

## **IRENE E. HEADEN, PhD, MS**

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### **Education**

- 2015 PhD **University of California Berkeley**, Division of Epidemiology
- 2013 MS **University of California Berkeley**, Division of Epidemiology
- 2008 BS **Massachusetts Institute of Technology**, Brain and Cognitive Science

### **Research Experience**

- 2019-** Assistant Professor, Department of Community Health and Prevention, Drexel University Dornsife School of Public Health, Philadelphia, PA
- 2017-2019** Postdoctoral Fellow, Drexel University, Urban Health Collaborative, Dornsife School of Public Health, Philadelphia, PA; “West Philadelphia Promise Neighborhood”; (PI: Lucy Kerman; Supervisors: Amy Carroll-Scott, PhD MPH, Félice Lê-Scherban, PhD MPH); “Pediatric Big Data: Implications for pediatric asthma, childhood obesity and avoidable hospitalization (PI: Ana Diez Roux, MD PhD MPH; Supervisor: Félice Lê-Scherban, PhD MPH)
- 2015-2017** Postdoctoral Fellow, University of California Berkeley, Center of Excellence in Maternal and Child Health, Division of Community Health Sciences, Berkeley, CA; “Understanding Supportive Neighborhood Environments for Pregnancy” (PI: Barbara Laraia, PhD)
- 2011-2015** Graduate Student Researcher, University of California Berkeley, Division of Epidemiology, School of Public Health, Berkeley, CA; “Intergenerational Obesity: Does early adversity and pregnancy explain disparities?” Study (PI: Barbara Abrams, DrPH)

- 2012-2013** Summer Associate and Adjunct Researcher, RAND Corporation, Pittsburgh, PA; “Neighborhood socioeconomic status and cardiovascular mortality” Study (Co-I: Tamara Dubowitz, ScD SM and Chloe Bird, PhD)
- 2011** Graduate Student Researcher, University of California Berkeley, School of Public Health, Berkeley, CA; Partnership for Community Health (PACT|UNIDOS; PI: Len Syme, PhD, Co-I: Constance Wang, PhD)
- 2008-2010** Research Assistant, Urban Institute, Health Policy Center, Washington, DC; The Health Insurance Policy Simulation Model (PI: Bowen Garrett, PhD)

### **Research Support**

- 2019- AccessMatters Pennsylvania Perinatal Partnership Breastfeeding Community Grant  
Title: *Expanding and Integrating Peer Breastfeeding Support within the Newborns & Neighbors Community-Driven, In-Home Postpartum Peer Support Worker Pilot*  
Role: Co-Investigator  
Amount: 14,912
- 2017-2018 UC Berkeley Population Center Pilot Grant  
Title: *Adolescent residential mobility and racial disparities in cardiovascular health after transition into adulthood*  
Role: Co-Investigator  
Amount: \$16,200

### **Peer Reviewed Publications**

1. **Headen I**, Laraia B, Coleman-Phox K, Vieten C, Adler N, Epel E. Neighborhood Typology and Cardiometabolic Pregnancy Outcomes in the Maternal Adiposity Metabolism and Stress (MAMAS) Study. *Obesity*. 2019;27:166-173.
2. **Headen I**, Mujahid M, Deardorff J, Rehkopf D, Abrams B. Associations between cumulative neighborhood deprivation, long-term mobility trajectories, and gestational weight gain. *Health and Place*. 2018;52:101-109.
3. Obasogie OK, **Headen I**, Mujahid MS. Race, Law, and Health Disparities: Towards a Critical Race Intervention. *Annual Review of Law and Social Science*. 2017;13(1):313-329.
4. Abrams B, Coyle J, Cohen AK, **Headen I**, Ritchie L, Rehkopf D. Preventing excessive gestational weight gain could reduce maternal obesity at age 40: An

analysis of a nationally representative sample. *Am J Public Health*. 2017; 107(9):1463-1469.

5. **Headen I**, Cohen AK, Mujahid M, Abrams B. The accuracy of self-reported, pregnancy-related weight: A Systematic Review. *Obesity Reviews*. 2017;18(3):350-369.
6. Rehkopf D, **Headen I**, Hubbard A, Deardorff J, Kesavan Y, Cohen AK, Patil D, Ritchie L, Abrams B. Adverse childhood experiences and later life adult obesity and smoking in the United States. *Ann Epidemiol*. 2016;26(7): 488-92.e5.
7. Cohen AK, Kazi C, **Headen I**, Rehkopf DH, Hendrick E, Patil D, Abrams B. Educational attainment and gestational weight gain among US mothers. *Women's Health Issues*. 2016;26(4):460-467.
8. Ranchod Y, **Headen I**, Petitio LC, Deardorff JK, Rehkopf DH, Abrams BF. Maternal childhood adversity, prepregnancy obesity and gestational weight gain. *Am J Prev Med*. 2016;50(4):463-9.
9. **Headen I**, Mujahid MS, Cohen AK, Rehkopf DH, Abrams B. Racial/Ethnic Disparities in Inadequate Gestational Weight Gain Differ by Pre-pregnancy Weight. *Maternal and Child Health Journal*. 2015. 19(8):1672-86.
10. **Headen I**, Davis EM, Mujahid MS, Abrams BA. Racial-Ethnic Differences in Pregnancy-Related Weight. *Advances in Nutrition*. 2012 Jan;3(1)83-94.

### **Papers in Preparation**

**Headen I**, Kersten E, Yen I. Housing and Preconception Health: Associations between public housing renovation and health indicators among women of reproductive age.

**Headen I**, Brown E, Mujahid M, Laraia B. Does residential mobility in adolescence explain racial differences in timing of first pregnancy?: Explanations from the National Growth and Health Study.

### **Conference Presentations**

**Headen I**. "The role of cumulative perinatal risk in racial/ethnic in childhood obesity." Oral Presentation in Special Session: Using Electronic Health Record Data Linkage to Promote Health Equity at the 147<sup>th</sup> Annual Meeting of the American Public Health Association. Philadelphia, PA. November 2-6, 2019.

**Headen I**. "Systems Science to Inform Data (Creation) for Black Life." Panelist Contributor for Breakout Session I-Evidence Gathering-Going beyond describing the problems to identifying what works to accelerate progress for achieving health equity at the Council on Black Health: Forging the 2020 Agenda for Black Health: Translating Evidence into Action National Workshop. August 7-9, 2019

**Headen I.** “Data Linkage for Health Equity: Integrating Data to Better Understand Perinatal Risk and Racial/Ethnic Disparities in Childhood Obesity.” Flash Presentation at the Rising Starts in Health Sciences: A Symposium for Underrepresented Minority Scholars. Bloomington, IN. July 16-18, 2019

Le-Scherban F, **Headen I**, Carroll-Scott A. “West Philadelphia Promise Neighborhood: Multisectoral Data Integration to Promote Child and Family Well-being.” Poster presentation at the Interdisciplinary Association for Population Health Science. Washington, DC. October 3-5, 2018

Perera RC\*, Brown EM, Laraia BA, Mujahid M, **Headen I.** “Associations between residential mobility and stress by age and race.” Poster presentation at the 12<sup>th</sup> Annual UCSF Health Disparities Research Symposium. San Francisco, CA. October 12, 2018

**Headen I**, Laraia B. “Impact of neighborhood context on a stress-reduction intervention to improve weight-related pregnancy outcomes among high-risk pregnant women in the Maternal Adiposity Metabolism and Stress (MAMAS) study.” Poster presentation at the 30th Annual Meeting of Society for Pediatric and Perinatal Epidemiologic Research. Seattle, WA. June 19-20, 2017

**Headen I**, Laraia B. “Understanding Supportive Neighborhood Environments for Pregnancy: An application of Latent Class Analysis.” Poster and short oral presentation at the 29th Annual Meeting of Society for Pediatric and Perinatal Epidemiologic Research. Miami, FL. June 20-21, 2016

**Headen I**, Laraia B. “Understanding Supportive Neighborhood Environments for Pregnancy: An application of Latent Class Analysis.” Poster presentation at UC Berkeley MCH Interdisciplinary Research Symposium. Berkeley, CA. March 15, 2016.

**Headen I**, Mujahid M, Abrams B. “Positive associations between in cumulative neighborhood deprivation and excessive gestational weight gain.” Poster presentation at the 28th Annual Meeting of the Society for Pediatric and Perinatal Epidemiologic Research. Denver, CO. June 15-16, 2015.

**Headen I.** “Racial Disparities in Gestational Weight Gain Modified by Pre-pregnancy Weight Status.” Oral presentation at 140th Annual Meeting of the American Public Health Association. San Francisco, CA. October 27-31, 2012.

\*Denotes presentation by student advisee.

### **Invited Talks and Lectures**

**Headen I.** “Pregnancy, Place, and Theory: A Social Epidemiologic Perspective.” Guest Lecture for Sociology of Health and Illness (SOC235). Department of Sociology at Drexel University. Philadelphia, PA. January 22, 2019.

**Headen I.** "Place, Health, and the Life Course: The Intergenerational Importance of Neighborhoods." Guest Lecture for Introduction to Public Health (NS 1600). Division of Nutritional Sciences at Cornell University. Ithaca, NY. September 17, 2018.

**Headen I.** "Is Long-term Neighborhood Environment Associated with Weight Gain During Pregnancy?" Guest talk for Introduction to Epidemiology (HED 420). Division of Health Education at San Francisco State University. San Francisco, CA. May 3, 2017.

**Headen I.** "Systematic Reviews in Public Health." Guest Lecture for Nutritional Epidemiology. Division of Public Health Nutrition at University of California, Berkeley. Berkeley, CA. March 7, 2017.

**Headen I.** "Is Long-term Neighborhood Environment Associated with Weight Gain During Pregnancy?" Guest talk for Introduction to Epidemiology (HED 420). Division of Health Education at San Francisco State University. San Francisco, CA. November 2, 2016.

## **Teaching Experience**

### **Drexel University**

2019 Co-Instructor  
Introduction to Community Based System Dynamics, Short course in Drexel Urban Health Collaborative Summer Institute. June 24-28

### **University of California Berkeley**

#### **Graduate Courses**

2012 Graduate Student Instructor  
Introduction to Epidemiologic Methods I (Public Health 250A)

#### **Undergraduate Courses**

2011, 2014-2015 Graduate Student Instructor  
Introduction to Epidemiologic Methods and Scientific Writing, UC-HBCU Summer Research Program and Health Careers Opportunity Program

## **Awards, Honors, and Fellowships**

- 2015-2017** Postdoctoral Fellowship in Maternal and Child Health Epidemiology, Health Resources and Services Administration Maternal and Child Health Bureau
- 2014-2015** University of California Dissertation Year Fellowship, University of California Office of the President
- 2014-2015** Susan Kersch DeYoung Memorial Fellowship, University of California Berkeley School of Public Health
- 2013-2014** Wallace Lowe Fellowship, University of California Berkeley, School of Public Health
- 2012** Maternal and Child Health Section Outstanding Student Author, American Public Health Association
- 2010-2012** Chancellor's Fellowship for Graduate Study, University of California Berkeley

### **Additional Training and Professional Development**

- 2019** Systems Science for Social Impact Summer Training Institute, Brown School of Social Work at Washington University in St. Louis, July 29-August 2, St. Louis, MO (Reviewed and competitive selection)
- 2019** Rising Stars in Health Sciences: A Symposium for Underrepresented Minority Scholars, July 16-18, Indiana University-Bloomington, Bloomington, IN (Invitation to participate)
- 2017** ICPSR Summer Program in Quantitative Methods of Social Research, "Regression Analysis for Spatial Data", July 17-21, Boulder, CO
- 2016** Robert Wood Johnson New Connections Research and Coaching Clinic Participant, Denver, CO (Reviewed and competitive selection)
- 2016** 9<sup>th</sup> Annual Black Europe Summer School, "Interrogating Citizenship Race and Ethnic Relations," Amsterdam, The Netherlands (Reviewed and competitive selection)

### **Professional Service**

**Professional Memberships:**

Society for Epidemiologic Research (SER)  
Society for Pediatric and Perinatal Epidemiologic Research (SPER)  
Society for the Analysis of African-American Health Issues (SAAPHI)

**Journal Reviews:**

*American Journal of Clinical Nutrition*  
*American Journal of Preventive Medicine*  
*Maternal and Child Health Journal*  
*Women's Health Issues*  
*Environmental Health Perspectives*  
*Diabetes, Obesity, and Metabolism*  
*Obesity Reviews*  
*Health & Place*

**Other Professional Service:**

2018 Member, Postdoctoral Association Executive Board and National  
Postdoctoral Appreciation Week Planning committee, Drexel University

2017-2019 Lead Organizer for Postdoc Peer Mentoring Group, Drexel University,  
Dornsife School of Public Health

**Other Service:**

2019 Co-Facilitator, System Dynamics Workshop (Google Sponsored), Data for  
Black Lives Conference II at the MIT Media Lab, Cambridge, MA. January  
11-13, 2019.

**References**

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Associate Professor of Community Health & Prevention  
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