

# Zackery R. White MPH, CPH

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## EDUCATION

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- University of Delaware (College of Health Sciences) – Newark, DE** **Expected December 2023**  
Doctor of Philosophy, Epidemiology; Epidemiological Research Methods and Disaster Science  
*Dissertation: Common biases in studying the long-term health effects of disasters.*
- Columbia University (Mailman School of Public Health) – New York, NY** **2020**  
Master of Public Health, Epidemiology; Certificate in Public Health and Humanitarian Action  
*Thesis: The effect of technological disasters on the perception of community viability.*
- Rensselaer Polytechnic Institute – Troy, NY** **2018**  
Bachelor of Science, Biomedical Engineering

## PROFESSIONAL EXPERIENCE

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- School of Health Science | Mercy College – Dobbs Ferry, NY**  
**Adjunct Lecturer – Scientific Writing & Accessing Health Literature** **Fall 2022 – Present**
- University of Delaware – Newark, DE**  
**Principal Instructor – Introduction to Epidemiologic Data & Analysis in SAS** **Fall 2022**
  - Develop and oversee the instruction of graduate students in the fundamentals of SAS/STAT programming.
  - Review student SAS programs and provide feedback to improve program validity and efficiency.**Principal Instructor – Introduction to Epidemiology** **July 2021 – Present**
  - Oversee the instruction of over two hundred undergraduates in the fundamentals of epidemiology.
  - Supervise and manage one graduate teaching assistant and two undergraduate teaching assistants.**Teaching Assistant – Introduction to Epidemiology** **September 2020 – June 2021**
- Columbia University – New York, NY**  
**National Center for Disaster Preparedness | Research Staff Assistant** **October 2019 – June 2021**
  - Generated decision support tools and examined the role of employee absenteeism in the continuity of business operations for utility services during the COVID-19 pandemic.
  - Drafted internal and external project reports to improve partner organization disaster recovery planning.**Department of Epidemiology | Graduate Research Assistant** **September 2018 – March 2020**
  - Synthesized and conducted household questionnaires in the Jamaica Bay area assessing for stress-based indicators associated with increased nuisance flooding attributed to global climate change.
  - Engaged with community members to schedule participant interviews while building the community's awareness and acceptance of the pilot project.**Center for Sustainable Development | Tropical Lab Initiative Intern** **February 2019 – May 2019**
  - Compiled literature, monitored global diagnostics pipelines, and conceptualized validation studies for biomedical diagnostics in low-income settings promoting rural access to healthcare.
- New York Disaster Interfaith Services (NYDIS) – New York, NY**  
**COVID-19 Communications Intern** **April 2020 – May 2020**
- Ghana Health Services – Gushegu, Northern Region, Ghana**  
**Health Systems Consultant** **June 2019 – August 2019**
  - Collated existing community-based referral protocols for data collection, set project research priorities, drafted research protocols, and conducted a data quality analysis of referral logs to identify potential gaps.
  - Translated my research findings into sustainable solutions to increase the health directorate's data capture ability and presented this work to the Director of the Ghana Health Service.

## STATISTICAL SOFTWARE EXPERIENCE *in order of proficiency*

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**ADVANCED:** SAS    **INTERMEDIATE:** Python, STATA, SPSS, R    **NOVICE:** ArcGIS, Minitab

## AWARDS

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**Doctoral Fellowship for Excellence | University of Delaware**

**2023**

## TRAINING AND PROFESSIONAL CERTIFICATIONS

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**Certified in Public Health (CPH)**

**Certified 07/2021**

National Board of Public Health Examiners, #18267

**NYS Certified Emergency Medical Technician – Basic**

**Certified 12/2014**

NYS Department of Health Bureau of Emergency Services, #427129

## PROFESSIONAL AFFILIATIONS

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**Council of State and Territorial Epidemiologists (CSTE)**

**Since 2022**

**Society for Epidemiologic Research (SER)**

**Since 2022**

**Disaster Research Center (DRC)**

**Since 2020**

## POSTER PRESENTATIONS

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**White, Z.,** Shaukat, S., Bitungeramye, A., & Horney J. Gender & h-index in Epidemiology. Presented at College of Health Science Research Day, March 2023.

**White, Z.** Sense of Community and Household Recovery from the Deepwater Horizon Oil Spill. Presented at Natural Hazards Workshop, July 2022.

**White, Z.** Community-Based Referral Systems in the Gushegu Municipal, Ghana: A Review. Presented at Epidemiology Master's Student Day, October 2019

Crochiere, M.C., Leinweber, H., Ostrander, J., **White, Z.** Factors Affecting Requests for Emergency Medical Response at RPI. Presented at Science, Technology, and Society Undergraduate Research Colloquium, December 2017.

## SELECTED PEER-REVIEWED PUBLICATIONS

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**White Z.,** Barlow, D., Horney, J., Scales, S., Stone, K., Jagger., & Kintziger, K. (In Preparation). Challenges in Obtaining Information from a Representative Sample of U.S. Public Health Workers.

Cox, Z., **White, Z.,** Kendra, J., Ayala Y., Posch, C., Fraser, R., Winslow, M., Woodruff, D., MacFadyen, L., & Flynn, B. (Under Revision). Business Continuity as Self-Efficacy: Augmenting Existing Business Continuity Practice.

Saxena, G., Ratner, J., Schlegelmilch, J., **White, Z.,** Wongsodirdjo, K., Aguilar, S., Kushner, D., & Paaso, A. (2021). Integrating Data Variability Into Contemporary COVID-19 Decision Support. *Disaster Medicine and Public Health Preparedness*, 1–2.

Schlegelmilch, J., Paaso, A., Ratner, J. J., Saxena, G., **White, Z.,** Aguilar, S., Kushner, D., Matevosyan, N., Ortega, J., & Bahramirad, S. (2021). Using analytics to support a utility's initial response to the COVID-19 pandemic amid an uncertain evidence base. *Journal of Business Continuity & Emergency Planning*, 14(3), 226–239.

**White, Z.,** Schlegelmilch, J., Ratner, J., Saxena, G., Wongsodirdjo, K., Aguilar, S., Kushner, D., Ortega, J., Paaso, A., & Bahramirad, S. (2021). Current Data Gaps in Modeling Essential Worker Absenteeism Due to COVID-19. *Disaster Medicine and Public Health Preparedness*, 15(4), e10–e11.

## VOLUNTEER EXPERIENCE

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**Community Emergency Response Team (CERT)**

**April 2023 – Present**

**Team Rubicon**

**February 2022 – Present**

**Team EPI | NYC Department of Health and Mental Hygiene**

**Fall 2018**

**RPI Ambulance**

**September 2014 – January 2018**