

## **Dana M. Alhasan, Ph.D., M.P.H.**

111 TW Alexander Drive, Building 101, Room A355  
Research Triangle Park, NC 27709

[dana.alhasan@nih.gov](mailto:dana.alhasan@nih.gov)

(984) 287- 4128

### **Research Interests**

- Investigate how differences in the social and physical environment contribute to racial/ethnic and socioeconomic disparities in sleep, dementia, and cardiovascular disease

### **Education**

2020	Ph.D.	Epidemiology	University of South Carolina Columbia, SC
2014	M.P.H.	Epidemiology	University of Texas Health Science Center, School of Public Health Austin, TX
2012	B.A.	Biology Concentration: Social Inequality, Health and Policy	University of Texas at Austin Austin, TX

### **Postdoctoral Training**

4/2020 to present

#### **Intramural Research Training Award Fellow**

Epidemiology Branch, National Institute of Environmental Health Sciences (NIEHS), National Institutes of Health, Department of Health and Human Services, Research Triangle Park, NC

Principal Investigator: Dr. Chandra L. Jackson, Ph.D., M.S.,  
Earl Stadtman Investigator, NIEHS

- Investigating social and environmental determinants of racial/ethnic and socioeconomic disparities in health behaviors and cardiometabolic health outcomes

## **Research Experience**

- 8/2017 to 8/2018      **Graduate Research Assistant**  
Division of Surveillance, Department of Health and Environmental Control  
Columbia, SC
- Used large surveillance datasets (e.g., BRFSS) to create tables, graphs, and fact sheets regarding health outcomes in SC
- 8/2016 to 5/2017      **Graduate Research Assistant**  
Department of Epidemiology, University of South Carolina  
Columbia, SC
- Tested for spatial autocorrelation and other spatial relationships of dementia prevalence and incidence
- 1/2015 to 12/2015      **Graduate Research Assistant**  
Office of Program Evaluations, Department of Health and Environmental Control, Columbia, SC
- Collected and analyzed qualitative data regarding active community environments among communities
- 6/2013 to 11/2013      **Research Assistant**  
Royal College of Surgeons in Ireland-Medical University of Bahrain  
Manama, Bahrain
- Completed a SWOT (Strengths, Weakness, Opportunity & Threat) analysis to suggest implementation of mobile health in Bahrain

## **Outreach and Additional Experience**

- 1/2017-8/2017      **Consulting Practicum**  
Palmetto Cycling Coalition  
Columbia, SC
- Calculated excess number of bicycle crashes by race per county and wrote a white paper describing current trends
  - Aggregated bicycle crash data to census tract and analyzed risk factors contributing to racial disparities in crashes
- 1/2014-6/2014      **Data Collector**  
Texas Childhood Obesity Research Demonstration Project  
University of Texas School of Public Health
- Measured and recorded anthropometric data among participants

10/2012 to 5/2013      **Graduate Assistant**  
 Alcohol Peer Education Program, University of Texas at Austin  
 Austin, TX

- Created and reviewed pre, post and follow-up tests to evaluate effectiveness of alcohol-sanction class
- Trained peer educators in creating a safe space for students, presenting sensitive information, and leading workshops around issues surrounding alcohol use

1/2012-5/2012      **Intellectual Entrepreneurship**  
 University of Texas at Austin

- Conducted personal research project regarding the high prevalence of diabetes in developing countries

**Honors and Awards**

2017	<b>Graduate Scholar in Aging</b>	Arnold School of Public Health, University of South Carolina	Offered \$1,000 in travel funds to attend a research conference
2017	<b>Alzheimer’s Disease and Public Health Scholarship for Graduate Students</b>	Alzheimer’s Association	Offered \$1,000 towards research supplies
2017	<b>Lavender Graduation</b>	University of South Carolina	Awarded for leading workshops regarding intersectionality and social justice
2017	<b>Outstanding Achievement and Student Triumph</b>	University of South Carolina	Awarded for lobbying local legislatures to protect free speech
2016	<b>Best Position Paper</b>	Mock World Health Organization, University of North Carolina Chapel Hill	Awarded for writing most-researched paper on health in Bahrain

2016

**Delta Omega Student  
Poster Competition**

Delta Omega National  
Council

Awarded to present  
research at the  
National American  
Public Health  
Association  
Conference

### **Peer-reviewed Publications**

#### **Original Research**

1. **Alhasan DM**, Brenneman CB, Lynes CL, and Callahan K. (2018). Factors that influence parental misperception of their child's actual weight status in South Carolina. *Maternal and Child Health Journal*.
2. **Alhasan DM** and Eberth JM. (2016). An ecological analysis of food outlet density and prevalence of type II diabetes in South Carolina Counties. *BMC Public Health*.
3. Resciniti NV, Tang W, Tabassum M, Pearson JL, Spencer SM, Lohman MC, Ehlers DK, **Al-Hasan D**, Miller MC, Teixeira A, Friedman DB (2020). Knowledge evaluation instruments for dementia caregiver education programs: A scoping review. *Geriatrics & Gerontology International*.

#### **Technical Report**

1. J Devlin, A Broadway, **D Alhasan**, C Lynes, and S McDermott. 2018. Disability and Health in South Carolina A 2016 Behavioral Risk Factor Surveillance System Report. Columbia, SC: South Carolina Department of Health and Environmental Control, Bureau of Health Improvement and Equity, Division of Surveillance. Available at: [http://www.scdhec.gov/library/CR-010034\\_2016.pdf](http://www.scdhec.gov/library/CR-010034_2016.pdf).

#### **Class Lectures**

Cross Sectional and Ecologic Study Designs. Department of Epidemiology and Biostatistics, University of South Carolina, Columbia, South Carolina, November, 2016.

Public Health Policy. Department of Epidemiology and Biostatistics, University of South Carolina, Columbia, South Carolina, October, 2016.

Chronic Disease Epidemiology. Department of Epidemiology and Biostatistics, University of South Carolina, Columbia, South Carolina, October, 2016.

Food Environment and Chronic Diseases. Department of Health Behavior and Promotion, University of South Carolina, Columbia, South Carolina, March, 2016.

Limitations in Ecological Analyses: An Example. Department of Epidemiology and Biostatistics, University of South Carolina, Columbia, South Carolina, November, 2016.

### **Oral Presentations**

*Presenter.* Maternal Healthcare Needs Identified in South Carolina: A Qualitative Analysis of the 2015 Pregnancy Risk Assessment Monitoring System. CityMatCH Leadership and MCH Epidemiology Conference, Portland, Oregon, September, 2018.

### **Poster Presentations**

**Alhasan DM**, Lohman MC, Hirsch JA, Miller MM, and Cai B (November, 2019). *Neighborhood Characteristics and Dementia Incidence*. Poster presented at Gerontological Society of Aging, Austin TX.

**Alhasan DM**, Lynes CL, Miller MC, Sulkowski BM, and Davis HT (November, 2018). *Differences between dementia, cancer and other caregivers in South Carolina*. Poster presented at Women's Health Forum, University of South Carolina, Columbia, SC.

Leedom O, Smiley M, **Alhasan DM**, Davis HT, Jenkins K, Zielke K and Harris M (November 2018). *Racial Disparities in Care and Outcomes of Neural Tube Defects in South Carolina*. Poster presented at Women's Health Forum, University of South Carolina, Columbia, SC.

Leedom O, Smiley M, **Alhasan DM**, Davis HT, Jenkins K, Zielke K and Harris M (November 2018). *Disparities in Prevalence of Neural Tube Defects: Evidence from South Carolina's Active Surveillance Program*. Poster presented at Women's Health Forum, University of South Carolina, Columbia, SC.

**Alhasan DM**, Miller MC, Rahimi G, and Hirsch JA (April, 2017). *Spatial distribution of Alzheimer's disease prevalence in South Carolina counties*. Poster presented at Aging Research Day, University of South Carolina, Columbia, SC.

**Alhasan DM**, Miller MC, Rahimi G, and Hirsch JA (November, 2017). *Prevalence of Alzheimer's Disease by sex and age in South Carolina counties*. Poster presented at Women's Health Forum, University of South Carolina, Columbia, SC.

**Alhasan DM**, Brenneman CB, Lynes CL, and Callahan K (October, 2016; April, 2016). *Factors that influence parental misperception of child's weight status in South Carolina*. Poster presented at American Public Health Association Conference, Denver, Colorado; Graduate Student Day, University of South Carolina, Columbia, SC.

**Alhasan DM**, Callahan K, and Eberth JM (April, 2016; September, 2015). *An ecological analysis of food outlet density and prevalence of type II diabetes in South Carolina counties*. Poster presented at James Clyburn Health Disparities Lecture, University of South Carolina; Diabetes Symposium, Charleston, South Carolina.

Callahan K, **Alhasan DM**, and Heidari K (September 2015). *Childhood diabetes in South Carolina: past, present and future*. Poster presented at Diabetes Symposium, Charleston, SC.

**Alhasan DM**, and Cavanagh S (May 2012). *Double burden of disease: Growing prevalence of type II diabetes in developing countries*. Poster presented at University of Texas at Austin, Austin, TX.

### **Teaching Experience**

Spring 2016 & 2017

#### **Teaching Assistant**

Course: Epidemiologic Methods, Department of Epidemiology and Biostatistics, University of South Carolina, Columbia, SC

- Assisted teaching of MPH & doctoral epidemiology required course
  - Prepared lab material and led biweekly discussions
  - Assisted with developing exam questions
  - Evaluated homework assignments and final projects

Summer 2016 & 2017

#### **Teaching Assistant**

Course: Introduction to Epidemiology, Department of Epidemiology and Biostatistics, University of South Carolina, Columbia, SC

- Assisted teaching of introductory course to MPH students
  - Reviewed weekly discussion boards to assist student engagement
  - Maintained course website on Blackboard
  - Held weekly office hours

Fall 2014 & 2018

Spring-Summer 2019

#### **Teaching Assistant**

Course: Principles of Epidemiology, Department of Epidemiology and Biostatistics, University of South Carolina, Columbia, SC

- Assisted teaching of introductory course to ≥100 students
  - Conducted weekly lab sessions
  - Developed eleven homework assignments and three exams
  - Communicated with students and dealt with issues in conjunction with instructor

## **Programming and Analytic Skills**

- Statistical packages: SAS (expert); Stata (intermediate); ArcGIS (intermediate); R (beginner)

## **Professional and Committee Memberships**

2017-2019	Curriculum Committee Division of Epidemiology, University of South Carolina	Student Member
	Office for the Study of Aging, Arnold School of Public Health, University of South Carolina	Student Member
2016-2019	Palestine Health Justice Working Group, American Public Health Association	Member

## **Professional Service**

### ***Ad-hoc Journal Reviewer***

2017-present Alzheimer's Association Journal

### ***Abstract Reviewer***

2017 American Public Health Association

2016-2018 Discover UofSC, University of South Carolina  
Reviewed oral and poster presentations for undergraduate

## **Community Service**

2016-2019	Mentor  University of South Carolina Columbia, SC	Helped international, graduate students from the Middle East transition to the graduate student life
2017-2018	Student/Faculty Journal Club  University of South Carolina Columbia, SC	Established and coordinated monthly journal club for students and faculty in the Department of Epidemiology and Biostatistics

2017-2018	Student Research Seminar University of South Carolina Columbia, SC	Established and coordinated monthly research seminar for graduate students in Epidemiology
November, 2017	Panelist for International Students Teaching Assistant  University of South Carolina Columbia, SC	Served as panelist for incoming international teaching assistant students
August, 2017	Panelist for Teaching Assistants  University of South Carolina Columbia, SC	Served as panelist for incoming teaching assistant students
October, 2017	Panelist for Seminar on Immigration  Structural Racism Impact on Women of Color Charlotte, NC	Served as panelist for incoming international teaching assistant students
October, 2016	Bahrain Delegate  Mock World Health Organization University of North Carolina Chapel Hill Chapel Hill, NC	Represented a WHO ambassador to debate universal health coverage