

## CURRICULUM VITAE

*Debbie S. Barrington, MPH, PhD*

*Fall, 2012*

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Office Address: Division of Intramural Research  
National Institute on Minority Health and Health Disparities (NIMHD)  
National Institutes of Health (NIH)  
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### EDUCATION

- 2005                    **PhD, Epidemiologic Science**  
University of Michigan School of Public Health, Ann Arbor, MI Dissertation:  
*A New Approach to the Old Problem of Black/White Differences  
in Low Birth Weight: An Examination of the Effects of  
Intergenerational Socioeconomic Position and Wealth*  
Co-Chairs: Sherman A. James and George A. Kaplan
- 2000                    **MPH, Epidemiology and Biostatistics**  
Boston University School of Public Health, Boston, MA
- 1993                    **AB, Cellular and Molecular Biology**  
Princeton University, Princeton, NJ  
Senior Thesis: *A Study in Anthropogenetics: the Genetic Differences between  
Blacks and Whites*

### PROFESSIONAL EXPERIENCE

- 2011 – Present            **Senior Research Fellow**  
Division of Intramural Research, National Institute on Minority Health and  
Health Disparities (NIMHD), and Center for Research on Genomics and Global  
Health (CRGGH), National Human Genome Research Institute (NHGRI),  
National Institutes of Health (NIH), Bethesda, MD
- 2007 – 2013            **Assistant Professor in Epidemiology**  
Columbia University, Mailman School of Public Health, New York, NY

2005 – 2007

**Robert Wood Johnson Health and Society Scholar**

Columbia University, Mailman School of Public Health. New York, NY

**TEACHING AND RESEARCH INTERESTS**

General Epidemiology	Intersectionality of Race/Ethnicity, Class, Gender & Health
Social Epidemiology	Social Determinants of Disparities in Cardiovascular Risk Factors
Lifecourse Epidemiology	Social Determinants of Disparities in Reproductive Outcomes

***Current NIH Training***

Genetic Epidemiology	Gene-Environment Interactions of Cardiovascular Risk Factors
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**RESEARCH METHODOLOGY**

Multivariate Logistic and Linear Regression	Hierarchical Linear Modeling
Analysis of Complex Sampling Surveys	Multinomial Regression
Propensity Score Methodology	Mixed modeling
Longitudinal Data Analysis	Mixed methods
Multiple Imputation	Focus Groups

Extensive Knowledge in software packages, SAS, SUDAAN and IVEware

Working Knowledge in software packages, SPSS, Stata and Nvivo

**TEACHING EXPERIENCE**

2009 – 2010

**Course Director**

*“Principles of Epidemiology I,” Department of Epidemiology, Columbia University, Mailman School of Public Health. New York, NY.*

Managed and lectured in the first level master’s level MPH Epidemiology core course consisting of 355 registered students in 2009, 450 registered students in 2010, and 25 Teaching Assistants and administrative staff each year. Edited Epiville, an on-line self-learning tool in Epidemiology for the course.  
(2 terms - Fall)

2009

**Lecturer**

*“Social Determinants of Perinatal Health Outcomes,” Perinatal Epidemiology, Department of Epidemiology, Columbia University, Mailman School of Public Health. New York, NY.*

Designed and taught a 2 hour lecture for 18 master’s level students.  
(1 term – Spring)



## **FELLOWSHIPS, HONORS & AWARDS**

- 2008 – 2013 Professional Schools Diversity Research Fellow, Columbia University
- 2010 Fellow, Workshop on African-American Aging, Michigan Center for Urban African-American Aging Research, Institute for Social Research, University of Michigan
- 2008 – 2010 Principle Investigator, U.S. Department of Health and Human Services Administration for Children and Families and the Mathematica Policy Research Project, Marriage and Health in the African American Community, *“The Increasing Protection of Marriage on Infant Low Birth Weight Across Two Generations of African American Women.”* [\$10,000]
- 2006 – 2008 Health Disparities Research Scholar, National Institutes of Health
- 2006 Scholar, EXPORT Summer Research Career Development Institute, University of Pittsburgh Graduate School of Public Health, Center for Minority Health
- 2002 – 2005 National Institutes of Health/National Institute for Child Health and Human Development Minority Supplement Research Award – Center for Social Epidemiology and Population Health, University of Michigan School of Public Health.
- 2004 Outstanding Student Paper in Maternal and Child Health, 132<sup>nd</sup> Annual Meeting of the American Public Health Association
- 2000 – 2005 Horace H. Rackham School of Graduate Studies Merit Fellowship, University of Michigan.
- 2000 – 2002 NIH Training Grant for Promoting Ethnic Diversity in Public Health Training – Center for Research in Ethnicity, Culture and Health, University of Michigan School of Public Health.
- 2000 Dr. Herb Kayne Prize for Excellence in Epidemiology and Biostatistics, Boston University School of Public Health.
- 2000 Delta Omega Public Health Honor Society, Boston University School of Public Health.
- 1998 – 2000 Boston University Admissions Committee Fellowship, Boston University School of Public Health.

## RESEARCH GRANTS

- 2011 – Present      Principal Investigator, National Institute on Minority Health and Health Disparities (NIMHD) Career Transition Award (K22)  
*Dynamic Interplay of Socioeconomic Position, Perinatal Outcomes, and Cardiovascular Health across the Lifecourse* [K22MD006133]
- 2008 – 2013      Principal Investigator, Columbia University Office of the Vice-Provost for Diversity Initiatives Grant  
*The Reproductive Health Consequences of Segmented Assimilation: A multilevel analysis of low birth weight and neighborhood context among immigrant and US-born black women* [\$12,500]
- 2006 – 2008      Principal Investigator, Robert Wood Johnson Foundation Health and Society Seed Grant  
*Nativity Status and Other Social Correlates of Black Women's Reproductive Health: The West Indian and African American Mothers and Daughters Pilot Study* [\$15,000]

## PUBLICATIONS

### *Peer Reviewed*

Wellons MF, Fujimoto VY, Baker VL, **Barrington DS**, Broomfield D, Catherino WH, Richard-Davis G, Ryan, M, Thornton K, Armstrong, AY (2012). Race Matters: a systematic review of racial/ethnic disparity in Society for Assisted Reproductive Technology reported outcomes. *Fertility and Sterility*, 98 (2):406-409.

**Barrington DS** (2010). The Increasing Protection of Marriage on Infant Low Birth Weight across two Generations of African-American Women. *Journal of Family Issues*, 31 (8): 1041-1064.

**Barrington DS**, Baquero MC, Borrell LN, and Crawford ND (2010). Racial/ethnic disparities in obesity among US-born and foreign-born adults by sex and education. *Obesity*, 18 (2): 422-424.

Borrell LN, Crawford ND, **Barrington DS**, and Maglo KN (2008). Black/white disparity in self-reported hypertension: the role of nativity status. *J Health Care Poor Underserved*, 19 (4): 1148-1162.

### *Under Review*

**Barrington DS**, Adeyemo AA and Rotimi CN (2012). Childhood Family Living Arrangements and Blood Pressure in African American Men: The Howard University Family Study.

## *Book Chapters*

**Barrington DS** (2009). The Metaphor of the miner's canary and black-white disparities in health: a review of intergenerational socioeconomic factors and perinatal outcomes. In S.J. Babones (Ed.), *Social Inequality and Public Health*. Bristol: The Policy Press.

## **PUBLISHED ABSTRACTS AND INVITED PRESENTATIONS**

Barrington, DS, Adeyemo, AA and Rotimi CN. "The Protective Effect of Nativity Status on Hypertension among Black Americans in Metropolitan Washington DC." Poster Presentation at the 2012 Science of Eliminating Health Disparities Summit, Washington DC, December 2012.

Barrington, DS. "Health Equity Research of Cardiovascular Risk Factors in the 'Omics Era." Oral Presentation at the Health Equity Seminar Series, University of Michigan, Ann Arbor, March 2012.

Saldana, N and Barrington, DS. "Prevalence of Sleep Disorders and Sleep Apnea among US Hispanic adults, 2005 – 2008." Poster Presentation at the 14<sup>th</sup> National Conference of the National Hispanic Medical Association, Washington DC, March 2010.

Barrington, DS. "The Increasing Protection of Marriage on Infant Low Birth Weight across two Generations of African-American Women." Oral Presentation at the Marriage and Health Symposium, Department of Health and Human Services, Washington, DC, March 2010.

Barrington, DS. "Racial Disparities in Health: The Increasing Protection of Marriage on Infant Low Birth Weight across two Generations of African-American Women." Oral Presentation at Institute for Social Research, University of Michigan, Ann Arbor, October 2009.

Barrington, DS. "Intergenerational Influences on Black-White Disparities in Infant Low Birth Weight." Oral Presentation at National Institute of Child Health and Development (NICHD) Health Disparities Seminar Series, Bethesda, MD, June 2009.

Barrington, DS. "African American Marriage and Health: The Increasing Protection of Marriage on Infant Low Birth Weight across two Generations of African-American Women." Paper Presentation at the African American Healthy Marriage Initiative Research to Practice Conference: The Black Family in the 21<sup>st</sup> Century, Chapel Hill, NC, June 2009.

Barrington, DS. "The Increasing Protection of Marriage on Infant Low Birth Weight across two Generations of African-American Women." Oral Presentation at the Office of Minority Health Third National Leadership Summit on Eliminating Racial and Ethnic Disparities in Health, National Harbor, MD, February 2009.

Barrington, DS, Baquero MC, Borrell LN, and Crawford ND. "Overweight and obesity among racially/ethnic diverse foreign-born and US-born adults: The role of education and sex." Poster Presentation at the 136<sup>th</sup> Annual Meeting of the American Public Health Association, San Diego, CA, November 2008.

Barrington, DS. "The Metaphor of the Miner's Canary and its Research Implications for Black-White Disparities in Perinatal Health Outcomes." Paper Presentation at the Pittsburgh International Conference on Inequality, Health and Society, Pittsburgh, PA, May 2006.

Barrington, DS. "Intergenerational relationships between socioeconomic factors and low birth weight among African American and white women." Paper Presentation at the 3<sup>rd</sup> Outstanding Student Papers in Maternal and Child Health, 132<sup>nd</sup> Annual Meeting of the American Public Health Association, Washington, DC, November 2004.

Barrington, DS. "Intergenerational relationships between socioeconomic factors and low birth weight among African American and white women." Poster Presentation at the 17<sup>th</sup> Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research. Salt Lake City, UT, June, 2004.

Barrington, DS. "A new approach to understanding black-white differences in infant low birth weight: Part I: The potential contribution of intergenerational socioeconomic position." Oral Presentation at the Epidemiology Departmental Seminar, University of Michigan, Ann Arbor, MI, March, 2004.

Barrington, DS. "Social determinants of low birth weight across two generations of African-American and white women." Oral Presentation at the Epidemiology Late Breaker Session, 131<sup>st</sup> Annual Meeting of the American Public Health Association. San Francisco, CA, November, 2003.

### **PROFESSIONAL MEMBERSHIPS**

Society for Pediatric and Perinatal Epidemiologic Research  
Society for Epidemiologic Research  
American College of Epidemiology  
American Public Health Association

### **JOURNAL PEER REVIEW**

American Journal of Epidemiology  
American Journal of Public Health  
Journal of Urban Health

Social Science and Medicine  
Sociological Quarterly  
Women's Health Issues

### **PROFESSIONAL/UNIVERSITY SERVICE**

*Committee Member.* Adhoc General Exam Committee, Department of Epidemiology, Columbia University Mailman School of Public Health, March 2009 – June 2009.

*Committee Member.* Diversity Committee, Department of Epidemiology, Columbia University Mailman School of Public Health, September 2008 – August 2009.

*Co-coordinator.* Working Group in African-American History and the Health and Social Sciences (AAHHSS), Columbia University, October 2006 – August 2008.

*Committee Member.* Search Committee for Faculty Candidates in Social Epidemiology, Department of Epidemiology, University of Michigan School of Public Health, September 2004 – May 2005.

*Student Representative.* Governing Faculty, Department of Epidemiology, University of Michigan School of Public Health, September 2003 – May 2004.

*Reviewer.* Poster Presentation of the Black Young Professionals Public Health Network at the 131<sup>st</sup> Annual American Public Health Conference. San Francisco, CA, August, 2003.

*Moderator.* Panel Discussion on Children and Families in Communities of Color. 12<sup>th</sup> Annual Students of Color of Rackham Graduate and Professional Student Conference, University of Michigan. Ann Arbor, MI, February 2002.

*Student Representative.* Strategic Plan Committee, Curriculum Committee, DrPH Planning Committee, Recruitment of Minority Faculty Committee, Boston University School of Public Health, January 1999 – December 1999.

*Co-chair.* Multicultural Caucus, Boston University School of Public Health, September 1998 – January 2000.

### **OTHER PROFESSIONAL PRESENTATIONS, WORKING GROUPS AND LECTURES**

*Working Group Participant.* Pregnancy and Cardiovascular Disease, Moving to the Future – New Dimensions and Strategies for Women's Health, Emory School of Medicine, Atlanta, GA, February 2010.



*Working Group Participant.* Making Connections: Effects of Marriage and the Couple Relationship on the Health of Infants, Adolescents & Older Adults, Johnson Foundation's, Wingspread Conference Center, Racine, WI, October 2008.

*Presenter.* Michigan Bridge to the Doctoral Program, School of Public Health and Rackham School for Graduate Studies, University of Michigan, Ann Arbor, MI, July 2003 and July 2004.

*Presenter.* Ruth Mott Health Explorers Program, Roundtable Session, School of Public Health, University of Michigan, Ann Arbor, MI, February, 2004.

*Presenter.* Michigan Health Sciences Scholars Program, College of Literature, Science and the Arts, University of Michigan, Ann Arbor, MI, September, 2003.

*Presenter.* "If I knew then what I know now... Lessons learned during our years in graduate school." Panel Presentation at the 5<sup>th</sup> Annual Rackham Visitation Program, University of Michigan, Ann Arbor, MI, November 2002.