mukoso Ozieh, MD (COM, Nephrology and VA-HSRD) (2014 -)
11. Dr. Kinfe Bishu, PhD (Center for Health Disparity, MUSC) (2014 –)
12. Dr. Neal Axon, MD – Mentor on his CDA grant to the Veteran Administration HSR&D
13. Dr. Charles Everett, PhD (RA at Charleston VA)
14. Kevin Armstrong, BS (RA at the Center for family research and Department of Neurology)
15. Research Assistants in HEROIC-RHJ VA (Derik Yeager, Barbara Wojewski)
16. Vinod Pandey, High School student at AMHS

Institutional Committee

1. Local organizing committee: 2018 International conference on health policy statistics, ASA, Charleston, Jan 10-12, 2018
2. MUSC-DPHS MPH program and curriculum committee (chair), Aug 2017-
3. MUSC-CGS Graduate Council (voting member), Aug 2017-
4. MUSC-CGS MSBS committee (member), Aug 2017-
5. MUSC-DBE curriculum committee (Chair 2009-2013, member since 2008)
6. MUSC-DBE advanced exam committee (since 2007)
7. MUSC-DBE student awards Committee, Chair (2008 - 2014)
8. MUSC-DBE library committee (chair from 2006-2010)
9. MUSC IP/ID University Wide Strategic Planning Committee, 2011-now
10. SCSC Spring Meeting, Organizing committee Chair, March 15, 2015, Columbia, SC
11. SCSC Fall Meeting, Organizing committee Chair, Nov 15, 2014, Clemson, SC
12. Chair of Organizing Committee: Statistics Day at MUSC, International year of Statistics, Oct 2013.
13. Organizing Committee Member, International workshop on linking Ethiopian Diaspora with research and development needs of Ethiopia, Dec 17-22, Ethiopia
14. SCASA Spring Meeting, Organizing Committee Chair, Feb 2013-April 2014
15. SCASA Fall Meeting, Organizing committee Chair, Aug 2013-Oct 2013
16. SCASA Spring Meeting, Organizing Committee member, Feb 2012-April 2013
17. SCASA Fall Meeting, Organizing committee Chair, Aug 2012-Dec 2012
18. SCASA Spring Meeting, Organizing Committee member, Feb 2011-April 2011
19. SCASA Fall Meeting, Organizing committee Member, Oct 2010-Dec 2010
20. SCASA Fall Meeting, Organizing committee chair, Oct 2009-Dec 2009
21. SCASA Spring Meeting, Organizing Committee member, Feb 2009-April 2009
22. SCASA Spring Meeting, Organizing Committee member, Feb 2010-April 2010

23. SRCOS-2008 Web-site development committee and Session Chair
24. MUSC Student Research Day – Reviewer/judge on racial disparity of health outcomes, 2008-2013.
25. VA-HSRD Grand Rounds Reviewer and Judge for pilot grants, Oct 2008- Oct 2013.

Major Teaching Responsibilities:

1. BMTRY 702: Methods IV- Advanced Regression and Design of Experiments, DPHS, 2018
2. BMTRY 702: Methods III- Advanced Regression and Design of Experiments, ; DBE, MUSC
 - a. Summer 2008, Fall 2010, Fall 2011, Fall 2012, Summer 2014, Fall 2015, Fall 2016
3. BMTRY 748: Epidemiology III
 - a. Fall 2013, Spring 2016, Spring 2018
4. Bayesian Biostatistics. Summer Institute, DBE-MUSC,
 - a. Spring 2010, 2011, 2012, 2013, 2015
5. Advanced Bayesian Biostatistics. Summer Institute, DBE-MUSC,
 - a. Spring 2013, 2015
6. BMTRY 789-02: Computing for Research I: Spring 2011- 2013; DBE, MUSC
7. BMTRY789-01: Current Topics in Biostat and Epi: Spring 2012, DBE, MUSC
8. BMTRY 789-03: Advanced regression, summer 2007; DBE, MUSC.
9. BMTRY 789-01: Cluster Analysis, summer 2007; DBE, MUSC.
10. BMTRY 701-: Methods II, Spring 2007; DBE, MUSC

Major Research/Clinical Interests and Responsibilities:

1. Statistical Methods for health services research (methods for analysis of longitudinal data, semi-continuous data, and data with point mass at zero, cost and expenditure data, multiple outcomes, modeling comorbidity and ICD data, risk prediction, bias reduction).
2. Analysis of missing data
3. Analysis of fMRI data
4. Design and analysis of large secondary data sets in epidemiological studies
5. Health services, outcomes and disparities research
6. Diabetes, lung cancer, kidney transplant, HF, Stroke, Dyslexia, Multiple Myeloma, hearing loss
7. Radiology and Imaging data analysis (Cardiac and Neuroimage)

Extramural Professional Activities:

Peer Reviewed Journal Articles: Published or accepted for publication in final form

Pre 2006 (Pre obtaining my PhD)

1. **Gebregziabher M** (1997). Regional differences effect on the performance of freshman students at Addis Ababa University. *Journal of Eth Education* 17: 58-65.
2. **Gebregziabher M** (1998). Determinants of household school demand in Ethiopia: A multivariate analysis. *East African Social Science Research Review* 14:19-48.
3. **Gebregziabher M.** and Gebru, A. (2000). Quantitative and qualitative methods in educational research. *Proceedings of the national conference on educational research in Ethiopia.* Institute of Educational Research, Amare Asgedom (eds.).
4. **Gebregziabher M** (1998). Determinants of school enrolment in Ethiopia. *Proceedings of national conference on quality of education in Ethiopia;* Amare Asgedom (eds).
5. **Gebregziabher M** and Gebru, A. (1999). Gender equity in education in Ethiopia: Hurdles, initiatives and prospects. *Journal of Development Research* 21:1-21.
6. **Gebregziabher M** and Gebru, A. (2000). Salient socio-economic and demographic aspects of school enrolment: The case of primary schooling in Ethiopia. *East African Social Science Review* 14:1-24.

7. **Gebregziabher M.** and Gebru, A. (2000). The longitudinal care of students at Addis Ababa University: the rationale for introducing enrolment management programs. Proceedings of the international Ethiopian studies conference; Institute of Ethiopian Studies, Taye Yimam (eds).
8. Gebru A and **Gebregziabher M.** (2003). A multidimensional analysis of student evaluations of college English instruction: An application of non-parametric methods. *Journal of Eth Education* 23:1-30.
9. **Gebregziabher M,** Bernestein L, Wang Y, Cozen W, et al (2004). Risk patterns of multiple myeloma in Los Angeles County, 1972-1999 (United States). *Cancer Causes Control* 2006 Sep; 17(7):931-938. PMID: 16841260.
10. Thomas DC, Xie R and **Gebregziabher M** (2004). Two-stage sampling designs for gene association studies. *Genet Epidemiol*; 2004 Dec; 27(4):401-14. PMID: 15543639.

Post 2006 (After obtaining PhD)

11. Cozen W, Gebregziabher M, Conti DV, et al. Interleukin-6-related genotypes, body mass index, and risk of multiple myeloma and plasmacytoma. *Cancer Epidemiol Biomarkers Prev.* 2006 Nov; 15(11):2285–91. PMID: 17119059.
12. Gassner EM, **Gebregziabher M,** Lee YS, Abro JA, Costello U, Schoepf UH. Dynamic visualization of the pulmonary valve at cardiac CT. *Radiological society of North America. 200 Scientific Assembly conference paper proceedings.*
13. Abro JA, Parker AT, **Gebregziabher M,** Thilo C, Costello U, Schoepf UH. Prognostic value of Stenosis Severity and Atherosclerotic Plaque Burden at Coronary CT Angiography for major adverse events: a population based outcome study. *Radiological society of North America. 200 Scientific Assembly conference paper proceedings.*
14. Key JD, **Gebregziabher M,** Marsh LD, and O'Rourke KM. Effectiveness of an intensive school-based intervention for teen mothers. *J Adolesc Health.* 2008 Apr; 42(4): 394-400. doi: 10.1016/j.jadohealth.2007.09.027. Epub 2008 Feb 7. PMID: 18346665
15. Esnaola NF, Knott K, Finney C, **Gebregziabher M,** Ford ME. Urban/rural residence moderates effect of race on receipt of surgery in patients with nonmetastatic breast cancer: A report from the South Carolina Central Cancer Registry. *Ann Surg Oncol.* 2008 Jul; 15(7): 1828-36. DOI: 10.1245/s10434-008-9898-x PMID: 18398659.
16. Richardson LK, Egede LE, Mueller M, Echols CL, **Gebregziabher M.** Longitudinal Effects of Depression on Glycemic Control in Veterans with Type 2 Diabetes. *Gen Hosp Psychiatry.* 2008 Nov-Dec;30(6):509-14. doi: 10.1016/j.genhosppsy.2008.07.001. Epub 2008 Sep 11. PMID: 19061676
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180. Sarfo S, Gebregziabher M, et al. Burden of Subclinical Carotid Atherosclerosis and Vascular Risk Factors Among People Living with HIV in Ghana. Accepted in *Journal of the Neurological Sciences*. Dec 2018.
181. **PATENT**: Owolabi MO et al. ACCESS AIM Clear Canvas Patent. *Patent Registration Number: NG/PT/NC/2016/2007 Online Application ID : OAI/PT/201608241411499-236786-264476*

Submitted/under review Publications:

1. Caroline Vrana-Diaz; Jeffrey Korte; Mulugeta Gebregziabher; Lauren Richey; Anbesaw Selassie; Michael Sweat; Anthony Gichangi. Relationship Gender Equality and Couples Uptake of Oral HIV Self-Testing Kits Delivered by Pregnant Women in Kenya. Submitted to *Journal of AIDS and Behavior*. Dec 2018.
2. **Gebregziabher M**, Haile E, Wellemariam T, Herbert TL, Obeid JS. Digitizing patient data in resource limited settings: a systematic review of electronic health record systems in sub-Saharan African countries Ref: IJMI_2018_957. Submitted to *International Journal of Medical Informatics*. Sept 27, 2018.
3. Ezekiel C, **Gebregziabher M**, Bishu K, Pope C. Cardiovascular Disease Knowledge and Current Risk Factors by Country of Birth: A Comparison of Ethiopian Born to Non-Ethiopian Born African Immigrant Taxi Drivers. Submitted to *Ethnicity and Health*. Dec 2018
4. David J Taber, Jordan Chiasson, Cory Fominaya, **Mulugeta Gebregziabher**. "Long-term assessment of NSAID use and potential nephrotoxicity risk in adult kidney transplant recipients" Submitted to *Transplantation*, Oct 2018.
5. Ralph Ward; Nicole Tanner, Gerard Silvestri, **Mulugeta Gebregziabher**. Comparison of Risk Prediction Models for Lung Cancer Diagnosis and Death. Submitted to *JNCI Cancer Spectrum*. Nov 2018.
6. Mayowa OWOLABI; **Mulugeta Gebregziabher**, PhD; Rufus O Akinyemi, MD, PhD, FMCP; Joshua O Akinyemi, PhD; Onoja M Akpa, PhD; Olanrewaju Olaniyan, PhD; Babatunde L Salako, MD, FWACP, MNIM; Oyedunni Arulogun, PhD, FRSPH; Raelle Tagge, MSc; Ezinne Uvere, MPH; Adekunle Fakunle, MPH; Bruce Ovbiagele, MD, FRCP. Randomized Trial of a Multipronged Intervention to Improve Blood Pressure Control among Stroke Survivors in Nigeria. *The Lancet Global Health*. Submitted Aug 2018.

7. Axon N, **Gebregziabher M**, Everett C, Hunt K. A Comparison of All Cause Hospital Readmission and Mortality among Veteran Dual Users of Hospital Care and All-VA Users across Multiple Conditions. **Health services research**.
8. Elizabeth B. Kirkland, MD, MSCR^{1,2}; Derik E. Yeager, MBS¹; R. Neal Axon, MD, MSCR^{1,2}; Chanita Hughes Halbert, PhD³; **Gebregziabher M**, PhD^{1,4} Racial differences in preference of collecting, studying, and utilizing racial and ethnic information among Veterans. Submitted to **Health Equity**, June 2018.
9. Taber D, R Neal Axon, Dr Ralph Ward, Professor Leonard Egede, Dr Rebekah Walker, Mr Derik Yeager, **Gebregziabher M**. The Impact of Dual Use on Medication Non-Adherence in Veterans with Type 2 Diabetes. *Annals of Epidemiology*, Submitted Feb 20, 2018.
10. Ralph Ward; Leonard Egede, M.D., M.S.; Viswanathan Ramakrishnan, Ph.D.; Lewis Frey, Ph.D.; **Gebregziabher M**, Ph.D. Multiple imputation and sensitivity analysis for covariate data with non-random missingness: A case study involving missing race-ethnicity data. BMRM-D-17-00524
11. Ralph Ward; Leonard Egede, M.D., M.S.; Viswanathan Ramakrishnan, Ph.D.; Lewis Frey, Ph.D.; **Gebregziabher M**, Ph.D. A comparison of machine learning and model-based multiple imputation methods with competing sensitivity analyses for non-random missingness. *Biometrical Journal*. BNEP-D-17-00737
12. Ward, **Gebregziabher M**, Taber, Egede, Hunt, Axon. The association between cross-system healthcare and mortality in a national cohort of older patients with type 2 diabetes
13. Ralph C. Ward, M.S., B.S.; Leonard Egede, M.D., M.S.; Viswanathan Ramakrishnan, Ph.D.; Lewis Frey, Ph.D.; Robert Neal Axon, M.D., M.S.C.R.; **Gebregziabher M**, Ph.D. Comparison of Statistical and Machine Learning Methods for Developing an Improved Comorbidity Measure Based on the ICD System. *Health Services and Outcomes Research Methodology*
14. Voronca DC, **Gebregziabher M**, Lei Liu, Durkalski-Mauldin V, Egede LE. Marginalized two part models for generalized gamma family of distributions. Submitted to *Biometrical journal*.
15. Voronca DC, **Gebregziabher M**, Durkalski-Mauldin V, Liu L, Egede LE. MTPmle: A SAS Macro and Stata Programs for Marginalized Inference in Semi-Continuous Data. *The Journal of Statistical Software*.
16. Payne EH, **Gebregziabher M**, Ramakrishnan V, Selassie A, Hardin J, Egede LE. "Latent class multiple imputation for missing data for categorical covariates".
17. Payne E, **Gebregziabher M**, et al (2017). Latent transition multiple imputation for missing data in time varying categorical covariates" has been successfully submitted online and is presently being given full consideration for publication in *Statistical Methods in Medical Research*
18. Lin Dai **Gebregziabher M**, et al (2017). Analysis of Multilevel Complex Survey Data: Comparison of Procedures from Several Software. Submitted to *SSM*.
19. Carolyn Jenkins, MS, MSN, DrPH; Bruce Ovbiagele; **Gebregziabher M**; Mayowa Owolabi Knowledge, attitudes and practices related to stroke in Ghana and Nigeria: a SIREN call to action. *PlosOne*, May 2018.
20. Adeoye et al. Spectrum of echocardiographic abnormalities and its determinant ability in clinical outcomes in acute stroke in the SIREN study.
21. David Taber: **Mulugeta Gebregziabher**, Ralph Ward, R Neal Axon, Derik Yeager, Rebekah Walker, Leonard Egede The Impact of Dual Use on Medication Non-Adherence in Veterans with Type 2 Diabetes. *Diabetes Research and Clinical Practice*. Au 15, 2018.
22. Everett C, **Gebregziabher M**. Estimating Missing Concentrations of p,p'-DDT in the 1999-2004 National Health and Nutrition Examination Survey Using Multiple Imputation. Submitted to *Environmental Science and Pollution Research*
23. Fred S. SARFO ^{a,b}, Linda MOBULA, ^{c,d}, Jacob PLANGE-RHULE, ^e Mulugeta GEBREGZIABHER ^f, Daniel ANSONG ^{a,b}, Osei SARFO-KANTANKA^b, Lynda ARTHUR ^g, Jasper SABLAH ^g, Edith GAVOR^h, Gilbert BURNHAM ^{c,d}, David OFORI-ADJEIⁱ. **Control of Blood Pressure among a Prospective Cohort of**

Ghanaians with Hypertension: a Multicenter, Hospital-based study. Submitted to Hypertension. July 15, 2018

24. Ariel Christensen, Matthew R Bonner, PhD; Jeffrey E Korte, PhD; **Mulugeta Gebregziabher**, PhD; John Vena, PhD: Consumption of Contaminated Sportfish from Lake Ontario and Breast Cancer Risk - New York State Anglers Cohort Study (NYSACS). Submitted to Journal: Environmental Research
25. Ozieh MN, MD, MSCR; Mulugeta Gebregziabher, PhD; Ralph C Ward, PhD; David J Taber, Pharm.D; Leonard E Egede, MD, MS. Creating a 13-year National Longitudinal Cohort of Veterans with Chronic Kidney Disease. BMC Nephrology.
26. Ozieh M, Taber, **Gebregziabher M**, et al. Ethnic Differences in Mortality among Veterans with Kidney Disease, Journal of the American Society of Nephrology
27. Hunt KJ, Davis M, Wojciechowski B, Lynch C, Dismuke C, **Gebregziabher M**, Axon R. Diabetes Prevalence in Rural and Urban Patients seeking care from the Veterans Health Administration (VHA) 2007 through 2012. Journal of Rural Health.
28. Kelly Hunt, Jeffrey Korte, Cheryl Lynch, Maria Mayorga, **Gebregziabher M**. Diabetes during pregnancy and fetal growth in siblings: a retrospective cohort study: Journal of Diabetes and Its Complications
29. Lynch C, Magwood G, **Gebregziabher M**, Melanie Jefferson, Cathy Melvin, Benita Weathers, Frances K. Barg, Monica Ferguson, Debbie C. Bryant, Chanita Hughes Halbert. Weight Loss Attempts in a Culturally Diverse Sample of US Adults (submitted).

Non-peer Reviewed Publications

1. **Gebregziabher M** and Samia Zekaria. Statistics: Its Role, Promises and Challenges in a Country on a Path of Growth and Development, March 20, 2014, *Around the World in Statistics*.
<http://www.worldofstatistics.org/category/around-the-world-in-statistics/>
2. **Gebregziabher M**, DeSantis S. Sensitivity analysis for MNAR in randomized trials.
3. **Gebregziabher M**, Martin R and Palesch Y. Bootstrap Multiple Imputation in randomized Controlled trails with Repeated Measures ()
4. Key JD, **Gebregziabher M**, Marsh L, Kadima A, Zhai Y (2009). A Randomized Trial of an Abstinence-Only Curriculum with Teen Developmental Enhancement". .
5. **Gebregziabher M**, Kelly Knott, et al (2007). Measuring association in prevalence studies: odds ratio versus prevalence ratio
6. **Gebregziabher M** and Langholz B (2005). Bias and efficiency comparisons of missing covariate data methods in matched case-control studies
7. **Gebregziabher M**, Teklehaimanot T (2010). Ethiopia: a country of 13 months of sunshine. MUSC Catalyst. Global Health Column, May 7, 2010.
8. **Gebregziabher M**, Miller P, et al (2009). Interprofessional Team Practices at the Medical University of South Carolina. Report Submitted to the President's Office and Interprofessional Faculty Development Institute. MUSC, December 2009.
9. **Gebregziabher M**. (2000). Survey data and nonrandom missingness. Ethiopian Statistical Association Newsletter,
10. **Gebregziabher M** (1999). Gender and age patterns of school attendance in Ethiopia: A life table analysis; Research report to Organization of Social Science Research Eastern and Southern Africa.
11. **Gebregziabher M**. (1998). Tour of an educational researcher to the statistician's workshop. Institute of Educational Research bulletin.

Workshops and Short Courses Attended

1. Practical Methods to Overcome Sample Size Challenges" will begin in 1 Day on: Wed, May 30, 2018

2. CEPH Webinar - Building Curricula from Competencies: Approaches and Practical Tips from an Instructional Design Perspective" Wed, May 23, 2018 2:00 PM - 2:45 PM EDT
3. CEPH Webinar - PHP/SPH P-AOW 4/12/18, Apr 12, 2018 1:00 PM - 2:00 PM EDT
4. Leadership Cascade training director's discussion for Charleston (4hrs, certificate, 9/9/2016)
5. Leaders developing leaders training (4hrs, certificate, 8/26/2016)
6. VA 101 (4hrs, certificate, every year since 8/26/2016)
7. Advancing health equity in the VA healthcare system (8.5 hrs, certificate 9/23/2016)
8. CITI and HIPPA both at MUSC and VA, every year since 2006
9. Promotion and Tenure workshop, Sept 9, 2016
10. VINCI Training: Understanding & Utilizing VA Data (OMOP) Sept 8-9th, 2016 (SLC,UT)
11. VINCI Seminar by Scott DuVall and James 12/7/2016, Charleston VA
12. Workshop on Ethical Issues in H3 Africa Consortium. 7th H3 Africa Consortium Meeting. Omni Shoreham Hotel, Washington DC, Oct 10-14, 2015.
13. Workshop on Global Health Interests and Funding opportunities. 7th H3 Africa Consortium Meeting. Masur Auditorium, NIH Main Campus, MD, Oct 13, 2015
14. HSRD Cyber Seminar: Assessing Race and Ethnicity. Feb 2, 2015 1:00 PM - 2:00 PM EST
15. HSRD Cyber Seminar: VINCI data & data services. Feb 5, 2015 1:00 PM - 2:00 PM EST
16. VDM- Assessing inpatient and outpatient VA healthcare use: by Denise Hynes, *HSR&D Cyber Seminar, 11-01-2012*
17. JSM workshop on "GLMM" (Charles McCulloch), 8/1/11, Miami, FL
18. ENAR workshop on "Sensitivity analysis for missing data (Schferstien and Hogan), April 1-4, 2011, Washington DC
19. ENAR workshop on "MATLAB", April 1-4, Washington DC
20. IHPS workshop on "Instrumental variable method" , Oct 4-6, 2011, Cleveland, Ohio
21. IHPS workshop on "MICE- multiple imputation using chained equations" , Oct 4-6, 2011, Cleveland, Ohio
22. Generalized Linear Mixed Modeling: JSM 2011, Miami Beach, FL, Aug 1-4.
23. Evaluation Methods in Implementation Research: An Introduction by Jeffrey Smith, *HSR&D Cyber Seminar, April 14, 2011*
24. Measuring Laboratory Use and Results Using the VA DSS National Lab Data By: Dr. Elizabeth Tarlov; *HSR&D Cyber Seminar, April 4, 2011*
25. Introductory Bayesian analysis. ENAR 2010, New Orleans, LA. March 24-28. 2010
26. Bayesian analysis using SAS. ENAR 2010, New Orleans, LA. March 24-28. 2010
27. Assessing Race and Ethnicity data, Online live meeting, Feb 1, 2010
28. Interprofessional Faculty Development Institute, MUSC, Charleston, SC, Feb 2009-June 2009
29. Hierarchical Modeling and Analysis of Spatio-Temporal Data: Emphasis in Forestry, Ecology and Environmental Sciences, JSM CE Program, August 2, 2009, Washington DC.
30. State Space Time Series Analysis in Practice, JSM CE Program, August 4, 2009, Washington DC.
31. Statistical Meta Analysis Methods and Applications, JSM CE Program, August 4, 2009, Washington DC.
32. Advanced Bayesian analysis of spatial data using WinBugs by Andrew Lawson, Charleston, SC. May 10-11. 2009
33. Spring SCASA conference featuring Dr. Ron Wasserstein "What probability and Forrest Gump Teach US about the South Carolina Educational Lottery, April 10, 2009, Columbia, South Carolina.
34. South Carolina SAS Users Group Conference featuring Jennin Milum "Data Quality Management, Data Cleansing and Discrepancy Reporting", April 10, 2009, Columbia, South Carolina.
35. Grants Forms and Budget Workshop by Barbara Tilley, Charleston, SC, January 2009.

36. Bayesian analysis of spatial data using WinBugs by Andrew Lawson, Charleston, SC. Nov. 2008
37. ENAR workshop on career development for junior investigators, Arlington, VA, March 2008
38. 10th Annual William T. Small, Jr. Keynote Lecture: The Science and Epidemiology of Racism and Health in the United States: an Ecosocial Perspective, Nancy Krieger, 29th Annual Minority Health Conference, UNC, February 29, 2008
39. Spring SCASA conference featuring Allan Agresti. Good Confidence Intervals for Categorical Data Analyses, April 11, 2008, Columbia, South Carolina.
40. SCASA annual meeting featuring Stephen Looney " Increasing Pleasant Events in the Nursing Home: Collaborative Behavioral Treatment for Depression, Nov, 2007, Charleston, South Carolina.
41. Analysis of missing high dimensional data using same spotting, a nonlinear systems development, Dec 18, 2007. Charleston, SC
42. Teaching using Problem Based Learning, DBE-MUSC, Dec 8, 2007
43. Grant Development Training, DBE-MUSC, August to December 2006. Charleston, SC
44. Understanding and addressing the challenges of differential expression analysis of proteomics data, Dec 18, 2007. Charleston, SC
45. Basic concepts of statistical inference for causal effects in experiments and observational studies, RAND co. in Santa Monica, Rubin DB (2004). Los Angeles, CA.
46. Survival analysis: Analysis of right censored time to event data, SCASA at California State University (Long Beach), Emerson SS (2004)
47. HIPAA privacy certification and ethics in medical research. USC, since 2003.
48. Miami CITI on-line training (2006, 2007, 2008,2009 ,2010, 2011, 2012,2013,2014,)

Lectures and Presentations – Identify the name and location of the meeting/conference. List presentations under the following headings:

1. **Gebregziabher M:** Joint modeling of neuroimaging and cognitive outcomes from ADNI, Nov 2018, Department of Biostatistics, USC. Los Angeles (**Invited**).
2. **Gebregziabher M:** Digitizing patient data for effective healthcare and research- systematic review. Oct 2018, Washington DC (**Invited**).
3. **Gebregziabher M.** Session on Generalizability, ICHPS 2018, Jan 10-12, Charleston, SC
4. **Gebregziabher M.** Roundtable Research with Veterans and Working with the Department of Veterans Affairs, ICHPS 2018, Jan 10-12, Charleston, SC
5. **Gebregziabher M.** Overview of DPHS, Low country graduate center, Nov 2017
6. **Gebregziabher M.** Topic contributed session on Advances in Modeling Multilevel Observational Data from Complex Surveys – Topic Contributed Papers. JSM 2017, Biltmore, MD
7. **Gebregziabher M, Lin Dai,** Modeling Count Data from a Complex Survey using Pseudo Maximum Likelihood JSM 2017, Biltmore, MD
8. Lin Dai, **Gebregziabher M,** Analysis of Multilevel Complex Survey Data: Comparison of Procedures from Several Software –. JSM 2017, Biltmore, MD
9. **Gebregziabher M,** John Vena, Carolyn Jenkins. Research Methods workshop on undertaking research in the clinical setting using data. SPMHHC, Addis Ababa, Ethiopia, June 17-22, 2017
10. **Gebregziabher M** and Lin Dai. Novel Application of a Weighted Zero-Inflated Negative Binomial Model in Modeling Count Data from a Complex Survey. MUSC Student research Day, Nov 2016, Charleston.
11. **Gebregziabher M** and Lin Dai. Novel Application of a Weighted Zero-Inflated Negative Binomial Model in Modeling Count Data from a Complex Survey. JSM 2016, Chicago.
12. **Gebregziabher M** and Lin Dai. Pseudo maximum likelihood estimation with Multi-level sampling weight for modeling count data from a complex survey SCASA, Mar 2016. Columbia, SC.

13. **Gebregziabher M** and Lin Dai. Spectrum of regional variation in voluntary HIV testing and counseling in sub-Saharan Africa: Results from pooled analysis of data from six countries. MUSC 2nd Annual Global and Public Health Symposium. MUSC, Charleston, SC.
14. **Gebregziabher M.** and Helbert-Hughes C. R.H.Johnson VA Seminar Series. Race/Ethnicity Data Collection in the Veterans Health Administration, July 11, 2016 1:00 PM - 2:00 PM EDT
15. **Gebregziabher M.** HSR&D cyberseminar. "Focus on Health Equity and Action: Race/Ethnicity Data Collection in the Veterans Health Administration" Thu, Apr 28, 2016 3:00 PM - 4:00 PM EDT
16. **Gebregziabher M.** Methods for dealing with missing race and ethnicity data at the VA. HSR&D grand rounds, March 4, 2016
17. **Gebregziabher M.** Methods workshop on undertaking research in the clinical setting using data from electronic medical records and patient surveys. SPMHHC, Addis Ababa, Ethiopia, July 27-31, 2015
18. Voronca DC, **Gebregziabher M,** Neelon B, Durkalski V, Egede LE, Liu L. Title: Marginalized Two-Part Models for Generalized Gamma Family of Distributions Place: ICHS, Providence, RI; Date: October 7, 2015.
19. Ward RC, **Gebregziabher M,** Payne E, Walker R, Egede LE. Measuring Disease Severity using Latent Class Modeling of Comorbidities. 2015 HSR&D/QUERI National Conference, Philadelphia June 2015.
20. Ward RC, **Gebregziabher M,** Egede LE. Improved Disease Burden Modeling Based on Administrative Healthcare Data. MUSC Research Day. Nov, 2015, Charleston, SC
21. Ozieh M, **Gebregziabher M,** Payne E, Taber D. "Racial Differences on the Impact of Anemia on Clinical Outcomes in Kidney Transplant Recipients", presented by Mukoso Ozieh at NMRI on April 17, 2015.
22. Elizabeth J, Santa Ana, Steve Martino, **Gebregziabher M.** Impact of telehealth in-home-messaging devices on alcohol use in dually diagnosed veterans. 2015 HSR&D/QUERI National Conference, Philadelphia June 2015.
23. **Gebregziabher M.** Finite mixture regression for marginal inference in zero-heavy continuous outcomes. HSR&D Ground Rounds. **Invited.** Charleston VA Med Ctr, Charleston, SC., May 2015.
24. **Gebregziabher M.** Weibull regression for marginal inference in semi-continuous data. Department of Biostatistics and Epidemiology. **Invited.** USC. Columbia. April 20, 2015.
25. **Gebregziabher M.** Analysis of correlated data using generalized linear mixed models – Part II. Hearing science group. **Invited.** MUSC, Charleston, SC. April 1, 2015
26. **Gebregziabher M.** Finite mixture regression for marginal inference in semi-continuous data. College of Science. **Invited.** Addis Ababa University. Ethiopia. March 13, 2015.
27. **Gebregziabher M.** Proper Applications of Pre-Post Design in Clinical Research. Department of Public Health. **Invited.** St Paul Hospital Med College. Addis Ababa. Ethiopia, March 11, 2015
28. **Gebregziabher M.** Proper Applications of Pre-Post Design in Clinical Research. Department of Internal Medicine. **Invited.** College of Health Sciences. Mekelle Univ. Ethiopia, March 17, 2015
29. **Gebregziabher M.** Fall South Carolina Statistics consortium success. Chapter Chatter, Winter 2014, Volume 4, number 3, 2014
30. **Gebregziabher M.** 44th annual meeting SC-ASA Palmetto symposium success. Chapter Chatter, Summer 2014, Volume 4, number 2, 2014
31. **Gebregziabher M.** Weibull Mixture regression for continuous outcomes. Department of public Health Sciences, MUSC, Nov 2014. Charleston, SC.
32. **Gebregziabher M.** Analysis of correlated data using GLMM. Hearing Science Group, MUSC, March 2014. Charleston, SC.
33. Rosenthal P, **Gebregziabher M,** Payne E, et al. Incidental Paranasal Sinusitis on Routine Brain MRI - Exploring a potential biomarker with links to Co-Morbidities of Periodontal Disease.: ARRS 2013 in Washington DC

34. Payne E, **Gebregziabher M**. Comparative Analysis of Methods for Dealing with Overdispersion in Modeling Count Responses. MUSC Student research Day, Nov 2013.
35. Birmann BM, Rand KA, **Gebregziabher M**, et al. Polymorphisms In *IRS1* and *IL6R* and Susceptibility To Multiple Myeloma. 55th ASH annual meeting and exposition. New Orleans, Dec 7, 2013.
36. Rand KA, Cozen W, **Gebregziabher M**, et al. A meta-analysis of genome-wide association studies of multiple myeloma in cases and controls of European origin identifies a risk locus in 12q23.1. 55th ASH annual meeting and exposition. New Orleans, Dec 7, 2013
37. Rebekah W, **Gebregziabher M**, Dismuke CE, Hunt KJ, Axon RN, Egede LE. Longitudinal Impact of Mental Health Outpatient Care on Healthcare Cost For Individuals with Type 2 Diabetes". MUSC Student research Day, Nov 2013.
38. **Gebregziabher M**, Mathews L, Eckert M, Dubno J. Joint modeling of multivariate longitudinal hearing loss data ascertained at multiple frequencies. JSM, August 2013. Montreal, Canada.
39. Leonard E. Egede, MD MS, **Mulugeta Gebregziabher**, Ph.D., Yumin Zhao, Ph.D., Clara E. Dismuke, Ph.D., Neal Axon MD, Rebekah Walker MS. **Longitudinal Impact of Mental Health Outpatient Care on Healthcare Cost For Individuals With type 2 Diabetes**. Academy Health, June 23-25 in Baltimore, MD.
40. Leonard E. Egede, MD MS, **Mulugeta Gebregziabher**, Ph.D., Yumin Zhao, Ph.D., Clara E. Dismuke, Ph.D., Neal Axon MD, Rebekah Walker MS. **Dual Eligibility With Medicare: A Dual Problem For Veterans With Traumatic Brain Injury?**. Academy Health, June 23-25 in Baltimore, MD.
41. **Gebregziabher M** and Lawson A, Introductory Bayesian Biostatistics. Summer Institute, DBE-MUSC, Charleston, SC, May 6-7, 2013.
42. **Gebregziabher M** and Lawson A. Advanced Bayesian Biostatistics. Summer Institute, DBE-MUSC, Charleston, SC, May 9-10, 2013.
43. **Gebregziabher M**, Yumin Z, Dismuke CE, Egede LE Analysis of multivariate longitudinal health utilization outcomes using multivariate generalized linear Mixed models Academy Health, June 23-25 in Baltimore, MD
44. **Gebregziabher M**. A generalized linear mixed modeling framework for the analysis of multivariate longitudinal health outcomes. American University of Beirut, Beirut, Lebanon. April 3, 2013. **Invited**.
45. **Gebregziabher M**, Mathews L, Eckert M, Dubno J. A random effects approach for joint modeling of multivariate longitudinal hearing loss data ascertained at multiple frequencies. ENAR, March 2013. Orlando, FL.
46. **Gebregziabher M**. Preparing for BIG data: statistical and computational challenges. Public lecture jointly organized by the Ethiopian Statistical Association and the Department of Statistics. Dec 27, 2012, Addis Ababa university, Ethiopia, **Invited**
47. **Gebregziabher M**. Preparing for BIG data: statistical and computational challenges, Dec 21, 2012, Mekelle University, Ethiopia, **Invited**
48. **Gebregziabher M**. Multivariate GLMM: modeling multivariate health outcomes data, Dec 20, 2012, College of Health Sciences, Mekelle University, Ethiopia, **Invited**
49. **Gebregziabher M**. Linking the Ethiopian Diaspora with research and development endeavors of Ethiopia: Joint ED-REAP and Mekelle University International workshop, Dec 18-22, 2012, Ethiopia, **Invited**
50. **Gebregziabher M**. Methods for dealing with missing fMRI data. JSM 2012, July 28-Aug3,2012, San Diego, CA. **Invited**.
51. **Gebregziabher M** and Lawson A, Bayesian Biostatistics. Summer Institute, DBE-MUSC, Charleston, SC, May 10-11, 2012.
52. Axon RN, Hunt KJ, **Gebregziabher M**, Egede LE. Comparison of methods for modeling comorbidities in health outcomes research. Paper presented at: VA HSR&D / QUERI National Meeting; 2012 Jul 18; National Harbor, MD.

53. Dismuke CE, **Gebregziabher M**, Egede LE. Racial/ethnic disparities in access to VA services as a pathway to mortality differentials among Veterans diagnosed with TBI. Poster session presented at: VA HSR&D / QUERI National Meeting; 2012 Jul 17; National Harbor, MD
54. Dismuke CE, **Gebregziabher M**. Racial/ethnic disparities in access to VA as a pathway to mortality. Poster session presented at: Medical University of South Carolina Frontiers in Neuroscience Annual Research Day; 2012 Mar 30; Charleston, SC.
55. Egede LE, Lynch C, **Gebregziabher M**, Hunt KJ, Zhao Y, Gilbert GE. Impact of Medical and Psychiatric Comorbidity Burden and Mortality in Veterans with Type 2 Diabetes. Poster session presented at: Society of General Internal Medicine Annual Meeting; 2012 May 9; Orlando, FL.
56. **Gebregziabher M**, Zhao Y, Axon RN, Hunt KJ, Egede LE. Shared Parameter models for longitudinal multiple source cost data. Poster session presented at: Eastern North American Region / International Biometric Society Annual Meeting; 2012 Mar 30; Washington, DC.
57. **Gebregziabher M**, Zhao Y, Dismuke CE, Hunt KJ, Egede LE. Jointly Modeling Multiple Cost Outcomes Using Multivariate Generalized Linear Mixed Models. Paper presented at: VA HSR&D National Meeting; 2012 Jul 18; Washington, DC.
58. Hunt KJ, **Gebregziabher M**, Lynch C, Egede LE. Differential Impact of Poorly Controlled Diabetes on Mortality by Race/Ethnicity and Medication Status in a National Cohort of Veterans with Diabetes. Poster session presented at: VA HSR&D / QUERI National Meeting; 2012 Jul 17; National Harbor, MD.
59. Lynch C, **Gebregziabher M**, Hunt KJ, Gilbert GE, Egede LE. Impact of Long-Term Medication Non-Adherence on Mortality Differs by Race/Ethnicity among Veterans with Diabetes. Poster session presented at: VA HSR&D / QUERI National Meeting; 2012 Jul 17; National Harbor, MD.
60. **Gebregziabher M**. Analysis of multivariate longitudinal cost data. CHDR grand rounds, MUSC, Charleston, SC. Feb 2012.
61. **Gebregziabher M**. Analysis of longitudinal biomedical data. Mekelle University, College of Health Sciences, Ethiopia, Dec 12/13/2011-12/19/2011. – Oral invited
62. **Gebregziabher M**, Church P, Teklehaimanot A, Mauldin P. Bayesian Analysis to determine Individual Characteristics for HIV/AIDS Testing in SubSaharan Africa. ICASA 2011, Addis Ababa, Ethiopia, Dec 4-8.
63. **Gebregziabher M**. Identifying Subgroups Using Categorical Features Data: An Application to Autism Spectrum Disorder. School of public Health at Addis Ababa University, Addis Ababa, Ethiopia (March 10, 2011). **Invited**
64. **Gebregziabher M**. Discovering phenotypes using DPM and LCM: Harnessing the power of registry data. 20th Annual Conference of the Ethiopian Statistical Association, Addis Ababa, Ethiopia (Feb 25-26, 2011). **Invited.**
65. **Gebregziabher M** Egede LE, et al. Using Quantile Regression to investigate racial disparities in medication non-adherence. HSR&D Grand Rounds. Charleston, SC, Oct 4, 2010. **Invited.**
66. **Gebregziabher M** and Lawson A. Bayesian Biostatistics. Summer Institute, DBE-MUSC, Charleston, SC, May 3-4, 2011
67. **Gebregziabher M**, A polytomous conditional likelihood approach for combining matched and unmatched case-control studies. ENAR 2010, New Orleans, LA, March 24-28. **Invited**
68. **Gebregziabher M**. A latent class based multiple imputation approach for missing categorical data. Dept of Biostatistics and Epidemiology, USC, Columbia, SC, March 17, 2010. **Invited**
69. **Gebregziabher M**. Latent class based multiple imputation. Div of Biostatistics and Epidemiology, MUSC, Charleston, SC, Feb 22, 2010. **Tea time for Science**
70. **Gebregziabher M**, A polytomous conditional likelihood approach for combining matched and unmatched case-control studies. HCC-MUSC annual retreat, Charleston, SC, Nov 20.
71. **Gebregziabher M**, A polytomous conditional likelihood approach for combining matched and unmatched case-control studies. DOM-MUSC, Charleston, SC, Dec 10.

72. **Gebregziabher M.** Interprofessional Team Practices, Attitudes and Educational Experiences of Medical University Faculty. IPE-MUSC, Charleston, SC. Dec 4, 2009.
73. **Gebregziabher M.** Interprofessional Team Practices (Experience sharing). IPE-MUSC, Charleston, SC. March 7, 2010. **Invited**
74. **Gebregziabher M.** A Robust method for Dealing with Missing Categorical Data. VA-HSRD, 2009, Charleston, SC, November 9. **Invited**
75. **Gebregziabher M** and DeSantis S. A latent class based multiple imputation approach for missing categorical data. JSM 2009, Washington DC, August 1-6.
76. **Gebregziabher M,** Gumarease P, Conti D and Cozen W (2007). A polytomous conditional likelihood approach for combining matched and unmatched case-control studies. InterLymph 2009, Vancouver, Canada, July 18-22. **Invited**
77. **Gebregziabher M.** Some issues in the analysis of longitudinal data. HSRD grand rounds. MUSC Center for Health Disparity Research. Charleston, SC; Oct 6, 2008. **Invited**
78. **Gebregziabher M.** Applications of the poly-k statistical test to life-time cancer bioassay studies, University of Southern California, March 26, 2008, Los Angeles, CA. **Invited**
79. **Gebregziabher M.** Applications of the poly-k statistical test to life-time cancer bioassay studies, ENAR, March 18, 2008, Arlington, VA.
80. **Gebregziabher M.** A latent group approach for combining matched and unmatched case-control studies, JSM, Salt Lake City Utah, August 10, 2007.
81. **Gebregziabher M.** A latent group approach for combining matched and unmatched case-control studies, ENAR, Atlanta GA, February 10, 2007.
82. **Gebregziabher M.** Measuring association in prevalence studies: odds ratio versus prevalence ratio, EPI Journal Club, DBE, MUSC, February 16, 2007.
83. **Gebregziabher M.** A combined analysis of matched and unmatched case-control studies: a latent group approach, Dep't of Biostat, Bioinfo and Epi, Medical Univ. South Carolina
84. **Gebregziabher M.** A Missing data induced Approach to the analysis of missing covariate data in individually matched case-control studies, Division of Biostatistics, Keck School of Medicine, USC, in December 2005.
85. **Gebregziabher M.** Methods for the analysis of missing covariate data in individually matched case-control studies, Joint Statistical Meeting in August 2005, Minneapolis, Minnesota.
86. **Gebregziabher M.** Bias and efficiency comparisons of missing covariate data methods in individually matched case-control studies, WNAR 2004, Albuquerque, NM
87. **Gebregziabher M.** Cox regression with partially missing covariate measurements, USC Division of Biostatistics Graduate Student Seminar, 2004
88. **Gebregziabher M.** Application of the missing indicator method to analyze case control data with non-response, USC Division of Biostatistics Graduate Student Seminar, 2003

Posters

1. Voronca D, **Gebregziabher M,** Lei Liu, Durkalski-Mauldin V, Egede LE. Marginalized models for generalized gamma family. Int Conference on Health Policy and Statistics, Oct 2015. Providence, WI
2. Ward RC, **Gebregziabher M,** Payne E, Walker R, Egede LE. Measuring Disease Severity using Latent Class Modeling of Comorbidities. 2015 HSR&D/QUERI National Conference, Philadelphia June 2015.
3. Ward RC, **Gebregziabher M,** Egede LE. Improved Disease Burden Modeling Based on Administrative Healthcare Data. MUSC Research Day 2015, Charleston, SC, Nov 2015.
4. O'Connell N, Dai L, Jiang Y, Speiser J, Ward R, Wei W, Carroll MS, **Gebregziabher M;** Bias and Efficiency Comparison of Methods for Analysis of Pre-Post Data. Student Research Day, Oct 2014. MUSC, Charleston, SC.

5. Dai L, Sweat M, **Gebregziabher M**. Quantifying Regional Variation in HIV/AIDS Prevalence in Sub-Saharan Africa: Application of Survey Weighted Zero Inflated Negative Binomial Model. Student Research Day, Oct 2014. MUSC, Charleston, SC.
6. Payne EH, Egede LE, **Gebregziabher M**. Latent Status Multiple Imputation for Missing Data in Time Varying Categorical Variables. Student Research Day, Oct 2014. MUSC, Charleston, SC.
7. Voronca D, Egede LE, **Gebregziabher M**. Analysis of Zero Inflated Longitudinal Data Using SAS PROC NL MIXED, Student Research Day, Oct 2014. MUSC, Charleston, SC.
8. Onicescu G, Lawson AB, Zhang J, **Gebregziabher M**, Wallace K and Eberth JM. Spatially-explicit Survival Modeling for Small Area Cancer Data. Student Research Day, Oct 2014. MUSC, Charleston, SC
9. Voronca D, Egede LE, **Gebregziabher M**. Analysis of Zero Inflated Longitudinal Data Using SAS PROC NL MIXED, South East SAS Users Group Meeting, Myrtle Beach, SC. June 2014.
10. O'Connell N, Dai L, Jiang Y, Speiser J, Ward R, Wei W, Carroll MS, **Gebregziabher M**; Bias and Efficiency Comparison of Methods for Analysis of Pre-Post Data. SCSC2014, Nov 2014. Clemson, SC.
11. Dai L, Sweat M, **Gebregziabher M**. Quantifying Regional Variation in HIV/AIDS Prevalence in Sub-Saharan Africa: Application of Survey Weighted Zero Inflated Negative Binomial Model. SCSC2014, Nov 2014. Clemson, SC.
12. Payne EH, Egede LE, **Gebregziabher M**. Latent Status Multiple Imputation for Missing Data in Time Varying Categorical Variables. SCSC2014, Nov 2014. Clemson, SC.
13. Voronca D, Egede LE, **Gebregziabher M**. Analysis of Zero Inflated Longitudinal Data Using SAS PROC NL MIXED, SCSC2014, Nov 2014. Clemson, SC.
14. Nathaniel S O'Connell, Lin Dai, Yunyun Jiang, Jaime Speiser, Ralph Ward, Wei Wei, Rachel Carroll, Mulugeta Gebregziabher; **Bias and Efficiency Comparison of Methods for Analysis of Pre-Post Data**, Public Health Sciences, MUSC. MUSC student research day, Nov 2014, Charleston, SC
15. Lin Dai¹, Michael D Sweat², Mulugeta Gebregziabher¹; **Quantifying Regional Variation in HIV/AIDS Prevalence in Sub-Saharan Africa: Application of Survey Weighted Zero Inflated Negative Binomial Model**, ¹Public Health Sciences, MUSC, ²Psychiatry and Behavioral Sciences, MUSC. MUSC student research day, Nov 2014, Charleston, SC
16. Elizabeth H Payne, Leonard Egede, **Mulugeta Gebregziabher**. **Latent Status Multiple Imputation for Missing Data in Time Varying Categorical Variables**, ¹Public Health Sciences, MUSC, ²General Internal Medicine and Geriatrics, MUSC. MUSC student research day, Nov 2014, Charleston, SC
17. Delia C Voronca¹, Leonard Egede², Mulugeta Gebregziabher³; **Analysis of Zero Inflated Longitudinal Data Using SAS PROC NL MIXED**, ¹Biostatistics, MUSC, ²General Internal Medicine and Geriatrics, MUSC, ³Public Health Sciences, MUSC. MUSC student research day, Nov 2014, Charleston, SC
18. Onicescu Georgiana, Lawson B Andrew, Zhang Jiajia, Gebregziabher Mulugeta, Wallace Kristin, Eberth M Jan. **Spatially-explicit Survival Modeling for Small Area Cancer Data**; ¹Public Health Sciences, MUSC, ²University of South Carolina. MUSC student research day, Nov 2014, Charleston, SC
19. Walker RJ, **Gebregziabher M**, Zhao Y, Dismuke CE, Hunt KE, Axon RN, Egede LE. Impact of mental health visits on healthcare cost in patients with diabetes and comorbid mental health disorders. MUSC student research day, Nov 2013, Charleston, SC.
20. Elizabeth Payne (PhD Student), **Mulugeta Gebregziabher** (PhD). Statistical Methods for Dealing with Over-Dispersion in Modeling Count Responses. SRCOS: Summer Research Conference, Montgomery Bell State Park, Burns, Tennessee. June 2, 2013 – June 5, 2013.
21. Cheryl Lynch, **Mulugeta Gebregziabher**, Kelly J Hunt, Yumin Zhao; Leonard E Egede, Impact of Medical and Psychiatric Comorbidity Burden and Mortality in Veterans with Type 2 Diabetes. Health, June 23-25 in Baltimore, MD.

22. Voronca D and **Gebregziabher M**. Confidence interval estimators of the intraclass correlation coefficient for longitudinal data with missingness. Department of Medicine Student Research Day. Jan 22, 2013. MUSC, Charleston, SC
23. Voronca D and **Gebregziabher M**. Analysis of missing covariate data in individually matched case-control studies: a comparative study. MUSC Student Research Day. Dec 2, 2012. MUSC, Charleston, SC
24. **Gebregziabher M**, Lynch CP, Mueller M, Gilbert GE, Echols C, Zhao Y, Egede LE. Using quantile regression to investigate racial disparities in medication non-adherence (HSR&D 2011, Baltimore, MD).
25. **Gebregziabher M**, Desantis S, Palesch Y. Sensitivity analysis for modeling nonignorable missingness in randomized controlled trials. Poster Presentation at the 9th International Conference on Health Policy Statistics, October 5-7, 2011 in Cleveland, Ohio.
26. **Gebregziabher M**. Fitting parametric random effects models to very large data sets: case of VHA national data. Very Large Data Sets Conference, Baltimore, May 31-June 4.
27. **Gebregziabher M**. Dealing with missing race data: An empirical investigation of imputation techniques. Invited Poster Presentation at the Health Sciences Research and Development National meeting, National Harbor, MD (Feb 16, 2011)
28. **Gebregziabher M**. Using Quantile Regression to investigate racial disparities in medication non-adherence. VA-HSRD Equity Conference. Boston, MA, Sept 14,2010
29. **Gebregziabher M** (2009). Estimation of Disease-Exposure Association by Combining Matched and Unmatched Case-Control Studies. Annual DoM Research Retreat 2009, Charleston, SC, Dec 2009.
30. **Gebregziabher M** (2009). Estimation of Disease-Exposure Association by Combining Matched and Unmatched Case-Control Studies. 9th Annual Scientific Research Retreat 2009, Charleston, SC, Nov 09.
31. **Gebregziabher M**, Gumarease P, Conti D and Cozen W (2009). A polytomous conditional likelihood approach for combining matched and unmatched case-control studies. InterLymph 2009, Vancouver, Canada, July 18-22.
32. Wendy Cozen, Tiem-Yen Liang, David V. Conti, **Mulugeta Gebregziabher**, Leslie Bernstein, Ann Mohrbacher, Sophia Wang, Patricia Hartge and Otoniel Martinez-Maza. Atopic Conditions and the Risk of Plasma Cell Tumors: A Population-Based Case-Control Study. InterLymph 2009, Vancouver, Canada, July 18-22.
33. **Gebregziabher M** and DeSantis S. Class-based multiple imputation of missing genotypic data: an application to multiple myeloma. 8th Annual Scientific Research Retreat of Hollings Cancer Center. Dec 5, 2008. Charleston, SC.
34. Key JD, Marsh LD, **Gebregziabher M**, and O'Rourke KM. Prevention of subsequent births to teens with a school-based intervention. MUSC Children's hospital, Charleston, South Carolina, March, 2008.
35. Key JD, Marsh LD, **Gebregziabher M**, and O'Rourke KM. Prevention of subsequent births to teens with a school-based intervention. Pediatric Academic Societies, Toronto Canada, May, 2007.
36. **Gebregziabher M**. and Langholz B. Bias and efficiency comparisons of missing covariate data methods in individually matched case-control studies. Keck School of Medicine, 2005.
37. **Gebregziabher M** and Cozen W. Descriptive epidemiology of multiple myeloma in Los Angeles County, 1972-99. Second NCI/NIH understudied cancers workshop. Boston, MA, Sept 11-13,2005.
38. **Gebregziabher M**. and Langholz B. Bias and efficiency comparisons of missing covariate data methods in individually matched case-control studies. Keck School of Medicine; Norris Research Hospital 2004.

Abstracts (Selected from over 100)

1. Taber DJ, Hamed M, **Gebregziahber M**, Srinivas T, Chavin K et al. The Impact of Baseline and Follow-Up SAI Scores on Outcomes in Kidney Transplantation. *Am J Transplant* 2015; 15(S3): 192.
2. R. Akinyemi, H.K. **Gebregziahber M** et al (2018), Unraveling the Genetic Architecture of Stroke in Africans: Updates from the SIREN project For the SIREN Investigators . **Proceedings of the 22nd International Stroke Genetics Consortium Workshops. *Neurol Genet* 2018;4:e235. doi:10.1212/NXG.000000000000235**
3. **Owolabi MO, Gebregziahber M et al (2018)**. “The Lancet Neurology Commission on Stroke in Low and Middle-Income Countries”. Reducing Global Burden of Stroke. Dates: 20th October, 2018. World Stroke Congress, Canada.
4. **Owolabi MO, Gebregziahber M et al (2018)**. “Controlling Stroke Epidemic in Low and Middle-Income Countries: Experience from Africa”. WSO-WHO Joint Session: Global Epidemiology & Policies. Dates: 17th October, 2018 World Stroke Congress, Canada.
5. **Owolabi MO, Gebregziahber M et al (2018)**. **Abstract TMP53: Risk Profile of Stroke Among Young Africans: Evidence From the SIREN Study** *Stroke*.2018; 49:ATMP53 . International Stroke Conference, Los Angeles, USA. January 24-26; 2018.
6. **Owolabi MO, Gebregziahber M, et al (2018)**. International Stroke Conference Oral Abstracts Session Title: Community/Risk Factors Oral Abstracts II **Abstract 183: Determinants of Hypertension-related Intracerebral Hemorrhage in West Africans: Findings from the SIREN Study**. *Stroke*. 2018;49: A183 International Stroke Conference, Los Angeles, USA. January 24-26; 2018.
7. **Owolabi MO, Gebregziahber M et al**. 69th Annual Meeting of the American Academy of Neurology, Boston, USA, April 21-27 2017. Oral Presentation titled, ‘Stroke risk factors, post stroke anxiety and neurocognitive function.’
8. **Owolabi MO, Gebregziahber M et al**. International Stroke Conference Poster Abstracts - Community/Risk Factors Posters I Abstract WP206: A Tale of Blacks With Stroke on Two Continents and in Two Eras: Comparison of Baseline Risk Profiles in Black Africans and Black Americans. *Stroke*. 2016;47:AWP206
9. **Owolabi M, Gebregziahber M, et al (2015)** . 18th Workshop of the International Stroke Genetics Consortium (ISGC) . 18th Workshop of the International Stroke Genetics Consortium (ISGC); 2015 October; Barcelona, Spain.
10. **Ovbiagele B, Gebregziahber M et al (2016)**. Addressing the Growing Burden of Stroke in Africa: The Journey So Far. *Expanding the Scope of Research in Global Health: A Symposium Honoring the Leadership of Dr. Francis S. Collins. Bethesda, Maryland October 14, 2016*
11. **Owolabi MO, Gebregziahber M et al (2017)**. The Topmost Modifiable Risk Factors for Stroke among People of African Ancestry Moderated Poster Session. Poster Number: TP166 International Stroke Conference, February 22-24, 2017, Texas, USA
12. **Owolabi M, Gebregziahber M et al (2017)**. Interplay Of Racial And Geographical Differences In Stroke Type And Risk Factors Among Indigenous West Africans; African Americans And European Americans. Moderated Poster Session. Poster Board Number: TMP59 International Stroke Conference, February 22-24, 2017, Texas, USA.
13. **Owolabi M, Gebregziahber M. Et al (2017)**. State of Clinical Research in Stroke in Africa. Invited Oral Presentation. Stroke Risk and Outcomes in People of African Ancestry (an

- American Heart/American Stroke Association and Nigerian Stroke Society Joint Session) International Stroke Conference, February 22-24, 2017, Texas, USA.
14. Akinyemi R, **Gebregziahber M** Et al (2017). Burden of Stroke, Vascular Risk Factors, and Care Gaps in Africa. Invited Oral Presentation. Stroke Risk and Outcomes in People of African Ancestry (an American Heart/American Stroke Association and Nigerian Stroke Society Joint Session) International Stroke Conference, February 22-24, 2017, Texas, USA.
 15. Howard G, **Gebregziahber M** et al (2016). Insights on black-white disparities in cardiovascular risk potentially offered by international comparisons of stroke-free populations. Global Health Symposium. November 10, 2016. Medical University of South Carolina. Charleston, USA.
 16. Oviagele B, **Gebregziahber M** et al (2016). Addressing the Growing Burden of Stroke in Africa: The Journey So Far. Expanding the Scope of Research in Global Health: A Symposium Honoring the Leadership of Dr. Francis S. Collins. Bethesda, Maryland October 14, 2016
 17. **Owolabi M.O., Gebregziahber M** et al. (2016). International Stroke Conference Poster Abstracts - Community/Risk Factors Posters I Abstract WP206: A Tale of Blacks With Stroke on Two Continents and in Two Eras: Comparison of Baseline Risk Profiles in Black Africans and Black Americans. Stroke. 2016;47: AWP206 PUBLISHED in Stroke
 18. **Owolabi MO, Gebregziahber M et al.** (2015). SREN presentation in H3Africa Consortium Meeting, Washington DC, Oct 2015
 19. Taber DJ, Hamed M, **Gebregziahber M**, Srinivas T, Chavin K et al. A Critical Analysis of the Impact of Socioeconomic Status on Racial Disparities in Kidney Transplantation. Am J Transplant 2015; 15(S3): 327.
 20. Taber DJ, Srinivas T, **Gebregziabher M**, Chavin K, Baliga P, Egede L. The Double-Edged Sword of Therapeutic Tacrolimus Levels in African-American Kidney Transplant Recipients. J Am Soc Nephrol 2014;25:42A
 21. Taber Dj, Srinivas T, Pilch N, **Gebregziabher M**, Egede L, Baliga P, et al. The association between donor and recipient gene variants and tacrolimus safety and efficacy in a diverse cohort of kidney transplant recipients. Am J Transplant 2015; 15(S3): 479.
 22. Taber DJ, Hamed M, **Gebregziahber M**, Srinivas T, Chavin K et al. Attenuating racial disparities in kidney transplantation through the use of potent immunosuppressant regimens. Am J Transplant 2015; 15(S3): 510.
 23. **Gebregziabher M**, Yumin Z, Dismuke CE, Egede LE **Analysis of multivariate longitudinal health utilization outcomes using multivariate generalized linear Mixed models** Academy Health, June 23-25, Baltimore, MD.
 24. **Gebregziabher M**, Andrew Lawson, Lois Matthews, Mark Eckert, Judy Dubno. **A Random Effects Approach for Joint Modeling of Multivariate Longitudinal Hearing Loss Data Ascertained at Multiple Frequencies.** ENAR 2013. March 10-14, Orlando FL.
 25. Leonard E. Egede, MD MS, **Gebregziabher M**, Ph.D., Yumin Zhao, Ph.D., Clara E. Dismuke, Ph.D., Neal Axon MD, Rebekah Walker MS. **Longitudinal Impact of Mental Health Outpatient Care on Healthcare Cost For Individuals With type 2 Diabetes.** Academy Health, June 23-25 in Baltimore, MD.
 26. Leonard E. Egede, MD MS, **Gebregziabher M**, Ph.D., Yumin Zhao, Ph.D., Clara E. Dismuke, Ph.D., Neal Axon MD, Rebekah Walker MS. **Dual Eligibility With Medicare: A Dual Problem For Veterans With Traumatic Brain Injury?.** Academy Health, June 23-25 in Baltimore, MD.

27. **Gebregziabher M**, Zhoa Y, Axon N, Hunt K, Egede LE. Shared Parameter models for longitudinal multiple source cost data. (The Eastern North American Region of the International Biometric Society Annual Meeting, ENAR 2012, Washington DC).
28. **Gebregziabher M**, Lynch CP, Mueller M, Gilbert GE, Echols C, Zhao Y, Egede LE. Using quantile regression to investigate racial disparities in medication non-adherence (HSR&D 2011, Baltimore, MD).
29. **Gebregziabher M**, Desantis S, Palesch Y. Sensitivity analysis for modeling nonignorable missingness in randomized controlled trials. Poster Presentation at the 9th International Conference on Health Policy Statistics, October 5-7, 2011 in Cleveland, Ohio.
30. **Gebregziabher M**, Church P, Teklehaimanot A, Mauldin P. Bayesian Analysis to determine Individual Characteristics for HIV/AIDS Testing in Sub-Saharan Africa. ICASA2011, Addis Ababa, Ethiopia, Dec 4-8.
31. **Gebregziabher M**. Analysis of multivariate longitudinal cost data. CHDR grand rounds, MUSC, Charleston, SC. Feb 2012.
32. Dismuke L, Echols CG, **Gebregziabher M**, Egede L. Racial/Ethnic Disparities in Access to VA Services as a Pathway to Mortality Differentials among Veterans Diagnosed with TBI (MUSC Dept of Medicine Research Day, Nov 2011).
33. Dismuke L, Echols CG, **Gebregziabher M**, Egede L. Racial/Ethnic Disparities in Access to VA Services as a Pathway to Mortality Differentials among Veterans Diagnosed with TBI. Frontiers 13th Annual Frontiers in Neuroscience Research Day Neurodegenerative Disorders, March 30, 2012, Seabrook Island, SC
34. Vaden KI Jr, **Gebregziabher M**, Kuchinsky SE, Eckert MA. New Toolkit for Multiple Imputation on Group Level fMRI Statistics, Frontiers 13th Annual Frontiers in Neuroscience Research Day Neurodegenerative Disorders, March 30, 2012, Seabrook Island, SC
35. Rosenthal PA, Massoglia DP, Lundy K, **Gebregziabher M**, Gilbert G. Under Our Noses: A Reformulation of our understanding of Incidental Paranasal Sinusitis and Its Application in Interpreting Routine Sinus Imaging, ARRS annual meeting 2012, Vancouver, Canada
36. Rosenthal PA, Massoglia DP, Lundy K, **Gebregziabher M**, Gilbert G. Maxillary Sinus Pseudocysts - The "Missing Link" of Sinusitis? ARRS annual meeting 2012, Vancouver, Canada
37. Church P, **Gebregziabher M**, Teklehaimanot A, Mauldin P. Risk Factors for HIV/AIDS Infection in Sub-Saharan Africa: A Bayesian Analysis. ICASA 2011, Addis Ababa, Ethiopia, Dec 4-8.
38. Rand KA, Conti DV, Haiman CA, Van Den Berg DJ, Birmann BM, De Roos AJ, Severson RK, Edlund CK, **Gebregziabher M**, Cozen W. Risk loci in the 8q24 region and the risk of Multiple Myeloma.
39. Lynch C, **Gebregziabher M**, Hunt K, Echols GC, Gilbert G, Egede LE. Impact of Medical and Psychiatric Comorbidity Burden and Mortality in Veterans with Type 2 Diabetes, Society of General Internal Medicine 2012, Orlando, FL
40. Lynch C, **Gebregziabher M**, Hunt K, Echols GC, Gilbert G, Egede LE. Impact of Long-Term Medication Non-Adherence on Mortality Differs by Race/Ethnicity among Veterans with Diabetes, HSRD&D/QUERI National Conference 2012, Maryland
41. Hunt K, **Gebregziabher M**, Lynch C, Echols GC, Egede LE. Differential Impact of Poorly Controlled Diabetes on Mortality by Race/Ethnicity and Medication Status in a National Cohort of Veterans with Diabetes, HSRD&D/QUERI National Conference 2012, Maryland
42. **Gebregziabher M**, Zhoa Y, Axon N, Hunt K, Egede LE. Jointly Modeling of Multiple Cost Outcomes Using Multivariate Generalized Linear Mixed Models, HSRD&D/QUERI National Conference 2012, Maryland
43. Rand KA, Conti DV, **Gebregziabher M**, Van Den Berg DJ, Haiman C¹, Hartge P, Rothman N, Mohrbacher A, Morton LM, Wang S, Cozen W. Polymorphisms in DNA Repair Genes and Risk of Multiple Myeloma. InterLymph June 2011, Italy.

44. **Gebregziabher M.** Fitting parametric random effects models to very large data sets: case of VHA national data. Very Large Data Sets Conference, Baltimore, May 31-June 4.
45. **Gebregziabher M.** Dealing with missing race data: An empirical investigation of imputation techniques. Invited Poster Presentation at the Health Sciences Research and Development National meeting, National Harbor, MD (Feb 16, 2011)
46. **Gebregziabher M.** Using Quantile Regression to investigate racial disparities in medication non-adherence. VA-HSRD Equity Conference. Boston, MA, Sept 14,2010
47. **Gebregziabher M, Gumarease P, Conti D and Cozen W (2010).** **A polytomous conditional likelihood approach for combining matched and unmatched case-control studies.** ENAR 2010, New Orleans, LA, March 24, 2010.
48. **Gebregziabher M and DeSantis S.** **A latent class based multiple imputation approach for missing categorical data.** JSM 2009, Washington DC, August 1-6.
49. Wendy Cozen, Tiem-Yen Liang, David V. Conti, **Mulugeta Gebregziabher**, Leslie Bernstein, Ann Mohrbacher, Sophia Wang, Patricia Hartge and Otoniel Martinez-Maza. **Atopic Conditions and the Risk of Plasma Cell Tumors: A Population-Based Case-Control Study.** American Society of Hematology, 51st Annual Meeting, New Orleans, LA, Dec 5-8, 2009.
50. **Gebregziabher M, Gumarease P, Conti D and Cozen W (2010).** **A polytomous conditional likelihood approach for combining matched and unmatched case-control studies.** InterLymph 2009, Vancouver, Canada, July 18-22.
51. N. F. Esnaola, **Gebregziabher M,** K. C. Finney, M. Ford (2009). **Underuse of surgical resection in patients with nonmetastatic colorectal cancer: location, location, location.** American Surgical Association, 129th annual meeting, April 23, 2009, Indian Wells, CA.
52. Egede LE, Mueller M, Echols CL, **Gebregziabher M,** (2009). **Longitudinal Differences in Glycemic Control by Race and Ethnicity among Veterans with Type 2 Diabetes.** VA HSR&D, Chicago, IL
53. Arnoldi EM, Ruzcis B, Lee Y, **Gebregziabher M,** P. Costello, U.J. Schoepf. **CT Detection of myocardial Blood Volume Deficits: Dual-Energy CT compared with Single Energy CT Spectra,** RSNA 2009, Chicago, IL.
54. Arnoldi EM, Ruzcis B, Lee Y, **Gebregziabher M,** P. Costello, U.J. Schoepf. **CT Detection of myocardial Blood Volume Deficits: Dual-Energy CT compared with Single Energy CT Spectra,** ESCR 2009, Leipzig, Austria.
55. Aho M, **Gebregziabher M,** P. Costello, U.J. Schoepf. **Does Contrast Media Injection Increase Heart Rate at Coronary CT Angiography?** RSNA 2009, Chicago, IL.
56. Ruzcis B, Arnoldi EM, Lee Y, **Gebregziabher M,** P. Costello, U.J. Schoepf. **Dual-Energy CT versus Cardiac MRI for Determining Myocardial Infarct Size.** RSNA 2009, Chicago, IL.
57. Armstrong A, Parker A, **Gebregziabher M,** P. Costello, U.J. Schoepf. **Coronary Atherosclerosis and Coronary Artery Disease in Patients with Obstructive Sleep Apnea: Assessment at Coronary CT Angiography.** RSNA 2009, Chicago, IL.
58. Armstrong A, Parker A, **Gebregziabher M,** P. Costello, U.J. Schoepf. **Coronary Atherosclerosis and Coronary Artery Disease in Patients with Obstructive Sleep Apnea: Assessment at Coronary CT Angiography.** NASCI 2009, Orlando, FL.
59. Armstrong A, Parker A, **Gebregziabher M,** P. Costello, U.J. Schoepf. **Acute Chest Pain CT in the Emergency Department: Is there a Role for Computer Aided Lung Nodule Detection in Triple Rule-Out Scans?** RSNA 2009, Chicago, IL.
60. Armstrong A, Parker A, **Gebregziabher M,** P. Costello, U.J. Schoepf. **Acute Chest Pain CT in the Emergency Department: Is there a Role for Computer Aided Lung Nodule Detection in Triple Rule-Out Scans?** NASCI 2009, Orlando, FL.

61. H.-R. Kim, C. Thilo, A. Flauaus, B. RUSZSICS, H. Lee, J.A. Abro, **M. Gebregziabher**, T.J. Vogl, P. Costello, U.J. Schoepf: **Predictive value of stenosis severity and atherosclerotic plaque burden at coronary CT angiography for major adverse cardiac events (MACE)- population based outcome study** Accepted at the European Congress of Radiology (ECR) 2008, Vienna, Austria
62. Ruzcis B, H. Lee, P. Zwerner, **M. Gebregziabher**, P. Costello, U.J.Schoepf: **Coronary CTA and Myocardial Blood Pool Analysis Using Cardiac Dual-Energy CT: Initial Experience.** Accepted for E-poster presentation at the 57th Annual Meeting of ACC, 2008, Chicago, IL, USA
63. Ruzcis B, A. Parker, R. Brothers, **M. Gebregziabher**, P. Costello, U.J.Schoepf: **Biomarker Correlation with Cardiovascular CT Data** Accepted for Oral presentation at the Society of Thoracic Radiology (STR) Annual Meeting, 2008, Fort Myers, FL, USA
64. Ruzcis B, P. Suranyi, H. Lee, **M. Gebregziabher**, P. Zwerner, T. Flohr, P. Costello, U.J. Schoepf: **Dual-Energy CT of the heart – initial experience** Accepted for Oral presentation at the SCBTMR, 2008, Charleston, SC, USA **Winner of Houndsfield Award (1st place major award).**

Community Service

2014-2017	Coach of Youth Basketball	Mt Pleasant, SC
2014-2017	AMHS Booster Club	Charleston, SC
2014-2017	AMHS International Dinner	Charleston, SC
2014-2018	MUSC International Bazaar	Charleston, SC
2013-2017	Coach of Youth Soccer	Mt Pleasant, SC
2012-Now	Secretary of ED-REAP,	www.ed-reap.org
2012-Now	Mentor for junior faculty	Mekelle University, Ethiopia
2015-Now	Mentor for junior faculty	St Paul College, Ethiopia
2016-Now	Mentor for junior faculty	Aksum University, Ethiopia
2015-2017	Mentor for junior faculty	ASA Applied Stat group
2018-2019	Mentor high school student	AMHS
2017-2018	Global kitchen columnist for Post and Courier	Charleston, SC
2018-	Board Member of St John's Church Sebeka Gubae,	Charleston, SC