

Daniel J. Kilpatrick

Clinical Assistant Professor
Department of Environmental Health Sciences
Arnold School of Public Health
University of South Carolina

(a) Professional Preparation

University of South Carolina	Environmental Health Sciences	PhD	2019
Loma Linda University	Global Health	MPH	2010
Loma Linda University	Emergency Preparedness & Response	Certificate	2010
Houghton College	Intercultural Studies	BA	2005

(b) Professional Positions

2022 – Present:	Clinical Assistant Faculty , Department of Environmental Health Sciences, Arnold School of Public Health, University of South Carolina
2018 – Present:	Academic Coach , Instructional Connections
2012 – 2022:	Surveillance and Evaluation Director , Division of Tobacco Prevention and Control, SC Department of Health and Environmental Control
2018 – 2022:	Adjunct Faculty , Department of Environmental Health Sciences, Arnold School of Public Health, University of South Carolina
2011 – 2017:	Adjunct Faculty , School of Public Health, Loma Linda University
2015 – 2016:	Research Associate , Metabiota
2011 – 2012:	Senior Associate , Pearce Global Partners
May 2010 – Jul. 2010:	Research Associate , Bullock and Haddow LLC
2007 – 2008:	Lead Teacher , Kid's College, South Korea
2005 – 2007:	National Service Member , Western, NY AmeriCorps

(c) Peer-reviewed Publications and Dissertation

- Madelbaum, J., **Kilpatrick, D.**, Brightharp, C., Myers, K., Biggers, S., Hicks, S. (2021). Tobacco documentation and referral to cessation programs in medically underserved South Carolina counties. *Annals of Epidemiology*. Vol. 65, (2022). 56-58.
- Kilpatrick, D.** Investigating the Relationship of COPD, Lung Cancer, and Polycyclic Aromatic Hydrocarbons from Ambient Air Pollution. Dissertation. Graduate School, University of South Carolina (2019).
- Kilpatrick, D.**, Cartmell, K., Diedhiou, A., Cummings, M., Warren, G., Wynne, K., Bigger, S., et al. A collaborative model for facilitating the delivery of smoking cessation treatments to cancer patients: results from three oncology practices in South Carolina. *Journal of Smoking Cessation*. Vol. 14, Issue 2, (2018). 112-124.
- Eberth, J., McLain, A., Hong, Y., Sercy, E., Diedhiou, A., **Kilpatrick, D.** Estimating county-level tobacco use and exposure in South Carolina: a spatial model-based small area estimation approach. *Annals of Epidemiology*. 28 (7) (2018). 481-488.

(d) Grants and Cooperative Agreements

	<i>Awarded</i>
Title:	EJ Strong PREP: Practicing Risk Reduction Education through Partnership in South Carolina
PI (USC):	Daniel Kilpatrick
Funding Agency:	Environmental Protection Agency
Dates:	01/2024 – 09/2027
Amount:	\$1,000,000 (sub-award to USC: \$497,352)

12/13/2023 Kilpatrick

Title: Resilience in the SouthEast (RISE) Project
PI (USC): Daniel Kilpatrick
Funding Agency: Environmental Protection Agency
Dates: 01/2024 – 09/2027
Amount: \$500,000 (Sub-award to USC: \$68,820)

Title: Modernizing Environmental Public Health Tracking (EPHT) to Advance Environmental Health Surveillance
PI: Lara Raymond
Funding Agency: Centers for Disease Control and Prevention
Dates: 07/2022 – 07/2027
Amount: \$631,883
Role: Co-PI

Title: EJ Strong: Strengthening Communities for Disaster Risk Reduction in South Carolina
PI (USC): Daniel Kilpatrick
Funding Agency: Environmental Protection Agency
Dates: 10/2020 – 10/2023
Amount: \$200,000 (Sub-award to USC: \$126,658)

Title: Assessing Geographic Variability in Key Indicators of Water Quality and Air Quality: A Comparison of Urban vs. Rural Communities
PI: Daniel Kilpatrick
Funding Agency: Federal Office of Rural Health Policy - HRSA
Dates: 10/2021 – 10/2022
Amount: \$12,757

Title: CDC-RFA DP 20-2001: National State-based Tobacco Control Program
PI: Sharon Biggers
Funder: Centers for Disease Control and Prevention
Dates: 04/2020 – 04/2025
Amount: \$5,000,000
Role: Evaluator

Title: CDC-RFA DP 15-1509: National State-based Tobacco Control Program
PI: Sharon Biggers
Funder: Centers for Disease Control and Prevention
Dates: 03/2015 – 03/2020
Amount: \$5,000,000
Role: Evaluator

(e) Teaching

University of South Carolina

Environmental Health Sciences 321 – Environmental Pollution and Health
Environmental Health Sciences 592 – Disasters and Public Health Emergency
Management
Environmental Health Sciences 750 – MPH Capstone Course
Environmental Health Sciences 798 – Applied Practice Experience
Public Health 724 – Quantitative Methods for Public Health Practice I
Public Health 725 – Quantitative Methods for Public Health Practice II

Public Health 730 – Public Health Systems, Policy, and Leadership
Loma Linda University
Global Health 555 – Technology in Emergency Management
Global Health 548 – Violence and Terrorism Issues
Emergency Preparedness and Response 540 – Seminars in Emergency Preparedness and Response
Allied Health Professions 305 – Infectious Disease and the Healthcare Provider

(f) Graduate Committees (as member)

Macayla Upright PhD, Department of Environmental Health Sciences (Geoffrey Scott, Chair) Topic: Palaemon pugio, Palaemon paludosus, and Tire Wear Particles - Toxicological Tests for Public Health Significance. Expected Completion Spring 2025

Lola Renauer PhD, Department of Environmental Health Sciences (Geoffrey Scott, Chair) Topic: An evaluation of freshwater skin disease of bottlenose dolphins (*Tursiops truncatus*) utilizing photo-identification, pathology, and environmental variables in the Gulf of Mexico & western Florida. Expected Completion Spring 2025

Leslie Leak PhD, Department of Environmental Health Sciences (Dwayne Porter, Chair) Topic: The Influence of City Policy on Urban Farming and the Downstream Effects on Youth; Evaluating the Impact of an Environmental Health Science-Based Farm to School Program; Investigating the relationship between fruit and vegetable consumption and ultra-processed food consumption in youth; and Societal level supports for urban agriculture. Expected Completion Fall 2024

Miranda Dziobak PhD, Department of Environmental Health Sciences (Geoffrey Scott, Chair) Topic: Phthalates in free-ranging bottlenose dolphins (*Tursiops truncatus*): exploring exposure routes, health risks, and insights into information dissemination. Expected Completion Fall 2024

Kara Clyburn PhD, Department of Environmental Health Sciences (Geoffrey Scott, Chair) Topic: Investigation of the Environmental Factors Regulating the Biomass and Toxicity of the Benthic Cyanobacterium *Microseira wollei* in Lake Wateree, South Carolina. Expected Completion Spring 2024

Abigail Simpson MPH, Department of Environmental Health Sciences (Dwayne Porter, Chair) Topic: Examining the Perceptions and Knowledge of Climate Change-Related Risks Associated with Oyster Consumption Among Adults in South Carolina. Expected Completion Spring 2024

Beata Dewitt MPH, Department of Environmental Health Sciences (Dwayne Porter, Chair) Topic: Lower Richland Water Monitoring Initiative, Applying Community Managed Disaster Risk Reduction Action Planning. Expected Completion Spring 2024

Samantha Hulett MPH, Department of Environmental Health Sciences (Dwayne Porter, Chair) Topic: Improving Life and Nature in Rosemont, SC - an Environmental Justice Initiative for an Environmental Justice Community. Expected Completion Spring 2024

Tatiana DeSalvo MS, School of Science and Mathematics, College of Charleston (Paul Sandifer, Chair) Topic: Building “EJ” Strong Communities in Charleston, SC: Exploring Community Managed Disaster Risk Reduction in Union Heights, North Charleston. Expected Completion Spring 2024

(g) School and Department Service

Director, Graduate certificate program in Disasters and Climate-Ready Public Health, Department of Environmental Health Sciences, Arnold School of Public Health. University of South Carolina. Fall 2022 – Present

Master of Public Health Coordinator, Department of Environmental Health Sciences, Arnold School of Public Health. University of South Carolina. Fall 2022 – Present

Member, Master of Public Health Council on Education for Public Health (CEPH) Reaccreditation Committee, Arnold School of Public Health, University of South Carolina. Spring 2023 – Present

At large Practice Faculty Representative, Public Health Practice Advisory Council, Arnold School of Public Health. Fall 2023 – Present

Member, Maternal and Child Health Catalyst Committee. Spring 2023 – Present

Member, Arnold Alumni Award Committee. Arnold School of Public Health, University of South Carolina. Spring 2023

(h) Other Publications and Professional Presentations

Community Managed Disaster Risk Reduction and Environmental Justice. USC School of Geography, Hazards and Vulnerability Research Institute (HVRI) Brownbag Presentation. October 2023.

A Report on EJ Strong and its Impacts at the Local Level in South Carolina. Southeast and Caribbean Disaster Resilience Partnership Monthly Meeting, August 2023.

Applying Disaster Risk Reduction at the Local Level in South Carolina. Oceans and Human Health Annual Meeting, May 2023.

Assessing Key Indicators of Rural Versus Urban Water Quality. Policy Brief. August 2023. Rural and Minority Health Research Center.

Assessing Geographic Variability in Key Indicators of Air Quality: A Rural vs. Urban Comparison of Pollution and Socio-Economic Factors, Policy Brief. March 2023. Rural and Minority Health Research Center.

Application of Community Managed Disaster Risk Reduction for Environmental Justice Communities in South Carolina. FEMA Higher Education Annual Symposium, Oral Presentation. June 2022.

Disparities in Lung Cancer Screening Accessibility and Utilization in South Carolina. North American Association of Central Cancer Registries Summer Forum, Poster Presentation. Virtual. June 2022.

A Tale of Three States: Comparing Representative Peer Crowd Tobacco Data for Targeted Interventions. National Conference on Tobacco or Health, Oral Presentation. June 2022.

Pre vs. Post-Outbreak Youth Tobacco Trends: Evaluating SC Youth Tobacco Use in EVALI & COVID. National Conference on Tobacco or Health, Poster Presentation. June 2022.

Disparities in Lung Cancer Screening Accessibility and Utilization in South Carolina. North American Association of Central Cancer Registries Summer Forum, Poster Presentation. Virtual. June 2022.

Differences in Youth E-Cigarette Co-Use of Cannabis and Nicotine vs. Nicotine Alone in South Carolina. Society For Research On Nicotine and Tobacco Annual Meeting, Poster Presentation. March 2022.

The Effect of Local Smoke-Free Policy in Lexington County, South Carolina, in Chronic Disease Mortality – A Quasi-Experimental Study. National Association of Chronic

Disease Director's Environmental Public Health Tracking Virtual Conference, Oral Presentation. 2020.

Prioritizing South Carolina Counties for Smoking Reduction Using the Smoking-Attributable Mortality Indicator. American Public Health Association Annual Meeting, Paper. Philadelphia, PA. 2019.

Correlates of Susceptibility to E-cigarette Use Among South Carolina Youth. National Conference on Tobacco or Health, Poster Presentation, Minneapolis, MN. 2019.

Tobacco Use in South Carolina's High School Population. SmokeFreeSC Annual Symposium, Oral Presentation, Columbia, SC, 2019.

The Effects of the 2010 Cigarette Tax Hike on Cigarette Sales in South Carolina. Preliminary Results. National Conference on Tobacco or Health, Poster Presentation, Austin, TX. 2017.

Collaborative Evaluation Design, Integrating Quality Improvement with Evaluation in a Community Cancer Center Pilot Project. American Evaluation Association Annual Conference Roundtable Presentation: Atlanta, GA, 2016.

Using State-specific Data to Update CDC's SAMMEC System on Smoking Attributable Mortality, Fractions, and Health Care Expenditures, 2005-2013. MUSC Scientific Retreat on Tobacco Related Research Poster Presentation: Charleston, SC, 2015.

Managing a State-wide Multi-disciplinary Evaluation Team. Southeast Evaluation Association Annual Workshop, Oral Presentation Tallahassee, FL, 2014.

Ill Prepared Communities Despite the Inevitable: Assessing Disaster Preparedness in the Local Philippines Health Sector. American Public Health Association, Poster Presentation: Denver, CO, 2010.

(i) Synergistic and Voluntary Activities

Aug. 2023 – Present: Member: Development Committee, Southeast and Disaster Resilience Partnership (SCDRP)

2021 – 2022: 10U Mites, Columbia Cyclones Assistant Hockey Coach

2016 – 2019: El Rophe Counseling Center, Board of Directors

Jul. 2009 – Sep. 2010: Disaster Risk Reduction Intern, International Institute of Rural Reconstruction.

Aug. 2010: Sphere Humanitarian Standards in Disaster Response Training

Jul. 2010: Train the Trainer: Community Emergency Response Team

2002 – 2005: Emergency Medical Technician, Basic (NY state certified)