

# 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

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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 sengs. "*

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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 Doctor HV, Quinn M, Mercer LD, Omoike EO, Mamudu HM
- 2020 • [Working Paper: Adult Female Overweight and Obesity Prevalence in Seven Sub-Saharan African Countries: A Baseline Sub-National Assessment of Indicator 14 Of the Global NCD Monitoring Framework](#)  
Preprints.org
  - Authored with Mercer LD, Quinn M, Doctor HV, 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



## 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."*