

Curriculum Vitae  
**Shakia T. Hardy, PhD, MPH**

**Personal Contact Information**

**Office Address:** University of North Carolina at Chapel Hill  
Gillings School of Global Public Health  
Department of Epidemiology  
123 W. Franklin St., Room 4123  
Chapel Hill, North Carolina 27516

**Email Address:** sthardy@live.unc.edu

**Education:**

- 2011- 2017           **Doctor of Philosophy in Epidemiology**  
University of North Carolina at Chapel Hill  
Gillings School of Public Health, Department of Epidemiology  
*Chapel Hill, North Carolina*  
Chair: Gerado Heiss, MD, PhD  
*Dissertation: Blood Pressure Related Approaches to Reduce the Burden of Chronic Kidney Disease and Kidney Failure. The Atherosclerosis Risk in Communities (ARIC) Study*
- 2009- 2011           **Master of Public Health in Public Health Administration**  
University at South Florida  
College of Public Health  
*Tampa, Florida*
- 2004- 2008           **Bachelor of Arts in Biology, Minors in Chemistry and Music**  
University of North Carolina at Chapel Hill  
College of Arts and Sciences  
*Chapel Hill, North Carolina*

**Postdoctoral Fellowship:**

- 2017-2019           **Multidisciplinary Research Training to Reduce Inequalities in Cardiovascular Health (METRIC) Program**  
Emory University  
Rollins School of Public Health, Department of Epidemiology  
*Atlanta, Georgia*

**Professional Experience:**

- 2023-Present           **Assistant Professor (Tenure Track)**  
Department of Epidemiology  
Gillings School of Global Public Health  
University of North Carolina at Chapel Hill  
*Chapel Hill, North Carolina*
- 2019-2023           **Assistant Professor (Tenure Track)**

Department of Epidemiology  
School of Public Health  
University of Alabama at Birmingham  
*Birmingham, Alabama*

2017-2019

**Post-doctoral Fellow**

Department of Epidemiology  
Rollins School of Public Health  
Emory University  
*Atlanta, Georgia*

2017

**Research Associate**

Duke School of Medicine  
Duke University  
*Durham, North Carolina*

2014

**Teaching Assistant and Lecturer**

Department of Epidemiology  
Gillings School of Global Public Health  
University of North Carolina at Chapel Hill  
*Chapel Hill, North Carolina*

2012-2015

**Graduate Research Assistant**

Department of Epidemiology  
Gillings School of Global Public Health  
University of North Carolina at Chapel Hill  
*Chapel Hill, North Carolina*

2009-2011

**Health and Nutrition Specialist**

Head Start and Early Head Start  
Coastal Community Action, Inc.  
*Newport, North Carolina*

2005

**Research Assistant**

Department of Chemistry  
School of Arts and Sciences  
University of North Carolina at Chapel Hill  
*Chapel Hill, North Carolina*

**Professional Training, Short Courses and Workshops:**

2024-Present

**Research in Implementation Science for Equity (RISE)**

Programs to Increase Diversity Among Individuals Engaged in Health-Related Research (PRIDE), NIH/National Heart, Lung and Blood Institute

2023-Present

**Implementation Science Certificate Program**

University of California, San Francisco. San Francisco, CA.

2023

**23rd Summer Institute on Randomized Behavioral Clinical Trials**

Washington University School of Medicine. St. Louis, MO

- 2018                    **National Heart, Lung, and Blood Institute, Center for Translational Research and Implementation Science:**  
Saunders-Watkins Leadership Workshop  
Bethesda, Maryland
- 2018                    **Leadership and Management Certificate**  
Emory University, School of Medicine, Atlanta, GA.
- 2014-2017            **National Institutes of Health, Institutional Training Grant (T32)**  
**Cardiovascular Epidemiology**  
**Predoctoral Trainee**  
University of North Carolina at Chapel Hill, Chapel Hill, *North Carolina*
- 2011-2014            **National Institutes of Health, Institutional Training Grant (T32)**  
**Renal Epidemiology**  
**Predoctoral Trainee**  
University of North Carolina at Chapel Hill, Chapel Hill, *North Carolina*

## Research Interests

My research takes a multi-disciplinary, life course approach to understanding health disparities in cardiovascular disease by examining the impact of lifestyle factors and social environments on cardiovascular health from childhood to late life. I am particularly focused on the biological, behavioral, and social determinants of hypertension and cardiovascular disease from childhood to young adulthood, a critical period for the development of racial disparities in trajectories for worsening cardiovascular health. I am committed to designing, adapting, implementing, and evaluating prevention interventions to increase equity in blood pressure across the life course.

**Subject Area Expertise:** Hypertension, cardiovascular disease, racial/ethnic health disparities, implementation science, adolescent health, social epidemiology, life course epidemiology.

## Honors:

- 2023                    **Fellow in Randomized Behavioral Clinical Trials**  
National Institute of Health, Office of Behavioral and Social Sciences Research
- 2023                    **Early Career Investigator Research Award**  
UAB Ryals School of Public Health
- 2022, 2020            **Loan Repayment Program, Clinical Research Award**  
NIH/National Heart, Lung, and Blood Institute
- 2019                    **Scott Grundy Fellowship Award for Excellence in Metabolism Research**  
American Heart Association, Council on Lifestyle and Cardiometabolic Health
- 2019                    **New Connections Symposium Travel Award**  
Robert Wood Johnson Foundation
- 2019                    **Early Career Travel Award**  
University of Utah Translational Hypertension Symposium

- 2018      **Saunders-Watkins Leadership Workshop Travel Award**  
National Heart, Lung, and Blood Institute, Center for Translational Research and Implementation Science
- 2018      **First Author Abstract selected among the top 10% of all accepted abstracts submitted to AHA Specialty Conferences, EPI/Lifestyle Abstract #10**  
American Heart Association
- 2017-2019      **Ruth L. Kirschstein National Research Service Award (T32)**  
National Heart, Lung, and Blood Institute
- 2015      **First Author Abstract selected among the top 10% of all accepted abstracts submitted to AHA Specialty Conferences, EPI/Lifestyle Abstract #8**  
American Heart Association
- 2014-2017      **Ruth L. Kirschstein National Research Service Award (T32)**  
National Institute of Diabetes and Digestive and Kidney Diseases
- 2014      **Jeremiah and Rose Stamler Research Award for New Investigators Finalist**  
American Heart Association
- 2014      **First Author Abstract selected among the top 10% of all accepted abstracts submitted to AHA Specialty Conferences, EPI/Lifestyle Abstract #3**  
American Heart Association
- 2012      **Delta Omega**  
Honorary Society in Public Health
- 2011-2014      **Ruth L. Kirschstein National Research Service Award (T32)**  
National Heart, Lung, and Blood Institute
- 2011      **Institute on Teaching and Mentoring travel award**  
Compact for Faculty Diversity
- 2008      **Dean's List**  
University of North Carolina at Chapel Hill
- 2005      **National Science and Mathematics Access to Retain Talent (SMART) Grant**  
University of North Carolina at Chapel Hill
- 2004-2015      **Gates Millennium Scholar**, 10-year full academic scholarship  
Bill and Melinda Gates Foundation
- 2004      **Pearl L. Cavin Scholarship**  
University of North Carolina at Chapel Hill

**Professional Organizations, Societies and Service:**

**Other Professional Positions and Appointments:**

- 2023      Associate Scientist, Center for Study of Community Health, School of Public Health, University of Alabama at Birmingham
- 2022-2023      Associate Scientist, Center for Outcomes and Effectiveness Research and Education (COERE), General Clinical Research Center, University of Alabama at Birmingham

2022-2023	Associate Scientist, Minority Health & Research Center, University of Alabama at Birmingham
2022-2023	Associate Scientist, Center for Clinical and Translational Science (CCTS), University of Alabama at Birmingham
2020-2023	Associate Scientist, Nutrition Obesity Research Center (NORC), University of Alabama at Birmingham
2019-2023	Associate Scientist, Hypertension Center, University of Alabama at Birmingham

**Societies and Affiliations:**

2012-Present	American Heart Association, Council on Epidemiology and Prevention, Member
2018-2020	Population Association of America, Member
2014-2017	American Society of Nephrology, Member
2012	Society for Epidemiological Research, Member

**Publications:**

**Peer-Reviewed Publications:**

**ORCID:** 0000-0001-9211-0474

**NCBI Bibliography:** <https://www.ncbi.nlm.nih.gov/myncbi/shakia.hardy.1/bibliography/public/>

**Google Scholar:** <https://scholar.google.com/citations?user>

*\*\* Indicates shared first/senior authorship*

*† First author is a pre- or post-doctoral mentee under the direction or co-mentorship of Dr. Hardy.*

<b>Citations</b>	<b>H-index</b>	<b>i10-Index</b>
1550	16	24

**Published Manuscripts**

1. † Akinyelure OP, Jaeger BC, Safford MM, Oparil S, Carson AP, Sims A, Hannon L 3rd, Howard G, Muntner P, **Hardy ST**. Social Determinants of Health and Incident Apparent Treatment-Resistant Hypertension Among White and Black US Adults: The REGARDS Study. J Am Heart Assoc. 2024 May 21;13(10):e031695. doi: 10.1161/JAHA.123.031695. Epub 2024 May 16. PubMed PMID: 38752519.
2. AAlanaeme CJ, Ghazi L, Akinyelure OP, Wen Y, Christenson A, Poudel B, Dooley EE, Chen L, **Hardy ST**, Foti K, Bowling CB, Long MT, Colantonio LD, Muntner P. Trends in the prevalence of multiple chronic conditions among US adults with hypertension from 1999-2000 through 2017-2020. Am J Hypertens. 2024 Apr 5:hpae040. doi: 10.1093/ajh/hpae040. Epub ahead of print. PMID: 38576398.
3. Foti K, Coresh J, Whelton PK, Matsushita K, **Hardy ST**, Reynolds K, Bowling CB, Walker KA, Kucharska-Newton A, Windham BG, Griswold M, Schwartz JE, Muntner P. Maintenance of Normal Blood Pressure From Middle to Older Age: Results From the Atherosclerosis Risk

- in Communities Study. *Hypertension*. 2024 Jun;81(6):1356-1364. doi: 10.1161/HYPERTENSIONAHA.123.21823. Epub 2024 Apr 3. PubMed PMID: 38567509; PubMed Central PMCID: PMC11096029.
4. Choi E, Shimbo D, Chen L, Foti K, Ghazi L, **Hardy ST**, Muntner P. Trends in All-Cause, Cardiovascular, and Noncardiovascular Mortality Among US Adults With Hypertension. *Hypertension*. 2024 May;81(5):1055-1064. doi: 10.1161/HYPERTENSIONAHA.123.22220. Epub 2024 Feb 23. PubMed PMID: 38390740; PubMed Central PMCID: PMC11135245.
  5. † Sakhujia S, Jaeger BC, Yano Y, Shimbo D, Lewis CE, Clark Iii D, Tajeu GS, **Hardy ST**, Allen NB, Shikany JM, Schwartz JE, Viera AJ, Muntner P. Race differences in ambulatory blood pressure monitoring parameters. *Blood Press Monit*. 2024 Feb 1;29(1):23-30. doi: 10.1097/MBP.0000000000000680. Epub 2023 Sep 21. PubMed PMID: 37889596; PubMed Central PMCID: PMC11135280.
  6. Reges O, Krefman AE, **Hardy ST**, Yano Y, Muntner P, Pool LR, Gordon-Larsen P, Wang Y, Lloyd-Jones DM, Allen NB. Race- and Sex-Specific Factors Associated With Age-Related Slopes in Systolic Blood Pressure: Findings From the CARDIA Study. *Hypertension*. 2023 Sep;80(9):1890-1899. doi: 10.1161/HYPERTENSIONAHA.123.21217. Epub 2023 Jul 20. PubMed PMID: 37470199.
  7. † Akinyelure OP, Jaeger BC, Oparil S, Carson AP, Safford MM, Howard G, Muntner P, **Hardy ST**. Social Determinants of Health and Uncontrolled Blood Pressure in a National Cohort of Black and White US Adults: the REGARDS Study. *Hypertension*. 2023 Jul;80(7):1403-1413. doi: 10.1161/HYPERTENSIONAHA.122.20219. Epub 2023 Apr 21. PubMed PMID: 37082942; PubMed Central PMCID: PMC10330022.
  8. Jaeger BC, Chen L, Foti K, **Hardy ST**, Bress AP, Kane SP, Huang L, Herrick JS, Derington CG, Poudel B, Christenson A, Colantonio LD, Muntner P. Hypertension Statistics for US Adults: An Open-Source Web Application for Analysis and Visualization of National Health and Nutrition Examination Survey Data. *Hypertension*. 2023 Jun;80(6):1311-1320. doi: 10.1161/HYPERTENSIONAHA.123.20900. Epub 2023 Apr 21. PubMed PMID: 37082970; PubMed Central PMCID: PMC10424908.
  9. **Hardy ST**, Hannon L, Hall L, Cherrington AL. Design of the Equity in Prevention and Progression of Hypertension by Addressing Barriers to Nutrition and Physical Activity Study: A Cluster Randomized Trial. *Am J Hypertens*. 2023 Apr 15;36(5):248-255. doi: 10.1093/ajh/hpad011. PubMed PMID: 37061795; PubMed Central PMCID: PMC10105829.
  10. Suglia SF, **Hardy ST**, Cammack AL, Kim YJ, Pearce BD, Shah AJ, Sullivan S, Wittbrodt M, Bremner JD and Vaccarino V. Child Maltreatment and Inflammatory Response to Mental Stress Among Adults who Have Survived a Myocardial Infarction. *Psychosom Med*. 2022 Nov-Dec 01;84(9):1013-1020. doi: 10.1097/PSY.0000000000001114. Epub 2022 Aug 2. PubMed PMID: 35980788; PubMed Central PMCID: PMC9643601.
  11. Tajeu GS, Colvin CL, **Hardy ST**, Bress AP, Gaye B, Jaeger BC, Ogedegbe G, Sakhujia S, Sims M, Shimbo D, O'Brien EC, Spruill TM and Muntner P. Prevalence, risk factors, and cardiovascular disease outcomes associated with persistent blood pressure control: The Jackson Heart Study. *PLoS One*. 2022;17(8):e0270675. doi: 10.1371/journal.pone.0270675. eCollection 2022. PubMed PMID: 35930588; PubMed Central PMCID: PMC9355196.

12. Cunningham SA\*\*, **Hardy ST\*\***, Jones R, Ng C, Kramer MR and Narayan KMV. Changes in the Incidence of Childhood Obesity. *Pediatrics*. 2022 Aug 1;150(2). doi: 10.1542/peds.2021-053708. PubMed PMID: 35789417; PubMed Central PMCID: PMC9879733.
13. Muntner P, Miles MA, Jaeger BC, Hannon L, 3rd, **Hardy ST**, Ostchega Y, Wozniak G and Schwartz JE. Blood Pressure Control Among US Adults, 2009 to 2012 Through 2017 to 2020. *Hypertension*. 2022 Sep;79(9):1971-1980. doi: 10.1161/HYPERTENSIONAHA.122.19222. Epub 2022 May 26. PubMed PMID: 35616029; PubMed Central PMCID: PMC9370255.
14. Cepeda M, Hubbard D, Oparil S, Schwartz JE, Jaeger BC, **Hardy ST**, Medina J, Chen L, Muntner P and Shimbo D. Evaluating novel approaches for estimating awake and sleep blood pressure: design of the Better BP Study - a randomised, crossover trial. *BMJ Open*. 2022 Jun 6;12(6):e058140. doi: 10.1136/bmjopen-2021-058140. PubMed PMID: 35667722; PubMed Central PMCID: PMC10098258.
15. † Sakhujia S, Jaeger BC, Akinyelure OP, Bress AP, Shimbo D, Schwartz JE, **Hardy ST**, Howard G, Drawz P, Muntner P. Potential impact of systematic and random errors in blood pressure measurement on the prevalence of high office blood pressure in the United States. *J Clin Hypertens (Greenwich)*. 2022 Mar;24(3):263-270. doi: 10.1111/jch.14418. Epub 2022 Feb 9. PubMed PMID: 35137521; PubMed Central PMCID: PMC8925005.
16. Foti K, **Hardy ST**, Chang AR, Selvin E, Coresh J, Muntner P. BMI and blood pressure control among United States adults with hypertension. *J Hypertens*. 2022 Apr 1;40(4):741-748. doi: 10.1097/HJH.0000000000003072. PubMed PMID: 35001034; PubMed Central PMCID: PMC8897212.
17. Jaeger BC, Sakhujia S, **Hardy ST**, Akinyelure OP, Bundy JD, Muntner P and Whelton PK. Predicted cardiovascular risk for United States adults with diabetes, chronic kidney disease, and at least 65 years of age. *J Hypertens*. 2022 Jan 1;40(1):94-101. doi: 10.1097/HJH.0000000000002982. PubMed PMID: 34420013; PubMed Central PMCID: PMC9259065.
18. Kuss B, Lopez NV, **Hardy ST**, Spilkin A, Brauer J, Phillips R, Delio G and Camplain R. Sodium content of menu and commissary provisions in rural jail exceeds heart-healthy dietary recommendations. *Int J Prison Health*. 2021 Nov 25;10.1108/IJPH-08-2021-0087. doi: 10.1108/IJPH-08-2021-0087. PMID: 34813208; PMCID: PMC8809525.
19. **Hardy ST**, Chen L, Cherrington AL, Moise N, Jaeger BC, Foti K, Sakhujia S, Wozniak G, Abdalla M and Muntner P. Racial and Ethnic Differences in Blood Pressure Among US Adults, 1999-2018. *Hypertension*. 2021 Dec;78(6):1730-1741. doi: 10.1161/HYPERTENSIONAHA.121.18086. Epub 2021 Nov 1. PubMed PMID: 34719937; PubMed Central PMCID: PMC8851685.
20. Muntner P, Jaeger BC, **Hardy ST**, Foti K, Reynolds K, Whelton PK and Bowling CB. Age-Specific Prevalence and Factors Associated With Normal Blood Pressure Among US Adults. *Am J Hypertens*. 2022 Apr 2;35(4):319-327. doi: 10.1093/ajh/hpab154. PubMed PMID: 34599824; PubMed Central PMCID: PMC8976172.
21. † Sakhujia S, Colvin CL, Akinyelure OP, Jaeger BC, Foti K, Oparil S, **Hardy ST** and Muntner P. Reasons for Uncontrolled Blood Pressure Among US Adults: Data From the US National

- Health and Nutrition Examination Survey. *Hypertension*. 2021 Nov;78(5):1567-1576. doi: 10.1161/HYPERTENSIONAHA.121.17590. Epub 2021 Oct 13. PubMed PMID: 34644171; PubMed Central PMCID: PMC10845887.
22. † Akinyelure OP, Hubbard D, Sakhuja S, **Hardy ST**, Oparil S, Cherrington AL, Reynolds K, Wozniak G and Muntner P. Factors Associated With Not Having a Healthcare Visit in the Past Year Among US Adults With Hypertension: Data From NHANES 2013–2018. *Am J Hypertens*. 2022 Feb 1;35(2):132-141. doi: 10.1093/ajh/hpab153. PubMed PMID: 34599797; PubMed Central PMCID: PMC8807150.
  23. Muntner P and **Hardy ST**. Together, We've Got This: The US Surgeon General's Call-to-Action on Hypertension Control. *Am J Hypertens*. 2021 Sep 22;34(9):893-894. doi: 10.1093/ajh/hpaa172. PubMed PMID: 34313678.
  24. Viera AJ, Yano Y, Lin F-C, Simel DL, Yun J, Dave G, Von Holle A, Viera LA, Shimbo D, **Hardy ST**, Donahue KE, Hinderliter A, Voisin CE and Jonas DE. Does This Adult Patient Have Hypertension?: The Rational Clinical Examination Systematic Review. *JAMA*. 2021 Jul 27;326(4):339-347. doi: 10.1001/jama.2021.4533. PubMed PMID: 34313682.
  25. Cohen LP, Hubbard D, Colvin CL, Jaeger BC, Poudel B, Abdalla M, Langford AT, **Hardy ST**, Sims M, Lewis CE, Muntner P and Shimbo D. Lifestyle Behaviors Among Adults Recommended for Ambulatory Blood Pressure Monitoring According to the 2017 ACC/AHA Blood Pressure Guideline. *Am J Hypertens*. 2021 Nov 20;34(11):1181-1188. doi: 10.1093/ajh/hpab110. PubMed PMID: 34270687; PubMed Central PMCID: PMC9526804.
  26. Reges O, Krefman AE, **Hardy ST**, Yano Y, Muntner P, Lloyd-Jones DM and Allen NB. Decision Tree-Based Classification for Maintaining Normal Blood Pressure Throughout Early Adulthood and Middle Age: Findings From the Coronary Artery Risk Development in Young Adults (CARDIA) Study. *Am J Hypertens*. 2021 Oct 27;34(10):1037-1041. doi: 10.1093/ajh/hpab099. PubMed PMID: 34175929; PubMed Central PMCID: PMC8557418.
  27. Muntner P and **Hardy ST**. Update on Blood Pressure Control Among US Adults With Hypertension-Reply. *JAMA*. 2021 Feb 9;325(6):587-588. doi: 10.1001/jama.2020.23991. PubMed PMID: 33560317.
  28. **Hardy ST**, Sakhuja S, Jaeger BC, Urbina EM, Suglia SF, Feig DI and Muntner P. Trends in Blood Pressure and Hypertension Among US Children and Adolescents, 1999-2018. *JAMA Netw Open*. 2021 Apr 1;4(4):e213917. doi: 10.1001/jamanetworkopen.2021.3917. PubMed PMID: 33792732; PubMed Central PMCID: PMC8017470.
  29. **Hardy ST**, Sakhuja S, Jaeger BC, Oparil S, Akinyelure OP, Spruill TM, Kalinowski J, Butler M, Anstey DE, Elfassy T, Tajeu GS, Allen NB, Reges O, Sims M, Shimbo D and Muntner P. Maintaining Normal Blood Pressure Across the Life Course. *Hypertension*. 2021;77:1490-1499.
  30. **Hardy ST**, Urbina EM. Blood Pressure in Childhood and Adolescence. *Am J Hypertens*. 2021 Apr 2;34(3):242-249. doi: 10.1093/ajh/hpab004. Review. PubMed PMID: 33821942; PubMed Central PMCID: PMC8022980.
  31. Colvin CL, King JB, Oparil S, Wright JT, Jr., Ogedegbe G, Mohanty A, **Hardy ST**, Huang L, Hess R, Muntner P, Bress A. Association of Race/Ethnicity-Specific Changes in



- Antihypertensive Medication Classes Initiated Among Medicare Beneficiaries With the Eighth Joint National Committee Panel Member Report. *JAMA Netw Open*. 2020 Nov 2;3(11):e2025127. doi: 10.1001/jamanetworkopen.2020.25127. PubMed PMID: 33206191; PubMed Central PMCID: PMC7675104.2020;3:e2025127-e2025127.
32. † Akinyelure OP, Sakhujia S, Colvin CL, Clark D, Jaeger BC, **Hardy ST**, Howard G, Cohen LP, Irvin MR, Tanner R, Carey RM, Muntner P. Cardiovascular Health and Transition From Controlled Blood Pressure to Apparent Treatment Resistant Hypertension: The Jackson Heart Study and the REGARDS Study. *Hypertension*. 2020 Dec;76(6):1953-1961. doi: 10.1161/HYPERTENSIONAHA.120.15890. Epub 2020 Nov 2. PubMed PMID: 33131312.
  33. Muntner P, **Hardy ST**, Fine LJ, Jaeger BC, Wozniak G, Levitan EB, Colantonio LD. Trends in Blood Pressure Control Among US Adults With Hypertension, 1999-2000 to 2017-2018. *JAMA*. 2020 Sep 22;324(12):1190-1200. doi: 10.1001/jama.2020.14545. PubMed PMID: 32902588; PubMed Central PMCID: PMC7489367.
  34. Smith JP, **Hardy ST**, Hale LE, Gazmararian JA. Racial disparities and sleep among preschool aged children: a systematic review. *Sleep Health*. 2019 Feb;5(1):49-57. doi: 10.1016/j.sleh.2018.09.010. Epub 2018 Oct 15. PubMed PMID: 30670165; PubMed Central PMCID: PMC6519123.
  35. Sullivan S, Kelli HM, Hammadah M, Topel M, Wilmot K, Ramadan R, Pearce BD, Shah A, Lima BB, Kim JH, **Hardy S**, Levantsevych O, Obideen M, Kaseer B, Ward L, Kutner M, Hankus A, Ko YA, Kramer MR, Lewis TT, Bremner JD, Quyyumi A, Vaccarino V. Neighborhood poverty and hemodynamic, neuroendocrine, and immune response to acute stress among patients with coronary artery disease. *Psychoneuroendocrinology*. 2019 Feb;100:145-155. doi: 10.1016/j.psyneuen.2018.09.040. Epub 2018 Oct 1. PubMed PMID: 30336337; PubMed Central PMCID: PMC6530548.
  36. **Hardy ST**, Zeng D, Kshirsagar AV, Viera AJ, Avery CL, Heiss G. Primary prevention of chronic kidney disease through population-based strategies for blood pressure control: The ARIC study. *J Clin Hypertens (Greenwich)*. 2018 Jun;20(6):1018-1026. doi: 10.1111/jch.13311. Epub 2018 May 23. PubMed PMID: 29797488; PubMed Central PMCID: PMC6528649.
  37. Engeda JC, Holliday KM, **Hardy ST**, Chakladar S, Lin DY, Talavera GA, Howard BV, Daviglius ML, Pirzada A, Schreiner PJ, Zeng D, Avery CL. Transitions from Ideal to Intermediate Cholesterol Levels may vary by Cholesterol Metric. *Sci Rep*. 2018 Feb 9;8(1):2782. doi: 10.1038/s41598-018-20660-2. PubMed PMID: 29426885; PubMed Central PMCID: PMC5807429.
  38. **Hardy ST**, Holliday KM, Chakladar S, Engeda JC, Allen NB, Heiss G, Lloyd-Jones DM, Schreiner PJ, Shay CM, Lin D, Zeng D, Avery CL. Heterogeneity in Blood Pressure Transitions Over the Life Course: Age-Specific Emergence of Racial/Ethnic and Sex Disparities in the United States. *JAMA Cardiol*. 2017 Jun 1;2(6):653-661. doi: 10.1001/jamacardio.2017.0652. PubMed PMID: 28423153; PubMed Central PMCID: PMC5634332.
  39. Avery CL, Holliday KM, Chakladar S, Engeda JC, **Hardy ST**, Reis JP, Schreiner PJ, Shay CM, Daviglius ML, Heiss G, Lin DY, Zeng D. Disparities in Early Transitions to Obesity in Contemporary Multi-Ethnic U.S. Populations. *PLoS One*. 2016;11(6):e0158025. doi:

10.1371/journal.pone.0158025. eCollection 2016. PubMed PMID: 27348868; PubMed Central PMCID: PMC4922630.

40. **Hardy ST**, Loehr LR, Butler KR, Chakladar S, Chang PP, Folsom AR, Heiss G, MacLehose RF, Matsushita K, Avery CL. Reducing the Blood Pressure-Related Burden of Cardiovascular Disease: Impact of Achievable Improvements in Blood Pressure Prevention and Control. *J Am Heart Assoc.* 2015 Oct 27;4(10):e002276. doi: 10.1161/JAHA.115.002276. PubMed PMID: 26508742; PubMed Central PMCID: PMC4845128.
41. Snyder ML, Love SA, Sorlie PD, Rosamond WD, Antini C, Metcalf PA, **Hardy S**, Suchindran CM, Shahar E, Heiss G. Redistribution of heart failure as the cause of death: the Atherosclerosis Risk in Communities Study. *Popul Health Metr.* 2014 Apr 10;12(1):10. doi: 10.1186/1478-7954-12-10. PubMed PMID: 24716810; PubMed Central PMCID: PMC4113199.

#### Published Abstracts:

1. Alanaeme CJ, Wen Y, Chen L, Ghazi L, Lenz K, Fang C, Poudel B, Cepeda M, Lam M, **Hardy ST**, et al. Abstract P310: Preference for Home Blood Pressure Monitoring versus Ambulatory Blood Pressure Monitoring for Measuring Sleep Blood Pressure: The BetterBP Study. *Circulation.* 2024;149:AP310-AP310. doi: doi:10.1161/circ.149.suppl\_1.P310
2. **Hardy ST**, Hall L, Hannon L, Cherrington A. Abstract P378: Design of the Equity in Prevention and Progression of Hypertension by Addressing Barriers to Nutrition and Physical Activity (EIPHANY) Study: A Cluster Randomized Trial. *Circulation.* 2023;147(Suppl\_1):AP378-AP.
3. Alanaeme CJ, Akinyelure OP, Wen Y, Christenson A, Poudel B, **Hardy ST**, Foti K, Ghazi L, Bowling CB, Long M, Colantonio L, Muntner P. Abstract P383: Trends in Multimorbidity Among U.S. Adults With and Without Hypertension, 1999-2000 to 2017-2020. *Circulation.* 2023;147(Suppl\_1):AP383-AP.
4. Miles MA, Akinyelure OP, Sakhuja S, **Hardy ST**, Jaeger BC, Spruill TM, Shimbo D, Mizuno H, Sim M, Jones L, Muntner P. Abstract P258: Global Stress and Masked Hypertension in African-Americans: The Jackson Heart Study. *Circulation.* 2023;147(Suppl\_1):AP258-AP.
5. Akinyelure OP, Jaeger BC, Oparil S, Carson AP, Safford MM, Hannon L, Sims A, Howard G, Muntner, **Hardy ST**. Abstract 59: Social Determinants of Health and Incident Apparent Treatment Resistant Hypertension in a National Cohort of Black and White US Adults. *Circulation.* 2023;147(Suppl\_1):A59-A.
6. Akinyelure OP, Jaeger BC, Oparil S, Carson AP, Safford M, Howard G, Muntner P and **Hardy ST**. Abstract 052: Social Determinants Of Health And Uncontrolled Blood Pressure In A National Cohort Of Black And White US Adults. *Circulation.* 2022;145:A052-A052.
7. Foti K, **Hardy ST**, Chang A, Selvin E, Coresh J and Muntner P. Abstract P090: Does the Increasing Prevalence of Obesity Explain The Decrease In Blood Pressure Control Among Us Adults With Hypertension? *Circulation.* 2021;143:AP090-AP090.

8. Kuss B, Lopez N, **Hardy ST** and Camplain RL. Abstract P083: Sodium Content of Menu and Commissary Provisions In Rural Jail Exceed Heart-healthy Dietary Recommendations. *Circulation*. 2021;143:AP083-AP083.
9. Sakhuja S, Colvin C, Akinyelure O, **Hardy ST** and Muntner P. Abstract P091: Reasons for Uncontrolled Blood Pressure Among US Adults. *Circulation*. 2021;143:AP091-AP091.
10. Tajeu GS, Colvin C, **Hardy ST**, Gaye B, Bress AP, Jaeger B, Ogedegbe G, Sakhuja S, Sims M, OBrien EC, Spruill TM, Shimbo D and Muntner P. Abstract 064: Prevalence, Risk Factors and Cardiovascular Outcomes Associated With Persistent Blood Pressure Control: The Jackson Heart Study. *Circulation*. 2021;143:A064-A064.
11. Sakhuja S, **Hardy ST**, Akinyelure P, et al. Abstract P335: Using Cardiovascular Disease Risk Versus Blood Pressure to Guide The Initiation Of Antihypertensive Medication Among Us Adults. *Circulation*. 2020;141(Suppl\_1):AP335-AP335.
12. **Hardy ST**, Ng C, Cunningham S and Kramer M. Abstract 036: Contemporary Estimates of Obesity Incidence of Among Children in the United States. *Circulation*. 2019;139:A036-A036. Presented as a oral presentation at the American Heart Association Epi/Lifestyle Conference, March 2019, *Winner of the Scott Grundy Award for Excellence in Metabolism Research*
13. **Hardy ST**, Sullivan S, Hammadah M, et al. Abstract P360: Blunted Hemodynamic Response to Acute Mental Stress Among African Americans With Coronary Heart Disease. *Circulation*. 2019;139(Suppl\_1):AP360-AP360.
14. Bromfield SG, **Hardy S**, Sullivan S, Hammadah M, Shah A, Levantsevych O, Kaseer B, Elon L, Li L, Bremner JD, Quyyumi A, Vaccarino V and Lewis TT. 0705 Short Sleep Duration is Associated with Lower Stress-Induced Blood Pressure Reactivity in Young Women with Early-Onset Myocardial Infarction, But Not Men. *Sleep*. 2018;41:A262-A262.
15. **Hardy ST**, Avery CL, Zeng D, Kshirsagar AV, Viera AJ and Heiss G. Abstract 010: Prevention of Chronic Kidney Disease: Impact of Addressing the Blood Pressure Distribution, Not Just the Tail. *Circulation*. 2018;137:A010-A010. Presented as a rapid fire oral presentation at the American Heart Association Epi/Lifestyle Conference, March 2018
16. **Hardy ST**, Holliday KM, Chakladar S, Engeda JC, Heiss G, Lin D, Shay CM, Zeng D and Avery CL. Abstract MP63: Loss of Ideal Blood Pressure in Childhood: Age-specific Emergence of Gender and Race/ethnic Disparities. *Circulation*. 2016;133:AMP63. Presented as a moderated poster at the American Heart Association Epi/Lifestyle Conference, March 2016
17. Engeda J, Holliday K, **Hardy S**, Chakladar S, Heiss G and Avery C. Abstract P001: Early Loss of Ideal LDL in Multi-Ethnic Populations: Why Focusing on Young Adults is Needed to Achieve the AHA 2020 Goals. *Circulation*. 2016;133:AP001.
18. **Hardy ST**, Holliday KM, Chakladar S, Engeda JC, Heiss G, Lin D, Shay CM, Zeng D and Avery CL. Abstract 08: Heterogeneity in Transitioning from Ideal Blood Pressure Over the Life Course in the US. *Circulation*. 2015;131:A08. Presented as an oral presentation at the American Heart Association Epi/Lifestyle Conference, March 2015

19. Engeda JC, Holliday KM, **Hardy ST**, Chakladar S, Heiss G, Lin D, Zeng D, Shay CM and Avery CL. Abstract 29: Loss of Ideal Total Cholesterol Early in Life: The National Health and Nutrition Examination Survey (NHANES). *Circulation*. 2015;131:A29.
20. **Hardy ST**, Loehr LR, Butler KR, Chang PP, Folsom AR, Heiss G, MacLehose RF, Matsushita K and Avery CL. Abstract 03: Projected impact of shifting categories of hypertension on rates of coronary heart disease, heart failure and stroke: the Atherosclerosis Risk in Communities Study (ARIC). *Circulation*. 2014;129:A03-A03. Presented as an oral presentation and *Stamler finalist at the American Heart Association Epi/Lifestyle Conference*, March 2014
21. **Hardy ST**, Loehr LR, Butler KR, Chang PP, Folsom AR, Heiss G, MacLehose RF, Matsushita K and Avery CL. Abstract MP77: Projected Impact of Shifting Population Distributions of Blood Pressure on Rates of Coronary Heart Disease, Heart Failure and Stroke: The Atherosclerosis Risk in Communities Study. *Circulation*. 2013;127:AMP77-AMP77. Presented as a moderated poster at the American Heart Association Epi/Lifestyle Conference, March 2013

**Peer Selected Podium Presentations and Invited Presentations:**

1. Geographic Disparities in Hypertension, American Heart Association, Hypertension, San Diego, CA, September 2022
2. Hypertension in African Americans: Lessons from the Jackson Heart Study. American Heart Association, Hypertension, San Diego, CA, September 2022
3. Hypertension Research and Blood Pressure Control. Invited Talk for the US Surgeon General. University of Alabama at Birmingham, School of Public Health, August 2020
4. Contemporary Estimates of Obesity among Children in the United States. American Heart Association EPI/Lifestyle, Houston, TX. March 2019
5. The Childhood Obesity Epidemic: Incidence and Prevalence in the United States. Emory University, Department of Epidemiology, October 2018
6. Primary Prevention of Hypertension and Blood Pressure Related Health Disparities, University of Alabama at Birmingham, Department of Epidemiology, July 2018
7. Prevention of Chronic Kidney Disease: Impact of Addressing the Distribution not Just the Tail. American Heart Association EPI/Lifestyle, New Orleans, LA. March 2018
8. Loss of Ideal Blood Pressure in Childhood: Age-specific Emergence of Gender and Race/ethnic Disparities. American Heart Association EPI/Lifestyle, Phoenix, AZ. March 2016
9. Heterogeneity in Transitioning from Ideal Blood Pressure over the Life Course in the US. American Heart Association EPI/Lifestyle conference, Baltimore, MD. March 2015
10. Projected Impact of Shifting Categories of Hypertension on Rates of Coronary Heart Disease, Heart Failure and Stroke: The Atherosclerosis Risk in Communities Study (ARIC).

American Heart Association, Epidemiology and Prevention | Nutrition, Physical Activity, and Metabolism Conference, San Francisco, CA. Stamler Award Finalist, March 2014

11. Projected Impact of Shifting Population Distributions of Blood Pressure on Rates of Coronary Heart Disease, Heart Failure and Stroke: The Atherosclerosis Risk in Communities Study, American Heart Association, Epidemiology and Prevention | Nutrition, Physical Activity, and Metabolism Conference, New Orleans, LA. March 2013

**Teaching Activities/Educational Contributions:**

**Teaching Activities**

**Courses led**

- 2023           Advanced Epidemiology (EPI 704), Fall 2023  
University of Alabama at Birmingham  
Course Director
- 2022           Advanced Epidemiology (EPI 704), Fall 2022  
University of Alabama at Birmingham  
Course Director
- 2021           Epidemiology of Cardiovascular Disease (EPI 706), Fall 2021  
University of Alabama at Birmingham  
Course Director
- 2020           Epidemiology of Cardiovascular Disease (EPI 706), Fall 2020  
University of Alabama at Birmingham  
Course Director

**Guest Lectures/Teaching Assistant**

- 2023           Epidemiology doctoral seminar (EPI 790), Spring 2023  
University of Alabama at Birmingham  
Lecture: Developing a K01: from idea generation to submission
- 2019           Epidemiology of Cardiovascular Disease (EPI 706), Fall 2019  
University of Alabama at Birmingham  
Lecture: Cardiovascular Disease Across the Life Course
- 2014           Clinical Management and Evaluation (EPID 711, PUB 760), Fall 2014  
University of North Carolina at Chapel Hill  
Teacher Assistant  
Lecture: Direct and Indirect Standardization

**Mentoring**

**University of North Carolina at Chapel Hill, School of Public Health**

**Advising**

**Doctoral**

- 2024           Elizabeth Thomas, PhD in Epidemiology

## University of Alabama at Birmingham, School of Public Health

### Dissertation committee chair

2021-2023 Oluwasegun Philip Akinyelure, Department of Epidemiology  
**Dissertation title:** *Social determinants of health and blood pressure control among Black and White adults.*  
*Funded predoctoral fellowship award from the American Heart Association (828562)*

### Dissertation committee member

2024-Present Taishayla McKitt, Department of Epidemiology  
2023-Present Melinda Clarke, Department of Community Health and Human Services  
2022-Present Mary Catherine Lawson, Department of Health Behavior  
2022-Present Hely Nanavati, Department of Epidemiology  
2022-2024 Miriam Miles, Department of Health Behavior

### Masters thesis committee

2021-2023 Rafeka Hossain, Department of Epidemiology  
2021-2023 Emily Gunawan, Department of Epidemiology  
2021 Radhika Gangaraju, Department of Epidemiology

### Advising and mentoring

<sup>§</sup> *Indicates co-mentorship*

### Doctoral

2023 Taishayla Mckitt, Department of Epidemiology  
2020-2023 Oluwasegun Philip Akinyelure, Department of Epidemiology  
2020-2022 <sup>§</sup>Swati Sakhuja, Department of Epidemiology

### Master of Public Health - Fast Track Undergrad

2022-2023 Andrea Johnson, AB-MPH Epidemiology

### Master of Public Health

2022-2023 Mark Saldua, MPH Epidemiology  
2022-2023 Fatima Moeen, MPH Epidemiology  
2022-2023 Sabrina Famuyiwa, MPH Epidemiology  
2022-2023 Lakshmi Cheruvu, MPH Epidemiology  
2022-2023 Kaithlyn Hawkins, MPH Epidemiology  
2022-2023 Anastasia Grindstaff, MPH Epidemiology  
2022-2023 Nakaya Foust, MPH Epidemiology  
2022-2023 Affala Miedi, MPH Epidemiology  
2022-2023 Alexander Daley, MPH Epidemiology  
2022-2023 Brenna Dotson, MPH Epidemiology  
2022-2023 Nita Kanney, MPH Epidemiology  
2022-2023 Kashiya Nwanguma, MPH Epidemiology

2020-2022 Matthew Skinner, MPH Epidemiology  
2020-2022 Richard Morgan, MPH Epidemiology

**Grant Support:**

**Active:**

NIH/NHLBI K01HL164763 (PI: **Shakia Hardy**)

**Title:** *Peer Support for Lowering Blood Pressure among Adolescents: A Pilot, Randomized Controlled Trial*

**Role:** Principal Investigator

**Duration:** 09/2022 – 08/2027

**Total Funding:** \$765,447

AHA Health Equity Research Network (PI: Andrea Cherrington, **Co-PI: Shakia Hardy**)

**Title:** *Equity in Prevention and Progression of Hypertension by Addressing barriers to Nutrition and Physical activity*

**Role:** Co-Principal Investigator

**Duration:** 10/1/2021 – 09/30/2025

**Total Funding:** \$2,596,292

Loan Repayment Program (PI: **Shakia Hardy**)

NIH/NHLBI Clinical Research 2L30HL154181-02, Renewal

**Title:** Improving the assessment of blood pressure: Determining the role of state anxiety in the measurement of blood pressure using novel approaches

**Role:** Recipient

**Duration:** 7/1/2022 – 06/30/2024

**Past:**

UAB CARES COERE (PI: **Shakia Hardy**)

**Title:** *Rurality and achieving health behaviors among adolescents: Context matters*

**Role:** Principal Investigator

**Duration:** 10/2022 – 10/2023

**Total Funding:** \$50,000

Loan Repayment Program (PI: **Shakia Hardy**)

NIH/NHLBI Clinical Research L30HL154181

**Title:** Improving the assessment of blood pressure: Determining the role of state anxiety in the measurement of blood pressure using novel approaches

**Role:** Recipient

**Duration:** 7/1/2020 – 06/30/2022

NIH/NHLBI 3R01HL139716 (PI: Paul Muntner; **Diversity Supplement PI: Shakia Hardy**)

**Title:** *Evaluating novel approaches for estimating awake and sleep blood pressure*

**Role:** Principal Investigator of Diversity Supplement

**Duration:** 7/15/2018– 4/30/2022

**Total Funding:** \$382,800

American Heart Association (PI: Paul Muntner)

**Title:** *UAB Strategically Focused Hypertension Research Center*

**Role:** Co-Investigator

**Duration:** 4/01/2015– 3/31/2019

NIH/NHLBI R01HL117323 (PI: Paul Muntner)

**Title:** *Incorporation of a Hypertension Working Group into the Jackson Heart Study*

**Role:** Co-Investigator

**Duration:** 07/01/2017-06/30/21

**Total Funding:** 2,428,605

NIH/NHLBI T32HL130025 (PI: Viola Vaccarino)

**Title:** *Multidisciplinary Research Training to Reduce Inequalities in Cardiovascular Health (METRIC)*

**Role:** Post-doctoral Trainee

**Duration:** 08/2017-07/2019

NIH/NIDDK T32DK007750 (PI: Ronald Falk)

**Title:** *Renal Epidemiology Training Program*

**Role:** Pre-doctoral Trainee

**Duration:** 08/2014-07/2017

NIH/NHLBI T32HL007055 (Co-PIs: Gerardo Heiss, Wayne Rosamond)

**Title:** *Cardiovascular Epidemiology Training Program*

**Role:** Pre-doctoral Trainee

**Duration:** 8/2011-7/2014

**Not funded:**

NIH/NHLBI R03HL173132 (PI: **Shakia Hardy**)

**Title:** *A Trial to Educate Adolescents on the Conduct of Home Blood Pressure: TEACH BP*

**Role:** Principal Investigator

**Duration:** 04/2024 – 03/2026

**Submitted:** June 2023, scored

CDC SIP Center for the Study of Community Health (PI Jeffery Walker)

**Title:** *Reducing Hypertension through Addressing Racism Mentally (HARM)*

**Role:** Principal Investigator

**Submitted:** February 2021, scored

**Professional Service**

**Ad-Hoc Journal Reviews:**

*Circulation*

*Hypertension*

*Journal of the American Heart Association*

*Circulation: Cardiovascular Quality and Outcomes*

*Journal of Clinical Hypertension*

*American Journal of Hypertension*

*Frontiers in Cardiovascular Medicine*

*BMJ Open*

**Departmental and University Committees:**

2021-2023 Member, Doctoral Admissions Committee, Department of Epidemiology,



	University of Alabama at Birmingham, School of Public Health
2021-2023	Member, Doctoral Qualifying Exam Committee, Department of Epidemiology, University of Alabama at Birmingham, School of Public Health
2023	33 <sup>rd</sup> University of Alabama at Birmingham Vascular Biology and Hypertension Symposium Faculty, Chair of the Interdisciplinary Approaches to Addressing Health Equity and Disparities in Blood Pressure Session
2021-2022	Member, Faculty Search Committee, Department of Epidemiology, University of Alabama at Birmingham, School of Public Health
2019-2021	Member, Masters Degree Admissions Committee, Department of Epidemiology, University of Alabama at Birmingham, School of Public Health
2013-2014	Cardiovascular Disease Research Seminar coordinator, Department of Epidemiology, University of North Carolina at Chapel Hill, Gillings School of Public Health
2011-2013	Diversity and Inclusion Committee member, Department of Epidemiology, University of North Carolina at Chapel Hill, Gillings School of Public Health

**Scientific Service**

**Editorial Boards**

2021-Present Journal of the American Heart Association, Editorial Board Member

**Guest Editor**

2021-2023 Frontiers in Cardiovascular Medicine

**Committee Membership**

2024-Present	American Heart Association, Council on Epidemiology, Nominating Committee
2023-Present	American Heart Association, Council on Hypertension, HTN & KCVD Science Committee
2021-2023	American Heart Association, Council on Hypertension, Clinical Science Programming Committee
2021-2023	UAB NORC Early Career Investigators for LifeStyle Interventions, Peer Support, and Engagement) Working Group
2019-Present	Hypertension Working Group, Jackson Heart Study (JHS)
2019-Present	Coronary Artery Risk Development in Young Adults Study (CARDIA) New Investigator Committee

**Conference Session Moderation**

2024	American Heart Association EPI/Lifestyle, Hypertension Session
2023	American Heart Association Scientific Sessions, What Population Approaches Can We Use to Reverse the Worsening Trends in Blood Pressure Control?
2023	UAB Vascular Biology and Hypertension Symposium, Health Equity Session
2021	American Heart Association EPI/Lifestyle Trainee Session

**Abstract Review**

2022 American Heart Association, Council on Hypertension

**Grant Review**

2023 NIH, Early Career Reviewer, Healthcare and Health Disparities study section  
2023 American Heart Association RESTORE Network Pilot grants  
2021 UAB CCTS Grant Review Panel

**Poster Review**

2023 UAB, School of Public Health, Research Day Poster Review Judge