

IFEOMA OZODIEGWU

I have published [scientific papers](#) that generate insights about global health from complex surveys, supported [national malaria programs](#) to apply quantitative methods to inform strategic planning, and developed analysis pipelines to make it [easy to visualise and generate estimates](#) from the Demographic and Health Surveys.

SELECTED POSITIONS

present
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2019

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Postdoctoral Fellow

Malaria Modeling Research Group (Gerardin's Lab)

Northwestern University

• Lead survey data analysis and simulation modeling on a \$3 million grant to identify optimal intervention packages for malaria control and elimination in various transmission settings.

• Respond to analysis requests from clients such as the World Health Organization and policy-makers in endemic countries

• Communicate research methods, results and recommendations to clients to inform national strategic planning, and at national and international conferences

2020

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Consultant

Dept of Science, Information and Dissemination

World Health Organization

• Supported development of the annual regional health indicators report for the Regional Office for the Eastern Medditerranean

• Led data visualization of these indicators for the report, interfacing with the graphics team to ensure timely production of report

2019
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2015

●

Graduate Student Researcher

Dept of Biostatistics and Epidemiology

East Tennessee State University

• Co-authored research papers on metabolic syndrome, obesity and adverse childhood experiences

• Mentored masters-level researchers

• Teaching assistant for several biostatistics and epidemiology courses

2015
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2014

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Lead Consultant

Data Analysis and Evaluation

Community Innovation Center

• Founded a consultancy company to support program planning, data analysis and evaluation

• Led a needs assessment to support restructuring of the National Neglected Tropical Diseases Monitoring and Evaluation Systems (client: RTI International)

• Supported strengthening of data collection and analysis to understand the distribution and purchasing practices for malaria chemotherapy (client: Society for Family Health)

2014
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2013

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Global Health Fellow

Research and Communications

Centre for Infectious Disease Research in Zambia

• Designed a data collection and analysis platform for an NIH-funded Rotavirus study

• Worked with the communications department to develop CIDRZ annual report

EDUCATION

2019
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2015

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DrPH, Epidemiology

Dept of Biostatistics and Epidemiology

East Tennessee State University

• Dissertation: The prevalence and context of Adult Female Overweight and Obesity in sub-Saharan Africa

• Recipient of a Rotary International Global Grant

CONTACT

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LANGUAGE SKILLS

"I have extensive experience in client-facing roles and on projects that directly impact health in resource-limited settings."

Made w/ [pagedown](#).

2012
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2010

● MPH, Health Services Administration

Health Services Management and Policy

📍 East Tennessee State University

- Supported evaluation of national tobacco policies during internship with the World Health Organization
- Recipient of the Frist Global Health Leader Award



SELECTED TALKS & PUBLICATIONS

2020

● [Application of Mathematical Models to inform National Strategic Planning in Nigeria](#)

6th Future of Malaria Research Symposium

- Presentation of project performed at the Gerardin Lab

2020

● [Urban-rural Determinants of Malaria Transmission Intensity, Insecticide Treated Net Access and Use in Nigeria](#)

Lightning Talk at the Northwestern Institute of Complex Systems

- Presentation of ongoing project at the Gerardin Lab with mentee, Chilochibi Chiziba

2020

● [Is the Positive Association of Middle Income and Rich Household Wealth on Adult Sub-Saharan African Womens Overweight Status Modified by the Level of Education Attainment? A Cross-sectional Study of 22 countries](#)

BMC Public Health

- Authored with Quinn M, Mercer LD, Omoike EO, Mamudu HM

2019

● [Country-Level Analysis of the Association between Maternal Obesity with Neonatal Mortality in Sub-Saharan Africa: A Cross- Sectional Study of Demographic and Health Surveys from 34 Countries](#)

Annals of Global Health

- Authored with Mamudu HM, Wang L, Wallace R, Quinn M, Liu Y, Doctor HV

2019

● [A Qualitative Evidence Synthesis of Contextual Factors Contributing to Female Overweight and Obesity over the Life Course in Sub-Saharan Africa](#)

PLoS One

- Authored with Littleton MA, Nwabueze C, Famojuro O, Quinn M, Wallace R, Mamudu HM

2017

● [The Influence of the Social and Cultural Environment on Maternal Mortality in Nigeria: Evidence from the 2013 Demographic and Health Survey](#)

PLoS One

- Authored with Ariyo O, Doctor HV

2017

● [An Association of Health Behaviors with Depression and Metabolic Risks: Data from 2007 to 2014 U.S. National Health and Nutrition Examination Survey](#)

Journal of Affective Disorders

- Authored with Liu Y, Yu Y, Hess R, Bie R



SELECTED PRESS (ABOUT)

2020

● [Time to act on malnutrition in all its forms in West Africa](#)

Transform Nutrition West Africa

- My qualitative evidence synthesis was one of four works highlighted on this Bill and Melinda Gates Foundation funded knowledge mobilization platform
- I was asked to give direct comment on my findings to guide research and policy action

"I am passionate about data-driven decision-making. In many resource-poor settings, primary data is not readily available. My expertise lies in applying quantitative methods to make the best decisions with secondary data."