# Curriculum Vitae

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

**Personal Information**

**Office Address:** University of Alabama at Birmingham

School of Public Health

Department of Epidemiology

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RPHB 220

Birmingham, Alabama 35294-0022

**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*

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**

Rollins School of Public Health, Department of Epidemiology

Emory University

*Atlanta, Georgia*

**Professional Experience:**

2019 **Assistant Professor**

Department of Epidemiology

School of Public Health

University of Alabama at Birmingham (UAB)

*Birmingham, Alabama*

2017-2019 **Post-doctoral Fellowship**

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 Public Health

University of North Carolina at Chapel Hill

*Chapel Hill, North Carolina*

2012-2015 **Graduate Research Assistant**

Department of Epidemiology

Gillings School of 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:**

2018 Emory University, School of Medicine, Leadership and Management Certificate

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*

**Honors:**

2020 Loan Repayment Program, Clinical Research, NIH/ National Heart, Lung, and Blood Institute

2019 Scott Grundy Fellowship Award for Excellence in Metabolism Research, Council on Lifestyle and Cardiometabolic Health, American Heart Association

2019 Robert Wood Johnson Foundation New Connections Symposium Travel Award

2019 University of Utah Translational Hypertension Symposium Early Career Travel Award

2018 National Heart, Lung, and Blood Institute, Center for Translational Research and Implementation Science, Saunders-Watkins Leadership Workshop Travel Award

2018 First Author Abstract selected among the top 10% of all accepted abstracts submitted to AHA Specialty Conferences, American Heart Association EPI/Lifestyle Abstract #10

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, American Heart Association EPI/Lifestyle Abstract #8

2014-2017 Ruth L. Kirschstein National Research Service Award (T32), National Institute of Diabetes and Digestive and Kidney Diseases

2014 American Heart Association’s Jeremiah and Rose Stamler Research Award for New Investigators Finalist

2014 First Author Abstract selected among the top 10% of all accepted abstracts submitted to AHA Specialty Conferences, American Heart Association EPI/Lifestyle Abstract #3

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 Compact for Faculty Diversity, Institute on Teaching and Mentoring travel award

2008 University of North Carolina at Chapel Hill Dean’s List

2005 National Science and Mathematics Access to Retain Talent (SMART) Grant

2004 Pearl L. Cavin Scholarship, University of North Carolina at Chapel Hill

2004-2015 Gates Millennium Scholar, 10-year full academic scholarship

**Professional Organizations, Societies and Service:**

**Professional Societies and Affiliations:**

2020-Present UAB Nutrition Obesity Research Center, Associate Scientist

2019-Present UAB Hypertension Center, Scientist

2018-2020 Population Association of American, Member

2014-Present American Society of Nephrology, Member

2012-Present American Heart Association, Council on Epidemiology and Prevention, Member

2012- Present Society for Epidemiological Research, Member

**Ad-Hoc Journal Reviews:**

*Circulation*

*Journal of the American Heart Association*

*Circulation: Cardiovascular Quality and Outcomes*

*Journal of Clinical Hypertension*

*American Journal of Hypertension*

**Departmental and University Committees:**

2019-Present Member, Admissions Committee, Department of Epidemiology, School of Public

Health, University of Alabama at Birmingham

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

**Scientific Service**

2021-Present Moderator, American Heart Association EPI/Lifestyle Trainee Session

2019-Present Hypertension Working Group, Jackson Heart Study (JHS)

2019-Present Coronary Artery Risk Development in Young Adults Study (CARDIA) New

Investigator Committee

**Grant Support:**

**Present:**

NIH/NHLBI 3R01HL139716-02S1 (PI of Parent R01: Paul Muntner)

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

**Role:** PI of Investigator Research Supplement

**Duration:** 3/01/2020– 4/30/2022

NIH/NHLBI Loan Repayment Program L30 HL154181

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

**Role:** Awardee

**Duration:** 8/1/2020 – 7/31/2022

**Past:**

American Heart Association (PI: Paul Muntner)

*UAB Strategically Focused Hypertension Research Center*

**Role:** Co-Investigator

**Duration:** 4/01/2015– 3/31/2019

NIH/NHLBI R01HL117323 (PI: Paul Muntner)

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

**Role:** Co-Investigator

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

NIH/NHLBI T32HL130025 (PI: Viola Vaccarino)

*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)

*Renal Epidemiology Training Program*

**Role:** Pre-doctoral Trainee

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

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

*Cardiovascular Epidemiology Training Program*

**Role:** Pre-doctoralTrainee

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

**Educational Contributions:**

**Teaching Activities**

2020-Present Course Director, Epidemiology of Cardiovascular Disease (EPI 706), University

of Alabama at Birmingham

2019 Lecturer, Epidemiology of Cardiovascular Disease (EPI 706), University of

Alabama at Birmingham

2014 Teaching Assistant, Clinical Management and Evaluation (EPID 711, PUBH

760), University of North Carolina at Chapel Hill, Fall 2014

**Mentoring**

**Academic Advisor**

2020-Present Matthew Ryan, MPH Epidemiology, UAB School of Public Health

2020-Present Kashiya Chinyere, MPH Epidemiology, UAB School of Public Health

2020-Present Richard Ethan, MPH Epidemiology, UAB School of Public Health

2021-Present Alexander Daley, MPH Epidemiology, UAB School of Public Health

2021-Present Brenna Dotson, MPH Epidemiology, UAB School of Public Health

2021-Present Nita Kanney, MPH Epidemiology, UAB School of Public Health

**Mentoring**

2019-Present Oluwasegun Philip Akinyelure, PhD Committee Chair, UAB School of Public Health

2019-Present Swati Sakhuja, PhD Epidemiology, UAB School of Public Health

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

1. Hypertension Research and Blood Pressure Control. Invited Talk for the US Surgeon General. University of Alabama at Birmingham, School of Public Health
2. Contemporary Estimates of Obesity among Children in the United States. American Heart Association EPI/Lifestyle, Houston, TX. March 2019
3. The Childhood Obesity Epidemic: Incidence and Prevalence in the United States. Emory University, Department of Epidemiology, October 2018
4. Primary Prevention of Hypertension and Blood Pressure Related Health Disparities, University of Alabama at Birmingham, Department of Epidemiology, July 2018
5. Prevention of Chronic Kidney Disease: Impact of Addressing the Distribution not Just the Tail. American Heart Association EPI/Lifestyle, New Orleans, LA. March 2018
6. 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
7. Heterogeneity in Transitioning from Ideal Blood Pressure over the Life Course in the US. American Heart Association EPI/Lifestyle conference, Baltimore, MD. March 2015
8. 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
9. 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

**Publications:**

**Peer Reviewed Publications:**

**Under review**

1. Jaeger B, Sakhuja S, **Hardy ST**, Oluwasegun AP, Bundy JD, Muntner P, and Whelton PK. Predicted cardiovascular risk for U.S. adults with diabetes, chronic kidney disease, and ≥ 65 years of age (under review, Journal of Hypertension)
2. Cohen LP, Hubbard D, Jaeger BC, Poudel B, Abdalla M, Langford A, **Hardy ST**, Sims M, Muntner P, Shimbo D. Lifestyle behaviors among adults recommended for ambulatory blood pressure monitoring according to the 2017 ACC/AHA blood pressure guideline. (under review, *American Journal of Hypertension*)
3. Cunningham S\*, **Hardy ST\*,** Ng C., Kramer M., Narayan V. Contemporary Changes in Incidence of Childhood Obesity in the United States: Higher, Younger, More Severe. (under review, JAMA Pediatrics)
4. Viera AJ. Yano Y, Lin F, Simel DL, Yun J, Dave G, Von Holle A. Viera L, Shimbo D, **Hardy ST,** Donahue KE, Hinderliter AL, Voisin CE, Jonas DE. Does This Adult Patient Have Hypertension? Rational Clinical Examination Systematic Review. (In Press, invited submission, *JAMA)*

**Published**

1. **Hardy ST**, Urbina EM. Blood Pressure in Childhood and Adolescence. *American Journal of Hypertension*. 2021;34:242-249.
2. **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;4:e213917-e213917.
3. **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.
4. Colvin CL, King JB, Oparil S, Wright JT, Jr., Ogedegbe G, Mohanty A, **Hardy ST**, Huang L, Hess R, Muntner P and 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;3:e2025127-e2025127.
5. Akinyelure OP, Sakhuja 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:Hypertensionaha12015890.
6. Muntner P, **Hardy ST**, Fine LJ, Jaeger BC, Wozniak G, Levitan EB and Colantonio LD. Trends in Blood Pressure Control Among US Adults With Hypertension, 1999-2000 to 2017-2018. JAMA. 2020;324:1190-1200.
7. Smith JP, **Hardy ST,** Hale LE, & Gazmararian JA. Racial disparities and sleep among preschool aged children: a systematic review. Sleep Health: Journal of the National Sleep Foundation. 2019 Feb;5(1):49-57
8. 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 and Vaccarino V. Neighborhood poverty and hemodynamic, neuroendocrine, and immune response to acute stress among patients with coronary artery disease. Psychoneuroendocrinology. 2018;100:145-155.
9. **Hardy ST**, Avery CL, Kshirsagar AV, Zeng D, Viera AJ, Heiss G. Primary prevention of chronic kidney disease through population-based strategies for blood pressure control: The ARIC study. *Journal of clinical hypertension (Greenwich, Conn)*. 2018;20:1018-1026.
10. Engeda JC, Holliday KM, **Hardy ST**, Chakladar S, Lin DY, Talavera GA, Howard BV, Daviglus ML, Pirzada A, Schreiner PJ, Zeng D and Avery CL. Transitions from Ideal to Intermediate Cholesterol Levels may vary by Cholesterol Metric. *Scientific reports*. 2018;8:2782.
11. **Hardy ST**, Holliday KM, Chakladar S, Engeda JC, Heiss G, Allen NB, Jones, DL, Lin D, Shay CM, Zeng D and Avery CL. Heterogeneity in blood pressure transitions over the lifecourse: Age-specific emergence of gender and race/ethnic disparities in the US. *JAMA Cardiology.* 2017; 2:653-61.
12. Avery CL, Holliday KM, Chakladar S, Engeda JC, **Hardy ST**, Reis JP, Schreiner PJ, Shay CM, Daviglus ML, Heiss G, Lin DY and Zeng D. Disparities in Early Transitions to Obesity in Contemporary Multi-Ethnic U.S. Populations. *PLoS ONE*. 2016;11:e0158025
13. **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. *Journal of the American Heart Association*. 2015;4:10
14. Snyder M, Love S-A, Sorlie P, Rosamond W, Antini C, Metcalf P, **Hardy ST**, Suchindran C, Shahar E, Heiss G. Redistribution of heart failure as the cause of death: The atherosclerosis risk in communities study. *Population Health Metrics*. 2014;12:10

**Published Abstracts:**

1. 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.
2. **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*
3. **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.
4. 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.
5. **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
6. **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
7. 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.
8. **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
9. 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.
10. **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
11. **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