

July 25, 2021

IFEOMA OZODIEGWU, DrPH

Business Address: 710 North Lake Shore Drive, Suite 800
Chicago IL 60611
Business Phone: +1 773 431 4324
Email: ifeoma.ozodiegwu@northwestern.edu
ORCID: 0000-0001-7810-414X

EDUCATION

<u>Date</u>	<u>Institution</u>	<u>Degree</u>	<u>Discipline</u>
2007	Enugu State University of Science and Technology	BSc	Biochemistry
2012	East Tennessee State University (ETSU)	MPH	Health Services Administration
2019	ETSU	DrPH	Epidemiology

TRAINING

None

LICENSURE / CERTIFICATION

None

ACADEMIC APPOINTMENTS

<u>Date</u>	<u>Institution</u>	<u>Title</u>	<u>Department</u>
2021-	Northwestern University	Research Assistant Professor	Preventive Medicine
2019-21	Northwestern University	Postdoctoral Fellow	Preventive Medicine
2015-19	ETSU	Research Assistant	Biostatistics and Epidemiology
2010-12	ETSU	Research Assistant	Health Services Administration

HOSPITAL APPOINTMENTS

None

OTHER EMPLOYMENT

<u>Date</u>	<u>Institution</u>	<u>Position</u>
2012-12	World Health Organization	Intern
2012-13	DC Department of Behavioral Health	Statistical Quality Assurance Specialist
2013-14	Centre for Infectious Disease Research in Zambia	Global Health Fellow
2014-14	Society for Family Health	Consultant
2015-15	Enugu State Universal Basic Education Board	Consultant
2015-15	Research Triangle Institute	Regional Monitoring and Evaluation Consultant
2020-	World Health Organization	Consultant

HONORS AND AWARDS

A. Elected Society Memberships

None

B. International/National/Regional

2018-19 Rotary International Research Global Grant Recipient

C. University

2017 Sherrod Graduate Student Award for Excellence in Research, ETSU

2018 Outstanding Student Conference Abstract, Delta Omega Honorary Society in Public Health, ETSU

2019 Best Research Presentation, Appalachian Student Research Forum, ETSU

INSTITUTIONAL SERVICE (Committees, Councils, Task Forces)

- A. University
2019 Academic Misconduct Committee, East Tennessee State University
- B. School
None
- C. Department
None
- D. Hospital
None

COMMUNITY / PUBLIC SERVICE

PARTICIPATION IN PROFESSIONAL SOCIETIES AND EXTRAMURAL ORGANIZATIONS

- A. Professional Society Memberships
2016- American Public Health Association, member
2016- American Society of Tropical Medicine and Hygiene, member
2017- Society for Epidemiological Research, member
2019- Malaria Modeling Consortium, member
- B. Leadership and Service (leadership positions held, committee service, etc.)
2019-20 Malaria Modeling Consortium, planning committee member
2019-21 Malaria Modeling Consortium, advisory board member
2020-20 Malaria Modeling Consortium, Modeling to Support Malaria Policy: Context-Specific Calibration and Country Engagement, session group leader
2020- Women in Data Science annual competition mentor

EDITORIAL AND MANUSCRIPT REVIEW RESPONSIBILITIES

- A. Editorial Responsibilities
None
- B. Manuscript Reviewing Responsibilities
Disaster Medicine and Public Health Preparedness (2020) 2 reviews
F1000 Research (2020) 1 review
International Journal of Environmental Research and Public Health (2019-2020) 3 reviews
Nutrients (2020) 1 review
PLoS One (2020-21) 2 reviews
Public Health Nutrition (2020) 1 review

GRANT REVIEW RESPONSIBILITIES

None

GRANT AWARDS AND CLINICAL TRIALS

- A. Current
- B. Pending
None

C. Past

Agency: Rotary International

Title: Prevalence and Context of Adult Female Overweight and Obesity in sub-Saharan Africa

Principal Investigator: Ifeoma Ozodiegwu

Total costs for project period: \$35,000

Total award: \$35,000

Project period: 2018-19

Agency: NIH National Center for Advancing Translational Sciences (via NUCATS)

Title: Mathematical Modeling to Anticipate and Avert a Second Wave of COVID-19 in Illinois

ID#: UL1TR001422 (NUCATS COVID-19 Rapid Response Grant)

Co-Principal Investigator: Ifeoma Ozodiegwu

Direct costs per year: \$21,171.41

Total costs for project period: \$21,171.41

Project period: 2020

INVITED LECTURES

A. International/National

1. Using modeling to inform national strategic planning in Burkina Faso, Malaria Modeling Consortium annual meeting, November 2019
2. Nigeria state-level projections: malaria burden 2020-2025, presentation to the Nigerian Malaria Elimination Program, July 2020
3. Mathematical models of malaria transmission to inform national strategic planning in Nigeria, Malaria Modeling Consortium annual meeting, September 2020.
4. Application of mathematical models to inform national strategic planning in Nigeria, John Hopkins Future of Malaria Symposium, November 2020

Regional

1. Country-level Analysis of the Association between Maternal Obesity and Neonatal Mortality in 34 sub-Saharan African Countries, Aetion, November 2020
2. Adult Female overweight and obesity prevalence in seven Sub-Saharan African countries: a baseline sub-national assessment of indicator 14 of the global Non-communicable Disease Monitoring Framework. Institute for Disease Modeling, Bellevue WA. March 2019.

B. Local

C. Internal

1. The Prevalence and Context of Adult Female Overweight and Obesity in Sub-Saharan Africa. Department of Preventive Medicine, Northwestern University, Chicago IL. May 2019.
2. Spatial Distribution of Malaria Parasitemia and Interventions in Burkina Faso: What the Demographic and Health Survey Program can tell us. Institute for Global Health work-in-progress seminar, Northwestern University, Chicago IL. November 2019.
3. Urban-rural differentials in the determinants of malaria transmission in Nigeria, Northwestern Institute on Complex Systems, December 2020

PUBLICATIONS AND SCHOLARLY WORK

A. Peer-reviewed Original Investigations (*denotes shared first author; underline denotes mentee)

1. Liu Y, **Ozodiegwu ID**, Yu Y, Hess R, Bie R. 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*. 2017; 190-196.

2. Liu Y, **Ozodiegwu ID**, Nickel JC, Wang K, Iwasaki LR. Self-reported health and behavioral factors are associated with metabolic syndrome in Americans aged 40 and over. *Preventive Medicine Reports*. 2017; 7, 193-197.
3. Ariyo O, **Ozodiegwu ID**, Doctor HV. The Influence of the Social and Culture Environment on Maternal Mortality in Nigeria. Evidence from the 2013 Demographic and Health Survey. *PLoS ONE*, 2017; 12(12): e0190285
4. Quinn M, Caldara G, Collins K, Owens H, **Ozodiegwu ID**, Loudermilk E, Stinson J. D. Methods for Understanding Childhood Trauma: Modifying the Adverse Childhood Experiences International Questionnaire for Cultural Competency. *International Journal of Public Health*. 2018; 63(1), 149-151.
5. **Ozodiegwu ID**, Littleton MA, Nwabueze C, Famojuro O, Quinn M, Wallace R, Mamudu HM. A Qualitative Evidence Synthesis of Contextual Factors Contributing to Female Overweight and Obesity over the Life Course in Sub-Saharan Africa. *PLoS ONE*, 2019; 14(11): e0224612
6. **Ozodiegwu ID**, Mamudu HM, Wang L, Wallace R, Quinn M, Liu Y, Doctor HV. Country-Level Analysis of the Association between Maternal Obesity and Neonatal Mortality in 34 Sub-Saharan African Countries. *Annals of Global Health*. 2019; 85(1):139.
7. Wang N, **Ozodiegwu ID**, Gong S, Wang K, X Xie. Multivariate Analyses of Social-Behavioral Factors with Health Insurance Coverage among Asian Americans in California. *Quantitative Finance and Economics*. 2019; 3(3):473-48
8. Liu Y, **Ozodiegwu ID**, Wang K, Wang L, Ning Shunbin, Zheng Shimin, Lu Yongke. Prevalence of Metabolic Conditions Differentiated by BMI in U.S. Adults. *Journal of Integrative Cardiology Open Access*. 2015; doi: 10.31487/j.JICOA.2019.04.07.
9. **Ozodiegwu ID**, Doctor HV, Quinn M, Mercer LD, Omoike EO, Mamudu HM. Is the Positive Association of Middle Income and Rich Household Wealth on Adult Sub-Saharan African Women's Overweight Status Modified by the Level of Education Attainment? A Cross-sectional Study of 22 countries. *BMC Public Health*. 2020; 20, 996.
10. Ntakirutimana T, O'Connell B, Quinn M, Scheuerman P, Sunday F, **Ozodiegwu ID**, Mbarushimana V, Franck GSH, Rubuga Kitema Felix. Linkage between water, sanitation, hygiene, and child health in Bugesera District, Rwanda: a cross-sectional study. *Waterlines*. 2021; 40(1). doi: 10.3362/1756-3488.20-00008

Preprints

11. **Ozodiegwu ID**, Mercer L, Quinn M, Doctor H, Mamudu HM. 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*, 2020

B. Invited Reviews and Commentaries

12. **Ozodiegwu ID**, Ambrose M, Battle K, Bever C, Diallo O, Galatas B, Runge M, Gerardin J. Beyond national indicators: adapting the Demographic and Health Surveys' sampling strategies and questions to better inform subnational malaria intervention policy. *Malaria Journal*, *In Press*.

C. Books and Book Chapters

D. Peer-Reviewed Educational Material

E. Case Reports, Letters, Editorials

F. Practice Guidelines, Standards, and Consensus Statements

G. Public Policy and Legislative Testimony

H. Patents

I. Database Deposition

J. Software

Ozodiegwu ID, Ambrose M, Galatas B, Runge M, Nandi A, Okuneye K, Dhanoa NP, Ehler T, Maikore I, Uhomoihi P, Bever C, Noor A, Gerardin J. Malaria intervention scenarios and projections for the 2021 - 2025 Nigerian National Malaria Strategic Plan: An R Shiny Application. https://ifeomaozo.shinyapps.io/hbhi-nigeria/_w_a732e05a/

K. Abstracts

Guidance: Put an asterisk beside the presenting author. Make note of any abstracts that received honors or awards.

a. Oral Abstract Presentations

1. Ambrose M*, **Ozodiegwu ID**, Nandi A, Okuneye K, Rodriguez S, Zimmermann M, Galatas B, Noor A, Bever C, Gerardin J, Using mechanistic models to support decision-making in countries with high malaria burden. American Society of Tropical Medicine and Hygiene 69th Annual Meeting. November 2020

b. Poster Presentations (*denotes presenting author; underline denotes mentee) *last year only*

1. **Ozodiegwu ID**, Cote M, Ruterbusch J, Owusu D, Quinn M, Ategbale M*. Trends in endometrial cancer incidence among adolescents and young women. American Public Health Association Annual Meeting, 2016. Denver CO.
2. Taylor T, Obenauer J, Leinaar E, **Ozodiegwu ID**, Quinn M. Interrelationships of adverse childhood experiences, stroke and depression among BRFSS Respondents. American Psychiatric Association Annual Meeting, 2018. New York NY.
3. **Ozodiegwu ID***, Wang L, Wallace R, Mamudu HM, Quinn M, Liu Y, Doctor HV. Country-level analysis of the association between maternal obesity and neonatal mortality in sub-Saharan Africa: a cross-sectional study of the Demographic and Health Surveys. Society for Epidemiological Research Annual Meeting, 2018. Baltimore MD.
4. Doctor HV*, Wang L, Wallace R, Mamudu HM, **Ozodiegwu ID**. Multiple imputation for missing data in the association between maternal obesity and neonatal mortality: a cross-sectional analysis of demographic and health surveys from 34 countries. British Society for Population Studies, 2018. Winchester UK.
5. **Ozodiegwu ID***, Doctor HV, Quinn M, Mamudu HM. Socioeconomic status and overweight in low-income countries: a case study of the modifying role of education on the association between household wealth and overweight in Mozambique. American Public Health Association Annual Meeting, 2018. San Diego CA.
 - Outstanding Student Conference Abstract, Delta Omega Honorary Society in Public Health, ETSU
6. Yang J*, Guy H, Owusu D, **Ozodiegwu ID**. Tobacco industry strategies targeting youth and young adults in sub-Saharan Africa since the development of the WHO FCTC in 2003. American Public Health Association Annual Meeting, 2018. San Diego CA.
7. **Ozodiegwu ID***, Quinn M, Mamudu HM, Doctor HV. Socioeconomic factors associated with the double burden of malnutrition among women in Mozambique: a cross sectional analysis of Demographic and Health Surveys from 1997 to 2011. International Symposium on Understanding the Double Burden of Malnutrition for Effective Interventions, 2018. Vienna Austria.
8. **Ozodiegwu ID***, Littleton MA, Nwabueze C, Famojuro O, Quinn M, Mamudu HM. A qualitative evidence synthesis of contextual factors contributing to female overweight and obesity over the life course in sub-Saharan Africa. Appalachian Student Research Forum, 2019. Johnson City, TN.
 - Best Research Presentation, Appalachian Student Research Forum, ETSU
9. Walker AT*, **Ozodiegwu ID**, Quinn M. Association between childhood sexual abuse and risky sexual behavior among adults in Munsieville Township, South Africa. Appalachian Student Research Forum, 2019. Johnson City, TN.
10. Nandi A*, **Ozodiegwu ID**, Ambrose M, Gerardin J. Modeling the impact of insecticide-treated nets in Burkina Faso. Global Health Day, 2019. Chicago IL.
11. **Ozodiegwu ID***, Gerardin J. Challenges in using household surveys to describe the spatial and temporal distribution of Burkina Faso's malaria burden. Global Health Day, 2019. Chicago IL.
12. Runge M, **Ozodiegwu ID**, Falkard Brie, Gerardin J. Estimating the potential effectiveness of wide-scale implementation of intermittent preventive therapy in infants in Southern Nigeria, American Society for Tropical Medicine and Hygiene annual meeting, 2020, remote presentation.
13. Chilochibi Chiziba*, **Ozodiegwu ID**, Gerardin J. Spatial Heterogeneities in Malaria Transmission Intensity, Insecticide Treated Net Use and Access in Nigeria and Associated Factors, American Society for Tropical Medicine and Hygiene annual meeting, 2020, remote presentation.

- Nandi A, Ambrose M, **Ozodiegwu ID**, Bever C, Gerardin J. Mitigating the impact of COVID-19 on malaria burden in Burkina Faso with chemoprevention strategies: a modeling study, American Society for Tropical Medicine and Hygiene annual meeting, 2020, remote presentation.

MEDIA COVERAGE AND APPEARANCES

Guidance: Include news coverage of your work, your appearances in the media (e.g., print, TV, or radio interviews), websites you maintain related to your academic career, and social media involvement for the medical/scientific community (e.g., maintaining a blog, running a Twitter feed, podcasting, etc.)

Press

- Roos Verstraeten (2020) "Time to act on malnutrition in all its forms in West Africa." *Research Program on Agriculture for Nutrition and Health*. 2 March.
- Dr. Charlotte Hughes Huntley (2019) "Episode #97 Student Research: Obesity in Sub-Saharan Africa." *drchhuntley.com* 25 June.
- Association of Schools & Programs of Public Health (2018) "Delta Omega Selects Students to Present at 2018 APHA Annual Meeting in San Diego, CA." *Association of Schools & Programs of Public Health News* 7 June.
- Kilian Thomas (2018) "2017 scholarship awarded to Ifeoma Ozodiegwu for graduate research" *easttennessean.com* 11 February.

Website

Group website: <https://www.numalariamodeling.org/>

Personal website: <https://ifeomaozo.github.io/>

TEACHING (optional section)

Note: This section is optional because it is duplicative of the Documentation of Teaching Form, which is required for most promotion candidates.

- 2020 Spring: GHD 590-0 - 25 Cases in Global Health Delivery (1 guest lecture)
- 2021 Winter: GHD 590-0 - 25 Cases in Global Health Delivery (1 guest lecture)

TRAINEES (optional section)

Note: This section is optional because it is duplicative of the Documentation of Teaching Form, which is required for most promotion candidates.

Name	Status of trainee while under candidate's supervision	Dates	Project(s)	Accomplishments of trainee after leaving candidate's supervision
Oluwaseun Famojuro	MPH Student	January 2018 – May 2019	A qualitative research synthesis of contextual factors contributing to female overweight and obesity over the life course in sub-Saharan Africa	Clinical Research Assistant Children's Hospital of Philadelphia PhD Student, University of Nebraska
Chilochibi Chiziba	Research Assistant	July 2020 – Present	Urban-rural determinants of malaria transmission	TBD