

Kristen N. Cowan, MPH

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EDUCATION

- 2020-Present **The University of North Carolina at Chapel Hill, Gillings School of Global Public Health,**
Chapel Hill, NC
PhD, Epidemiology
- 2016-2018 **Emory University Rollins School of Public Health, Atlanta, GA**
MPH, Global Epidemiology with a Certificate in Complex Humanitarian Emergencies
Thesis: *Factors Associated with Sexually Transmitted Viral Infections in Young Men who have sex with Men in the United States*
- 2012-2016 **The Ohio State University School of Public Health, Columbus, OH**
BS, Major: Public Health, Minor: Spanish Language

PROFESSIONAL EXPERIENCE

- 2021-present **Predoctoral Fellow, Chapel Hill, NC**
Center for Public Health and Environmental Assistance, Epidemiology Branch
Environmental Protection Agency (EPA)
- 2020-2021 **Graduate Research Assistant, Remote**
Real World Evidence and Epidemiology
GlaxoSmithKlein
- 2018-2020 **Research Fellow, Atlanta, GA**
National Center for Environmental Health, Asthma and Community Health Branch
Centers for Disease Control and Prevention (CDC)
- 2017-2018 **Data Analyst Intern, Atlanta, GA**
Biostatistics Collaboration Core
Emory University Rollins School of Public Health
- 2017-2017 **Practicum Student, Restauración, Dominican Republic**
Foundation for International Medical Relief of Children
- 2017-2017 **Emergency Management Apprentice, Atlanta, GA**
Emergency Management Branch
Centers for Disease Control and Prevention (CDC)
- 2016-2017 **Associate, Atlanta, GA**
Disaster Doc Consulting
- 2015-2016 **Minority Outreach Assistant, Columbus, OH**
Equitas Health
- 2014-2015 **Nutrition Educator, Columbus, OH**
Children's Hunger Alliance

HONORS AND AWARDS

- 2021 **Environmental Epidemiology T32 Training Grant**
University of North Carolina Chapel Hill
- 2020 **Mary Fran Myers Award for Excellence in Disaster Research**
National Hazards Center Workshop

- 2019 **CDC 2019 Fellows Collective Award Nominee**
CDC Fellows Collective Annual Meeting
- 2019 **SAS 2019 New Professional Award**
SAS Global Forum 2019
- 2017 **2017 Atlanta Health Data Challenge 1st Place Award**
Deloitte Health Data Challenge

GRANT SUPPORT

Current:

Role:	Principal Investigator
Source:	Natural Hazards Center/National Science Foundation
Title:	<i>Maria Mortality Study: Ascertaining the excess mortality and associated risk factors following Hurricane Maria in Puerto Rico.</i>
Award Type:	
Amount:	\$25,000
Years:	2020-2021

MANUSCRIPTS

Published:

1. **Cowan, K.**, Pennington, A., Gregory, T., & Hsu, J. (2021). Impact of Hurricanes on Children With Asthma: A Systematic Literature Review. *Disaster Medicine and Public Health Preparedness*, 1-6. Doi:10.1017/dmp.2020.424
2. **Cowan, K. N.**, Qin, X., Ruiz Serrano, K., Sircar, K., & Pennington, A. F. (2020). Uncontrolled asthma and household environmental exposures in Puerto Rico. *The Journal of asthma : official journal of the Association for the Care of Asthma*, 1–11. Advance online publication. <https://doi.org/10.1080/02770903.2020.1858861>
3. Chatham-Stephens K, Roguski K, Jang Y, Cho P, Jatlaoui TC, Kabbani S, Glidden E, Ussery EN, Trivers KF, Evans ME, King BA, Rose DA, Jones CM, Baldwin G, Delaney LJ, Briss P, Ritchey MD; **Lung Injury Response Epidemiology/Surveillance Task Force**; Lung Injury Response Clinical Task Force. Characteristics of Hospitalized and Nonhospitalized Patients in a Nationwide Outbreak of E-cigarette, or Vaping, Product Use-Associated Lung Injury – United States, November 2019. *MMWR Morb Mortal Wkly Rep*. 2019 Nov 22;68(46):1076-1080. Doi: 10.15585/mmwr.mm6846e1. PMID: 31751326; PMCID: PMC6871898.
4. **Cowan, K. N.**, Pennington, A. F., Sircar, K., & Flanders, W. D. (2021). Asthma-Related Emergency Department Visits in North Carolina Following Hurricane Irene. *Disaster Medicine and Public Health Preparedness*, 1–4. <http://doi.org/10.1017/dmp.2021.143>

PRESENTATIONS

Oral:

1. **Cowan, K.**, Pennington, A., Sircar, K. & Flanders, D. Asthma-related emergency department visits in North Carolina following Hurricane Irene. Natural Hazards Center Workshop Researchers Meeting, July 2020, Virtual
2. **Cowan, K.**, Gregory, T. Pennington, A. Sircar, K. Children with Asthma: Post-Hurricane Burden and Risk Factors, National Center for Environmental Health Cooperative Agreement Mid-Award Meeting, April 2019

Poster:

1. **Cowan, K.**, Pennington, A. Gregory, T. Hsu, J. Impact of Hurricanes on Children with Asthma. Society for Epidemiologic Research, 2020, Virtual.
2. **Cowan, K.** Pennington, A. Sircar, K. Flanders, D. Asthma-related emergency department visits in North Carolina following Hurricane Irene. Society for Epidemiologic Research, 2020, Virtual.
3. **Cowan, K.**, Pennington, A. Dunn, M. Sheth, K. Guerrero, R. Using existing survey infrastructure to measure disease burden following a disaster at the state and local level. Public Health Preparedness Conference, August 2020, Virtual
4. **Cowan, K.**, Sircar, K. Gregory, T. Existing Tools and Opportunities to Improve Health Among Children with Asthma After Hurricanes. Public Health Preparedness Conference, April 2019, St. Louis, MO
5. **Cowan, K.** Monitoring and Evaluating a Community Health Worker Program on the border of the Dominican Republic and Haiti. Emory University Rollins School of Public Health Practicum Presentation Session, October 2017, Atlanta, GA.
6. **Cowan, K.** Bridging the Gap Between Consumers, Providers and Policy Makers: A Capstone Project. Ohio State University College of Public Health Capstone Presentation Session, April 2016, Columbus, OH.
7. **Cowan, K.** Risk of HIV and Hepatitis C among Heroin Using Populations. Annual Biomedical Research Conference for Minority Students, November 2019, Seattle, WA.

Teaching Experience

Teaching Assistant, Atlanta, GA

Emory University, College of Arts and Science

Introduction to Epidemiology for Undergraduate Students

Teaching Assistant, Atlanta, GA

Emory University, Rollins School of Public Health

Public Health Preparedness for Graduate Students

GUEST LECTURES

2020

Using Power BI to Help Visualize your Data

CDC Asthma and Community Health Branch lecture series

2019

Climate Change and Public Health Emergencies

Public Health Preparedness Class Emory University Rollins School of Public Health

CERTIFICATIONS

2018

NEHA Environmental Health Training in Emergency Response (EHTER)-Awareness Level

2017

FEMA IS.100.b Introduction to Incident Command System

FEMA IS.200.b: Incident Command System for Single Resource and Initial Action Incidents

FEMA IS.700.a: National Incident Management System (NIMS)

FEMA IS.800.b: National Response Framework

CDC EOC 101: Introduction to Emergency Operations Center

CDC CERC: Crisis and Emergency Risk Communication

CDC Public Health Readiness Certificate Program

VOLUNTEER LEADERSHIP AND WORK

2021-present	Member Epidemiology and Justice Student Group
2021-present	Planning Committee Member North Carolina Environmental Justice Network Annual Meeting
2019-2020	Chair CDC Employee Association of Emory Alumni Committee
2018-2021	Section Councilor American Public Health Association (APHA) Epidemiology Section
2017-2018	Student Liaison American Public Health Association (APHA) Epidemiology Section
2017-2018	Co-Logistician Student Outbreak and Response Team (SORT), Emory University Rollins School of Public Health
2017-2018	Quality Improvement Coordinator Clarkston Community Health Center
2015-2016	Ambassador Ohio State University College of Public Health
2015-2016	Student Director Pay It Forward at the Ohio Union
2013-2016	Co-President Project Nicaragua at Ohio State University
2012-2015	CAUSE Coordinator Pay It Forward at the Ohio Union

AD HOC REVIEW

Manuscripts

Journal of Disaster Medicine and Public Health Preparedness
Journal of Asthma

Conferences

American Public Health Association Annual Meeting