Zackery R. White, MPH, CPH

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EDUCATION

University of Delaware (College of Health Sciences) – Newark, DE   **Expected August 2023**
Doctor of Philosophy, Epidemiology; Epidemiological Research Methods in Disaster Science

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

Program in Epidemiology | University of Delaware – Newark, DE

Principal Instructor – Introduction to Epidemiologic Data & Analysis in SAS   **Fall 2022 – Present**

- Develop and deliver a graduate-level epidemiology elective course.
- Oversee the instruction of thirteen graduate students in the fundamentals of SAS programming.

School of Health Science | Mercy College – Dobbs Ferry, NY

Adjunct Lecturer – Scientific Writing   **Fall 2022 – Present**

Department of Behavioral Health & Nutrition | University of Delaware – Newark, DE

Principal Instructor – Introduction to Epidemiology (HLPR222)   **July 2021 – Present**

- Oversee the instruction of one hundred twenty-five undergraduates in the fundamentals of epidemiology.
- Supervise and manage one graduate teaching assistant and two undergraduate teaching assistants.
- (Mean Evaluation Score = 4.72/5.00; Response Rate = 65.69%)

Teaching Assistant – Introduction to Epidemiology (HLPR222)   **September 2020 – June 2021**

National Center for Disaster Preparedness | Columbia University – New York, NY

Research Staff Assistant   **May 2020 – 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.

Graduate Research Assistant   **October 2019 – May 2020**

- Assessed the long-term recovery needs of those affected by Hurricane Harvey.
- Drafted internal and external project reports to improve disaster recovery planning.

Department of Epidemiology | Columbia University – New York, NY

Graduate Research Assistant   **September 2018 – March 2020**

- Synthesized and conducted household questionnaires in the Jamaica Bay area assessing for stress-based indicators theoretically caused by an increase in nuisance flooding attributed to global climate change.
- Engaged directly with community members to schedule participant interviews while building the community's awareness and acceptance of the pilot project.

Ghana Health Services – Gushegu, Northern Region, Ghana

Health Systems Technical 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 the findings of my research into sustainable solutions aimed at increasing 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*

ADVANCED: SAS   **INTERMEDIATE**: STATA, SPSS, EXCEL VBA   **NOVICE**: R, ArcGIS / QGIS, Minitab

TRAINING AND PROFESSIONAL CERTIFICATIONS

Business Continuity Planning   04/2022
    Rural Domestic Preparedness Consortium

Homeland Security Exercise and Evaluation Program (HSEEP)   11/2021
    Delaware Emergency Management Agency (DEMA)

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

Council of State and Territorial Epidemiologists (CSTE)   Since 2022

Society for Epidemiologic Research (SER)   Since 2022

Disaster Research Center (DRC)   Since 2020

POSTER PRESENTATIONS

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 MC, 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.

PEER-REVIEWED PUBLICATIONS

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.

Jenkins, K. A., Fossat, M., Dao, T., Zhang, Y., **White, Z.**, Barrick, D., & Royer, C. A. (2017). Cavities and Cooperativity in the Folding of the Leucine Rich Repeat Protein PP32: A Pressure-Jump Fluorescence and High-Pressure NMR Study. *Biophysical Journal*, *112*(3), 178a.

Jenkins, K. A., Fossat, M. J., Zhang, S., Rai, D. K., Klein, S., Gillilan, R., **White, Z**., Gerlich, G., McCallum, S. A., Winter, R., Gruner, S. M., Barrick, D., & Royer, C. A. (2018). The consequences of cavity creation on the folding landscape of a repeat protein depend upon context. *Proceedings of the National Academy of Sciences*, *115*(35).

PUBLIC HEALTH VOLUNTEER EXPERIENCE

NYC Department of Health and Mental Hygiene – Queens, NY   Fall 2018
    TEAM EPI Member – Foodborne Disease

RPI Ambulance – Troy, NY   September 2014 – January 2018
    Emergency Medical Technician / Event EMS Supervisor / President