


Dr. Jung Hye Sung Lee

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 1400 John R. Lynch Street, Jackson, MS

 jung.h.lee@jsums.edu

Education

- AUG 2016 -
FEB 2000 | **Doctor of Science (Sc.D)**
Tulane University, School of Public Health and Tropical Medicine
Concentration: Biostatistics
Dissertation: *Trends of Ischaemic Hearth Disease Mortality in Korea, 1980-1994: Age-Period-Cohort analysis*
- MAR 1990 -
FEB 1992 | **Mater of Public Health (MPH)**
Seoul National University, School of Public Health
Concentration: Public Health, Demography
- MAR 1986 -
FEB 1990 | **Bachelor of Science (BS)**
Ewha Women University
Concentration: Health Education

Teaching Experience

- MAY 2019
-
PRESENT | **Professor**
Jackson State University, Department of Epidemiology and Biostatistics
- MAY 2022
-
PRESENT | **Professor**
University of Mississippi Medical Center, School of Nursing
- MAY 2013
-
PRESENT | **Professor**
The Graduate Training and Education Center (GTEC), Jackson State University
- JAN 2021 -
MAY 2021 | **Adjunct Professor**
Jackson State University, Department of Biology
- MAY 2015
- MAY
2019 | **Associate Professor**
Jackson State University, Department of Epidemiology and Biostatistics
- AUG 2009
- MAY
2015 | **Assistant Professor**
Jackson State University, Department of Epidemiology and Biostatistics
- JAN 2007 -
AUG 2009 | **Adjunct Assistant Professor**
Jackson State University, Department of Epidemiology and Biostatistics

Research Experience

- JAN 2010 - PRESENT | **Biostatistician**
Research Centers in Minority Institutions Translational Research Network (RCMI/RTRN) Data Technology Coordinating Center @JSU
- MAY 2012 - AUG 2024 | **Data Curator**
Vanguard Center of Jackson Heart Study, @JSU
- MAY 2024 - PRESENT | **Co-Investigator**
MWCCS Pilot Study, University of Mississippi Medical Center
- MAR 2013 - OCT 2022 | **Co-Investigator**
Title: Role of inflammation in the progression of diabetic nephropathy, Charles R Drew University of Medicine and Science
- MAR 2012 - DEC 2017 | **Biostatistician**
Title: FRS and Noninvasive Measures Including CAC/ CRP/ Renal Function, Wake Forest University Health Sciences
- FEB 2012 - DEC 2017 | **Biostatistician**
Title: Predictive Model for Cardiovascular Disease in African Americans, Boston University
- JAN 2012 - DEC 2014 | **Biostatistician**
Title: Stroke Prevention/Intervention Research Program, Morehouse School of Medicine
- MAR 2012 - DEC 2017 | **Biostatistician**
Title: Targeted Analyses of Jackson Heart Study: Howard-Covington-Obesity Project
Howard University
- DEC 2011 - DEC 2014 | **Biostatistician**
Title: Obesity and Predictors of Cardiovascular Outcomes, Morehouse School of Medicine
- OCT 2011 - OCT 2014 | **Co-Investigator**
Vaccination Status and Health Outcomes among Home-School Children in the US, @JSU
- JAN 2010 - DEC 2015 | **Biostatistician**
Title: Subclinical Cardiovascular Disease with Metabolic Syndrome and Diabetes, University of Mississippi Medical Center
- FEB 2010 - DEC 2015 | **Biostatistician**
Title: Ankle-Brachial Index, Abdominal Aortic Calcification, and Coronary Artery Calcification, University of Mississippi Medical Center
- NOV 2010 - DEC 2013 | **Biostatistician**
Title: CRP and Subclinical Cardiovascular Disease, University of Mississippi Medical Center
- SEP 2010 - DEC 2017 | **Biostatistician**
Title: Sleep-Disordered Breathing and Risk for CVD and Stroke in the Jackson Heart Study (Sleep Study), University of Mississippi Medical Center and the National Center for Complementary and Alternative Medicine
- AUG 2010 - DEC 2015 | **Biostatistician**
Title: Health-Promoting Programs on CVD Risk (Yoga Study)

JUN 2006 -
DEC 2013

Biostatistician

Jackson Heart Study @JSU

JAN 2008 -
DEC 2011

Biostatistician

Title: CARE-PAD, Boson University

JUN 2003 -
JUN 2006

Research Biostatistician

Office of Health Services (Data Unit), Mississippi State Department of Health

JAN 1999-
FEB 2001

Research Consultant

Project: Clearwater Osteoarthritis Epidemiology Study, Exercise Study
Arthritis Research Institute of America, Clearwater, Florida

Other Professional Experience

JAN 2016 –
PRESENT

President

Korean Society for Public Health in the United States of America

JAN 2015 -
PRESENT

Chair of US Branch

Korean Public Health Association

OCT 2017 -
PRESENT

Reviewer

Global Journal of Health Science

JAN 2017 -
PRESENT

Reviewer

Preventing Chronic Disease

JAN 2017 -
PRESENT

Reviewer

American Public Health Association

JAN 2015 -
2024

Reviewer

Ethnicity and Disease

JAN 2013 -
DEC 2021

Reviewer

Frontiers in Epidemiology

JAN 2017 -
DEC 2019

Editorial Board

Public Health Open Access, Medwin Publishers

JAN 2009 -
DEC 2018

Editorial Board

Primary Prevention Insights, Libertas Academica

JAN 2012 -
DEC 2012

Editorial Board

Particle Physics Insights, Libertas Academica

JAN 2009 -
DEC 2018

Reviewer

Primary Prevention Insights, Libertas Academica

JAN 2012 -
DEC 2017

Reviewer

Particle Physics Insights, Libertas Academica

JAN 2016 -
DEC 2016

Reviewer

BMC Health Services Research

JAN 2013 -
DEC 2017

Editorial Board

Frontiers in Epidemiology

JAN 2013 -
DEC 2013

Reviewer

Journal of Cardiovascular Medicine

JAN 2013 -
DEC 2013

Reviewer

Journal of Physical Activity and Health

JAN 2009 -
DEC 2009

Reviewer

Ethnicity and Disease

JAN 2006 -
DEC 2008

Chair of Statistic and Quality Assurance Subcommittee

Jackson Heart Disease

Invited Talks

MAR 2022

Sample Size and Power Analysis

Extracurricular Seminar in Biostatistics, College of Health Sciences, Jackson State University

FEB 2020

How to determine the sample size?

Extracurricular Seminar in Biostatistics, College of Health Sciences, Jackson State University

FEB 2019

Sample Size Determination

Extracurricular Seminar in Biostatistics, School of Public Health, Jackson State University

NOV 2018

Power Analysis

Korean Society of Public Health

FEB 2018

Sample Size and Power Analysis

Extracurricular Seminar in Biostatistics, School of Public Health, Jackson State University

NOV 2017

Introduction of the Heart Studies in the US: Potential Collaborations

Korean Society of Public Health

Publications

1. Laree M. hiser, Karen Arrant, **Jung Hye Sung**, Lei Zhang. Association of Self-Report Measures with Salivary biomarkers in Postmenopausal Women. **Journal of Public Health in the Deep South**. Accepted August 2024
2. Katie C. Hall, Jennifer C. Robinson, Masouneh Karimi, **Jung Hye Sung**. Effect of maternal race, residential rurality, and social vulnerability on critical congenital heart defect risk. **Pediatric Cardiology**. 2024 Apr 9 PMID: **38592473** doi: 10.1007/s00246-024-03472-2.
3. Aparna Ramani, Tina B. Hershey, Marian Jarlenski, Yalanda M. Barner, **Jung Hye Sung** Conceptualizing a Health Equity Policy Review: A Framework to Inform Equitable Policymaking. *Journal of Public Health Management & Practice*. Submitted on June 2, 2023
4. Sinha SK, Sun L, Didero M, Martins D, Norris KC, Lee JE, Meng YX, **Sung JH**, Sayre M, Carpio MB, and Nicholas SB. Vitamin D3 Repletion Improves Vascular Function, as Measured by Cardiorenal Biomarkers in A High-Risk African American Cohort. **Nutrients**. 2022 Aug 14;14(16):3331 PMID: 36014837 **PMCID: PMC9414215**. doi: 10.3390/nu14163331

5. Ji-Young Lee, Hogan Lee, Jae Eun Lee, **Jung Hye Sung**. Validation of Sentiment Markers Extracted by Using Machine Learning: Twitter Mining of Covid-19. **Journal of Advances in Medicine and Medical Research**. 2022 Aug 34(21):324-336 DOI: 10.9734/jammr/2022/v34i2131551
6. Brown, L., Sharma, M., Leggett, S., **Sung, JH.**, Bennett, R. L, & Azevedo, M. Efficacy testing of the SAVOR (Sisters Adding Fruits and Vegetables for Optimal Results) intervention among African American women: A randomized controlled trial. **Health Promotion Perspectives**, 10(3), 270-280. doi: 10.34172/hpp.2020.41. eCollection 2020. **PubMed PMID: 32802764**; PubMed Central PMCID: PMC7420176.
7. Prince Onyekachi Andrew, Azad Bhuiyan, **Jung Hye Sung**, Anthony Mawson, Mohammad Shahbazi. Knowledge and Attitudes toward HIV/AIDS among African American Undergraduate Students in Jackson, Mississippi. **Asian Journal of Research in Infectious Diseases**. 2020 3(2):29-40
8. Sinha SK, Nicholas SB, **Sung JH**, Correa A, Rajavashisth TB, Norris KC, Lee JE. hs-CRP Is Associated With Incident Diabetic Nephropathy: Findings From the Jackson Heart Study. *Diabetes Care*. 2019 Nov;42(11):2083-2089. doi: 10.2337/dc18-2563. Epub 2019 Sep 11. **PubMed PMID: 31511234**; PubMed Central PMCID: PMC6804609.
9. Yalanda Barner, **Jung Hey Sung**, Luma Akil, Sophia S. Legget. Association between Health Insurance and Obesity among Adolescents. **European Journal of Environment and Public Health**. 2019, 3(2), em0031
10. Traci Hayes, Manoj Sharma, Mohammad Shahbazi, **Jung Hye Sung**, Russell Bennett, Jacqueline Reese-Smith. The evaluation of a fourth-generation multi-theory model (MTM) based intervention to initiate and sustain physical activity. **Health Promotion Perspectives**. 2019; 9(1): 13–23. doi: 10.15171/hpp.2019.02. eCollection 2019. PubMed PMID: 30788263; **PubMed Central PMCID: PMC6377703**.
11. Prince Andrew, Azad Bhuiyan, Anthony Mawson, Sarah Buxbaum, **Jung Hye Sung**, Mohammad Shahbazi. HIV/AIDS Knowledge of Undergraduate Students at a Historically Black College and University. **Disease**, 2018 Dec; 6(4): 98. doi: 10.3390/diseases6040098. **PubMed PMID: 30384469**; PubMed Central PMCID: PMC6313487.
12. Jae Eun Lee, **Jung Hye Sung**, Daniel Sarpong, Jimmy Efird, Keith Norris. Knowledge Management for Fostering Biostatistical Collaboration within a Research Network: The RTRN Case Study. **International Journal of Environmental Research and Public Health**. 2018 Nov; 15(11): 2533. doi: 10.3390/ijerph15112533. PubMed **PMID: 30424550**; PubMed Central PMCID: PMC6266008.
13. **Jung Hye Sung**, Jae Eun Lee, Ji-Young Lee. Role of Social Support in the Relationship Between Acculturative Stress and Discrimination among Three Latino Sub-Groups Immigrants in the USA. **International Journal of Advanced Research in Science, Engineering and Technology**. 2018, Sept.5(9), 6777-6783 **PubMed PMID: 31485463**; PubMed Central PMCID: PMC6726399.
14. **Jung Hye Sung**, Jae Eun Lee, Ji-Young Lee. Biomarker Differences between Controlled and Uncontrolled Hypertension among US Adults: National Health and Nutrition Examination Survey 2005-2010. **International Journal of Advanced Research in Science, Engineering and Technology**. 2018, Sept.5(9), 6789-6796. **PubMed PMID: 31467942**; PubMed Central PMCID: PMC6715317
15. **Jung Hye Sung**, Jae Eun Lee, Ji-Young Lee. Effects of Social Support on Reducing Acculturative Stress-Related to Discrimination between Latin and Asian Immigrants: Results from National Latino and Asian American Study (NLAAS). **Journal of Advances in Medicine and Medical Research** . 2018, 27(4), 1-10 doi: 10.9734/JAMMR/2018/42728. Epub 2018 Aug 16. **PubMed PMID: 31565681**; PubMed Central PMCID: PMC6764774.
16. Juliet Enow, **Jung Hye Sung**. Association between Perceived Mental Health and Sociodemographic Factors among Adults in Mississippi: Results from BRFS, 2016. **International Journal of Advanced Research in Science, Engineering and Technology**. 2018, Sept.5(9), 6720-6726
17. Ledetra Shanta Bridges, Manoj Sharma, **Jung Hye Sung Lee**, Russell Bennett, Sarah G. Buxbaum, Jacqueline Reese-Smith. Using the PRECEDE-PROCEED model for an online peer-to-peer suicide prevention and awareness for depression (SPAD) intervention among African American college students: experimental study. **Health Promotion Perspectives**, 2018, 8(1), 15-24
18. LaTonya Lott, **Jung Hye Sung**, Jae Eun Lee. Association of adolescent obesity with sexual risky behaviors: Results from Mississippi YRBS, 2013-2015. **International Journal of Advanced Research in Science, Engineering and Technology**. 2018, Sept.5(9), 6742-6746. **PubMed PMID: 31467941**; PubMed Central PMCID: PMC6715318

19. Solomon Musani, Ramachandran Vasam, Aurelian Bidulescu, *Jung Hye Sung*, Gregory Wilson, Sr, Eva Ingram, Vanessa Xanthakis, Mario Sims, Tandaw Samdarshi, Michael Pencina, Herman Taylor, Ervin Fox. Relation of Multiple Biomarkers with the Risk of Cardiovascular Disease Events and All Cause Death in African Americans: The Jackson Heart Study. **Journal of the American Heart Association** (In review)
20. Britney Bennett, Manoj Sharma, Russell Bennett, Anthony R Mawson, Sarah G Buxbaum, *Jung Hye Sung*. Using Social Cognitive Theory to Predict Medication Compliance Behavior in Patients with Depression in Southern United States in 2016 in a Cross-Sectional Study. **Journal of Caring Sciences**. 2018 Mar 1;7(1):1-8. **PMID: 29637050**; PubMed Central PMCID: PMC5889792.
21. Hogan Lee, *Jung Hye Sung*, Ji-Young Lee, Jae Eun Lee. Difference by Sex in Association of Mental Health with Video Gaming or Other Nonacademic Computer Use among U.S Adolescents. **Preventing Chronic Disease**. 2017 Vol.: 14, E117: **PMID: 29166250** (Nominated two finalists)
22. Gabriell Copper, Manoj Sharma, Russell Bennett, Anthony Mawson, Sarah Buxbaum, *Jung Hye Sung*, Using Social Cognitive Theory To Predict Preventive Health Screening Behaviors among Type 1 Diabetics. **American Journal of Health Studies**, 2016; 31 (2)
23. *Jung Hye Sung*, Joseph Yeboah, Jae Eun Lee, Che L Smith, James G. Terry, Mario Sims, Tandaw Samdarshi, Solomon Musani, Ervin Fox, Yaorong Ge, James G. Wilson, Herman A Taylor, J. Jeffery Carr. Diagnostic Value of Coronary Artery Calcium Score for Cardiovascular Disease in African Americans: The Jackson Heart Study. **British Journal of Medicine and Medical Research**. 2016 Vol.: 11, Issue.: 2. **PMID:26949662**
24. Ervin Fox, Tandaw Samdarshi , Solomon Musani , Michael Pencina , *Jung Hye Sung* , Vanessa Xanthakis , Pelbretton Balfour , Satya Shreenivas , Carolyn Covington , Philip Liebson , Ramachandran Vasam , Herman Taylor. Development and Validation of Risk Prediction Models for Cardiovascular Events in Black Adults: The Jackson Heart Study. **JAMA Cardiology** . 2016 Apr 1;1(1):15-25. **PMID:27437649**
25. Jae Eun Lee, *Jung Hye Sung*, Mohamad Malouhi. Statistical Validation of a Web-based GIS Application: Applicability to Cardiovascular-Related Studies. **International Journal of Environmental Research and Public Health**. 2015 Dec 22;13(1), **PMID: 26703652**
26. Jae Eun Lee, *Jung Hye Sung*, M. Edwinna Barnett, Keith Norris. User-Friendly Data-Sharing Practices for Fostering Collaboration within a Research Network: Roles of a Vanguard Center for the Community-Based Study. **International Journal of Environmental Research and Public Health**. 2015 Dec 22;13(1). **PMID: 26703645**
27. Vanessa Xanthakis *Jung Hye Sung*, Tandaw E. Samdarshi, Alethea N. Hill, Solomon K. Musani, Mario Sims, Kamel A. Ghraibeh , Philip R. Liebson, Herman A. Taylor, Ramachandran S. Vasam, Ervin R. Fox, Relations between Subclinical Disease Markers and Type 2 Diabetes, Metabolic Syndrome, and Incident Cardiovascular Disease: The Jackson Heart Study. **Diabetes Care**. 2015 Jun;38(6):1082-8, **PMID:25765357**
28. Vincent L. Mendy, Mario J. Azevedo, Daniel F. Sarpong, Sylvia E. Rosas, Olugbemiga T. Ekundayo, , *Jung Hye Sung*, Azad R. Bhuiyan, Brenda C. Jenkins, Clifton Addison, The association between individual and combined components of metabolic syndrome and chronic kidney disease among African Americans: The Jackson Heart Study. **PLoS One**. 2014 Jul 3;9(7) **PMID:24991817**
29. *Jung Hye Sung*, Jae Eun Lee, Tandaw E. Samdarshi, Harsha S. Nagarajarao, Jason K. Taylor, Khushboo Agrawal, Herman A. Taylor, Jr. and Ervin R. Fox. The Relation to C-reactive Protein to Subclinical Disease in African Americans : (the Jackson Heart Study) **Journal of Cardiovascular Medicine**. 2014 May;15(5):371-6. PMID:24751480
30. Bobby Tullos, *Jung Hye Sung*, Jae Eun Lee, Michael H. Criqui, Herman Taylor, The Relationship Between the Ankle-Brachial Index and Aortic Calcification: The Jackson Heart Study. **International Journal of Cardiovascular Imaging**, Volume 29, Issue 4 (2013), Page 891-897. doi: 10.1007/s10554-012-0145-y. Epub 2012 Oct 31. **PubMed PMID: 23111408**; PubMed Central PMCID: PMC3712513.
31. Ervin R. Fox, Solomon K. Musani, Aurelian Bidulescu, Harsha S. Nagarajarao, Tandaw E. Samdarshi, Samson Y. Gebreab. *Jung Hye Sung*, Michael W. Steffes, Thomas J. Wang, Herman A. Taylor, Ramachandran S. Vasam, The Relations of Obesity to Circulating B-type Natriuretic Peptide Concentrations in African Americans: The Jackson Heart Study, **Circulation**. 2011; 124: 824-829. doi: 10.1161/CIRCULATIONAHA.110.991943. Epub 2011 Aug 8. **PubMed PMID: 21824924**; PubMed Central PMCID: PMC3318977

32. Patricia M. Dubbert, Barbara E. Ainsworth, **Jung Hye Sung**, Jennifer C. Robinson, Sharon B. Wyatt, Teresa Carithers, Robert Newton, Jamie L. Rhudy, Krista Barbour, Barbara Sternfeld, and Herman Taylor. Physical Activity and Obesity in African Americans: the Jackson Heart Study. **Ethnicity & Disease**. Vo. 20 Autumn 2010: 383-389. **PubMed PMID: 21305826**; PubMed Central PMCID: PMC5074338.
33. Jae Eun Lee, **Jung Hye Sung**, WonJae Lee, Inok Moon. Access to and utilization of the open source data-related to adolescent health. **The Korean Society for School Health Education**, Vol.11 (1) June 2010: pp. 67-78
34. Jae Eun Lee, James Perkins, M. Edwina Barnett, Daniel Sarpong, and **Jung Hye Sung**. Importance of Capacity Assessment for an Early Staged-Research Network Designed to Eliminate Health Disparity: Lessons from RTRN. **Ethnicity and Disease**, 20(suppl.1) 2010: pp. 5-8. **PubMed PMID: 20521405**; PubMed Central PMCID: PMC2882107.
35. Jiankang Liu, Kenneth Butler, Sarah Buxbaum, **Jung Hye Sung**, Brenda Campbell, and Herman Taylor. Leptinemia and its Association with Stroke and Coronary Heart Disease in the Jackson Heart Study. **Clinical Endocrinology**, Volume 72, Number 1, January 2010 , pp. 32-37(6). doi: 10.1111/j.1365-2265.2009.03627.x. Epub 2009 May 16. **PubMed PMID: 19473179**; PubMed Central PMCID: PMC2805061.
36. Todd A. Smitherman, Patricia M. Dubbert, Karen B. Grothe, **Jung Hye Sung**, Darla E. Kendzor, Jared P. Reis, Barbara E. Ainsworth, Robert L. Newton, Karen T. Lesniak, and Herman A. Taylor, Validation of the Jackson Heart Study Physical Activity Survey in African Americans. **Journal of Physical Activity & Health**, 2009;6 Suppl 1:S124-32. doi: 10.1123/jpah.6.s1.s124. **PubMed PMID: 19998858**.
37. Herman Taylor, Jiankang Liu, Gregory Wilson, Micheal Steffes, Sherita H. Golden, Errol Crook, Claude D. Brunson, **Jung Hye Sung**, Distinct Component Profiles and High Risk among African Americans with the Metabolic Syndrome: The Jackson Heart Study. **Diabetes Care**. 2008 Jun;31(6):1248-53. doi: 10.2337/dc07-1810. Epub 2008 Mar 10. **PubMed PMID: 18332154**; PubMed Central PMCID: PMC3209804.
38. William B. Ward, Jae Eun Lee, **Jung Hye Sung** . Using Data Hierarchies to Identify Health Disparities Geographically. **Practicing Anthropology**. 2007 29(4): 29-33
39. Jae Eun Lee, **Jung Hye Sung**, William B. Ward, Peter J. Fos, Won Jae Lee. Utilization of the Emergency Room: Impact of Geographic Distance. **Geospatial Health**, 2007, 2:243-253. doi: 10.4081/gh.2007.272. **PubMed PMID: 18686249**.
40. Jae Eun Lee, Peter Fos, **Jung Hye Sung**, Brian Amy, Miguel Zuniga, Won Jae Lee, Jae Chang Lee. Relationship of Cataract Symptom of Preoperative Patients and Vision-Related Quality of Life. **Quality of Life Research**, 2005, 14:1845-1853. doi: 10.1007/s11136-005-4348-8. PubMed PMID: 16155772.
41. Peter J. Fos, Jae Eun Lee, **Jung Hye Sung**, Miguel A. Zuniga, Brian W. Amy. The Role of Quality Improvement in Disease Management: A State-wide Tuberculosis Control Success Story. **Journal of Public Health Management and Practice**, 2005,11(3):222-7. . doi: 10.1097/00124784-200505000-00007. **PubMed PMID: 15829835**.
42. Jae Eun Lee, Peter Fos, Miguel Zuniga, Peter Kastl, **Jung Hye Sung**. Health-Related Quality of Life in Cataract Patient: Cross-cultural comparison of utility and psychometric measures. **Ophthalmic Epidemiology**, 2003,10 (3): 117-191. . doi: 10.1076/opep.10.3.177.15084. PubMed PMID: 12815492.
43. Jae Eun Lee, **Jung Hye Sung**. Rasch Analysis of Korean Version of VF-14: Calibration and Unidimensionality. **International Journal of Methods in Psychiatric Research**, 2001;10 (4).
44. Jae Eun Lee, Peter Fos, Miguel Zuniga, Peter Kastl, **Jung Hye Sung**. Assessing Health-Related Quality of Life in Cataract Patient: The relationship between utility and health-related quality of life measurement. **Quality of Life Research**, 2000;9(10):1127-1135. . doi: 10.1023/a:1016645523769. **PubMed PMID: 11401045**.

Conferences (Publications)

1. Deborah Konkle-Parker, Katie Hall, **Jung Hye Lee**, Masoumeh Karimi, Melissa Klamm, Jenni Wise, Maria L Alcaide, Marlene Camacho-Rivera, Aruna Chandran, Mardge Cohen, Andrew Edmonds, Amanda Blair Spence, Anjali Sharma, Sheri Weiser, and Gina Wingood. The relationship between social determinants of health and physical activity with perceived stress in US women with and without HIV. APHA 2024 Annual Meeting & Expo, Oct. 27 - 31, 2024, Minneapolis, MN. Oral Presentation

2. Laree M. hiser, Karen Arrant, **Jung Hye Sung**, Lei Zhang. Association of PROMIS Self-Report Tools with Salivary biomarkers in Postmenopausal Women. 2024 UMMC School of Nursing Research and Scholarship Day. April. 2024, Jackson, MS
3. Aparna Ramani, Erica Pierce, Yalanda Barner, Marinelle Payton, **Jung Hye Sung**, Marian Jarlenski, Tina Hershey, Noble Maseru, and Drew Trate. The importance of health equity policy reviews for state and territorial health departments . APHA 2023 Annual Meeting & Expo, Nov. 12-15, 2023, Atlanta, GA
4. **Jung Hye Sung**, Ji-Young Lee-Barrar, Hogan Lee, Jae Eun Lee. Psychometric Comparison Between Disaster and Polarity as a Sentiment Marker Extracted by Using Machine Learning-Based Twitter Mining. 2023 UMMC School of Nursing Research and Scholarship Day. April 3. 2023, Jackson, MS
5. **Jung Hye Sung**, Ji-Young Lee-Barrar, Jae Eun Lee. Opinion Mining of Tweets using Machine Learning and Lexicon-Based Methods: Comparison Between Covid-19 and Vaping. Women in Statistics and Data Science Conference. Oct. 6-8. 2022, St. Louis, Missouri
6. Jae Eun Lee, **Jung Hye Sung**, Ji-Young Lee. Validation of Sentiment Markers Extracted by Using Machine Learning: Twitter Mining of Covid-19. The 4th International Conference on Machine Learning and Intelligent Systems. Nov. 8-11, 2022. Seoul, Republic of Korea.
7. **Jung Hye Sung**, Hogan Lee, Jae Eun Lee. Applying Geotagged Twitter to Investigate Association of Emotional Well-Being with Neighborhood Characteristics. Mediterranean Geosciences Union Annual Meeting. Nov. 25-28, 2021. Istanbul
8. **Jung Hye Sung**. External Validity of Geotagged-Tweet DATA for Determining Geographical Disparity in Emotional Well-Being: Comparison with BRFSS DATA. APHA 2019 Annual Meeting & Expo, Nov. 2 - 6, 2019, Philadelphia, PA
9. **Jung Hye Sung**. Sample Size. APHA 2018 Annual Meeting & Expo, Nov. 10 - 14, 2018, San Diego, CA
10. Jae Eun Lee, **Jung Hye Sung**, Ji-Young Lee. Emotional Well-being during the Recovery from Hurricane: Twitter Mining. APHA 2018 Annual Meeting & Expo, Nov. 10 - 14, 2018, San Diego, CA
11. **Jung Hye Sung**, Jae Eun Lee and Ji-Young Lee, Association of Emotional Well-Being with Neighborhood Characteristics: Geotagged Twitter Mining. APHA 2018 Annual Meeting & Expo, Nov. 10-14, 2018, San Diego, CA
12. Traci Hayes, Manoj Sharma, Mohammad Shahbazi, **Jung Hye Sung Lee**, Russell Bennett, Jacqueline Reese-Smith. Utilizing multi-theory model of health behavior change to promote physical activity among African-American women. APHA 2018 Annual Meeting & Expo, Nov. 10 - 14, 2018, San Diego, CA
13. LaVonne Brown, Manoj Sharma, Sophia Leggett, Russell Bennett, **Jung Hye Sung Lee**, Mario Azevedo. Testing the efficacy of an intervention based on the multi theory model of health behavior change to initiate and maintain fruit and vegetable consumption among African American women in Mississippi. APHA 2018 Annual Meeting & Expo, Nov. 10 - 14, 2018, San Diego, CA
14. Jae Eun Lee, **Jung Hye Sung**, Ji-Young Lee. Generating Big Data of Cardiovascular Risk Factors through Geotagged Twitter Mining. International Academy of Cardiology, 23rd World Congress on Heart Disease, Boston, MA. July 27-29, 2018
15. Jae Eun Lee, **Jung Hye Sung**, Ji-Young Lee. Application of RTRN GIS Tool into Geotagged Twitter Mining. RCMJ Translational Science 2017. Washington, DC. Oct. 28- Nov.1, 2017
16. Jae Eun Lee, **Jung Hye Sung**. Transforming Medical Records into OMOP CDM: Role of RTRN DCC. RCMJ Translational Science 2017. Washington, DC. Oct. 28- Nov.1, 2017
17. **Jung Hye Sung**. Introduction of Heart Studies in the U.S.:Potential Collaboration. APHA 2017 Annual Meeting & Expo, Nov. 4 - 8, 2017, Atlanta, GA
18. Hogan Lee, **Jung Hye Sung**. Gender Difference in Association of Monitor Gaming or Non-academic Computer Use with Mental Health among U.S Adolescents: Youth Risk Behavior Survey, 2015. 14th International Symposium on Recent Advances in Environmental Health Research, Jackson, MS. September 10-13, 2017 (**1st Place Award**)
19. Juliet Enow, Jae Eun Lee and **Jung Hye Sung**. Perceived stress amongst freshmen in Historically Black College and University. 14th International Symposium on Recent Advances in Environmental Health Research, Jackson, MS. September 10-13, 2017

20. Sean Lenard, Jaelrbreiret Williams, MAT, Ed.S, Jae Eun Lee, **Jung Hye Sung**, Sophia Leggett. Association of Stress Symptoms with Progression of Chronic Diseases among African Americans: Mediating Role of Pain. 14th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 10-13, 2017
21. Veronica Hernandez, Coleman Coleman, Jae Eun Lee and **Jung Hye Sung**. Association between stress and smoking in HBCU students. 14th International Symposium on Recent Advances in Environmental Health Research, Jackson, MS. September 10-13, 2017
22. LaTonya A. Lott, **Jung Hye Sung Lee**, Sophia S. Leggett, Anthony R. Mawson, Jae Eun Lee and Lei Zhang. The Relationship Between Obesity, Risk-Taking Behaviors, and Psychosocial Dysfunction among Mississippi Public High School Students. 13th International Symposium on Recent Advances in Environmental Health Research, Jackson, MS. September 11-14, 2016
23. Josephine P Obamwonyi, **Jung Hye Sung Lee**, Emeka Nwagwu, Russell L Bennett, Sarah G Buxbaum, Azad R Bhuiyan and Jae E Lee. Flu Vaccine Usage in Elderly Asthmatics in the USA. 13th International Symposium on Recent Advances in Environmental Health Research, Jackson, MS. September 11-14, 2016
24. Michelle Didero, Keith Norris, David martins, Jae Eun Lee, Yuan-Xiang Meng, **Jung Hye Sung**, Susanne Nicholas. Assessment of vitamin D repletion on cFGF23, PAI-1, and vascular function in a high-risk African American cohort. David Geffen School of Medicine at UCLA Josiah Brown Summer Research Poster Fair. Los Angeles, CA June 22, 2016.
25. Thia Walker, Manoj Sharma, Mario Azevedo, Russell Bennett, Sarah Buxbaum, **Jung Hye Sung Lee**, School Climate And Environmental Predictors Of Tobacco, Alcohol, And Marijuana Use In Middle School Students Of Mississippi . APHA 2016 Annual Meeting & Expo, Denver, CO. Oct. 29 - Nov. 2, 2016
26. Mujuni Maliyamkono, , Azad R Bhuiyan, , Clifton C. Addison, **Jung Hye Sung Lee**, Mario Azevedo, Sophia Leggett, Solomon Musani, Side Effects Of Antihypertensive Therapy On Lung Function And Other Respiratory Symptoms: Findings From The Jackson Heart Study. APHA 2016 Annual Meeting & Expo, Denver, CO. Oct. 29 - Nov. 2, 2016
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28. Britney Green-Bennett, , Manoj Sharma, , Russell Bennett, , Anthony Mawson, Sarah Buxbaum, And **Jung Hye Sung Lee**, Using Social Cognitive Theory To Predict Compliance For Medication Use In Patients With Depression. APHA 2016 Annual Meeting & Expo, Denver, CO. Oct. 29 - Nov. 2, 2016
29. **Jung Hye Sung**, Ji-Young Lee, Jae Eun Lee. Cardiovascular Risk And Health-Related Quality Of Life (Hrql) Among HIV-Positive Patients In US Household Population: The National Health And Nutrition Examination Survey (NHANES) 1999-2012. International Academy Of Cardiology, Annual Scientific Sessions 2015 20th World Congress On Heart Disease. Vancouver, BC, CANADA, July 25-27, 2015.
30. **Jung Hye Sung**, Ji-Young Lee, Jae Eun Lee. Association of Weight Management Tactics with Cardiovascular Risk Among Obese Adults with Hypertension: US The National Health And Nutrition Examination Survey (NHANES) 1999-2012. ISHIB New York City, NY. May 5-8, 2015.
31. **Jung Hye Sung**, Ji-Young Lee, Jae Eun Lee. Association Of Household Composition With Healthy Food Intake And Obesity Among US Adults. International Nutrition & Diagnostics Conference, Hotel DAP, Prague, Czech Republic, October 5 - 8, 2015.
32. Ji-Young Lee, **Jung Hye Sung**, Jae Eun Lee. Racial Difference In Weight Management Practices Among US Adults: National Health And Nutrition Examination Survey (NHANES) 1999-2011. The 8th Health Disparities Conference, March 12-14, 2015, New Orleans, Louisiana
33. Jae Eun Lee, **Jung Hye Sung**, JT Efid; ME Barnett, Strategic Approach for Collaboration within a Research Network. The International Symposium on Minority Health and Health Disparities, December 1-3, 2014, Washington, DC.
34. Jae Eun Lee, M Malouhi; **Jung Hye Sung**, Validation of RTRN DCC Web-based GIS Application. The International Symposium on Minority Health and Health Disparities, December 1-3, 2014, Washington, DC.

35. Jae Eun Lee, **Jung Hye Sung**, Ji-Young Lee, James Perkins. Biomarker Difference between Controlled and Uncontrolled Hypertension among US Adults: National Health and Nutrition Examination Survey 2005-2008. The 82nd European Atherosclerosis Society Congress, Madrid, Spain, May 31 - June 3, 2014
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39. Ji-Young Lee, Jae Eun Lee, **Jung Hye Sung**, Household Composition and Fruits and Vegetables Intake among US Adults: Behavioral Risk factor Surveillance System Data, 13th Annual Conference, Eliminating Health Disparities in Mississippi-Obesity. Jackson, MS, October 23-25, 2013,
40. Angela Manyfield, Jae Eun Lee, **Jung Hye Sung**. Differential Effect of Exercise on Hypertension between Medicated and Non-Medicated African American Males. 10th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 15-18, 2013
41. Chinedu J. Ngwudike, Bayyinah S. Nance, Iruoma G. Emmanuel, Jae Eun Lee **Jung Hye Sung** , The Differences in the Prevalence of Kidney Failure between African Americans and Caucasians in Jackson, Mississippi: A Pilot Study, 10th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 15-18, 2013
42. Danielle Hines , Devin Williams, Jae Eun Lee, **Jung Hye Sung**, Association of Stress-related Hypertension with Negative Behavioral Choices: A Pilot Study. 10th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 15-18, 2013
43. Domonique Hargrave, Georgia Murriel, Alfred Webb, Jae Eun Lee, **Jung Hye Sung** , Does Limited Social Support Affect One's Mood? 10th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 15-18, 2013
44. Jamal Z. Bankhead, Keneatha R. Reynolds, Dominique L. Williams, Jae Eun Lee, and **Jung Hye Sung** , Health Care Seeking Behaviors among African Americans with Hypertension or Diabetes: A Pilot Study. 10th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 15-18, 2013
45. Fereshteh Ghahramani, Manju Gautam, Jae Eun Lee, **Jung Hye Sung** , Healthcare workers' perception on electronic health record system at Jackson healthcare facilities: A Pilot study. 10th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 15-18, 2013
46. Jeffery Turner, Michelle Young, Gladys Mitchell, Jae Eun Lee, **Jung Hye Sung** , Exercise and its Effects on Mood Change, 10th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 15-18, 2013
47. Matilda O. Johnson, Jin Zhang, Jae Eun Lee, **Jung Hye Sung** , Association of Dietary Habits and Physical Activity with Obesity, Hypertension and Type II Diabetes among Adult Women in Mississippi, 10th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 15-18, 2013
48. LuTasha Roberts, Ana-Lisa Jefferson, Chiquita Chanay, Jae Eun Lee, **Jung Hye Sung** , How Do Social Determinants Impact Health? 10th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 15-18, 2013
49. Sonia Holmes, Alicia Gray, Benonica Mann, Jae Eun Lee, **Jung Hye Sung** , Knowledge of the Reproductive Health among African- American Women, 10th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 15-18, 2013
50. Kayla G. Hearn, Ronneccia S. Mackey, LaToya C. Washington , Jae Eun Lee, **Jung Hye Sung** , Relationship between Substance Use and Sexual Risk Behaviors. 10th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 15-18, 2013

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52. Natasha Gilbert, Jae Eun Lee, **Jung Hye Sung**, Women's Intentions to Breastfeed in Mississippi. 10th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 15-18, 2013
53. Shanekia Coleman, Natasha Hawthorne, Jae Eun Lee, **Jung Hye Sung**, Alcohol Consumption to Relieve Stress. 10th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 15-18, 2013
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55. Litia, Sandi, Gray, Jesseca, Jae Eun Lee, **Jung Hye Sung**, Literacy of Secondhand Smoke Exposure among Mississippi Adults. 10th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 15-18, 2013
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59. Vanessa Bland, NaTarsha Lindsey, Aundria Range, Jae Eun Lee, **Jung Hye Sung**, Health Disparities among African-American Women in a Rural Faith-based Organization in Mississippi. 10th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 15-18, 2013
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61. Anthony Mawson, **Jung Hye Sung**, Jae Eun Lee, Xueyan Wang, Brian Ray, Vaccination Status and Health Outcomes among Homeschool Children – Pilot Study, AutismOne / Generation Rescue Conference, Chicago, IL, May 22-26, 2013 (Oral Presentation)
62. Jae Eun Lee, **Jung Hye Sung**, Ji-Young Lee. Evaluating Potential Impact of Modified Eligibility Criteria on Enrollment and Study Results in Cardiovascular Clinical Trials. 34th Annual Meeting of the Society for Clinical Trials. Boston, MA, May 19-22, 2013
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66. Jae Eun Lee, **Jung Hye Sung**, James Perkins, William Ward, Racial Disparity of the Relationship Between Serum Cotinine Concentration and Age: the NHANES 2005-2008, 13th RCMI International Symposium on Health Disparities to convene in San Juan, Puerto Rico. December 10-13, 2012

67. Jae Eun Lee, **Jung Hye Sung**, James Perkins, Edwina E. Barnett, Keith Norris , Social Support and Quality of Life among Adults with Angina Symptoms, 13th RCMI International Symposium on Health Disparities to convene in San Juan, Puerto Rico. December 10-13, 2012
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69. Jae Eun Lee, James Perkins, Daniel Sarpong, **Jung Hye Sung**, Roles of Data Coordinating Center in Data-Sharing Practice, 9th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 16-19, 2012
70. Jae Eun Lee, **Jung Hye Sung**, Ji-Young Lee, Protective Effect of Social Support on Reducing Acculturative Stress Related to Discrimination among Latino and Asian Immigrants: National Latino and Asian American Study. 9th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 16-19, 2012
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73. Jameskia Thompson, Blessing Dennis, **Jung Hye Sung**, Jae Eun Lee, The Dietary Intake and Levels of Physical Activity among College Students, 9th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 16-19, 2012
74. Paulette Ware, Elbony Smith, **Jung Hye Sung**, Jae Eun Lee, Sexually Transmitted Diseases and the Impact on Jackson, Mississippi Adolescents, 9th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 16-19, 2012
75. Elham Momtahan, Anoosh Mokhtarian, **Jung Hye Sung**, Jae Eun Lee, Self Assessment Stress Level Among Jackson State University Students, 9th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 16-19, 2012
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80. Shernica Ferguson, Roderick Houghes, **Jung Hye Sung**, Jae Eun Lee, The Frequency of Aspirin Use in a Stress Related Environment, 9th International Symposium on Recent Advances in Environmental Health Research in Jackson, MS. September 16-19, 2012
81. Tabeth Jiri, **Jung Hye Sung** and Jae Eun Lee, Risk Factors for Marijuana use among Mississippi Adolescents, The 2012 Council of State and Territorial Epidemiologist (CSTE) Annual Conference, Omaha, Nebraska, **June 3 – 7, 2012** (Oral Presentation)
82. Jae Eun Lee, **Jung Hye Sung**, James Perkins, and William B. Ward. *Racial Disparity of the Relationship between Cotinine Concentration and Age: The National Health and Nutrition Examination Survey 2005-2006 and 2007-2008*. 139th APHA Annual Meeting, Washington DC, October 29 - November 2, 2011

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84. Bobby W. Tullos, **Jung Hye Sung**, Jae Eun Lee, Michael H. Criqui, J. Jeffrey Carr, Jiankang Liu, Marc Mitchell, Herman A. Taylor, Ankle-Brachial Index (ABI), Abdominal Aortic Calcification (AAC), and Coronary Artery Calcification (CAC): The Jackson Heart Study. American College of Physicians Annual Scientific Meeting, Pine Mountain, GA, October 28-30, 2011
85. Jae Eun Lee, **Jung Hye Sung**, James Perkins, Purchasing Power and Eating Patterns: Behavioral Risk factor Surveillance System Data between 1994 and 2009. 8th International Symposium on Recent Advances in Environmental Health Research, September 18-21, 2011
86. Jae Eun Lee, **Jung Hye Sung**, James Perkins, The Association of Serum Cotinine as a Measure of Secondhand Smoking with Health-Related Quality of Life among U.S. Nonsmoking Adults: the National Health and Nutrition Examination Survey. 8th International Symposium on Recent Advances in Environmental Health Research, September 18-21, 2011. (Oral presentation)
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90. **Jung Hye Sung**, Bobby Tullos, Jae Eun Lee, Michael H. Criqui, J Jeffrey Carr, Jiankang Liu, Marc Mitchell, Herman Taylor. Ankle-Brachial Index (ABI) and Coronary Artery Calcification (CAC): the Jackson Heart Study. The 3rd North American Congress of Epidemiology, Montreal, Canada, June 21-24, 2011.
91. Jae Eun Lee, K Norris, G Gibbons, James Perkins, M. Edwina Barnett, **Jung Hye Sung**. Evaluating Impact of Modifying Inclusion/Exclusion (I/E) Criteria on Enrollment and Study Goal. 12th RCMI International Symposium on Health Disparities, Nashville, TN. December 6-10, 2010.
92. Jae Eun Lee, Daniel Sarpong, James Perkins, M. Edwina Barnett, M. Theresa Perry, Keyur Talsania, **Jung Hye Sung**. Collaborative Model of Data Sharing among Major Research Entities: Lessons from RCMI Translational Research Network (RTRN) and Jackson Heart Study (JHS), 138th APHA Denver, CO, on Nov. 2010.
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95. Joanne M Murabito, Christina L Wassel, Vijay Nambi, Baylor , Nora Franceschini, Matthew Allison, Santhi Ganesh, Kenneth Mukamal, Shih-Jen Hwang, **Jung Hye Sung**, Reena Mehra, Neil A Zakai, Richard Fabsitz, Kari E North, Mary M McDermott, Michael H Criqui, Emile Mohler, Genetic Determinants of the 44 Ankle-Brachial Index: A Meta-analysis of a Candidate Gene SNP Panel in the CARE Cohorts. 50th AHA Scientific Sessions Joint Conference , San Francisco, CA, March 2-6, 2010 (Oral Presentation)
96. Solomon K Musani, Aurelian Bidulescu, Ramachandran S Vasani, Tandaw E Samdarshi, Harsha S Nagarajarao, **Jung Hye Sung**, Samson Y Gebreab, Michael W Steffes, Thomas J Wang, Herman A Taylor Jr, Ervin R Fox, The Impact of Obesity on Circulating B-Type Natriuretic Peptide Levels in African Americans: The Jackson Heart Study . 50th AHA Scientific Sessions Joint Conference , San Francisco, CA, March 2-6, 2010
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99. **Jung Hye Sung**, Jae Eun Lee, Ervin R. Fox, Tandaw Samdarshi, Khushboo Agrawal, Harsha Nagarajarao, Herman A. Taylor, Jr., The Relation of C-reactive Protein to Aortic Valve Calcification in African Americans: (the Jackson Heart Study): 137th APHA Annual Meeting, Philadelphia, PA, November 7-11, 2009
100. Jiankang Liu; Herman A Taylor; Caroline S Fox; **Jung Hye Sung**; DeMarc Hickson; Daniel Sarpong; Lynette Ekunwe; Warren D May, Pericardial Fat and Cardiovascular Disease Risk Factors: The Jackson Heart Study. AHA Scientific Sessions 2009. Orlando, FL, Nov. 14-18, 2009.
101. Lee Jae Eun, **Jung Hye Sung**, Perry MP, Barnett ME, Perkins, J. Demographic Differences in 15 Year Trends For Obesity Among Mississippi Adults: BRFSS Data Between 1994 and 2008, 9th Annual Conference, Eliminating Health Disparities in Mississippi-Obesity. Jackson, MS, October 8-9, 2009,
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104. Khushboo Agrawal, Herman A. Taylor, Jr., **Jung Hye Sung**, Emelia J. Benjamin, Harsha Nagarajarao, Carolyn Fox, Ervin R. Fox, The Relation of C-reactive protein to the ankle brachial index-defined peripheral arterial disease in African Americans: Jackson Heart Study, 49th AHA Scientific Sessions Joint Conference, Palm Harbor, FL, March 10-14, 2009
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106. Khushboo Agrawal, Herman A. Taylor, Jr., **Jung Hye Sung**, Emelia J. Benjamin, Harsha Nagarajarao, Carolyn Fox, Ervin R. Fox, The Relation of C-reactive protein to the ankle brachial index-defined peripheral arterial disease in African Americans: Jackson Heart Study, Southern Society Clinical Investigations, New Orleans, LA, February 12-14, 2009 (Oral Presentation)
107. Jae Eun Lee, **Jung Hye Sung**, M. Edwina Barnett, James Perkins, M. Theresa Perry. Protective effect of social support on depressive symptom associated with racial discrimination among African American adults: Jackson Heart Study. NIH Summit: The Science of Eliminating Health Disparities, National Harbor, MD. Dec. 16-18 2008 (Oral Presentation)
108. Jae Eun Lee, M. Edwina Barnett, James Perkins, William Ward and **Jung Hye Sung**. Protective effect of social support on alcohol consumption associated with racial discrimination among African American adults: Jackson Heart Study. 11th RCMI International Symposium on Health Disparities, Honolulu, Hawaii. Dec. 1-4, 2008
109. Jae Eun Lee, **Jung Hye Sung**. Disparity of Geographic Access to Ophthalmic Manpower and Its Relationship to Diabetic Retinopathy. 136th APHA Annual Meeting & Exposition, San Diego, CA. Oct. 25-29, 2008 (Oral Presentation)
110. **Jung Hye Sung**, Ervin R. Fox, Jae Eun Lee, Daniel Sarpong, and Herman Taylor. Gender Difference of Risk Factors for Peripheral Arterial Disease in African-American Diabetic Patients: Jackson Heart Study. 136th APHA Annual Meeting & Exposition, San Diego, CA. Oct. 25-29, 2008
111. Jae Eun Lee, Dobrivoje Stokic, **Jung Hye Sung**. Motor and Cognitive Status Exert Non-Linear Effect on Risk for Falls During Inpatient Rehabilitation. 136th APHA Annual Meeting & Exposition, San Diego, CA. Oct. 25-29, 2008
112. Jae Eun Lee, **Jung Hye Sung**. Application of Geographic Information System to Stroke Disparity Study: Mississippi State as an Analytical Unit. 8th Annual Conference Eliminating Health Disparities in Mississippi Stroke and Obesity. Jackson, MS. October 9-10, 2008
113. **Jung Hye Sung**, Jae Eun Lee, Ervin R. Fox, Daniel Sarpong, Ronald Mason, James Maddirala, and Herman Taylor, Sensitivity of Ankle Brachial Index in Predicting Leg Pain Symptoms among African-Americans: Jackson Heart Study. 13th International Pain Clinic Congress, Seoul, Korea, May 29- June 1, 2008

114. **Jung Hye Sung**, Jae Eun Lee, Daniel Sarpong, Patricia Dubbert, Frances Henderson, and Herman Taylor, 17-year Longitudinal changes in Body Weight and Body Mass Index among African-Americans: The Jackson Heart Study/ ARIC Cohort, 48th AHA Cardiovascular Disease Epidemiology and Prevention Conference 2008, Colorado Springs, Colorado, March 13-15, 2008
115. Jiankang Liu, Herman A Taylor Jr, Kenneth Butler, Angela Chandler, Robert Garrison, DeMarc Hickson, **Jung Hye Sung**, Gregory Wilson, Sex-Differential Association of Increased Serum Leptin with History of Coronary Heart Disease and Stroke: Jackson Heart Study, 48th AHA Cardiovascular Disease Epidemiology and Prevention Conference 2008, Colorado Springs, Colorado, March 13-15, 2008,
116. **Jung Hye Sung**, Jae Eun Lee, Patricia Dubbert, Daniel Sarpong, Herman Taylor, Jr., Relationship Between Alcohol Consumption and Metabolic Syndrome Among African-Americans: Jackson Heart Study. 2007 APHA Annual Conference in Washington, DC, Nov. 4-7, 2007
117. Jae Eun Lee, **Jung Hye Sung**, Peter J. Fos, William Ward, Won-Jae Lee, Cultural Differences in Responses to VF-14 among Preoperative Senile Cataract Patients: Application of the Generalized Random Coefficients Rasch Model. 2007 APHA Annual Conference in Washington, DC, Nov. 4-7, 2007
118. Jae Eun Lee, Dobrivoje Stokic, **Jung Hye Sung**. Patterns of Recovery of Functional Independence During Inpatient Rehabilitation Using Latent Class Analysis. 2007 International Society of Physical Rehabilitation and Medicine in Seoul Korea, June 10-14, 2007
119. William Ward, Jae Eun Lee, **Jung Hye Lee**. Identifying Health Disparities Geographically. 2007 SFAA (The Society for Applied Anthropology) Annual Meeting in Tampa, Florida, March 27-31, 2007
120. Todd Smitherman, Patricia Dubbert, William D. Johnson, Barbara Ainsworth, Jared Reis, **Jung Hye Sung**, Karen Grothe, Darla Kendzor, Herman Taylor. Objectively-Measured Physical Activity in the Jackson Heart Study, 2007 Society of Behavioral Medicine Annual Meeting in Washington, DC, March 21-24, 2007
121. Herman Taylor, Jr., Patricia Dubbert, Barbara Ainsworth, William B. Johnson, Todd Smitherman, **Jung Hye Sung**. Physical Activity at Baseline in African Americans of the Jackson Heart Study. 2007 AHA 47th Annual Conference on Cardiovascular Disease Epidemiology and Prevention in association with the Council on Nutrition, Physical Activity, and Metabolism in Orlando, FL, Feb 28 - Mar 3, 2007
122. **Jung Hye Sung**, Peter J. Fos, Brian W. Amy, Won Jae Lee, Jae Eun Lee. Relationship between Ophthalmologic Manpower and Diabetic Retinopathy. 2004 APHA Annual Meeting in Washington D.C., November 6-10, 2004.
123. Peter J. Fos, Jae Eun Lee, **Jung Hye Sung**, Miguel A. Zuniga, Brian W. Amy. Role of Quality Improvement in Disease Management:: A State-Wide Tuberculosis Control Success Story. 2004 APHA Annual Meeting in Washington D.C., November 6-10, 2004.
124. William B. Ward, Jae Eun Lee, John Barrett, Betty J. Hall, **Jung Hye Lee**. Findings from the 1st Decade of the Clearwater Osteoarthritis Study. 2000 APHA Annual Meeting in Boston, Massachusetts, November 12-16, 2000. (Oral presentation)

Research Grants

Grants funded

1. N01HC95170 (Taylor) 07/01/2005 - 05/01/2013
 Source of Fund: NIH/NHLBI
 The Jackson Heart Study Coordinating Center
 The goal of this program is to conduct a prospective, longitudinal, epidemiological study of the risk factors and causes of heart disease in African Americans.
 Role: Biostatistician
2. 5U01AT006239-03 (Samdarshi) 09/30/2010 – 09/29/2015
 Source of Fund: NIH/NCCAM
 Effects of Yoga on CVD Risk Factors among African Americans: Jackson Heart Study

(Effects of Health-Promoting Programs on CVD Risk: Jackson Heart Study)

The goal of this project is to assess the feasibility of recruiting African Americans to participate in several health-promoting programs and to compare health outcomes among three interventions: yoga, walking, and healthy lifestyles education.

Role: Statistician

3. 1 R01 HL104184-01A1 (Fox) 08/09/2011 - 02/29/2016
Source of Fund: NIH/NHLBI
Clinical and Genetic Correlates of Vascular Function in African Americans: JHS
The goal of this study is to assess the clinical and genetic determinants of vascular endothelial function in African Americans. The study will include measures of endothelial function at the level of the microvasculature (digital peripheral arterial tonometry) and both medial and large conduit vessels (using flow-mediated dilatation of the brachial artery and peripheral tonometry of the radial, brachial, carotid, and femoral arteries and aorta). Investigators also will investigate the relation of vascular function to subclinical disease and incident cardiovascular events and hypertension.
Role: Biostatistician
4. U54MD008149 (Norris) 09/01/2012 – 08/31/2017
Source of Fund: NIH/NIMHD
RCMI Translational Research Network Data Coordinating Center; Charles Drew-@JSU RTRN Data Coordinating center (Sub Award)
The goals of this program are to enhance and streamline overall RTRN management and operations ,to engage RCMI investigators and other stakeholders, including the lay community, to strengthen capacity for multi-site clinical and translational research, to enhance the infrastructure for project management, performance monitoring and data analysis, and to enhance the development and adoption of best practices for disseminating research findings to reduce health disparities and improve disease outcomes.
Role: Statistician
5. R01 HL110068-01A1 (Samdarshi, Redline) 06/01/2012 - 05/31/2016
Source of Fund: NIH/NHLBI
Sleep-Disordered Breathing and Risk for CVD and Stroke in the Jackson Heart Study
The proposed study is designed to achieve three specific aims: (1) identify risk factors for sleep-disordered breathing (SDB) and insufficient sleep in African Americans; (2) elucidate relationships between SDB severity, insufficient sleep, and risk for stroke and diabetes; and (3) quantify the extent to which SDB and insufficient sleep may statistically mediate relationships between obesity and traditional CVD risk factors.
Role: Statistician
6. HHSN268201300049C (Payton) 08/31/2013 - 08/31/2018
Source of Fund: NIH/NHLBI
The Graduate Training and Education Center (GTEC) (Contractor) will work collaborately with the other JHS Centers in all relevant aspects of study development and execution. The primary objective of the GTEC shall be to establish a graduate level training program focusing on cardiovascular epidemiology research. The GTEC shall develop and execute a field training instructional program for students to gain hands-on experience in the conduct of large-scale epidemiologic studies.
Role: Instructor
7. Academy (Lee) 05/01/2014- 5/30/2015
Source of Fund: JSU Research and Scholarly Engagement
Protective Effect of Social Support on Reducing Acculturative Stress-Related to Discrimination among Latino and Asian Immigrants: National Latino and Asian American Study
Amount: \$3,000
Role: Principal Investigator
8. 5U50DP003088-05 05/01/2015- 11/30/2015
Title: MS Delta CHES Data Processing and Data File Delivery (Sub-Award, Lee)
Source of Fund: Mississippi State Department of Health
Analyzing the MS Delta Cardiovascular Health Examination Survey data sets, developing a final data report, and creating an informational brochure and fact sheet for dissemination to lays and research audiences
Amount: \$54,000
Role: Principal Investigator
9. U54MD008149 06/01/2015- 06/30/2016
Title: RTRN Small Grant (Sub-Award, Sinha)
Source of Fund: *Research Centers in Minority Institutions*, NIH
Role of inflammation in the progression of diabetic nephropathy among African Americans in the Jackson Heart Study Cohort

Amount: \$50,000
Role: Co- Principal Investigator (Site PI)

10. 5U50DP003088-05 04/14/2016- 08/12/2016
Title: MS Delta CHES Data Book (Sub-Award, Lee)
Source of Fund: Mississippi State Department of Health
Developing MS Delta Cardiovascular Health Examination Survey Data book, brochure, and fact sheet
Amount: \$24,000
Role: Principal Investigator

11. 1UG3OD023183-01 05/14/2017- 07/28/2017
Title: All of Us Health Care Provider Organizations FQHC Pilot. (Sub-Award, Lee)
Source of Fund: Jackson-Hinds Comprehensive Health Center
Developing a program tool to convert eClinicalWorks E.H.R. data for future OMOP requirements for the Data Sprint required tables for the All of Us Health Care Provider Organizations Federally Qualified Health Centers (FQHC) pilot.
Amount: \$25,000
Role: Principal Investigator

12. 1UG3OD023183-01 05/15/2018- 08/08/2018
Title: All of Us Health Care Provider Organizations FQHC Pilot. (Sub-Award, Lee)
Source of Fund: Jackson-Hinds Comprehensive Health Center (JHCHC)
Converting JHCHC's Patient data to NINE Data Sprint required tables of Common Data Model (OMOP-CDM)
Amount: \$45,000
Role: Principal Investigator

13. HHSN26818HV00009R (Payton) 08/31/2018 - 08/31/2023
Source of Fund: NIH/NHLBI
Title: The Graduate Training and Education Center (GTEC) (Contractor)
GTEC will work collaborately with the other JHS Centers in all relevant aspects of study development and execution. The primary objective of the GTEC shall be to establish a graduate level training program focusing on cardiovascular epidemiology research.
Role: Instructor

14. CDC-RFA-OT21-2103 01/01/2022- 12/30/2023
Title: Pennsylvania Health Equity Policy Review Project (Sub-Award, Payton)
Source of Fund: Pennsylvania State Department of Health
A multi-disciplinary collaboration in which Pitt and JSU investigators work closely to accomplish all deliverables for the Health Equity Policy Review Project.
Amount: \$280,000
Role: Investigator

15. MWCCS Pilot Study (Melissa Klamm) 04/01/2024-03/31/2025
Title: *Exploring the Relationship of Movement Dispersion and Sleep Among People with HIV*
Source of Fund: MWCCS UAB/UMMC
MACS/ WIHS Combined Cohort Study (MWCCS).
Amount: \$30,000
Role: Investigator

Grants submitted (not funded)

1. RFA-MD-12-003 (Immergluck)
Source of Fund: NIMHD
Social, Behavioral, Health Services, and Policy Research on Minority Health and Health Disparities (R-01).
Role: Statistician

2. P20-RFA-RR-06-002 (Yamamura)
Centers of Biomedical Research Excellence: Inflammatory immune responses, mental depression and chronicity of diseases
Source of Fund: NIH
Role: Statistician

Awards & Honors

DEC 2018	Received “Excellence of Reviewing” at Journal of Pharmaceutical Research International
MAY 2016	One JSU Excellence Award in the Category of Teaching/Advising, School of Public Health, JSU
MAY 2015	Faculty of the Year- Teaching Awards, College of Public Service, JSU
MAY 2014	Faculty Excellence Awards, College of Public Service, JSU
MAY 2014	Presidential Creative Awards, College of Public Service, JSU
OCT 2013	1 st Place Award of the presentation contest at the 13 th Annual Conference on Eliminating Health Disparities “Translating the Science of Obesity to Healthy You”. Jackson Convention Center, Jackson, Mississippi.
MAY 2013	Faculty of the Year- Research and Scholarship Award, College of Public Service, JSU
MAY 2012	One JSU Excellence Award (Outstanding Professor), College of Public Service, JSU
OCT 2010	1 st Place Award of the presentation contest at the 10 th Annual Conference on Eliminating Health Disparities “Healthy Eating”. Hilton Hotel, Jackson, Mississippi.
NOV 2007	Nominated for Nobuo Madea International Research Award in APHA conference, 2007 APHA Annual Conference in Washington, DC

Language & Additional Skills

- Korean – Proficiency
- Statistical Analytics Software: SAS, SPSS, STATA, MINITAB, GPOWER
- Programming Languages: Python, R
- Database Structured Query Languages server tools: Oracle SQL, MySQL, MS SQL
- Data Visualization tools: Tableau

Professional Memberships

- American Heart Association (AHA)
- American Public Health Association (APHA)
- International Society of Physical and Rehabilitation Medicine (*ISPRM*)
- The American Society for Preventive Cardiology (ASPC)
- Mississippi Partnership for Comprehensive Cancer Control (MP3C)
- Mississippi Public Health Association (MPHA)
- Mississippi Chronic Illness Coalition (MCIC)
- Mississippi Task Force on Heart Disease and Stroke prevention
- The Korean Society of Hypertension (KSH)
- Korean-American Scientists and Engineers Association (KSEA)
- Korea Public Health Association (KPHA)
- Korean Society of Public Health (KSPH)