

University of Minnesota – Twin Cities
 Department of Geography, Environment, & Society
 414 Social Sciences Building
 267 19th Avenue South
 Minneapolis, Minnesota 55455

burro191@umn.edu
<https://www.pop.umn.edu/content/ruthie-burrows>
www.ruthieburrows.com

EDUCATION

PhD Geography, University of Minnesota – Twin Cities, 2019 – present
 Advisor: Dr. Kathryn Grace
 Minor: Population Studies
 Minnesota Population Center Population Studies Graduate Trainee

MS Geographic Information Systems, Johns Hopkins University, 2019

MHS Epidemiology, Johns Hopkins Bloomberg School of Public Health, 2016
 Thesis: A Spatial Analysis of Cerebrovascular Mortality during Heat Waves in Alabama, 1997 – 2009
 Advisor: Dr. Frank Curriero

BA Global Environmental Change & Sustainability, Public Health Studies
 Johns Hopkins University, 2014

RESEARCH INTERESTS

Food security, children's health, climate change, spatial analysis, population studies, remote sensing

PUBLICATIONS AND REPORTS

Santo, R., Lupolt, S., **Burrows, R.**, Kim, B., Nachman, K. (2020). A characterization of urban agriculture in Baltimore, MD. (In preparation. Target journal: Urban Forestry and Greening).

Krzyzanowski, B., **Burrows, R.** (2020). Where are the maps? An analysis of the neighborhood health literature. (In progress. Target journal: Social Science and Medicine).

Santo, R., **Burrows, R.** (2018). [Farmers Feeding Baltimore: A Study of the Impact of the Farm Alliance of Baltimore](#).

Neff, R. (Ed). (2014). Introduction to the US Food System: Public Health, Environment, and Equity. Jossey-Bass.

Provided support in editing chapters, citations, and photographs

AWARDS AND FELLOWSHIPS

Department of Geography Graduate Fellowship	2019
Earth and Planetary Sciences Graduating Senior Award	2014
Deans List	2011 – 2014
Class of 1979 Scholarship	2013
Order of Omega	2012

RESEARCH EXPERIENCE

Research Assistant, INFEWS Project – University of Minnesota Summer 2020

- Project on childhood food insecurity, armed conflict, and climate variability in Nigeria, Mali, Uganda, and Kenya.
- Developed predictive models of food insecurity in R using DHS surveys, armed conflict datasets, and precipitation and temperature data.

Research Assistant, Johns Hopkins Center for a Livable Future 2013 – 2015, 2017 – 2019

- Provided GIS mapping and spatial data management assistance on the Safe Urban Harvests study, a project investigating heavy metals in the soil, water, and produce of over 100 urban farms and gardens in Baltimore City.
- Performed quantitative data analysis for food waste projects.
- Collaborated with Safe Urban Harvests study team members to perform data collection of over 1,500 soil, water, and produce samples.

Independent Research Consultant, Farm Alliance of Baltimore 2018

- Co-developed and conducted a survey among 50 Baltimore City residents to investigate the perceptions and benefits of urban farms in Baltimore.
- Performed in-depth qualitative interviews with urban farmers on their views of environmental and food justice issues in Baltimore.
- Presented the results of the surveys and interviews in a Story Map and a final report distributed among city officials and local food system stakeholders.

ADDITIONAL TRAINING

- University of California Berkeley Summer Workshop in Formal Demography – 2020
- National Socio-Environmental Synthesis Center Short Course in Spatial Agent-Based Models – 2020

PRESENTATIONS AND POSTERS

Burrows, R. Exploring the influence of climate variability and armed conflict on agricultural productivity in sub-Saharan Africa. Annual meeting of the Association of American Geographers. Denver, CO. Canceled due to COVID-19.

Burrows, R., Lupolt, S., Evenson, B., Santo, R., Kim, B., & Nachman, K. 2019. “Climate Change Mitigation Through Urban Agriculture: Assessing the Potential Capacity of Agricultural Production in Baltimore”. Poster session presented in April 2019 at the Johns Hopkins mini-symposium, Changing By Degrees: Multidisciplinary Approaches to Climate Change at the National Academy of Sciences in Washington, DC.

Burrows, R. 2017. “The Future of Agriculture in Ohio in the Face of Climate Change” Ohio State Master Gardener Annual Summit, Ohio State University.

TEACHING EXPERIENCE

Teaching assistant – Geography of Health and Healthcare 2020
University of Minnesota – Twin Cities

Teaching Assistant – Fundamentals of Epidemiology 2015 – 2016
Johns Hopkins University

Teaching Assistant – Spatial Analysis & GIS 1	2015
Johns Hopkins Bloomberg School of Public Health	
Teaching Assistant – Principles of Epidemiology	2015
Johns Hopkins Bloomberg School of Public Health	
Guest Lecturer – Climate Change and Epidemiology, Fundamentals of Epidemiology	2015 – 2016
Johns Hopkins University	

SKILLS

Proficient: R, ArcGIS Pro, ArcGIS Online, Stata
 Familiarity: Adobe Suite, Python
 Language: French (working proficiency)

SERVICE

Graduate Student Organization Co-Leader, Department of Geography	Present
Turning Green volunteer	2012 – Present
Diversity, Equity, and Inclusion Committee, Department of Geography	2019 – 2020
Climate Reality Leadership Corps	2017 – 2019
Blue Jay’s Perch, Johns Hopkins Community Garden	2013 – 2015
Real Food Hopkins	2012 – 2014

PROFESSIONAL MEMBERSHIPS

American Geophysical Union	Present
Population Association of America	2019 – Present
American Association of Geographers	2019 – Present