# Emmanuel A. Odame

Curriculum Vitae

# CURRENT POSITION:

**Assistant Professor (2019-Present)**

Department of Environmental Health Sciences

Ryals Public Health Building (RPHB)

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# ACADEMIC PREPARATION:

**Ph.D. Environmental Health**, East Tennessee State University, Johnson City, TN. 2019. Dissertation: Assessing Heat-related Mortality and Morbidity in Rural Populations and

Sub-populations

**MPH Community Health,** East Tennessee State University, Johnson City, TN. 2013.

Project: “Let’s Move Kingsport”: City‐wide health project to promote physical

activity

**B.S. Biological Sciences,** University of Ghana, Legon, Ghana. 2007.

Nutrition and Food Science option

# TEACHING EXPERIENCE:

**PUH 210** Agent, Host, Environment (3 hours-Undergraduate level). Fall 2019 (in-person), Spring 2020 (in-class/remote), Summer 2020 (online), Fall 2020 (remote), Spring 2021 (remote). Primary instructor of the role of environmental factors in shaping the interaction between agents and hosts, leading to human diseases.

**PUH 220** Environmental Factors in Public Health (3 hours-Undergraduate level). Fall 2019 (in-class), Spring 2020 (in-class/remote), Fall 2020 (remote), Spring 2021 (remote). Primary instructor of how different chemical, biological and physical agents impact air, water, and food quality to cause disease, in addition to regulations and policies designed to protect the public’s health from their harmful effects.

**ENH 621** Fundamentals of Industrial Hygiene (3 hours-Graduate level). Fall 2019 (online), Fall 2020 (online). Primary instructor of industrial hygiene principles of anticipation, recognition, evaluation, and control of hazards found in the work environment.

**ENVH 3040** Environmental Sanitation (3 hours-Undergraduate level). Spring 2019 (hybrid) - East Tennessee State University. Primary instructor of key environmental health issues including food safety, air quality, water quality, waste disposal, occupational health, environmental policy and toxicology.

**ENVH 3010** Human Ecology (3 hours-Undergraduate level). Spring 2018 (in-class) - East Tennessee State University. Primary instructor of the relationship between humans and the environment as well as consequences of manipulation, alteration and pollution of the natural habitat.

**PUBH 1010** Lifetime Behavior for Healthy Living (3 hours-Undergraduate level). Spring 2012 (in-class) - East Tennessee State University. Teaching assistant-duties included developing course contents and grading assignments, tests and projects.

# GUEST TAUGHT COURSES:

**OSH 387 Confined Space** OSHA Standards for General Industry and Construction. Spring 2021-

Murray State University

**ENH 691 Assessing Occupational Heat Stress in a Rapidly Changing Climate** Current Topics in

Environmental & Occupational Health & Safety Seminar. Fall 2020-UAB

**PUH 342 Climate Change** Public Health and Disasters. Fall 2019-UAB

**ENVH-5700/ENVH-4340 Heat and Cold Stress** Industrial Hygiene & Safety. Fall 2018 -East Tennessee State University

**PUBLICATIONS:**

 Montiel Ishino FA, Odame EA, Liu X, Salmeron B, Mamudu H, Williams F. 2021. A national study

of Surveillance, Epidemiology, and End Results colorectal cancer survivorship disparity: A latent class analysis. *Frontiers in Public Health*.

doi: <https://doi.org/10.3389/fpubh.2021.628022>

Sims OT, Jackson A, Guo Y, Truong D, Odame EA, Mamudu HM. 2020. A cross- sectional analysis of tobacco use and concurrent alcohol and substance use among patients living with HIV/HCV co-infection: Findings from a large urban tertiary center. *Journal of Clinical Psychology in Medical Settings*. doi: <https://doi.org/10.1007/s10880-020-09744-2>

Montiel Ishino FA, Odame EA, Whiteside M, Mamudu H, Williams F. 2020. Applying latent class analysis on cancer registry data to identify and compare health disparity profiles in colorectal cancer surgical treatment delay. *Journal of Public Health Management and Practice*. doi: <https://doi.org/10.1097/PHH.0000000000001341>

Odame E, Li Y, Zheng S, Vaidyanathan S, Silver K. 2018. Assessing heat‐related mortality risks among rural populations: A systematic review and meta‐analysis of epidemiological evidence*. International Journal of Environmental Research Public Health* 15(8): 1597.

 doi: <https://doi.org/10.3390/ijerph15081597>PMID: 30060529

 Li Y, Odame E, Silver K, Zheng S. 2017. Comparing Urban and Rural Vulnerability to

Heat‐Related Mortality: A Systematic Review and Meta‐analysis. *Journal of Global Epidemiology and Environmental Health*.

doi: <https://doi.org/10.29199/2637-7144/GEEH-101016>

# PEER-REVIEWED CONFERENCE PUBLICATIONS/PRESENTATIONS:

Tobacco Use and Concurrent Alcohol and Substance Use among Patients Living with HIV/HCV Co-infection: Findings from a Large Urban Tertiary Center.

23rd International AIDS Conference, San Francisco, CA, 2020

Standard weather data as surrogates for wet bulb globe temperatures (WBGT).

Poster accepted at American Public Health Association, Philadelphia, PA, 2019

Assessing heat exposure in outdoor workers using meteorological data. Poster presented at SouthON Conference at Savannah, Georgia, 2018

Comparative prevalence of Heat‐related illnesses in outdoor and indoor tomato workers.

Oral, roundtable discussion at APHA, 2017

Vulnerability of rural populations and subpopulations to heat‐related morbidity and mortality. Oral presentation at Appalachian Students Research Forum, 2017

Health issues among migrant and seasonal farmworkers in Northeast Tennessee.

Poster presented at Tennessee Department of Environment and Conservation, 2017

Comparing urban and rural vulnerability to heat‐related mortality: a systematic review

and meta‐analysis. Poster accepted at Society for Risk Analysis, 2016

Prevalence of Work‐related musculoskeletal disorders in migrant and seasonal Farmworkers in Northeast Tennessee. Poster accepted and presented at National Health Disparities Conference, 2015

Peer Influences on Teen tanning. Poster presented at Appalachian Students Research Forum, 2012

**GRANTS/AWARDS:**

Toward Improving Heat Stress Surveillance in the Deep South: In Light of the Current COVID-19 Crisis. Role: PI, $15,000 (2020)

Toward Evidence‐Based Management of Heat Stress for Crop Workers in Central

Appalachia. Role: Co-I, $15,000 (2017)

# CURRENT SERVICE:

PHSA Search Committee for Assistant Dean of Undergraduate Education, 2021

Faculty Work Group on Mental Health, 2021

Committee on Presidential Award of Excellence in Teaching, 2020 & 2021

EHS Faculty Search Committee, 2021

Academic Advisor for MPH/Graduate students

Advisor, Green Thumb Organization, 2020

MPH Curriculum Committee, 2019

Graduate Admissions Committee, 2019

Abstract Reviewer, American Public Health Association, 2019

# PREVIOUS SERVICE:

Judge, Global Health Case Competition, UAB, 2019

Seminar Coordinator, East Tennessee State University, 2018

Budget Committee member, East Tennessee State University, 2018

Data Manager/Website Designer, Kingsport Tomorrow, Kingsport, TN, 2013 Outreach Member, Rural Medical Service (RMS) Summer Health Screening Project

Board Member, Johnson City Community Health Center, Johnson City, TN

# PROFESSIONAL MEMBERSHIPS:

Council of State and Territorial Epidemiologists (2018)

 American Public Health Association (2017)

National Environmental Health Association (2017)

 Migrant Clinicians Network (2017)