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 2019

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

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 2015

Graduate Student Researcher

Dept of Biostatistics and Epidemiology

♀ East Tenessee 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 2014

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 2013

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

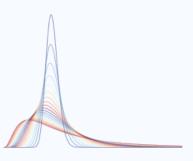
EDUCATION

2019 2015

DrPH, Epidemiology

Dept of Biostatistics and Epidemiology

- **♀** East Tenessee 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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- github.com/ifeomaozo
- in linkedin/ifeomaozodiegwu
- **)** (773) 431-4324

LANGUAGE SKILLS

Python

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

MPH, Health Services Administration 2012 ◆ East Tenessee State University Health Services Management and Policy 2010 · Supported evaluation of national tobacco policies during internship with the World Health Organization · Recipient of the Frist Global Health Leader Award SELECTED TALKS & PUBLICATIONS Application of Mathematical Models to inform National Strategic Planning in Nigeria 2020 6th Future of Malaria Research Symposium · Presentation of project performed at the Gerardin Lab Urban-rural Determinants of Malaria Transmission Intensity, Insecticide Treated 2020 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 Is the Positive Association of Middle Income and Rich Household Wealth on Adult 2020 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 Working Paper: Adult Female Overweight and Obesity Prevalence in Seven Sub-2020 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 Country-Level Analysis of the Association between Maternal Obesity with Neonatal 2019 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 A Qualitative Evidence Synthesis of Contextual Factors Contributing to Female 2019 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 НМ The Influence of the Social and Cultural Environment on Maternal Mortality in 2017 Nigeria: Evidence from the 2013 Demographic and Health Survey PLoS One · Authored with Ariyo O, Doctor HV 톡 SELECTED PRESS (ABOUT) Time to act on malnutrition in all its forms in West Africa 2020 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 se ngs,

primary data is not readily

to make the best decisions with secondary data."

available. My exper se lies in

applying quan ta ve methods