CURRICULUM VITAE

Katherine T. Mills, PhD, MSPH

Associate Professor (with tenure)

Department of Epidemiology

School of Public Health and Tropical Medicine

Tulane University

**CONTACT INFORMATION**

Office Address Tulane University

Department of Epidemiology

School of Public Health and Tropical Medicine

Tidewater Building, Suite 2001, MB 8318

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New Orleans, LA 70112

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**EDUCATION AND TRAINING**

**Degrees**

Doctoral of Philosophy, Epidemiology, May 2014

Tulane University School of Public Health and Tropical Medicine

New Orleans, Louisiana

Master of Science in Public Health, Epidemiology, December 2008

University of North Carolina, Chapel Hill

Chapel Hill, North Carolina

Bachelor of Arts, Chemistry, May 2003

Colorado College

Colorado Springs, Colorado

**Postdoctoral Training**

July 2015-May 2016 Postdoctoral Research Fellow

NIH/NHLBI T32 Cardiovascular Disease Epidemiology Training Program

Welch Center for Prevention, Epidemiology and Clinical Research

Department of Epidemiology, Johns Hopkins Bloomberg School of Public Health

Baltimore, Maryland

May 2014-July 2015 Postdoctoral Research Fellow

Department of Epidemiology, Tulane University School of Public Health and Tropical Medicine

New Orleans, Louisiana

**Short Courses and Additional Training**

July 2020 Teach Anywhere: Online Teaching Training

Center for Engaged Learning & Teaching, Tulane University

New Orleans, Louisiana

September 2019- Training Institute for Dissemination and Implementation Research in Health 2019

January 2020 Office of Behavioral and Social Sciences Research (NIH)

National Institutes of Health and the U. S. Department of Veterans Affairs

Bethesda, Maryland

April 2018 Using Intervention Mapping to Design Health Promotion Programs

Society of Behavioral Medicine Conference Workshop

New Orleans, Louisiana

August 2017 Health Disparities Research Institute (HDRI)

National Institute on Minority Health and Health Disparities

Bethesda, Maryland

April 2017 Research to Speed Translation: Dissemination and Implementation Theories and Methods (Instructor: Maria Fernandez)

Center for Health Promotion and Prevention Research, University of Texas

Houston, Texas

Summer 2016 Research Data Workshop

Chronic Renal Insufficiency Cohort (CRIC) Study

Bethesda, Maryland

Spring 2015 Renal Physiology

School of Medicine, Tulane University

New Orleans, Louisiana

June 2013 Nutritional Epidemiology

Johns Hopkins Bloomberg School of Public Health

31st Graduate Summer Institute of Epidemiology and Biostatistics

Baltimore, Maryland

June 2013 Longitudinal Data Analysis

Johns Hopkins Bloomberg School of Public Health

31st Graduate Summer Institute of Epidemiology and Biostatistics

Baltimore, Maryland

Spring 2013 Human Physiology

School of Medicine, Tulane University

New Orleans, Louisiana

**POSITIONS**

2021- Associate Professor (with tenure)

Department of Epidemiology

School of Public Health and Tropical Medicine, Tulane University

New Orleans, Louisiana

2021- Adjunct Assistant Professor

Department of Neurology

School of Medicine, Tulane University

New Orleans, Louisiana

2016-2021 Assistant Professor

Department of Epidemiology

School of Public Health and Tropical Medicine, Tulane University

New Orleans, Louisiana

2015-2016 Postdoctoral Research Fellow

Department of Epidemiology

Bloomberg School of Public Health, Johns Hopkins University

Baltimore, Maryland

2015-2016 Research Scientist

Department of Epidemiology

School of Public Health and Tropical Medicine, Tulane University

New Orleans, Louisiana

2014-2015 Postdoctoral Research Fellow

Department of Epidemiology

School of Public Health and Tropical Medicine, Tulane University

New Orleans, Louisiana

2010-2014 Research Fellow

Department of Epidemiology

School of Public Health and Tropical Medicine, Tulane University

New Orleans, Louisiana

2009-2010 Obesity Epidemiologist

Georgia Department of Community Health

Atlanta, Georgia

2006-2008 Research Assistant

Department of Epidemiology

Gillings School of Global Public Health, University of North Carolina

Chapel Hill, North Carolina

2007 Research Intern

National Institute of Environmental Health Sciences

National Institutes of Health

Research Triangle Park, North Carolina

2004-2006 Assistant Scientist

Pesticide Action Network North America

San Francisco, California

**HONORS AND AWARDS**

2020 Outstanding Achievement in Receiving Your First R01 Award, Faculty Research Synergy Event, Tulane University

2018 Young Investigator Travel Award, NIH, NIGMS Seventh Biennial National IdeA Symposium of Biomedical Research Excellence (NISBRE), Washington DC

2017 Sandra A. Daugherty Award for Excellence in Cardiovascular Disease for Hypertension Epidemiology, American Heart Association Council on Epidemiology and Prevention, AHA EPI|Lifestyle 2017 Scientific Sessions, Portland, Oregon

2017 Faculty Inductee, Delta Omega Honorary Society in Public Health, Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana

2016 Award for Excellence in Research and Presentation by a Postdoctoral Fellow, Health Sciences Research Days, Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana

2014 Dorothy R. LeBlanc Memorial Scholarship Award, Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana

2013 Eta Chapter Delta Omega 1st Place Poster Contest Award, Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana

2010-2012 Dean’s Research Council Scholarship, Tulane University School of Public Health and Tropical Medicine, New Orleans, Louisiana

1999-2003 National Merit Scholarship, Colorado College, Colorado Springs, Colorado

1999-2003 Colorado College Otis A. Barnes Scholarship in Chemistry, Colorado College, Colorado Springs, Colorado

**TEACHING EXPERIENCE**

Course Director Implementation Science in Health (EPID 6350), (Tulane University School of Public Health and Tropical Medicine, Fall 2020)

Epidemiology for Public Health (SPHL 6060), (Tulane University School of Public Health and Tropical Medicine, Spring and Fall 2019)

Epidemiologic Methods I (EPID 6030),(Tulane University School of Public Health and Tropical Medicine, Fall 2017)

Lecturer Advanced Epidemiologic Methods, “Introduction to Implementation Science” (Tulane University School of Public Health and Tropical Medicine, Spring 2021)

Epidemiology of Health Disparities, “Health Disparities and Hypertension” (Tulane University School of Public Health and Tropical Medicine, Spring 2021)

Clinical Trials, “Data Collection and Quality Control” (Tulane University School of Public Health and Tropical Medicine, Fall 2014 – 2016, Spring 2018 – 2021)

Clinical Trials, “Study Population and Recruitment” (Tulane University School of Public Health and Tropical Medicine, Fall 2016, Spring 2018 – 2021)

Cardiovascular Disease Epidemiology, “Blood Pressure-Lowering Clinical Trials” (Tulane University School of Public Health and Tropical Medicine, Spring 2019)

Foundations of Epidemiology, “Global Burden of Hypertension and Strategies for Blood Pressure Control” (Tulane University School of Public Health and Tropical Medicine, Spring 2018)

Teaching Assistant Clinical Trials (Tulane University School of Public Health and Tropical Medicine, Instructor: Jiang He, 2014)

Cardiovascular Disease Epidemiology (Tulane University School of Public Health and Tropical Medicine, Instructor: Paul Whelton, 2013)

Epidemiologic Methods 1 (Tulane University School of Public Health and Tropical Medicine, Instructor: Hirut Gebrekirstos, 2012)

Epidemiologic Methods 1 (Tulane University School of Public Health and Tropical Medicine, Instructor: Susan Straif-Bourgeois, 2011, 2012)

Observational Epidemiology (Tulane University School of Public Health and Tropical Medicine, Instructor: Emily Harville, 2011)

**PROFESSIONAL MEMBERSHIPS**

2007- Member, Council on Epidemiology and Prevention, American Heart Association

2017- Member, Council on Lifestyle and Cardiometabolic Health, American Heart Association

2020- Member, Society for Implementation Research Collaboration

**NATIONAL COMMITTEES**

2020- Member, Writing Group on “Leveraging implementation science to reduce cardiovascular disease inequity: A scientific statement from the American Heart Association”, American Heart Association.

2015 Member and Presenter, Working Group on “Research Needs to Improve Hypertension Treatment and Control in African Americans”, National Heart, Lung, and Blood Institute, National Institutes of Health, October 26-27, 2015, Bethesda, MD.

**JOURNAL REVIEWS**

The Lancet

New England Journal of Medicine

Journal of the American Medical Association (JAMA)

Annals of Internal Medicine

JAMA Cardiology

Epidemiology

Journal of the American Society of Nephrology (JASN)

Kidney International Reports

Atherosclerosis

BMC Family Practice

BMC Health Services Research

European Journal of Epidemiology

Journal of the American Society of Hypertension (JASH)  
Kidney and Blood Pressure Research

PLOS One

International Journal of Environmental Research and Public Health

International Journal of Health Policy and Management

Journal of Multidisciplinary Healthcare

The Ochsner Journal

**NIH STUDY SECTIONS**

2021 Reviewer, K43 Fogarty Global Emerging Leader Award Special Emphasis Panel/Scientific Review Group, International and Cooperative Projects (ICP1) Study Section

2019 Reviewer, NHLBI (NIH) Special Emphasis Panel, Rare Disease Cohorts in Heart, Lung, Blood and Sleep Disorders

**SERVICE**

2021- Epidemiology Department Representative, Faculty IRB Advisory Committee, Tulane University

2021 Member, Life ScienceeClinical Platform Steering Committee, Tulane University

2021 Member, Selection Committee, Dean’s Leadership and Service Awards School of Public Health and Tropical Medicine, Tulane University

2020-2021 Member, Search Committee, Chair, Department of Social, Behavior, and Population Health, School of Public Health and Tropical Medicine, Tulane University

2020- Member, Training and Development Subcommittee, Anti-racism Taskforce, School of Public Health and Tropical Medicine, Tulane University

2020- Epidemiology Department Representative, Delta Omega, Tulane University

2020-2021 Immediate Past President, Delta Omega, Tulane University

2019-2020 President, Delta Omega, Tulane University

2019 Graduation Marshall, School of Public Health and Tropical Medicine, Tulane University

2018-2019 Secretary, General Faculty, School of Public Health and Tropical Medicine, Tulane University

2018-2019 Vice President, Delta Omega, Tulane University

2017-2020 Judge, Health Science Research Days, Tulane University

2017-2018 Secretary, Delta Omega, Tulane University

2017-2019 Member, Faculty Nominating Committee, Tulane University

2017-2018 Alternate Member, Grievance Committee, Tulane University

2013-2018 Coordinator, Translational Sciences Seminar and Journal Club, Department of Epidemiology, Tulane University

**ADVISING/MENTORING**

**Dissertation Committee Chair**

Andrei Stefanescu, MS, Tulane University School of Public Health and Tropical Medicine

“Clinical Consequences of Abnormal Serum Potassium in Individuals with Chronic Kidney Disease:the CRIC Study”(Graduated, May 2021)

**Dissertation Committee Member**

Benjamin D. Pollock, MSPH, Tulane University School of Public Health and Tropical Medicine

“Cardiovascular Risk Mobility: a Novel Application of Economic Theory to Characterize Life Course Cardiovascular Risk” (Graduated, August 2017)

Joshua D. Bundy, MPH, Tulane University School of Public Health and Tropical Medicine

“Risk Factors for Cardiovascular Disease and Progression of Chronic Kidney Disease in CRIC Study Patients” (Graduated, August 2017)

Kieran J. Maroney, MPH, Tulane University School of Public Health and Tropical Medicine

“Factors Contributing to the Success of a Multicomponent Intervention for Blood Pressure Control in Argentina: a Mediation Analysis” (Expected graduation, May 2024)

**Master’s Student Advisor (with theses)**

Meng Pan, 2020, “Who Benefits the Most from a Community Health Worker-Led Multicomponent Intervention for Hypertension? Secondary Analysis of the Hypertension Control Program in Argentina”

Zhijie Huang, 2020, “Multilevel Mediation Analysis of a Multicomponent Intervention on Blood Pressure Control in Low-Income Patients in Argentina”

**Master’s Student Advisor (without theses)**

Graduation Date

2019 Victoria Meiklejohn

2019 Ye Wang

2019 Christina Zurbuchen

2019 Jack Healy

2020 Nicholas Lee

2020 Richard Li

2020 Briana Sanders

2021 Nayanadarshi Jeevanthi De Silva

2021 Tara Ivic-Pavlicic

2021 (expected) Jasmine Wallace

2022 (expected) Tamara Hammerman

2022 (expected) Jenisha Stapleton

2022 (expected) Skyler Haber

2022 (expected) Priya Bhandari

**Master’s Student Practicum Preceptor**

Sarah Hermans, 2020, “Mental Health and Social Determinants of Health in an Underserved, Primary Care Patient Population following COVID-19”, DePaul Community Health Centers

Bridget Dixon, 2020, “Mental Health and Social Determinants of Health in an Underserved, Primary Care Patient Population following COVID-19”, DePaul Community Health Centers

Naomi Lahiri, 2021, “Mental Health and Social Determinants of Health in an Underserved, Primary Care Patient Population following COVID-19”, DePaul Community Health Centers

Jodie Laurent, 2020, “Health Disparities and Access to Care in the New Orleans African American Community”

Andreas Huang, 2021, “Mental Health and Social Determinants of Health in an Underserved, Primary Care Patient Population following COVID-19: Stress, Anxiety, and Depression”, DePaul Community Health Centers

Imani Davis, 2021, “Mental Health and Social Determinants of Health in an Underserved, Primary Care Patient Population following COVID-19: Disaster-related Economic Insecurity”, DePaul Community Health Centers

Alexander Entner, 2021, “Mental Health and Social Determinants of Health in an Underserved, Primary Care Patient Population following COVID-19: Chronic Comoribidities and COVID-19”, DePaul Community Health Centers

Margaret O’Donnell, 2021, “Mental Health and Social Determinants of Health in an Underserved, Primary Care Patient Population following COVID-19: Disaster-related Violence and Safety”, DePaul Community Health Centers

Samuel Eggers, 2021, “Mental Health and Social Determinants of Health in an Underserved, Primary Care Patient Population following COVID-19”, DePaul Community Health Centers

Nathanael Eaves, 2021, “Mental Health and Social Determinants of Health in an Underserved, Primary Care Patient Population following COVID-19: COVID-19 Racial Disparities”, DePaul Community Health Centers

**PUBLICATIONS**

**Impact Factor**

Citations: 5,549

h-index: 26

i10-index: 35

**Peer-reviewed Publications**

1. **Mills KT**, Blair A, Sandler DP, Beane Freeman LE, Hoppin JA. Pesticides and myocardial infarction incidence and mortality among male pesticide applicators in the Agricultural Health Study. Am J Epidemiol 2009;170:892-900. PMID: 19700503
2. Avery CL, **Mills KT**, Williams R, McGraw KA, Poole C, Smith RL, Whitsel EA. Estimating error in using ambient PM2.5 concentrations as proxies for personal exposures: a review. Epidemiology 2010;21:215-23.
3. Avery CL, **Mills KT**, Williams R, McGraw KA, Poole C, Smith RL, Whitsel EA. Estimating error in using residential outdoor PM2.5 concentrations as proxies for personal exposures: a meta-analysis. Environ Health Perspect 2010;118:673-8. PMCID: PMC2866684
4. Avery CL, **Mills KT**, Chambless LE, Chang PP, Folsom AR, Mosley TH, Ni H, Rosamond WD, Wagenknecht L, Wood J, Heiss G. Long-term association between self-reported signs and symptoms and heart failure hospitalizations: the Atherosclerosis Risk in Communities (ARIC) Study. Eur J Heart Fail 2010;12:232-8.PMCID: PMC2821798
5. Bellows CF, **Mills KT**, Kelly TN, Gagliardi G. Combination of oral non-absorbable and intravenous antibiotics versus intravenous antibiotics alone in the prevention of surgical site infections after colorectal surgery : a meta-analysis of randomized controlled trials. Tech Coloproctol 2011;15:385-95.
6. **Mills KT**, Kobori H, Hamm LL, Alper AB, Khan IE, Rahman M, Navar LG, Liu Y, Browne GM, Batuman V, He J, Chen J. Increased urinary excretion of angiotensinogen is associated with risk of chronic kidney disease. Nephrol Dial Transplant 2012;27:3176-81. PMCID: PMC3408937
7. Chen J, Hamm LL, Kleinpeter MA, Husserl F, Khan IE, Chen CS, Liu Y, **Mills KT**, He C, Rifai N, Simon EE, He J. Elevated plasma levels of endostatin are associated with chronic kidney disease. Am J Nephrol 2012;35:335-340. PMCID: PMC3362190
8. Rebholz CM, Wu T, Hamm LL, Arora R, Khan IE, Lui Y, Chen CS, **Mills KT**, Rogers S, Kleinpeter MA, Simon EE, Chen J. The association of plasm fluorescent oxidation products and chronic kidney disease: a case-control study. Am J Nephrol 2012;36:297-304. PMCID: PMC3557790
9. Hu T, **Mills KT**, Yao L, Demanelis K, Eloustaz M, Yancy WS Jr, Kelly TN, He J, Bazzano LA. Effects of low-carbohydrate diets versus low-fat diets on metabolic risk factors : a meta-analysis of randomized controlled clinical trials. Am J Epidemiol 2012;176 Suppl 7:S44-54. PMCID: PMC3530364
10. Mei H, Chen W, **Mills K**, He J, Srinivasan SR, Schork N, Murray S, Berenson GS. Influences of FTO gene on onset age of adult overweight. Hum Genet 2012;131:1851-9.
11. Zhang R, Laguardia H, Paramesh A, **Mills K**, Killackey M, McGee J, Alper B, Simon E, Lee Hamm L, Slakey D. Early inhibition of the renin-angiotensin system improves the long-term graft survival of single pediatric donor kidneys transplanted in adult recipients. Transpl Int 2013;26:601-7.
12. Zhang M, Zhao Q, **Mills KT**, Chen J, Li J, Cau L, Gu D, He J. Factors associated with blood pressure response to the cold pressor test : the GenSalt Study. Am J Hypertens 2013;26:1132-9. PMCID: PMC3741226
13. Gu D, Zhao Q, Chen J, Chen JC, Huang J, Bazzano LA, Lu F, Mu J, Li J, Cao J, **Mills K**, Chen CS, Rice T, Hamm LL, He J. Reproducibility of blood pressure responses to dietary sodium and potassium interventions: the GenSalt Study. Hypertension 2013;62:499-505. PMCID: PMC4364515
14. **Mills KT**, Hamm LL, Alper AB, Miller C, Hudaihed A, Balamuthusamy S, Chen CS, Liu Y, Tarsia J, Rifai N, Kleinpeter M, He J, Chen J. Circulating adipocytokines and chronic kidney disease. PLoS ONE 2013;8:e76902. PMCID: PMC3792047
15. Zhao Q, Gu D, Chen J, Li J, Cao J, Lu F, Guo D, Wang R, Shen J, Chen J, Chen CS, **Mills KT**, Schwander K, Rao DC, He J. Blood pressure responses to dietary sodium and potassium interventions and the cold pressor test : the GenSalt Replication Study in rural north China. Am J Hypertens 2013;27:72-80. PMCID: PMC3848630
16. **Mills KT**, Bellows CF, Hoffman AE, Kelly TN, Gagliardi G. Diabetes mellitus and colorectal cancer prognosis: a meta-analysis. Dis Colon Rectum 2013;56:1304-19. PMCID: PMC3800045
17. Zhao Q, Xiao J, He J, Zhang X, Hong J, Kong X, **Mills KT**, Weng J, Jia W, Yang W. Cross-sectional and longitudinal replication analyses of genome-wide association loci of type 2 diabetes in Han Chinese. PLoS One 2014;9:e91790. PMCID: PMC3956742
18. **Mills KT**, Rubinstein A, Irazola V, Chen J, Beraterrechea A, Poggio R, Dolan J, Augustovski F, Shi L, Krousel-Wood M, Bazzano LA, He J. Comprehensive approach for hypertension control in low-income populations: rationale and study design for the Hypertension Control Program in Argentina. Am J Med Sci 2014;348:139-45. PMCID: PMC4108545
19. Chen J, Hamm LL, Mohler ER, Hudaihed A, Arora R, Chen CS, Liu Y, Browne G, **Mills KT**, Kleinpeter MA, Simon EE, Rifai N, Klag MJ, He J. Interrationship of Multiple Endothelial Dysfunction Biomarkers with Chronic Kidney Disease. PLoS One 2015;10:e0132047. PMCID: PMC4488859
20. **Mills KT**, Xu Y, Zhang W, Bundy JD, Chen CS, Kelly TN, Chen J, He J. A systematic analysis of worldwide population-based data on the global burden of chronic kidney disease in 2010. Kidney Int 2015; 88(5):950-7. PMCID: PMC4653075
21. He J, **Mills KT**, Appel LJ, Yang W, Chen J, Lee BL, Rosas SE, Porter A, Makos G, Weir MR, Hamm LL, Kusek JW. Urinary sodium and potassium excretion and risk of chronic kidney disease progression and death. JASN 2016; 27:1202-12. PMCID: PMC4814179
22. **Mills KT**, Chen J, Yang W, Appel L, Kusek J, Alper A, Delafontaine P, Keane M, Mohler E, Ojo A, Rahman M, Ricardo AC, Soliman EZ, Steigerwalt S, Townsend RR, He J. Sodium excretion and the risk of cardiovascular disease in persons with chronic kidney disease. JAMA 2016; 315:2200-10. PMCID: PMC5087595
23. Doleman B, **Mills KT**, Lim S, Zelhart MD, Gagliardi G. Body mass index and colorectal cancer prognosis: a systematic review and meta-analysis. Tech Coloproctol 2016; 20(8):517-35.
24. **Mills KT**, Bundy JD, Kelly TN, Reed JE, Kearney PM, Reynolds K, Chen J, He J. Global disparities of hypertension prevalence and control: a systematic analysis of population-based studies from 90 countries. Circulation 2016; 134:441-450. PMCID: PMC4979614
25. Whelton PK, Einhorn PT, Muntner P, Appel LJ, Cushman WC, Diez Roux AV, Ferdinand KC, Rahman M, Taylor HA, Ard J, Arnett DK, Carter BL, Davis BR, Freedman BI, Cooper LA, Cooper R, Desvigne-Nickens P, Gavini N, Go AS, Hyman DJ, Kimmel PL, Margolis KL, Miller ER III, **Mills KT**, Mensah GA, Navar AM, Ogedegbe G, Rakotz MK, Thomas G, Tobin JN, Wright JT, Yoon SS, Cutler JA; for the National Heart, Lung, and Blood Institute Working Group on Research Needs to Improve Hypertension Treatment and Control in African Americans. Research Needs to Improve Hypertension Treatment and Control in African Americans. Hypertension 2016; 68:1066-1072. PMCID: PMC5063700
26. Bundy JD, Li C, Stuchlik P, Bu X, Kelly TN, **Mills KT**, He H, Chen J, Whelton PK, He J. Systolic blood pressure reduction and risk of cardiovascular disease and mortality: a systematic review and meta-analysis. JAMA Cardiol 2017; 2:775-781.
27. He J, Irazola V, **Mills KT**, Poggio R, Beratarrechea A, Dolan J, Chen C-S, Gibbons L, Krousel-Wood M, Bazzano LA, Nejamis A, Gulayin P, Santero M, Augustovski F, Chen J, Rubinstein A, for HCPIA Investigators. Effect of a community health worker-led multicomponent intervention on blood pressure control in low-income patients in Argentina: a randomized clinical trial. JAMA 2017; 318:1016-1025.
28. **Mills KT,** Obst KM, Shen W, Molina S, Zhang H-Z, He H, Cooper LA, He J. Comparative Effectiveness of Implementation Strategies for Blood Pressure Control in Hypertensive Patients: A Systematic Review and Meta-analysis. Annals of Intern Med 2018;168:110-120.
29. Pollock BD, Harville EW, **Mills KT**, Tang W, Chen W, Bazzano LA. Cardiovascular Risk and the American Dream: Life Course Observations for the BHS (Bogalusa Heart Study). J Am Heart Assoc 2018;7:e007693.
30. Bundy JD, Bazzano L, Xie D, Cohan J, Dolata J, Fink JC, Hsu C-Y, Jamerson K, Lash J, Makos G, Steigerwalt S, Wang X, **Mills KT**, Chen J, He J. Self-reported Tobacco, Alcohol, and Illicit Drug Use and Progression of Chronic Kidney Disease. Clin J Am Soc Nephrol 2018;13:993-1001.
31. Dorans KS, **Mills KT**, Liu Y, He J. Trends in Prevalence and Control of Hypertension According to the 2017 ACC/AHA Guideline. J Am Heart Assoc 2018 Jun 1;7. pii: e008888. doi: 10.1161/JAHA.118.008888.
32. Bundy JD\*, **Mills KT\***, Chen J, Li Changwei, Greenland P, He J. Estimating the Association of the 2017 and 2014 Hypertension Guidelines with Cardiovascular Events and Deaths in US Adults: an Analysis of National Data. JAMA Cardiol. 2018;3:572-581.

\*contributed equally

1. Augustovski, F, Beratarrechea A, Chaparro M, He J, Irazola V, **Mills K**, Shi L, Palacios A, Pichon Riviere A, Rubinstein A. Cost-effectiveness of a Comprehensive Approach for Hypertension Control in Low-Income settings in Argentina: Trial-Based analysis of the Hypertension Control Program in Argentina. Value in Health 2018;21:1357-1364.
2. Krousel-Wood M, Peacock E, Joyce C, Li S, Frohlich ED, Re RN, **Mills KT**, Chen J, Stefanescu A, Whelton PK, Tajeu GS, Kronish IM, Muntner P. A hybrid 4-item medication adherence scale (K-Wood-MAS-4) predicts cardiovascular events in older hypertensive adults. J Hypertens 2019;37:851-859.
3. Pollock BD, Stuchlik P, Harville EW, **Mills KT**, Tang W, Chen W, Bazzano LA. Life course trajectories of cardiovascular risk: Impact on atherosclerotic and metabolic indicators. Atherosclerosis 2019;280:21-27.
4. Bundy JD, **Mills KT**, He J.Comparison of the 2017 ACC/AHA Hypertension Guideline with Earlier Guidelines on Estimated Reductions in Cardiovascular Disease. Curr Hypertens Rep. 2019;21:76.
5. Poggio R, Melendi SE, Beraterrechea A, Gibbons L, **Mills KT**, Chen CS, Nejamis S, Gulayin P, Santero M, Chen J, Rubinstein A, He J, Irazola V. Cluster randomized trial for hypertension control: effect on lifestyles and body weight. Am J Prev Med 2019;57:438-446.
6. **Mills KT**, Stefanescu A, He J.The global epidemiology of hypertension. Nat Rev Nephrol 2020;16:223-237.
7. Hu EA, Anderson CAM, Crews DC, **Mills KT**, He J, Shou H, Taliercio JJ, Mohanty MJ, Bhat Z, Coresh J, Appel LJ, Rebholz CM. A healthy beverage score and risk of chronic kidney disease progression, incident cardiovascular disease, and all-cause mortality in the Chronic Renal Insufficiency Cohort. Curr Dev Nutr. 2020;4:nzaa088.
8. **Mills KT**, Peacock E, Chen J, Zimmerman A, Brooks K, He H, Cyprian A, Davis G, Fuqua SR, Greer A, Gray-Winfrey L, Williams S, Wiltz GM, Winfrey KL, Whelton PK, Krousel-Wood M, He J. Implementation of multifaceted patient-centered treatment strategies for intensive blood pressure control (IMPACTS): rationale and design of a cluster-randomized trial. Am Heart J 2020 Aug 19; S0002-8703(20)30239-8.
9. Hu EA, Coresh J, Anderson CAM, Appel LJ, Grams ME, Crews DC, **Mills KT**, He J, Scialla J, Rahman M, Navaneethan SD, Lash JP, Ricardo AC, Feldman HI, Weir MR, Shou H, Rebholz CM, on behalf of the CRIC Study Investigators. Adherence to healthy dietary patterns and risk of CKD progression and all-cause mortality: Findings from the CRIC study. Am J Kidney Dis2021; 77:235-244.
10. **Mills KT**, Peacock E, Chen J, Zimmerman A, He H, Cyprian A, Davis G, Fuqua SR, Gilliam DS, Greer A, Gray-Winfrey L, Williams S, Wiltz GM, Winfrey KL, Whelton PK, Krousel-Wood M, He J. Experiences and Beliefs of Low-Income Patients with Hypertension in Louisiana and Mississippi during the COVID-19 Pandemic. J Am Heart Assoc 2021;10:e018510.
11. Dorans KS, Bazzano LA, Qi L, He H, Appel LJ, Samet JM, Chen J, **Mills KT**, Nguyen BT, O’Brien MJ, Uwaifo GI, He J. Low-carbohydrate dietary pattern on glycemic outcomes trial (ADEPT) among individuals with elevated hemoglobin A1c: study protocol for a randomized controlled trial. Trials 2021;22:108.
12. Cho ME, Sweeney C, Fino N, Greene T, Rankumar N, Huang Y, Ricardo AC, Shafi T, Deo R, Anderson A, **Mills KT**, Cheung AK, and the CRIC Study Investigators. Cross-sectional and longitudinal characterization of plasma prorenin and renin concentrations in the Chronic Renal Insufficiency Cohort (CRIC). American Journal of Nephrology 2021;52:141-151.
13. Srivastava A, Cai X, Lee J, Chu DI, **Mills KT**, Shafi T, Taliercio JJ, Hsu JY, Schrauben SJ, Saunders MR, Diamantidis CJ, Hsu CY, Waikar SS, Lash JP, Isakova T, and the CRIC Study Investigators. Hospitalization trajectories and risks of end-stage kidney disease and death in individuals with chronic kidney disease. Kidney Int Rep 2021;6:1592-1602.
14. Zhang Y, Yin L, **Mills K**, Chen J, He J, Palacios A, Pichon Rivierie A, Irazola V, Augustovski F, Shi L. Cost-effectiveness of a Multicomponent Intervention for Hypertension Control in Low-Income Settings in Argentina. JAMA Network Open 2021;4:e2122559.
15. Hsu C-Y, Yang W, Parikh RV, Anderson AH, Chen TK, Cohen DL, He J, Mohanty MJ, Lash JP, **Mills KT**, Muiru AN, Parsa A, Saunders MR, Shafi T, Townsend RR, Waikar SS, Wang J, Wolf M, Tan TC, Feldman HI, Go AS. Race, Genetic Ancestry, and Estimating Kidney Function in CKD. N Engl J Med 2021. [online ahead of print]
16. Bundy J, **Mills KT**, Anderson AH, Yang W, Chen J, He J. Comparison of Estimated Glomerular Filtration Rate with and without Race Adjustment on Prediction of End-Stage Renal Disease: the CRIC Study. Annal Intern Med [revisions requested]
17. Zhu Z, Bundy JD, **Mills KT**, Bazzano LA, Kelly TN, Zhang Y, Chen J, He J. Secular Trends in Cardiovascular Health in US Adults (from NHANES 2007-2018). Am J Cardiol 2021;159:121-128.

**Letters**

1. **Mills K**, He J. Sodium excretion, cardiovascular disease, and chronic kidney disease. JAMA 2016; 316:112-3.

**Doctoral Dissertation**

**Mills KT**.Sodium and Potassium Excretion and Renal and Cardiovascular Outcomes in Patients with Chronic Kidney Disease: the CRIC Study. School of Public Health and Tropical Medicine, Tulane University. Doctor of Philosophy, 2014.

**Abstracts and Presentations**

1. **Mills KT**, Anthony JA, Chambless LE, Coresh J, Folsom AR, Heiss G, Irving SH, Mosley TH, Ni H, Rosamond WD, Wagenknecht L, Wood JL. Long-Term Prediction of Heart Failure Hospitalization: The Atherosclerosis Risk in Communities Study. Presented at the 48th Annual Conference on Cardiovascular Disease Epidemiology and Prevention, American Heart Association, March 13-15, 2008, Colorado Springs, Colorado. Circulation 2008; 117: e198 – e291 [abstract P319].
2. **Mills KT**, Blair A, Sandler DP, Hoppin JA. Pesticides and Myocardial Infarction Incidence and Mortality among Male Pesticide Applicators in the Agricultural Health Study. Oral presentation in the NHLBI Trainee Session at the 48th Annual Conference on Cardiovascular Disease Epidemiology and Prevention, American Heart Association, March 12, 2008, Colorado Springs, Colorado. Circulation 2008; 117: e198 – e291 [abstract P205].
3. Allshouse WB, Hall DJ, **Mills KT**, Wing S, Serre ML. Spatiotemporal Exposure Assessment of Atmospheric Hydrogen Sulfide Produced by Industrial Hog Operations. Presented at the International Society of Environmental Epidemiology 20th Annual Conference, Pasadena, CA, October 12-16, 2008. Epidemiology 2008; 19 Suppl: S13-S379 [abstract ISEE-1229].
4. Avery CL, **Mills KT**, McGraw K, Smith RL, Poole C, Whitsel EA. Estimating error in using ambient PM\_2.5 concentrations as proxies for personal exposures: a meta-analysis. Presented at the International Society of Environmental Epidemiology 20th Annual Conference, Pasadena, CA, October 12-16, 2008. Epidemiology 2008; 19 Suppl: S13-S379 [abstract ISEE-1012].
5. **Mills KT**, Anthony JA, Chambless LE, Coresh J, Folsom AR, Heiss G, Mosley TH, Ni H, Rosamond WD, Wagenknecht L, Wood JL. Prediction of Heart Failure Hospitalization from Self-Reported Signs and Symptoms: The Atherosclerosis Risk in Communities Study. Presented at the 49th Cardiovascular Disease Epidemiology and Prevention Annual Conference, American Heart Association, March 10-14, 2009, Palm Harbor, FL. Circulation 2009; 119: e271 – e366 [abstract P355].
6. **Mills KT**, Bagchi S. The Association between Body Mass Index and Health-Related Quality of Life: Findings from the 2005-2008 Georgia Behavioral Risk Factor Surveillance System. Oral presentation at the Centers for Disease Control and Prevention’s **27th Annual Behavioral Risk Factor Surveillance System (BRFSS) Conference, March 23, 2010, San Diego, CA.**
7. **Mills KT**, Kobori H, Hamm LL, Alper AB, Khan IE, Rahman M, Kleinpeter M, Navar LG, Browne G, Chen CS, Liu Y, Xu JH, Jalandhara NB, Chouhan KK, Batuman V, He J, Chen J. Urinary Angiotensinogen and Risk of Chronic Kidney Disease (CKD). Presented at the American Society of Nephrology Kidney Week 2011, November 8-13, 2011, Philadelphia, PA. J Am Soc Nephrol 22, 2011: 688A.
8. Chen J, Hamm LL, Kleinpeter MA, Husserl FE, Khan IE, Teran F, Browne G, Chen CS, Liu Y, **Mills KT**, Lustigova E, Xu JH, Rogers SE, Tarsia J, Shah KR, He C, Alper AB, Simon EE, He J. Abnormal Nitric Oxide Metabolism, Prothrombic State, Impaired Angiogenesis and Risk of Chronic Kidney Disease. Presented at the American Society of Nephrology Kidney Week 2011, November 8-13, 2011, Philadelphia, PA. J Am Soc Nephrol 22, 2011: 695A.
9. Chen J,Wu T, Hamm LL, Khan IE, Alper AB, Browne G, Chen CS, Liu Y, **Mills KT**, He C, Rahman M, Rogers SE, Tarsia J, Shah KR, Simon EE, Kleinpeter MA, He J. Plasma Fluorescent Oxidation Products and Risk of Chronic Kidney Disease. Presented at the American Society of Nephrology Kidney Week 2011, November 8-13, 2011, Philadelphia, PA. J Am Soc Nephrol 22, 2011: 875A.
10. **Mills KT**, Hamm LL, Alper B, Miller C, HudaihedA, BalamuthusamyS, ChenCS, LiuY, TarsiaJ, RifaiN, KleinpeterM, Chen J. Circulating Adipocytokines and Risk of Chronic Kidney Disease. Presented at the Cardiovascular Disease Epidemiology and Prevention and Nutrition, Physical Activity and Metabolism Conference 2012, American Heart Association, March 13-16, 2012, San Diego, CA. Circulation 2012; 125 [abstract P102].
11. Hu T, **Mills KT**, Yao L, Demanelis K, Eloustaz M, Kelly T, He J, Bazzano L. Effect of Low Carbohydrate Diets versus Low Fat Diets on Cardiovascular Risk Factors: A Meta-Analysis of Randomized Controlled Trials. Presented at the Cardiovascular Disease Epidemiology and Prevention and Nutrition, Physical Activity and Metabolism Conference 2012, American Heart Association, March 13-16, 2012, San Diego, CA. Circulation 2012; 125 [abstract MP060].
12. **Mills KT**, Chen J, Townsend RR, Alper B, LaGuardia HA, Lustigova E, Waight MT, Chen CS, Liu Y, Kleinpeter M, Hamm LL, He J. Arterial Stiffness and Chronic Kidney Disease. Presented at the Cardiovascular Disease Epidemiology and Prevention and Nutrition, Physical Activity and Metabolism Conference 2013, American Heart Association, March 19-22, 2013, New Orleans, LA. Circulation 2013; 127: AP310.
13. He J, Zhao Q, Bazzano LA, Chen J, Chen J, Huang J, Li J, Cao J, Rice T, **Mills K**, Chen CS, Gu D.Blood Pressure Responses to Cold Pressor Test and Incidence of Hypertension: The GenSalt Study. Presented at the Cardiovascular Disease Epidemiology and Prevention and Nutrition, Physical Activity and Metabolism Conference 2013, American Heart Association, March 19-22, 2013, New Orleans, LA. Circulation 2013; 127: AP336.
14. He J, Gu D, Chen J, Chen J, Zhao Q, Huang J, Li J, Cao J, Rice T, **Mills K**, Chen CS, Hamm LL. Salt Sensitivity and Incidence of Hypertension: The GenSalt Study. Presented at the Cardiovascular Disease Epidemiology and Prevention and Nutrition, Physical Activity and Metabolism Conference 2013, American Heart Association, March 19-22, 2013, New Orleans, LA. Circulation 2013; 127: AP335.
15. **Mills KT**, Chen J, Yang W, Appel L, Kusek J, Alper AB, Delafontaine P, Keane M, Mohler E, Ojo A, Rahman M, Ricardo AC, Soliman EZ, Steigerwalt S, Townsend RR, He J. Urinary Sodium and Potassium Excretion and Cardiovascular Diseases in Patients with Chronic Kidney Disease: the Chronic Renal Insufficiency Cohort Study. Presented at the Cardiovascular Disease Epidemiology and Prevention and Nutrition, Physical Activity and Metabolism Conference 2014, American Heart Association, March 18-21, 2014, San Francisco, CA. Circulation 2014; 129 (Suppl 1): AP188.
16. He J, **Mills KT**, Appel LJ, Yang W, Chen J, Rosas SE, Porter A, Makos G, Weir MR, Hamm LL, Kusek J for CRIC Study Investigators. Urinary Sodium and Potassium Excretion and Progression of Chronic Kidney Disease. Presented at the Cardiovascular Disease Epidemiology and Prevention and Nutrition, Physical Activity and Metabolism Conference 2014, American Heart Association, March 18-21, 2014, San Francisco, CA. Circulation 2014;129 (Suppl 1): AP294.
17. He J, Zhang Y, Xu T, Zhao Q, Chen C-S, Tong W, **Mills K**, Chen J for CATIS investigators. Blood Pressure Lowering and Clinical Outcomes in Patients with Acute Ischemic Stroke: China Antihypertensive Trial in Acute Ischemic Stroke (CATIS). Presented at the Cardiovascular Disease Epidemiology and Prevention and Nutrition, Physical Activity and Metabolism Conference 2014, American Heart Association, March 18-21, 2014, San Francisco, CA. Circulation 2014; 129 (Suppl 1): AP212.
18. Zhao Q, Zhang M, Gu D, Cao J, Chen J, Li J, **Mills K**, Chen J, He J. Association of Renal Function and Blood Pressure Reactivity to the Cold Pressor Test: the GenSalt Study. Presented at the Cardiovascular Disease Epidemiology and Prevention and Nutrition, Physical Activity and Metabolism Conference 2014, American Heart Association, March 18-21, 2014, San Francisco, CA. Circulation 2014; 129 (Suppl 1): AP045.
19. **Mills KT**, Appel LJ, Chen J, Delafontaine P, Kusek J, Ojo A, Rahman M, Townsend RR, Yang P, He J for the Chronic Renal Insufficiency Cohort (CRIC) Investigators. Urinary Sodium and Potassium Excretion and Cardiovascular Diseases in Patients with Chronic Kidney Disease: the Chronic Renal Insufficiency Cohort Study. Oral presentation at the World Heart Federation, World Congress of Cardiology Scientific Sessions, May 7, 2014, Melbourne, Australia.
20. **Mills KT**, Xu Y, Zhang W, Bundy J, Chen CS, Kelly TN, Chen J, He J. Global Burden of Chronic Kidney Disease in 2010: a Pooling Analysis of Population-based Data Worldwide. Moderated poster presentation at the American Heart Association Epidemiology and Prevention and Lifestyle and Cardiometabolic Health 2015 Scientific Sessions, March 4, 2015, Baltimore, MD. Circulation 2015;131:AMP40.
21. **Mills KT**, Bundy JB, Kelly TN, Reed JE, Kearney PM, Reynolds K, Chen J, He J. Global Burden and Control of Hypertension in 2010: Analysis of Population-based Studies from 89 Countries. Oral presentation at the American Heart Association Epidemiology and Prevention and Lifestyle and Cardiometabolic Health 2015 Scientific Sessions, March 5, 2015, Baltimore, MD. Circulation 2015; 131:A32.
22. **Mills KT**, Chen J, Yang W, Appel LJ, Kusek J, Alper AB, Delafontaine P, Keane MG, Mohler ER, Ojo AO, Rahman M, Ricardo AC, Soliman EZ, Steigerwalt SP, Townsend RR, He J. The Relationship of Urinary Sodium and Potassium Excretion with Left Ventricular Structure and Function in Patients with Chronic Kidney Disease: Prospective Analyses for the Chronic Renal Insufficiency Cohort Study. Presented at the American Heart Association Epidemiology and Prevention and Lifestyle and Cardiometabolic Health 2015 Scientific Sessions, March 5, 2015, Baltimore, MD. Circulation 2015;131:AP168.
23. **Mills KT**, Bundy JB, Kelly TN, Reed JE, Kearney PM, Reynolds K, Chen J, He J. Global Burden and Control of Hypertension in 2010: Analysis of Population-based Studies from 89 Countries. Oral Presentation at the American Heart Association 2015 Scientific Sessions, November 10, 2015, Orlando, FL. Circulation 2015;132:AP16828.
24. **Mills KT**, Bundy JD, Kelly TN, Reed JE, Kearney PM, Reynolds K, Chen J, He J. Global Disparities of Hypertension Prevalence and Control: a Systematic Analysis of Population-based Studies from 90 Countries. Presented at the 8th Annual Conference on the Science of Dissemination and Implementation in Health, December 14-15, 2015, Washington, DC.
25. **Mills KT**, Obst KM, Shen W, Molina S, Zhang HJ, He J. Comparative-Effectiveness of Implementation Strategies on Blood Pressure Control in Hypertensive Patients: a Meta-analysis. Moderated poster presentation at the American Heart Association EPI/Lifestyle 2017 Scientific Sessions, March 8, 2017, Portland, OR. Circulation 2017;135:AMP040.
26. **Mills KT**, Obst KM, Shen W, Molina S, Zhang HJ, He J. Comparative-Effectiveness of Implementation Strategies on Blood Pressure Control in Hypertensive Patients: a Meta-analysis. Poster presentation at the 10th Annual Conference on the Science of Dissemination and Implementation in Health, December 4-6, 2017, Arlington, VA.
27. **Mills KT**, Obst KM, Shen W, Molina S, Zhang HJ, He J. Role of Providers in Implementation of Blood Pressure Control Strategies in Patients with Hypertension. Oral presentation at the American Heart Association Epidemiology and Prevention and Lifestyle and Cardiometabolic Health 2018 Scientific Sessions, March 21, 2018, New Orleans, LA. Circulation 2018; 137:A006.
28. **Mills KT**, Obst KM, Shen W, Molina S, Zhang HJ, He J. Role of Providers in Implementation of Blood Pressure Control Strategies in Patients with Hypertension. Oral presentation at the NIH, NIGMS Seventh Biennial National IdeA Symposium of Biomedical Research Excellence (NISBRE), June 26, 2018, Washington, DC.
29. **Mills KT**, He H, Irazola V, Poggio R, Beratarrechea A, Chen CS, Gibbons L, Chen J, Rubinstein A, He J. Factors Contributing to the Success of a Multicomponent Intervention for Blood Pressure Control in Argentina: a Mediation Analysis. American Heart Association Epidemiology and Prevention and Lifestyle and Cardiometabolic Health 2019 Scientific Sessions, March 6, 2019, Houston, TX. Circulation 2019; 139:AP197.
30. Dorans KS,Chen J, Anderson AH, **Mills KT**, Bansal N, Go AS, Jaar BG, Kansal MM, Mehta RC, Rahman M, Rao P, Rincon-Choles H, Rosas SE, Weir MR, He J. Changes in Ankle Brachial Index and Subsequent Risk of Heart Failure and Atrial Fibrillation in Patients with Chronic Kidney Disease. American Heart Association Epidemiology and Prevention and Lifestyle and Cardiometabolic Health 2019 Scientific Sessions, March 6, 2019, Houston, TX. Circulation 2019; 140:A10248.
31. **Mills KT**, Pan M, Obst K, He H, He J. Role of Intervention Leader in Success of Implementation Strategies for Blood Pressure Control in Patients with Hypertension: a Meta-Analysis. Delta Clinical and Translational Science Health Disparities Conference, August 19, 2019, Jackson, MS.
32. He J, Zhu Z, Budny JD, **Mills KT**, Bazzano LA, Kelly TN, Zhang Y, Chen J. Cardiovascular Health in US Adults Before and After Publication of the American Heart Association 2020 Impact Goals: Results from NHANES 2005-2016. American Heart Association Epidemiology and Prevention and Lifestyle and Cardiometabolic Health 2020 Scientific Sessions, March 3, 2020, Phoenix, AZ. Circulation 2020; 141:AP101.
33. Hu E, Anderson CA, Grams M, Appel LJ, Coresh J, Crews D, He J, Shou H, **Mills KT**, Taliercio J, Jena-Mohanty M, Bhat J, Rebholz R. A Healthy Beverage Score and Risk of Chronic Kidney Disease Progression, Cardiovascular Disease, and All-Cause Mortality in the Chronic Renal Insufficiency Cohort. American Heart Association Epidemiology and Prevention and Lifestyle and Cardiometabolic Health 2020 Scientific Sessions, March 3, 2020, Phoenix, AZ. Circulation 2020; 141:AP514.
34. **Mills KT**, Pan M, Obst KM, He H, He J. Role of Intervention Leader in Success of Implementation Strategies for Blood Pressure Control in Patients with Hypertension: a Meta-Analysis. Virtual poster presentation at the 13th Annual Conference on the Science of Dissemination and Implementation in Health. December 15-17, 2020.
35. **Mills KT**, Peacock E, Chen J, Zimmerman A, He H, Cyprian A, Davis G, Fuqua SR, Gilliam DS, Greer A, Gray-Winfrey L, Williams S, Wiltz GM, Winfrey KL, Whelton PK, Krousel-Wood M, He J. Experiences and Beliefs of Low-Income Patients with Hypertension in Louisiana and Mississippi during the COVID-19 Pandemic. Moderated poster presentation at American Heart Association Epidemiology and Prevention and Lifestyle and Cardiometabolic Health 2021 Scientific Sessions. May 20-21, 2021: MP40.

**Invited Presentations**

1. “Global Burden of Hypertension in 2010: an Analysis of Population-based Data from 89 Countries”, Epidemiology Seminar Series, Tulane University School of Public Health and Tropical Medicine, October 20, 2014
2. “Global Burden, Modifiable Risk Factors, and Implementation Research of Cardiovascular Disease”, Epidemiology Seminar Series, Tulane University School of Public Health and Tropical Medicine, February 2, 2015.
3. “Global Burden of Hypertension and Chronic Kidney Disease in 2010”, Methods and Ideas in Cardiovascular Epidemiology Interest Group, Welch Center, Johns Hopkins Bloomberg School of Public Health, April 15, 2015
4. “Global Burden of Chronic Kidney Disease”, Epidemiology Seminar Series, Tulane University School of Public Health and Tropical Medicine, October 12, 2015
5. “Comparative-Effectiveness of Implementation Strategies on Blood Pressure Control in Hypertensive Patients: a Meta-analysis”, Delta Omega Awards Dinner, Tulane University, May 18, 2017
6. “Comparative-Effectiveness of Implementation Strategies on Blood Pressure Control in Hypertensive Patients: a Meta-analysis”, Epidemiology Seminar Series, Tulane University School of Public Health and Tropical Medicine, January 29, 2018
7. “Implementation of Multi-Faceted Patient-Centered Treatment Strategies for Intensive Blood Pressure Control (IMPACTS)”, Keynote Speaker, Delta Clinical and Translational Science Health Disparities Conference, University of Mississippi Medical Center, Jackson, MS, July 19, 2018
8. “Partnership for Intensive Blood Pressure Treatment: Working with Federally Qualified Health Centers to Reduce Hypertension Health Disparities”, Community Engagement and Health Disparities Session, 2021 Southeast Regional IDeA Conference, San Juan, Puerto Rico, November 12, 2021.

**CURRENT RESEARCH GRANT PARTICIPATION**

Role: Contact Principal Investigator

Project: **Effectiveness of Implementing an Intensive Blood Pressure Reduction Intervention on Cognitive Decline in Low-income and Minority Hypertensive Patients**

Period of Support: 08/2020-07/2025

Funding Source: NIA, NIH (R61AG068481)

Fuding Level: $5,754,183

Principal Investigators: Katherine Mills, PhD, Jiang He, MD, PhD, Jeff Williamson, MD, MHS

Objectives: This implementation trial will test a multifaceted strategy for implementing an intensive blood pressure intervention protocol targeting systolic BP <120 mmHg on cognitive decline in racial minority and low-income hypertensive patients in primary care. The study will generate urgently needed data on effective, adoptable, and equitable intervention strategies to reduce blood pressure-related cognitive decline in low-income and minority populations.

Role: Co-Investigator

Project: **Community Health Worker-Led Church-Based Intervention for Eliminating Cardiovascular Health Disparities in African Americans**

Period of Support: 09/2020-09/2027

Funding Source: NHLBI, NIH (UG3HL151309)

Funding Level: $8,717,077

Principal Investigators: Jiang He, MD, PhD

Objectives: This study will test whether a community health worker-led church-based multifaceted implementation strategy for applying the 2019 ACC/AHA Guideline on the Primary Prevention of Cardiovascular Disease will reduce cardiovascular health disparities in African Americans in New Orleans and Bogalusa, Louisiana. The proposed study will generate evidence on effectiveness, implementation, and sustainability of multifaceted interventions aimed at eliminating cardiovascular health disparities in high-burden populations in the US.

Role: Co-Investigator

Project: **Implementing and Scaling Up a Team-based Care Strategy for Hypertension Control in Colombia and Jamaica**

Period of Support: 09/2020-09/2026

Funding Source: NHLBI, NIH (UG3HL152373)

Funding Level: $6,030,620

Principal Investigators: Marshall Tulloch-Reid, MD, Jiang He, MD, PhD, Patricio Lopez-Jaramillo, MD, PhD

Objectives: A multidisciplinary team of investigators from Colombia, Jamaica, and the US will work with national and local government agencies and health systems to test the implementation and effectiveness outcomes of implementing and scaling up a team-based care strategy for hypertension control in Colombia and Jamaica. This study will identify effective, equitable, and sustainable strategies to achieve hypertension control in routine clinical settings and reduce cardiovascular risk in the general population of Latin America and the Caribbean, as well as other low- and middle-income countries.

Role: Co-investigator

Project: **Dissemination and Implementation of the SPRINT Study Findings in Underserved Populations**

Period of Support: 08/2017-05/2022

Funding Source: NHLBI, NIH (R01HL133790)

Funding Level: $6,289,530

Principal Investigators: Jiang He, MD, PhD, Marie Krousel-Wood, MD, MSPH

Objectives: The overall goal of this project is to conduct an effectiveness-implementation hybrid trial to simultaneously test the effectiveness of a multicomponent intervention for more intensive BP treatment and the feasibility, fidelity, and sustainability of implementing the intervention in underserved patients with hypertension and at high risk for CVD in Louisiana.

Role: Co-investigator

Project: **Strategies for Implementing a Diabetes Prevention Program for Low-Income Women with Recent Gestational Diabetes Mellitus**

Period of Support: 08/2021-09/2022

Funding Source: NIH (OT2HL158287)

Funding Level: $295,701

Principal Investigators: Kirsten Dorans, PhD

Objectives: This study will examine community-based implementation of a Diabetes Prevention Program (DPP)-like intervention to low-income women with recent GDM. This mixed methods project will involve establishing a regional coalition of key stakeholders; a community-informed needs assessment; and piloting an adapted DPP-like intervention in WIC clinics, in preparation for a potential large-scale statewide trial.

Role: Consultant

Project: **Improving the Health of America through Prevention and Management of Diabetes, Heart Disease, and Stroke**

Period of Support: 01/2019-09/2023

Funding Source: CDC, Texas Department of State Health Services (HHS000353700001)

Funding Level: $3,851,880

Objectives: This 5-year cooperative agreement funds all 50 states and the District of Columbia to carry out work to prevent and manage diabetes, heart disease, and stroke. Using CDC support, states are focused on implementing and evaluating evidence-based strategies to manage diabetes and prevent or delay onset of type 2 diabetes in high-burden populations and communities.

**PAST RESEARCH GRANT PARTICIPATION**

Role: Subproject Principal Investigator/Research Project Leader

Project: **Sodium Lowering and Urinary Sodium Reduction Trial (SUPER)**

Period of Support: 03/2016-02/2021

Funding Source: NIGMS, NIH (P20GM109036)

Funding Level: $1,321,250

Objectives: The overall goal of this randomized controlled trial is to study the effect of dietary sodium reduction on albuminuria, a marker of kidney damage, in chronic kidney disease patients with albuminuria and to determine whether the effect of sodium reduction on albuminuria is different based on race. This trial is a subproject of a P20 Center for Biomedical Research Excellence focused on cardiometabolic translational research.

Role: Postdoctoral Research Fellow (2015-2016)

Project: **Cardiovascular Disease Epidemiology and Biostatistics Training Program**

Period of support: 07/1975-06/2020

Funding source: NHLBI, NIH (T32 HL007024-38)

Principal Investigator: Josef Coresh, MD, PhD

Objectives: The overall goal of this institutional training grant is to develop creative and independent investigators who will contribute to our knowledge of cardiovascular disease, its pathogenesis, complications, and prevention.