

Cassie Lewis Odahowski, MPH

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Education

- PhD
Candidate University of South Carolina Arnold School of Public Health,
Epidemiology
Expected May 2019
Advisor: Jan Marie Eberth, PhD
- MPH Tulane University School of Public Health and Tropical Medicine
Epidemiology
December 2010
Advisor: Jeanette Gustat, PhD
- BS Florida State University
Biological Sciences
May 2009

Research Interests

- Cancer and social epidemiology
- Advancement of cancer screening and treatment options
- Identification and improvement of health disparities among rural populations

Research and Work Experience

- **Cancer Prevention and Control Program, University of South Carolina, *Graduate Research Assistant***
January 2016-Present
 - Assisted a team of researchers in examining the multilevel and systemic determinants of cancer prevention and control activities
- **South Carolina Office of Rural Health, *Research Consultant***
June 2016-Present
 - Produced epidemiologic report on health related statistics for residents of rural South Carolina
 - Compiled county-level statistics and implemented ArcGIS mapping software in order to identify areas of need among rural SC counties
 - Conducted state-wide rural health focus groups collecting feedback from community members regarding outcomes of the plan
 - Supported SCORH staff with the writing, development, and execution of the of South Carolina State Rural Health Action Plan
- **Lake Nona Life Project, *Project Coordinator***
March 2015-August 2015
 - Assisted in planning and coordination of community outreach activities
 - Managed on site team of research assistants
 - Supported team biostatistician in data management process
 - Reviewed and revised publicly facing recruitment materials
 - Promoted project and enrolled new study participants

- **Kid Risk, Inc., *Research Associate***
August 2012-September 2014
 - Characterized the globally coordinated management of measles and rubella with projects focusing on global seroprevalence of measles and rubella, mathematical modelling of measles and rubella transmission, and the cost-effectiveness of measles and rubella prevention through immunization

- **Sumter County Health Department, Florida, *Environmental Epidemiologist***
June 2011-August 2012
 - Investigated and reported cases of local communicable diseases and conditions, compiled and distributed reports on county infectious disease data
 - Organized and published Sumter County Health Department quarterly newsletter
 - Served as member of Sumter CHD Accreditation Task Force
 - Sat on Sumter Health and Wellness Advisory Committee
 - Functioned as county influenza coordinator and project coordinator for Swim Safe Sumter drowning prevention program
 - Frequently presented information on Sumter CHD programs and statistics in community organization meetings

- **Volusia County Health Department, Florida, *Epidemiologist***
March 2011-June 2011
 - Investigated reportable disease and conditions and compiled statistical reports on county infectious disease data
 - Assisted in public health preparedness and county health department accreditation tasks

- **Volusia County Health Department, Florida, *Epidemiology Intern***
May 2010-August 2010
 - Reviewed medical records and created surveys on causes of infectious disease outcomes
 - Collected and analysed data on various health statuses for the county health department in order to adjust education, vaccination, and medical care campaigns with primary projects focused on salmonellosis and pertussis

- **Tulane Prevention Research Center, Tulane University, *Graduate Research Assistant***
August 2009-February 2010
 - Collected observational and cross sectional data in an effort to identify a correlation between outdoor physical activity and the built environment in the city of New Orleans, Louisiana

- **Tang Lab, Florida State University, *Undergraduate Research Assistant***
August 2008-May 2009

- Worked with a team of researchers studying virus-host cell interactions, cell biology of Hepatitis C Virus (HCV) replication, and cellular co-factors for HIV and HCV infection while performing immunofluorescence staining of HCV infected cell lines, fluorescent tagging through PCR, and presentation of research findings
- **Freeman Lab, Florida State University, *Undergraduate Research Assistant***
May 2008-August 2008
 - Assisted a team of researchers to explore reproductive neuroendocrinology focusing on hypothalamic control of pituitary function, and discussion of research progress

Publications

1. Thompson KM, and **Odahowski CL**. "Systematic Review of Health Economic Analyses of Measles and Rubella Immunization Interventions." *Risk Analysis* (2014). DOI: 10.1111/risa.12331
2. Thompson KM, **Odahowski CL**, Goodson JL, Reef SE, Perry RT. "Synthesis of Evidence to Characterize National Measles and Rubella Exposure and Immunization Histories." *Risk Analysis* (2015). DOI: 10.1111/risa.12454
3. Thompson KM and **Odahowski CL**. "Systematic review of measles and rubella serology studies." *Risk Analysis* (2015). DOI: 10.1111/risa.12430
4. Thompson KM, and **Odahowski CL**. "The Costs and Valuation of Health Impacts of Measles and Rubella Risk Management Policies." *Risk Analysis* (2015). DOI: 10.1111/risa.12459
5. Powell SE, Eberth JM, Knight J, **Odahowski CL**. "An Examination of the USC Tobacco-Free Policy Using Collector for ArcGIS." Under Review. 2017.
6. Eberth JM, Josey M, **Odahowski CL**, Mobley LR, Probst JC, Davidson NO, Jeffe DB, Shootman M. "Who performs colonoscopy? Workforce trends over space and time." Under Review. 2017.
7. **Odahowski CL**, Hebert JR, Eberth JM. "Evaluating Regional Variation in Lung and Bronchus Cancer Survival in the US using Mortality-to-Incidence Ratios." Under Review. 2017.
8. **Odahowski CL**, Sercy E, Eberth JM. "Health Seeking Behaviors of Current and Former Smokers: 2015 National Health Interview Survey Results." Under Review. 2017
9. Josey M, **Odahowski CL**, Sercy E, Shootman M, Mobley L, Probst J, Strayer S, Eberth JM. "Approaches to Physician Density Measurement and Implications on Cancer Prevention." Under Review. 2017.

Teaching Experience

- EPID410: Principles of Epidemiology (3 credit hours). University of South Carolina, Department of Epidemiology and Biostatistics. *Doctoral Teaching Assistant*.
August-December 2015
 - Assisted course professor in posting course lectures and assignments on Blackboard, developing, revising, and grading assignments and tests, leading class tutorials and test review sessions, and meeting with students one-on-one and in small study groups

- HSC4501: Epidemiology of Chronic Diseases (3 credit hours). University of Central Florida, Department of Health Professions. *Adjunct Professor*. January-May 2015
 - Presented lectures twice weekly to a class of 75 undergraduate students, developed lecture, review, and exam materials, graded assignments and tests, met with students one-on-one in weekly office hours
- Secondary Physical Science Honors. Chain of Lakes Middle School, Orange County Public Schools, Orlando, Florida. *Instructor*. October 2014-March 2015
 - Developed and presented lesson materials, graded assignments and tests, participated in ongoing professional development trainings

Conferences and Seminars

Conference Presentations (Chronological)

- **Odahowski CL**, Eberth JM. Differences in Medicare Spending between Urban and Rural Counties in the United States. National Rural Health Association. Minneapolis, MN. 2016 May. [Poster]
- Powell S, Eberth JM, Knight J, **Odahowski CL**. Examination of USC Tobacco-Free Policy Using Collector for ArcGIS. James E. Clyburn Health Disparities Lecture. Columbia, SC. 2016 May. [Poster]
- **Odahowski CL**, Hebert JR, Eberth JM. Evaluating Regional Variation in Lung and Bronchus Cancer Survival in the US using Mortality-to-Incidence Ratios. Conference on Geospatial Approaches to Cancer Control and Population Sciences. National Cancer Institute. Bethesda, MD. 2016 Sept. [Oral]
- **Odahowski CL**, Hebert JR, Eberth JM. Evaluating Regional Variation in Lung and Bronchus Cancer Survival in the US using Mortality-to-Incidence Ratios. Centers for Disease Control and Prevention GIS Day. Atlanta, GA. 2016 Nov. [Oral]
- Josey M, **Odahowski CL**, Sercy E, Shootman M, Mobley L, Probst J, Strayer S, Eberth JM. “Approaches to Physician Density Measurement and Implications.” GMaP Region 1 South Annual Cancer Health Disparities Symposium. Charleston, SC. 2017 Mar. [Poster]
- **Odahowski CL**, Sercy E, Eberth JM. Lung Cancer Screening Utilization in the United States: 2015 National Health Interview Survey Results. GMaP Region 1 South Annual Cancer Health Disparities Symposium. Charleston, SC. 2017 Mar. [Oral]
- **Odahowski CL**, Sercy E, Eberth JM. Health Seeking Behaviors of Current and Former Smokers: 2015 National Health Interview Survey results. Cancer Prevention and Control Program Colloquium Series. Columbia, SC. 2017 Apr. [Oral]
- **Odahowski CL**, Sercy E, Eberth JM. Health Seeking Behaviors of Current and Former Smokers: 2015 National Health Interview Survey results. University of South Carolina Discover USC Research Showcase. Columbia, SC. 2017 Apr. [Poster]

- Eberth JM, Hazlett LJ, Bozorgi P, **Odahowski CL**, Sercy E, Adams SA. Disparities in Access to Lung Cancer Screening in the US. James E. Clyburn Health Disparities Lecture. Columbia, SC. 2017 Apr. [Oral]

Seminars

- 2016 ESRI Southeast User Conference. Charlotte, NC. 2016 May.

Service

Institutional Service

- University of South Carolina Discovery Day Presentation Reviewer (USC Office of Undergraduate Research, Spring 2016)
- Epidemiology and Biostatistics Faculty Search Committee (USC Arnold School of Public Health, Fall 2016)
- USC Discover Symposium Reviewer (USC Office of Undergraduate Research, Spring 2017)

Community Service

- American Cancer Society Cancer Action Network Volunteer Ambassador (2016-Current)
- South Carolina Cancer Alliance Member (2016-Current)
- Boys and Girls Club of New Orleans Volunteer Tutor (Spring 2009-Fall 2010)

Professional Memberships and Service Activities

- American Public Health Association Member (Fall 2015-Present)
- National Rural Health Association Member (Spring 2016-Present)

Honors and Awards

- Arnold School of Public Health Student Spotlight (https://www.sc.edu/study/colleges_schools/public_health/about/news/2017/rural_health_odahowski.php#.WV5XHuvytpg)
- 2016-2017 Arnold Fellowship Recipient, University of South Carolina
- 2016 Geographic Management of Cancer Health Disparities Program Region 1 Travel Award
- 2015-2016 Arnold Fellowship Recipient, University of South Carolina
- Florida State University Honors College (2005-2007)
- Florida Bright Futures Scholarship Award (2005-2009)
- University Freshman Scholarship Award, Florida State University (2005-2009)

Relevant Skills

- Experienced in the use of statistical packages (SAS, STATA, SPSS, Epi Info)
- Proficient in Florida Department of Health Merlin, ESSENCE, Epigateway, FDENS, and Epicom
- Practiced in use of ArcGIS mapping software
- Expert with Microsoft Office programs